



**City of Sutherlin**  
**Planning Commission Meeting**  
**Tuesday, October 17, 2023**  
**7:00 p.m. – Sutherlin Civic Auditorium**  
**Agenda**

**Pledge of Allegiance**

**Introduction of Media**

**Approval of Minutes**

September 19, 2023 – Regular Meeting

**Approval of Findings of Facts**

1. **FOREST EDGE INVESTMENTS, LLC**, request for a Conditional Use Permit and Tree Falling Permit (greater than 5 acres) on a 14.40± acre portion of the 240.24 acre subject property located south of S. State Street. 119.71± acres of the subject property are inside the City of Sutherlin, with the remaining located outside city limits. The subject property is described as Tax Lot 800 in Section 21, T25S, R5W, W.M., Property I.D. No(s). R22984 & R22952 (CO portion). The portion inside the city limits is designated Forestry by Sutherlin Comprehensive Plan and zoned (FR-20) Forest Resource. **PLANNING DEPARTMENT FILE NO. 23-S011.**

**Quasi-Judicial Hearing(s)**

1. **SAM ROBINSON, ET/AL**, request for a Comprehensive Plan Map Amendment from Low Density Hillside to Medium Density and Zone Map Change from (RH) Residential Hillside to (R-2) Medium Density Residential on a 3.81 acre property located on the east side of Fir Grove Lane and inside the City of Sutherlin. The subject property is described as Tax Lot(s) 201, 300 and 400 in Section 19C, T25S, R5W, W.M., and Property I.D. Nos. R46993, R47000 and R47007. **PLANNING DEPARTMENT FILE NO. 23-S010.**
2. **GOODFELLAS OF SUTHERLIN**, request for a Subdivision to be developed in three phases that total 91 lots on a 22.00± acre portion of the 193.11 acre subject property. The subject property is located north of Scardi Blvd in the City of Sutherlin. The subject property is described as Tax Lot 1500 in Section 7, and Tax Lot(s) 100 and 203 in Section 18, all in T25S, R5W, W.M.; Property ID Nos. R20392; R21680 and R138405. It is designated Low Density and Low Density Hillside by the Sutherlin Comprehensive Plan and zoned (R-1) Low Density Residential and (RH) Residential Hillside. **PLANNING DEPARTMENT FILE NO. 23-S009.**

**Monthly Activity Report**

**Public Comment**

**Commission Comments**

**Adjournment**

**CITY OF SUTHERLIN  
PLANNING COMMISSION MEETING  
CIVIC AUDITORIUM – 7:00 PM  
TUESDAY, SEPTEMBER 19, 2023**

**COMMISSION MEMBERS PRESENT:** Michael Hogsett, John Banducci, Tom Schaub, Tom Maloney and Norman Davidson

**COMMISSION MEMBERS EXCUSED:** Alan Woods

**COMMISSION MEMBERS ABSENT:** Adam Sarnoski

**CITY STAFF:** Jamie Fugate, City Planner, Brandi Medeiros, Community Development Assistant and Kristi Gilbert, Community Development Director

Meeting called to order at 7:00 pm by Chair Davidson

**MEDIA PRESENT:** None

**WELCOME NEW PLANNING COMMISSION MEMBER:** Tom Schaub, Commissioner Schaub was introduced by Jamie Fugate, City Planner and then gave a brief background.

**AUDIENCE:** Keith McCracken, Lois Bunch, Royce Bunch, Jan Turkey, Bev Hathaway, Trish Hall, Aaron Bowman, Ken Grant, Carol Harding, Richard Hathaway, Ken and Shirley Smedley, Kristen Gordan, Veronica Eytalis, Roberta Town, Douglas Town, Anita Covington, Bruce Belfils, Ken Knowles, Valeria Knowles, Elaine Tlague, Arthur Covington, Thom Hoch, Jack Vance, Bob Grant, G.W. Booth Jr, Melinda Stanfield, Dick Rauscher, Dianne Good, Mary Dennis, Dian Cox, Jerry Tilley, Marcie Tilley, Kristine Godbeg, Bert and Tricia Nuckals, Brent and Anita Hunsaker, Paul Nelson, Jeannine Bartholomew, Russ Bartholomew, Mike Frost, Chris Owens, Jackie Deal and Steve Jones.

**FLAG SALUTE**

**APPROVAL OF MINUTES**

A motion made by Commissioner Hogsett to approve the minutes of the August 15, 2023 Planning Commission meeting; second made by Commissioner Banducci.

In favor: Commissioners Banducci, Schaub, Hogsett, Maloney and Chair Davidson

Opposed: None

Excused: None

Motion carried unanimously

**QUASI-JUDICIAL PUBLIC HEARING(S)**

1. **FOREST EDGE INVESTMENTS, LLC**, request for a Conditional Use Permit and Tree Falling Permit (greater than 5 acres) on a 14.40± acre portion of the 240.24 acre subject property located south of S. State Street. 119.71± acres of the subject property are inside the City of Sutherlin, with the remaining located outside city limits. The subject property is

described as Tax Lot 800 in Section 21, T25S, R5W, W.M., Property I.D. No(s). R22984 & R22952 (CO portion). The portion inside the city limits is designated Forestry by Sutherlin Comprehensive Plan and zoned (FR-20) Forest Resource. **PLANNING DEPARTMENT FILE NO. 23-S011.**

Chair Davidson opened the hearing, with reading of the disclosure (legal) statement; app persons testifying shall be deemed parties to appeal the application and must provide full name and mailing address if they wish to be notified of the decision, continuances, appeals, or procedural actions required by the Code. The Sutherlin Development Code and Sutherlin Municipal Code specify applicable criteria to be relied upon in making a decision.

Chair Davidson asked the Commission if there were any conflicts of interest or personal bias; Chair Davidson asked the audience if there were any challenges of impartiality of any person(s) on the Commission. Hearing none, Chair Davidson asked for the Staff Report.

**Jamie Fugate, City Planner**, identified Brandan McGarr, Battalion Chief, Sutherlin Fire Department and Aaron Swan, Sutherlin Public Works Director as having party status. Then proceeded to enter Staff Exhibits 1-9 listed within the staff report, including Staff Exhibit 10, an amended comment from Aaron Swan, Public Works Director. Mrs. Fugate then proceeded to summarize the Staff Report, with the recommendation of action alternative number 1.

**APPLICANT'S TESTIMONY – Keith McCracken, representative for the property owner/applicant** was asked to attend and is available to answer any questions that there might be.

**TESTIMONY IN FAVOR** - No testimony in favor.

**TESTIMONY IN OPPOSITION –**

**Doug Town, Timber Valley RV Park, Sutherlin**, stated he has three (3) main concerns – border is 10 – 30 yards, currently trees provide a filter and protect them from wind, without trees they will breathe in dust and poison oak. Mr. Town asked for a 30 yard buffer to remain to filter air. Third when the piles are burned this will cause smoke and people will breathe more poison oak, people in the park are older and susceptible.

**Richard Hathaway, 800 S. State Street (SKP Park), Sutherlin**, has questions regarding the existing 35' – 50' buffer, noted in staff exhibit #3, page 5 is vague. Mr. Hathaway stated it appears the harvest area is next to the property line. The area is identified as relatively flat, which is not the case. The runoff and drainage is also a concern, there are three (3) streams on the property that run into SKP Park's drainage.

**Jacqueline Deal, 800 S. State Street (SKP Park), Sutherlin**, not opposed to logging of forestry. Years ago, they logged the property above them (SKP Park), runoff made a big ditch and that was not nearly as close. Erosion is also a big concern.

**Ken Grant, 800 S. State Street (SKP Park), Sutherlin**, told the commission they should come look at the trees from the park, they need to leave a 30 yard buffer. This would also make the city look a lot better.

**Doug Town, Timber Valley RV Park, Sutherlin**, when logged, the wind and dirt will be stronger and greater.

**Steve Jones, 800 S. State Street (SKP Park), Sutherlin**, stated he has concerns with wind. Their trees are protecting the SKP trees, which will cause ours to come down, must leave a buffer.

**Bruce Belfils, 800 S. State Street (SKP Park), Sutherlin**, erosion and debris is a concern, they should leave a buffer. Stated the hillside was forested in 1995 and asked the question, "Why did they not take it to the property line then?"

**Dick Rauscher, 800 S. State Street (SKP Park), Sutherlin**, conversations are occurring in the park with the primary concern being water runoff, especially with heavy rains.

**Trish Hull, 800 S. State Street (SKP Park), Sutherlin**, come and look at the beautiful park and S. State Street. Lower hill top has lots nested next to the trees, flooding, wind and mud will be coming down onto the RV's and they will get all the runoff.

**Brent Hunsaker, Ridgeview Street, Sutherlin**, stated he used to live in the park. Floods existed without logging, can't imagine what it will look like after the harvest. The existing sewer system and dump station can have issues if the buffer is not left. The esthetics/view will be ruined.

**Beverly Hathaway, 800 S. State Street (SKP Park), Sutherlin**, stated she has health concerns and if they have to leave the park who will help them financially during this time and with medical bills that this will cause. This beautiful place that this is, but they will take the last remaining beautiful spot of hillside and it will be ugly for Sutherlin.

**RECEIVE NEUTRAL** - No neutral testimony.

## **APPLICANT'S REBUTTAL**

**Keith McCracken, representative for the property owner/applicant**, came back to the podium and stated there is an existing buffer of trees on SKP Park's property, it is the property owner's intent to harvest up to their existing property line. Mr. McCracken also stated that the trees being harvested are approximately 100 years old and are becoming a safety concern and losing value, if they don't remove the trees they may fall and cause more damage. As far as erosion and slope concerns, it is the full intent to comply with forest management and forest practices act, along with the city permitting to help eliminate concerns.

Chair Davidson allowed additional testimony from those in opposition.

## **TESTIMONY IN OPPOSITION –**

**Carol Harding, 800 S. State Street (SKP Park), Sutherlin**, RV's with propane tanks, Mrs. Harding stated she has three propane tanks and one spark will cause fire, make them build a wall.

**Thom Hoch, 800 S. State Street (SKP Park), Sutherlin**, stated a couple hundred feet that property line is a small buffer, he met with John (property owner/applicant) and asked him to leave a buffer. He stated John was undecided what he would do.



**Kent Grant, 800 S. State Street (SKP Park), Sutherlin,** has a drainage ditch behind his lot and asks for a 30 yard buffer.

**Bob Grant, 800 S. State Street (SKP Park), Sutherlin,** consider a select cut vs clear cut.

**Beverly Hathaway, 800 S. State Street (SKP Park), Sutherlin,** 0– 5% slope, has gone down an 8% grade and was scared, they need to put in a dam to stop everything.

#### **APPLICANT'S REBUTTAL -**

**Keith McCracken, representative for the property owner/applicant,** came back to the podium to clarify slopes in terms of harvesting operations, a 0-30% is gentle, 30-60% is intermediate and above 60% slopes cause concerns with drainage. In forest terms, 0-15% is considered flat.

#### **TESTIMONY IN OPPOSITION –**

**Steve Jones, 800 S. State Street (SKP Park), Sutherlin,** worried about the “slopes sagging” and tending to slide. What if the ground gets saturated and slides, then what?

**Dick Hathaway, 800 S. State Street (SKP Park), Sutherlin,** come walk the trail and you will get to see it visually, you will see that it will slide into the park.

**Ken Knowles, 800 S. State Street (SKP Park), Sutherlin,** has medical problems (heart problems), who's responsible when it causes him more problems?

#### **RECEIVE NEUTRAL - No neutral testimony**

Closed public portion of the Hearing

**DISCUSSION** – Commissioner Schaub stressed the importance of safety and his concerns he has and doesn't want a “domino effect”. If there is a risk, can an analysis be done. Commissioner Banducci asked staff for clarification of the geological impact report (Geotech Report). Commissioner Hogsett noted that logging has been done a lot of times, contractors (loggers) know what they should do. Commissioner Davidson noted that when trees are that old, its best to harvest them. The Planning Commission expressed the importance of a Geotech Report being completed with regards to the drainage concerns and requirements outlined in the Sutherlin Development Code. No other objections to the proposed request were stated.

A motion was made by Commissioner Hogsett to approve the request for a Conditional Use Permit and Tree Falling Permit (greater than 5 acres) on a 14.40± acre portion of the subject property. **PLANNING DEPARTMENT FILE NO. 23-S011.** Motion seconded by Commissioner Maloney.

In favor: Commissioners Hogsett, Maloney, Banducci, and Chair Davidson

Opposed: Schaub

Excused: None

Motion carried with a 4-1 vote

#### **MONTHLY ACTIVITY REPORT – no questions asked.**

**PUBLIC COMMENT –**

**Dick Rausher, 800 S. State Street (SKP Park), Sutherlin,** stated that an expert needs to go up and assess the situation for logging to reduce anxiety.

**COMMISSION COMMENTS** – Commissioner Banducci stated that we need to remember fire safety, there is a need to get ahead of the potential fire danger and it's not a bad idea to make it safer.

**ADJOURNMENT** - With no further business the meeting was adjourned at 8:02 p.m.

Respectfully submitted,

\_\_\_\_\_  
Jamie Fugate, City Planner

**APPROVED BY COMMISSION ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2023.**

\_\_\_\_\_  
Norman Davidson, Commission Chair

## BEFORE THE PLANNING COMMISSION OF THE CITY OF SUTHERLIN

IN THE MATTER of a Conditional Use Permit  
and Tree Falling Permit (greater than 5 acres)  
on a 14.40± acre portion of the 240.24 acre  
subject property located south of S. State  
Street. The property is identified as Tax Lot  
(pt) 800 in Section 21, in T25S, R5W, W.M.;  
Property I.D. No's. R22984 and R22952 (CO  
portion).

### FINDINGS OF FACT AND DECISION

Applicant: Forest Edge Investments, LLC  
Subject: Conditional Use Permit and Tree  
Falling (greater than 5 acres)  
File No.: 23-S011

### PROCEDURAL FINDINGS OF FACT

1. The Conditional Use Permit and Tree Falling Permit (greater than 5 acres) applications were deemed complete by the City on August 22, 2023.
2. Pursuant to Section 4.2.140.C of the Sutherlin Development Code (SDC), notice of the public hearing was given by publication in the *News Review* on September 5, 2023, which was a least 14 days prior to the date of the public hearing.
3. Notice of a Public Hearing on the Conditional Use Permit and Tree Falling Permit (greater than 5 acres) applications before the Planning Commission was given in accordance with Section 4.2.140.C as a Type III procedure. Notice was sent to affected property owners of record within 100 feet of the subject property, property owners affected by this decision, service providers, and governmental agencies on August 29, 2023. Two (2) written comments on the proposal were received.
4. The Planning Commission held a public hearing on this matter on September 19, 2023.
5. At the public hearing on September 19, 2023, there were no declarations of ex parte contact or other conflicts of interest made by the Planning Commission. No objections were raised and the Commission was qualified to hear the matter.
6. The Planning Commission declared the following as parties at the September 19, 2023 hearing:
  - a. Brandan McGarr, Battalion Chief, Sutherlin Fire Department
  - b. Aaron Swan, Sutherlin Public Works Director
  - c. Keith McCracken, representative on behalf of the property owner(s)
  - d. Doug Town, adjacent resident (SKP Park)
  - e. Richard Hathaway, adjacent resident (SKP Park)
  - f. Jacqueline Deal, adjacent resident (SKP Park)
  - g. Ken Grant, adjacent resident (SKP Park)
  - h. Steve Jones, adjacent resident (SKP Park)
  - i. Bruce Belfils, adjacent resident (SKP Park)
  - j. Dick Rauscher, adjacent resident (SKP Park)
  - k. Trish Hall, adjacent resident (SKP Park)
  - l. Brent Hunsaker, adjacent resident (SKP Park)
  - m. Beverly Hathaway, adjacent resident (SKP Park)
  - n. Carol Harding, adjacent resident (SKP Park)

- o. Thom Hoch, adjacent resident (SKP Park)
  - p. Bob Grant, adjacent resident (SKP Park)
  - q. Ken Knowles, adjacent resident (SKP Park)
7. Reference was made to the September 12, 2023 Staff Report and findings of fact addressing compliance with the applicable provisions of the Chapter 2, Section 2.6 (FR-20 zone), Chapter 4, Section 4.5 (Conditional Use Permit) of the SDC and Chapter 5.16 (Timber Harvesting) of the Sutherlin Municipal Code (SMC) at the September 19, 2023 hearing.
  8. Planning Staff presented the Staff Report dated September 19, 2023 and entered Staff Exhibits 1-9 into the record, including Staff Exhibit 10, an amended comment from the Sutherlin Public Works Director. The Staff Report was summarized, with staff giving the recommendation of action alternative number 1 at the September 19, 2023 hearing.
  9. The Planning Commission provided opportunity to receive clarifying oral testimony from the applicant. Keith McCracken, representative for the property owner/applicant, stated he is available to answer any questions.
  10. The Planning Commission provided opportunity to receive clarifying questions and oral testimony from persons in favor to the application. No persons were present.
  11. The Planning Commission provided opportunity to receive clarifying questions and oral testimony from persons in opposition to the application. Doug Town, Richard Hathaway, Jacqueline Deal, Ken Grant, Steve Jones, Bruce Belfils, Dick Rauscher, Trish Hall, Brent Hunsaker and Beverly Hathaway spoke in opposition.
  12. The Planning Commission provided opportunity to receive clarifying questions and oral testimony in rebuttal to the application. Keith McCracken, representative for the property owners/applicant responded to some of the concerns of the adjacent residents. Stating that there is a buffer of trees that are on the SKP Park property, that the property owner will be harvesting up to their property line. The trees within the proposed harvest area are between 80-100 years old and the trees are becoming a safety concern. The property owner/applicant intends to fully comply with forest management and harvesting practices, as well as the city permit (requirements).
  13. The Planning Commission provided an additional opportunity to receive clarifying questions and oral testimony from persons in opposition to the application. Carol Harding, Thom Hoch, Ken Grant and Beverly Hathaway spoke in opposition.
  14. The Planning Commission provided opportunity to receive clarifying response and oral rebuttal from the applicant. Keith McCracken, representative for the property owner/applicant clarified the slopes and what percentages pertain to harvesting and concerns with drainage.

15. The Planning Commission then provided an additional opportunity to receive clarifying questions and oral testimony from persons in opposition to the application. Steve Jones, Richard (Dick) Hathaway and Ken Knowles spoke in opposition.
16. The Planning Commission provided opportunity to receive neutral comments, questions and/or oral testimony from persons to the application. No persons were present.
17. The Planning Commission closed the public portion of the hearing and commenced discussion on the application.

### **FINDINGS OF FACT RELATED TO DECISION**

Commissioner Schaub stressed the importance of safety and his concerns he has and doesn't want a "domino effect". If there is a risk, can an analysis be done. Commissioner Banducci asked staff for clarification of the geological impact report (Geotech Report). Commissioner Hogsett noted that logging has been done a lot of times, contractors (loggers) know what they should do. Commissioner Davidson noted that when trees are that old, its best to harvest them. The Planning Commission expressed the importance of a Geotech Report being completed with regards to the drainage concerns and requirements outlined in the Sutherlin Development Code. No other objections to the proposed request were stated.

### **FINDINGS OF FACT**

Finding No. 1. The Planning Commission finds the subject property is designated Forestry by the Sutherlin Comprehensive Plan and zoned (FR-20) Forest Resource by the SDC.

Finding No. 2. The Planning Commission adopts by reference the findings of the Staff Report dated September 12, 2023.

Finding No. 3. The Planning Commission finds that the requested conditional use permit standards were processed as a Type III procedure, subject to the applicable provisions of the Sutherlin Comprehensive Plan, Chapter 2, Section 2.6 (FR-20 zone) and Chapter 4, Section 4.5 (Conditional Use Permit) of the SDC.

Finding No. 4. The Planning Commission finds, based upon the staff report, application materials and the oral testimony provided, that the proposed conditional use permit is designed to meet the requirements of Section 2.6 (FR-20 zone) and Section 2.7.210 (RH Zone and slopes greater than 12%, development standards) with regard to the requirement of a Geotech Report for any cut, fill, excavation, removal of trees or ground cover and/or grading.

Finding No. 5. The Planning Commission finds, based upon the staff report, application materials and the oral testimony provided, that the tree falling permit (greater than 5 acres) standards were processed subject to the applicable criteria and requirements outlined within Chapter 5.16 (Timber Harvesting) of the SMC.

Finding No. 6. The Planning Commission finds, based upon the staff report, application materials and the oral testimony provided, that the proposed tree falling permit (greater than 5 acres) will substantially meet the standards Chapter 5.16 [Timber Harvesting], Sections 5.16.050 [Tree falling permits for more than five acres], 5.16.060 [Criteria for tree falling], 5.16.070 [Reforestation] of the SMC and that appropriate conditions of approval have been imposed to ensure continued compliance. As proposed, the subject property will be harvesting of timber on approximately 14.40± acres of the 240.24 acre subject property where 119.71± acres are located within the city limits of Sutherlin.

Finding No. 7. The Planning Commission finds, base upon the staff report, application materials and oral testimony provided, that the property owner/responsible party is trying to harvest the timber on 14.40± acres of the 240.24 acre subject property to clear cut 80-100 year old timber.

Finding No. 8. The Planning Commission finds, based upon the staff report, application materials and the oral testimony provided the proposed conditional use permit and tree falling permit (greater than 5 acres), the property owner/responsible party shall coordinate with Sutherlin Public Works regarding the proposed roadways being utilized for the hauling of logs out of the city limits.

Finding No. 9. The Planning Commission finds, based upon the staff report, application materials and the oral testimony provided that the proposed development will substantially meet the approval criteria outlined in Chapter 4, Section 4.5 (Conditional Use Permit) of the SDC.

Finding No. 10. The Planning Commission finds, based upon the staff report, application materials and the oral testimony provided that the proposed development will substantially meet the approval criteria outlined in Chapter 5.16 of the SMC (Timber Harvesting) proposal and that appropriate criteria and conditions of approval have been imposed to ensure continued compliance.

## CONCLUSION

1. A motion was made by Commissioner Hogsett and seconded by Commissioner Maloney to approve action alternative number 1 and **APPROVE** the requested Conditional Use Permit and Tree Falling Permit (greater than 5 acres) on a 14.40± acre portion of the 240.24 acre subject property located south of S. State Street. The motion passed on a 4-1 vote, with Commissioner Schaub opposing.
2. The Commission adopts the findings of the staff report in support of their decision.



NOW, THEREFORE, based upon the foregoing findings of fact and the oral testimony provided, the Sutherlin Planning Commission **APPROVES** the requested Conditional Use Permit and Tree Falling Permit (greater than 5 acres) on a 14.40± acre portion of the 240.24 acre subject property, subject to the following conditions of approval:

1. The property owner/responsible party shall provide video documentation of the proposed access (haul route) prior to the start of the proposed timber harvesting to the Sutherlin Public Works Director. The property owner/responsible party shall notify the Sutherlin Public Works Director when the proposed timber harvesting is complete. Once the timber harvest is complete the Sutherlin Public Works Director will re-evaluate by additional video footage along with visual inspection the access (easement) and affected city streets (S. State Street).
  - a. The property owner/responsible party is responsible for any damages that may occur to the existing gravel road (easement road) and paved roadway (S. State Street), and must be repaired beginning condition and/or better condition.
2. The property owner/responsible party shall conform to Chapter 8.16.170 [Noise Disturbance] of the Sutherlin Municipal Code (SMC).
3. Property owner/responsible party shall submit a Geotechnical Impact Statement addressing the portions of the proposed timber harvest portion that have slopes greater than 12% prior to the start of the proposed timber harvesting, meeting the requirements of Section 2.7.210 of the Sutherlin Development Code (SDC).
4. Property owner/responsible party must submit an approved permit from the Oregon Department of Forestry (ODF).
5. The property owner/responsible party shall comply with the Forest Practices Act.
6. The property owner/responsible party is responsible (and planning) for reforestation of the subject property meeting the requirements within Section 5.16.070.A of the SMC. A minimum of two hundred fifty (250) trees planted per acre within one year. After twelve (12) month period the property owner/responsible party shall demonstrate (and submit documentation) a minimum of seventy-five (75) percent survival rate.
7. All debris and slash realized from the tree falling shall be either removed or piled and burned within sixty (60) days following the removal of the harvested trees unless a time extension is granted by the planning commission due to unusual or extenuating circumstances; however, such time extension shall not exceed a maximum of twelve (12) months from the date of the completed harvest. Property owner/responsible party shall submit documentation compliance with this requirement.

8. Property owner/responsible party must submit a 24/7 Emergency Contact information document for project management on site provided by the Sutherlin Fire Department.
9. Property owner/responsible party is required to follow all rules from DFPA (Douglas Forest Protective Association) during Fire Season.
10. Obtain a City of Sutherlin Overweight Truck Hauling Permit that is to be approved pursuant to Section 10.32.030 of the Sutherlin Municipal Code (SMC).
11. Property owner/responsible party is responsible to be aware of posted load requirements on all bridges located inside city limits.
12. Obtain the necessary Planning Clearance Worksheet approval from the Community Development Department, once the above conditions have been met authorizing the proposed Timber Harvesting.

**ADVISORY STATEMENTS:**

13. The property owner/responsible party shall not negatively impact adjacent properties with storm drainage, soil erosion and/or water runoffs.
14. The property owner/responsible party shall comply with all applicable local, county, state and federal regulations as applicable to the Tree Falling.

DATED THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 2023.

\_\_\_\_\_  
NORMAN DAVIDSON, CHAIR



# City of Sutherlin

Community Development  
126 E. Central Avenue  
Sutherlin, OR 97479  
(541) 459-2856  
Fax (541) 459-9363  
[www.ci.sutherlin.or.us](http://www.ci.sutherlin.or.us)

## NOTICE OF PUBLIC HEARING PLAN AMENDMENT & ZONE CHANGE – 842; 880; 940 FIR GROVE LANE

Date of Notice: September 25, 2023

**NOTICE IS HEREBY GIVEN** that the Sutherlin Planning Commission will conduct a public hearing on **Tuesday, October 17, 2023 at 7:00 p.m.** in the Sutherlin Civic Auditorium, 175 E. Everett Street. The purpose of the public hearing is to take public testimony, either written or oral, while considering the following land use application:

**SAM ROBINSON, ET/AL**, request for a Comprehensive Plan Map Amendment from Low Density Hillside to Medium Density and Zone Map Change from (RH) Residential Hillside to (R-2) Medium Density Residential on a 3.81 acre property located on the east side of Fir Grove Lane and inside the City of Sutherlin. The subject property is described as Tax Lot(s) 201, 300 and 400 in Section 19C, T25S, R5W, W.M., and Property I.D. Nos. R46993, R47000 and R47007. **PLANNING DEPARTMENT FILE NO. 23-S010.**

The application is being processed as a Type IV procedure, governed by the applicable Statewide Planning Goals and Oregon Administrative Rules, the Sutherlin Comprehensive Plan and Sections 4.8 and 4.11 of the Sutherlin Development Code. Pursuant to Sections 4.2.140.C and 4.2.150.D of the Sutherlin Development Code, notice of this land use application has been mailed to affected agencies and all property owners of record within 100 feet of the subject property described above. Owners of property within 100 feet, or any other person who can demonstrate that they are affected by the proposed land use action, may request party status in this matter by filing a written statement with the Sutherlin Community Development Department, or by appearing at the hearing and requesting party status. Written statements must contain the name, address and telephone number of the person filing the statement; how the person qualifies as a party; comments the party wishes to make concerning the application, and whether the person desires to appear and be heard at the hearing. Written statements must be filed with the Community Development Department, 126 E. Central Avenue, Sutherlin, Oregon, 97479, no later than 5:00 p.m. on October 9, 2023, to be included with the mailing of the staff report.

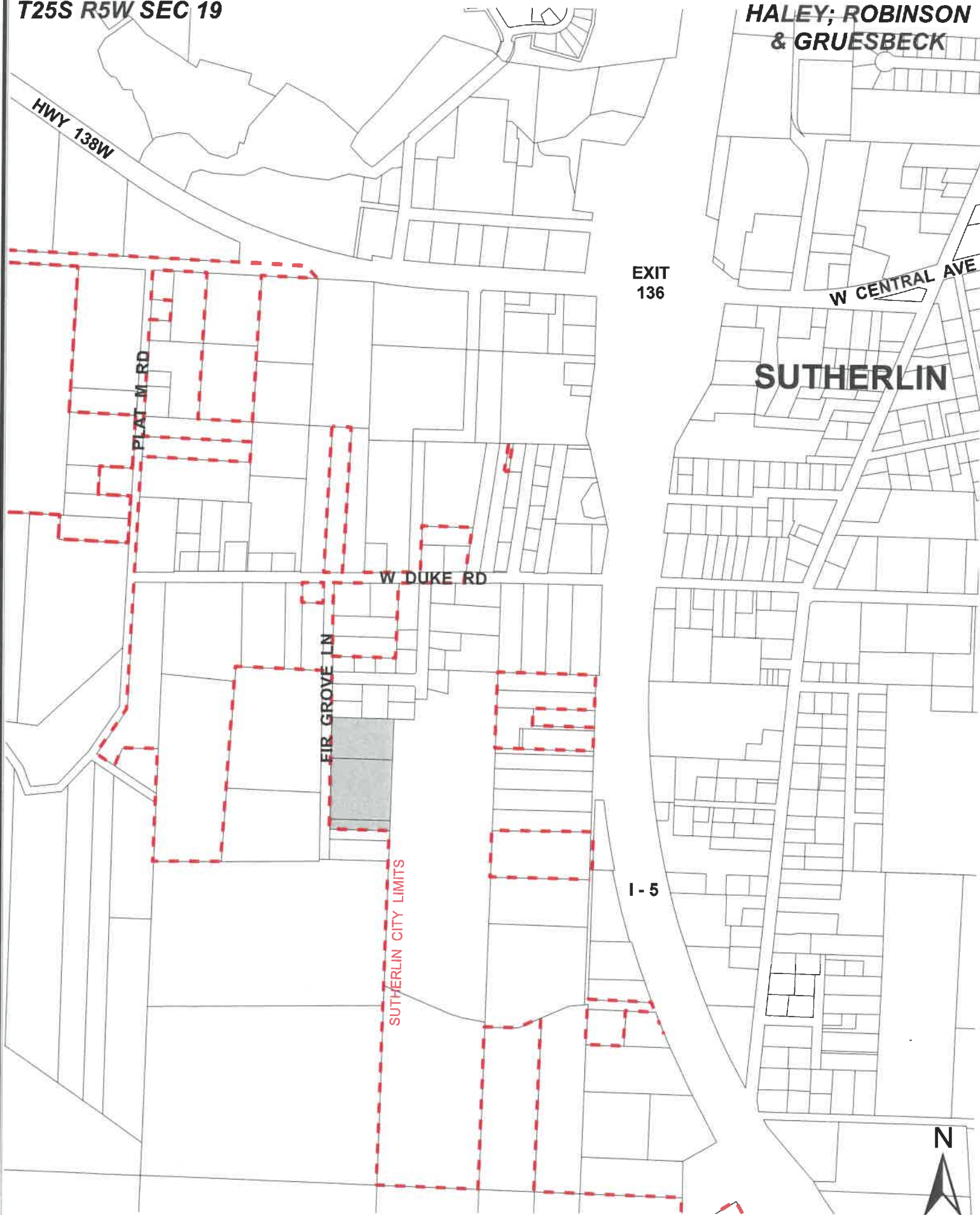
The public hearing will include presentations of the City staff and the applicant. Parties in support, opposition or with neutral comments will then be heard, as well as rebuttal by the applicant. Failure of an issue to be raised at the hearing, whether in writing or by oral testimony, or failure to provide statements or evidence in sufficient specificity to afford the Planning Commission and parties an opportunity to respond to the issue, will preclude an appeal on that issue and may thereafter bar any legal standing in the event of an appeal.

A copy of the application and supporting documents and evidence, and the applicable criteria are available for inspection at no cost and copies can be provided at reasonable cost. The staff report will be available for inspection at no cost at least seven days prior to the hearing and copies can be provided at reasonable cost.

For more information on this application, please contact Jamie Fugate in the Community Development Department at 541-459-2856 during normal business hours or email at [j.fugate@ci.sutherlin.or.us](mailto:j.fugate@ci.sutherlin.or.us)

VICINITY MAP  
T25S R5W SEC 19

23-S010  
HALEY; ROBINSON  
& GRUESBECK



CITY OF SUTHERLIN



**ASSESSOR MAP  
T25S R5W SEC 19**

**23-S010  
ROBINSON; HALEY  
& GRUESBECK**

**JASWANT AVE**

PAUL &  
PARDUE

SRIKUREJA LIVING  
TRUST DATED  
5/27/2015

SRIKUREJA  
LIVING TRUST

SRIKUREJA LIVING  
TRUST DATED  
5/27/2015

SRIKUREJA LIVING  
TRUST DATED  
5/27/2015

RESNER

**FIR GROVE LN**

ROBINSON LIVING TRUST  
DATED 5/8/2017

**HALEY;  
ROBINSON &  
GRUESBECK**

BAY & BAY

TIMS

TIMS

**SUTHERLIN CITY LIMITS**



**APPLICANTS EXHIBIT MAP**  
**T25S R5W SEC 19**

**23-S010**  
**ROBINSON; HALEY**  
**& GRUESBECK**

JASWANT AVE

FIR GROVE LN

AREA OF PROPOSED  
PLAN AMENDMENT  
& ZONE CHANGE

SUTHERLIN CITY LIMITS



## STAFF EXHIBIT NO. 2

### Jamie Fugate

---

**From:** DLCD Plan Amendments <[plan.amendments@dlcd.oregon.gov](mailto:plan.amendments@dlcd.oregon.gov)>  
**Sent:** Monday, September 11, 2023 11:12 AM  
**To:** Jamie Fugate  
**Subject:** Confirmation of PAPA Online submittal to DLCD

### [EXTERNAL SOURCE - USE CAUTION]

#### Sutherlin

Your notice of a proposed change to a comprehensive plan or land use regulation has been received by the Oregon Department of Land Conservation and Development.

Local File #: 23-S010

DLCD File #: [001-23](#)

Proposal Received: 9/11/2023

First Evidentiary Hearing: 10/17/2023

Final Hearing Date: 1/8/2024

Submitted by: jchartier

If you have any questions about this notice, please reply or send an email to [plan.amendments@dlcd.oregon.gov](mailto:plan.amendments@dlcd.oregon.gov).

**Affidavit of Publication**

***The News-Review***

Of Douglas County

Roseburg, Oregon

ISSUED DAILY EXCEPT MONDAY & SATURDAY

STATE OF OREGON

COUNTY OF DOUGLAS } ss.

I, LAURA STUDEBAKER, being first duly sworn, depose and say that I am the CLASSIFIEDS MANAGER, of The News-Review, a newspaper of general circulation, as defined by ORS 193.010 and 193.020; printed and published at Roseburg in the aforesaid county and state; that the \_\_\_\_\_

#92476 Legal Notice of #9031 NO. 23-S010\_PC

a printed copy of which is hereto annexed, was published in the entire issue of said newspaper for 1 successive and consecutive days in the following issue:

09/29/2023

The fee actually charged by such newspaper for such publication is \$232.56

*LS*

Subscribed and sworn to before me this 28th day of September, 2023.

*D. Cook*

Notary Public of Oregon



NOTICE IS HEREBY GIVEN that the Sutherlin Planning Commission will conduct a public hearing on Tuesday, October 17, 2023 at 7:00 p.m. in the Sutherlin Civic

Auditorium, 175 E. Everett Street. The purpose of the public hearing is to take public testimony, either written or oral, while considering the following land use application:

SAM ROBINSON, ET/AL, request for a Comprehensive Plan Map Amendment from Low Density Hillside to Medium Density and Zone Map Change from (RH) Residential Hillside to (R-2) Medium Density Residential on a 3.81 acre property located on the east side of Fir Grove Lane and inside the City of Sutherlin. The subject property is described as Tax Lot(s) 201, 300 and 400 in Section 19C, T25S, R5W, W.M., and Property I.D. Nos. R46993, R47000 and R47007. PLANNING DEPARTMENT FILE NO. 23-S010.

The application is being processed as a Type IV procedure, governed by the applicable Statewide Planning Goals and Oregon Administrative Rules, the Sutherlin Comprehensive Plan and Sections 4.8 and 4.11 of the Sutherlin Development Code. Pursuant to Sections 4.2.140.C and 4.2.150.D of the Sutherlin Development Code, notice of this land use application has been mailed to affected agencies and all property owners of record within 100 feet of the subject property described above. Owners of property within 100 feet, or any other person who can demonstrate that they are affected by the proposed land use action, may request party status in this matter by filing a written statement with the Sutherlin Community Development Department, or by appearing at the hearing and requesting party status. Written statements must contain the name, address and telephone number of the person filing the statement; how the person qualifies as a party; comments the party wishes to make concerning the application, and whether the person desires to appear and be heard at the hearing. Written statements must be filed with the Community Development Department, 126 E. Central Avenue, Sutherlin, Oregon, 97479, no later than 5:00 p.m. on October 9, 2023, to be included with the mailing of the staff report.

The public hearing will include presentations of the City staff and the applicant. Parties in support, opposition or with neutral comments will then be heard, as well as rebuttal by the applicant. Failure of an issue to be raised at the hearing, whether in writing or by oral testimony, or failure to provide statements or evidence in sufficient specificity to afford the Planning Commission and

parties an opportunity to respond to the issue, will preclude an appeal on that issue and may thereafter bar any legal standing in the event of an appeal.

A copy of the application and supporting documents and evidence, and the applicable criteria are available for inspection at no cost and copies can be provided at reasonable cost. The staff report will be available for inspection at no cost at least seven days prior to the hearing and copies can be provided at reasonable cost.

For more information on this application, please contact Jamie Fugate in the Community Development Department at 541-459-2856 during normal business hours or email at j.fugate@ci.sutherlin.or.us

#9031 Pub. Dates: September 29, 2023



# City of Sutherlin

**Community Development**  
126 E. Central Avenue  
Sutherlin, OR 97479  
(541) 459-2856  
Fax (541) 459-9363  
[www.ci.sutherlin.or.us](http://www.ci.sutherlin.or.us)

October 10, 2023

## STAFF REPORT

TO: Sutherlin Planning Commission

FROM: Jamie Fugate, City Planner

RE: **SAM ROBINSON, ET/AL**, request for a Comprehensive Plan Map Amendment from Low Density Hillside to Medium Density and Zone Map Change from (RH) Residential Hillside to (R-2) Medium Density Residential on a 3.81 acre property located on the east side of Fir Grove Lane and inside the City of Sutherlin. The subject property is described as Tax Lot(s) 201, 300 and 400 in Section 19C, T25S, R5W, W.M., and Property I.D. Nos. R46993, R47000 and R47007. **PLANNING DEPARTMENT FILE NO. 23-S010.**

## STAFF EXHIBITS

1. Notice of Public Hearing
2. DLCD Notice of Proposed Amendment with email of submittal
3. Copy of legal notice posted in the *News Review*
4. Property Owners within 100 Feet
5. Staff Report with Responses attached
6. Comprehensive Plan & Zone Change applications and attachments
7. Vicinity Map
8. Assessor Map
9. Comprehensive Plan Map
10. Zoning Map
11. Aerial Map

## INTRODUCTION

The applicant, Sam Robinson, et/al, is requesting a Comprehensive Plan Map Amendment from Low Density Hillside to Medium Density and Zone Map Change from (RH) Residential Hillside to (R-2) Medium Density Residential on a 3.81 acre property.

This staff report concerns a proposed Plan Amendment and Zone Change. Current law requires Planning Commission and City Council approval of any amendment to the Sutherlin Comprehensive Plan and Zoning Maps. The property owners request a Plan Amendment and Zone Change from a Low Density Hillside (RLH) plan designation to a Medium Density (RM) plan designation together with a change of current zoning from Residential Hillside (RH) to (R-2) Medium Density Residential on a total of 3.81 acres to allow for future development of multifamily (3 or 4 dwellings) and single family dwelling units. The subject property proposed for amendment is located directly off Fir Grove Lane, south of its intersection with Jaswant Avenue. The subject property is described as Tax Lot(s) 201, 300 and 400 all in Section 19C, T25S, R05W, W.M.; Property ID No(s). R46993, R47000 and R47007. The subject property is owned by the applicant, along with Adam and Nanette Haley and Kenneth and Yvonne Gruesbeck, who are making this request.

During the public hearing on October 17, 2023, the Planning Commission will accept public testimony and make a recommendation to City Council on the application after the public hearing. As part of the hearing, the Planning Commission will review the applicant's request for compliance with the Statewide Planning Goals and the general goals and policies of the Sutherlin Comprehensive Plan and the applicable criteria of the Sutherlin Development Code (SDC) and adopt Findings of Fact.

After the public hearing, the Planning Commission must make a written recommendation and forward it to the City Council in the form of a Findings of Fact and Decision document, which justifies its decision and recommendation. The Council will consider the Commission's recommendation, hold a public hearing, and make a decision to grant, amend or deny the request.

### **PROCEDURAL FINDINGS OF FACT**

1. The Comprehensive Plan Map Amendment and Zone Map Change applications were filed with the City on August 17, 2023, and were deemed complete on August 21, 2023.
2. DLCD Notice of Proposed Amendment was electronically submitted to the Department of Land Conservation and Development on September 11, 2023, which was at least 35 days prior to the first evidentiary public hearing to be held on October 17, 2023.
3. Pursuant to Sections 4.2.140.C and 4.2.150.D, notice of the public hearing was given by publication in the News Review on September 29, 2023, which was at least fourteen (14) days prior to the date of the public hearing.
4. Notice of a Public Hearing on the applications for the Comprehensive Plan Map Amendment and Zone Map Change before the Planning Commission was given in accordance with Sections 4.2.140.C and 4.2.150.D. Notice was sent to affected property owners of record within 100 feet of the subject property, service providers, and governmental agencies on September 25, 2023.
  - a. Kathy Wall, Senior Planner with Douglas County Planning Department, replied to the notice of public hearing that the DC Planning Department has no concerns or comments related to this request.
  - b. Mathew Hogan, Fair Housing Council of Oregon submitted an email stating that they would like to obtain the staff report and all corresponding attachments for 23-S010 when available.

We will be reviewing the staff report predominantly for Statewide Planning Goal 10 compliance.

- c. At the time of the mailing of this staff report, no other written comments or remonstrances have been received.
5. Present Situation: Tax Lot 201 is developed with a manufactured home and accessory buildings, tax lot 300 has a single family dwelling under construction and tax lot 400 has an existing accessory building.
6. Plan Designation: Low Density Hillside. The applicant is requesting a plan map amendment to the Medium Density plan designation.
7. Zone Designation: Residential Hillside (RH). The applicant is requesting a zone map amendment to the Medium Density Residential (R-2) zoning designation.
8. Public Water: Currently, tax lot 201 is served by an existing well. Plans have been submitted (and approved) for the extension of the existing water main to serve the subject properties.
9. Sanitary Sewer: Currently, tax lot 201 is served by an existing septic system. Plans have been submitted (and approved) for the extension of the existing sanitary sewer main to serve the subject properties.
10. Transportation System: Fir Grove Lane where it fronts the subject property is designated a local access road under the jurisdiction of Douglas County's Land Use and Development Ordinance.
11. Overlay: A portion of the subject property may contain wetlands, per the Department of State Lands (DSL) wetlands mapping.

**Finding:** The procedural findings noted above are adequate to support the Planning Commission's recommendation on the requested Comprehensive Plan Map Amendment and Zone Map Change.

### **APPLICABLE CRITERIA & FINDINGS**

Pursuant to Section 4.11.110.C of the Sutherlin Development Code, the proposed amendment to the land use plan's text or map must be (1) consistent to the applicable statewide planning goals as adopted by the Land Conservation and Development Commission (LCDC), and (2) consistent with the remainder of the comprehensive plan, including inventory documents and facility plans incorporated therein.

Based upon the application materials and information submitted by the applicant and other evidence provided, staff presents the following findings to address the applicable criteria:

### **CONSISTENCY WITH THE STATEWIDE PLANNING GOALS**

1. **Goal 1- Citizen Involvement:** To provide for widespread public involvement in the planning process, so citizens can be involved in all phases of the planning process and to allow citizens the

opportunity to review and comment on proposed changes to comprehensive land use plans prior to any formal public hearing to consider the proposed changes.

**Finding:** Statewide Planning Goal 1 requires cities and counties to create and use a citizen involvement process designed to include affected area residents in planning activities and decision-making. Since acknowledgement of the City's Comprehensive Plan, the Sutherlin Planning Commission has been responsible for ensuring continued citizen involvement in planning matters and land use decisions. On September 25, 2023, City staff mailed copies of a Notice of Public Hearing to all owners of property within 100 feet of the subject property. The same notice was published in the News-Review, a local newspaper of general circulation, on September 29, 2023. Written evidence relied on by the land use decision-making bodies (i.e. the applications and supporting material) was available for public review at Sutherlin City Hall at least seven days prior to the first public hearing. These various forms of individual and public notice assure that local citizens have an opportunity to become informed about, and participate in, the public hearing process. The requested plan amendment and zone change are being processed in a manner that assures full compliance with Statewide Goal No. 1.

2. **Goal 2- Land Use Planning:** To establish a land use planning process and policy framework as a basis for all decisions and actions related to land use and to ensure a factual base for such decisions and actions.

**Finding:** Sutherlin's acknowledged Comprehensive Plan and implementing ordinances provide a State-approved process for land use decision making, and a policy framework derived from a proper factual base. The City's Comprehensive Plan and implementing ordinances provide the local criteria by which applicant's amendment request must be evaluated in light of relevant Findings of Fact. The requested plan amendment and zone change are complying with the requirements of Statewide Goal No. 2.

3. **Goal 3- Agricultural Lands:** To preserve, protect and maintain agricultural lands.

**Finding:** Previous legislative determination by the City of Sutherlin via the adoption of the Comprehensive Plan and when the subject property was annexed into the city limits as residential hillside zone, not agricultural. The Statewide Agricultural Goal is not applicable to this proposed comprehensive plan and zone map change request.

4. **Goal 4- Forest Lands:** To conserve forest lands for forest by maintaining the forest land base and to protect the state's forest economy by making possible economically efficient forest practices that assure the continuous growing and harvesting of forest tree species as the leading use on forest land....

**Finding:** There has previously been a legislative determination by the City of Sutherlin via adoption of the Comprehensive Plan and during the annexation process, the subject property is not forest land. This finding is validated by the fact that the site is irrevocably committed to urban use, and by the fact that the site is within the city limits of Sutherlin and the urban growth boundary. Statewide Planning Goal No. 4 is not applicable to this proposed plan amendment and zone change.

5. **Goal 5- Open Spaces, Scenic and Historic Area, and Natural Resources:** To conserve open space and protect natural and scenic resources.



**Finding:** As outlined within the applicant's submitted supporting documentation, the subject property has not been included in any inventory of needed open space or scenic areas, nor has it been identified in the Comprehensive Plan as having any historic or cultural resources which need to be preserved and/or protected. Further, the property will be developed to protect any significant natural resources in accordance with the provisions of the Comprehensive Plan. Based on the foregoing findings, the requested plan amendment and zone change will not conflict with any identified Goal 5 resources.

6. **Goal 6- Air, Water and Land Resource Quality:** To maintain and improve the quality of air, water and land resources of the state.

**Finding:** Statewide Planning Goal 6 requires that air, land and water resources of the state be maintained and improved by assuring that future development, in conjunction with existing development, does not violate applicable state and federal environmental quality standards, and does not exceed the carrying capacity of local air sheds, degrade land resources or threaten the availability of such resources. and process discharges from future development combined with that of existing development do not violate State or Federal environmental quality regulations. There has been a previous legislative determination by the City of Sutherlin that development of the subject property with urban uses will not result in degradation of air, water and land resources within the Sutherlin urban area or the state of Oregon. The subject property is situated in an area where the full range of urban services is available, including public water, public sewer and storm drainage systems (either above or in ground).

The proposed R-2 zoning is an acknowledgement of the existing development pattern near the subject property and surrounding area and its suitability for residential zoning due to its proximity to other R-1 zoned property and the clear need for more housing units as demonstrated in the housing needs analysis. Furthermore, the City of Sutherlin has sufficient regulatory measures in place to ensure that subsequent development of the site with urban uses will not result in deleterious or unanticipated impacts on the air, water and land resources of the urban area. The requested amendment is being evaluated in a manner that assures compliance with Statewide Goal No. 6.

7. **Goal 7- Areas Subject to Natural Disasters and Hazards:** To protect life and property from natural disasters and hazards.

**Finding:** The subject property has not been identified in any inventory of areas which have the likely potential to be subjected to natural disasters and hazards. The location of the site puts it well above any identified flood plain and any danger of flooding. The property proposed for amendment is generally flat or gently sloping on its northern portion increasing in slope to and through its south boundary. The land is similar in topography to adjoining and nearby properties that are already planned and zoned for the similar uses as contemplated by applicant.

The City of Sutherlin has adopted specific review and development standards for all properties within the city to ensure that their development and use does not pose a hazard to life and property. Any subsequent development of the subject property will be subject to such review and will be required to fully comply with all applicable development regulations. The requested amendment will not conflict with the purpose and intent of Statewide Goal No. 7.

8. **Goal 8- Recreational Needs:** To satisfy the recreational needs of the citizens of the State and visitors and, where appropriate, to provide for the siting of necessary recreation facilities including destination resorts.

**Finding:** The subject property has not been designated by the City of Sutherlin as land needed for recreational needs of the citizens of, or visitors to, the state of Oregon. Identified recreational needs have been provided for on other sites within the Sutherlin urban area. The proposed amendment will not conflict with Statewide Goal No. 8.

9. **Goal 9- Economic Development:** To provide adequate opportunities throughout the State for a variety of economic activities vital to the health, welfare, and prosperity of Oregon's citizens.

**Finding:** The subject properties are currently inside the city limits and planned and zoned for residential development. The conversion of this property to a higher density plan will have a positive impact on the current need for housing developments and will not impact the current commercial and industrial lands within the city.

Commercial and industrial zoning have been applied to other lands containing existing commercial and industrial uses, as well as to an appropriate amount of undeveloped land that is intended to accommodate future commercial and industrial development within the Sutherlin urban area. The Sutherlin Urban Area Comprehensive Plan contains specific policies to ensure that opportunities for economic development are enhanced in the Sutherlin urban area. The proposed plan amendment will not conflict with the Statewide Economic Development Goal.

10. **Goal 10- Housing:** To provide for the housing needs of citizens of the State.

**Finding:** The primary purpose of Goal 10, within the context of amending the Comprehensive Plan, is to ensure that sufficient buildable land is available to allow for the full range of housing needs within the urban area and to avoid creating shortages of residential land which could artificially restrict market choices in housing type, price range or location. The subject property is currently planned Low Density Hillside and is zoned RH. The current plan designation for area proposed for amendment allows up to 3 dwelling units per acre under its current plan designation. Applicant is requesting the RM plan which provides for up to 12 dwelling units per acre. The proposed plan amendment and zone change, and subsequent development of the site with either single family, duplex or multiple family (3-4) units will enhance the present inventory of developable residential land, and will, therefore, increase potential future opportunities to provide additional higher-density housing.

**Finding:** The proposal submitted would allow the property to be zoned at a higher density. Thus, allowing for an increase in housing inventory within the city limits and help with the need for available residential land and housing opportunities. This proposed plan amendment and zone change is consistent with Goal 10, and will promote both purpose and intent of the Statewide Housing Goal.

11. **Goal 11- Public Facilities and Services:** To plan and develop a timely, orderly and efficient arrangement of public facilities and services to serve as a framework for urban and rural development.

**Finding:** The subject properties are within the Sutherlin urban area, which public facilities and services are provided by the City of Sutherlin, Douglas County and several special districts. Policies concerning the coordination, timing and location of public facilities and services in the urban area are contained within the Public Facilities and Land Use Elements of the Comprehensive Plan. Specific measures intended to implement these policies are contained in various inter-governmental agreements, including the Sutherlin/Douglas County Urban Growth Management Agreement.

The City maintains an existing 8-inch sewer main that runs along Jaswant Avenue just north of the property. The applicant has consulted with the City regarding the of sanitary sewer service from the proposed extension of the existing main to the subject property for the type of development contemplated. The City indicates that sewer service is available to the subject property with the cost of extending new service into the site being applicant's/developers responsibility.

Water service to the subject site is provided by the City of Sutherlin via an existing 8-inch main in Jaswant Avenue. Applicant/developer will extend water service to the subject property at the time of development and will coordinate water improvements with the City of Sutherlin to assure proper location for installing a service line sufficient to serve the contemplated residential development.

The existing facilities are sized to provide the property with a supply of water that is adequate for anticipated residential service and for fire protection. Fire protection service is provided by the City of Sutherlin Fire Department. An existing fire hydrant is located on Jaswant Avenue just north of applicant's property. A new hydrant will be required in proximity to the subject property at the time of development. Police services in the area are provided by the City of Sutherlin Police Department. Street maintenance, storm drainage and street lighting in the area are also provided by the City of Sutherlin and Douglas County. The design and installation of onsite storm drainage facilities, if required, will be the responsibility of applicant/developer at the time of development. Plans for the installation of these and any other on-site and off-site facilities will be subject to review and approval of the City of Sutherlin, Douglas County and any other agency having jurisdiction over public facilities and services in the area.

**Finding:** On the basis of the foregoing facts, the requested plan amendment and zone change will not adversely impact the present or future provision of public facilities and services in the area. The full range of urban services appropriate for the subject property's proposed residential designation is available and can be provided in a timely, orderly and efficient manner consistent with the purpose and intent of Statewide Goal No. 11. This conclusion is based on consideration of the existing public service delivery systems and plans that are in place in the area to ensure coordination of the types, locations and delivery of the public facilities and services needed to support existing and proposed land uses in the area.

12. **Goal 12- Transportation:** To provide and encourage a safe, convenient and economic transportation system.

**Finding:** As previously noted, the subject property has frontage along Fir Grove Lane which is improved to a gravel surface with no curbs, gutters or sidewalks. Fir Grove Lane is classified as a local access road under the jurisdiction of Douglas County and is not maintained by Douglas County. Estimates of the average number of daily vehicle trips generated by a specific land use can be obtained from a number of reliable sources. One of the commonly referenced sources for such data is Trip Generation, published by the Institute of Transportation Engineers (ITE). Average daily trip generation rates published by ITE are based primarily on field data obtained from direct observation of actual land use activities. Trip generation rates

are reported as an average of vehicle counts taken at numerous sites having the same classification of land use. Trip generation rates are often broken down into specific time frames, such as “Average Daily Trips (ADT)”, “Average Peak Hour Trips”, and “AM and PM Peak Hour Trips”. For most land use activities, including both multi-family residential and duplexes uses, ITE defines an “average daily trip” as a one-way vehicular movement between a single origin and a single destination.

Based on the functional classification and existing service levels of adjacent and nearby transportation facilities, the proposed plan amendment and zone change will be consistent with the identified function, capacity, and level of service of those facilities. Nevertheless, specific transportation-related policies and development standards are included with the City of Sutherlin Comprehensive Plan, as well as the City’s zoning code to ensure that the statewide transportation goal is implemented on a site-specific basis at the time of development.

**Finding:** The applicant’s proposed zone change from RH to R-2 on the subject site will facilitate construction of additional residential housing units as set forth on the conceptual site plan included in the submitted supporting documents (See Figure 1) within the application considering the existing dwelling potential in comparison to the future potential under the proposed plan and zone. The subject site proposed for amendment will accommodate up to eight additional residential units considering site conditions and limitations. At the present time, public roads in the area are adequate to accommodate both existing traffic and potential future traffic volumes likely to be generated as a consequence of the requested plan amendment and zone change. No special traffic controls or other mitigation measures will be required due to the relatively low volume of traffic associated with the requested plan amendment and zone change until development of the subject property. As development occurs, road improvements to Douglas County, as well as city standards and requirements will be required, allowing for safe travel and connectivity to nearby roadways.

**Finding:** As outlined within the applicant’s proposal and submitted materials, considering that there will be limited increase in potential traffic levels as a result of the proposed amendment, will not result in a change in the functional classification of existing or planned transportation facilities serving the area, nor will it result in changes to existing development standards or alter the functional classification of existing or planned transportation facilities. Neither will it allow types of levels of land uses which would result in levels of travel or access which are inconsistent with the functional classification of near-by transportation facilities, or otherwise reduce the level of service of existing and planned transportation facilities below minimum acceptable levels. The proposed plan amendment and zone change will not conflict with the Statewide Transportation Goal. Compliance with the intent of Goal 12 will be assured through the application of specific local policies and standards at the time specific development plans for the subject property are formulated and submitted for review and approval.

13. **Goal 13- Energy Conservation:** To conserve energy.

**Finding:** The statewide energy conservation goal is intended to assure that land and uses developed on land are managed and controlled to maximize the conservation of all forms of energy, based upon sound economic principles. The subject property is situated within the established urban area where its subsequent development will promote the efficient energy-related use of existing and planned transportation facilities. Major public facilities and services are immediately available to the site, thus reducing the energy-related inefficiencies associated with extending such services beyond existing urban development. Furthermore, specific energy conservation policies and development standards are included within the Sutherlin Urban

Area Comprehensive Plan and the City's zoning code to ensure that the statewide energy conservation goal is implemented on a site-specific basis at the time the property is developed. The proposed plan amendment and zone change will not conflict with the Statewide Energy Conservation Goal No. 13.

14. **Goal 14- Urbanization:** To provide for an orderly and efficient transition from rural to urban land use.

**Finding:** The subject properties, including adjacent properties to the east and south are located within the Sutherlin Urban Growth Boundary (UGB). Urbanization goal requires that land to be within the UGB and shall be considered available over time for urban uses. Inclusion of the property within the UGB and city limits demonstrates the City's legislative intent to allow urban development to occur on the proposed sites. The proposed plan amendment and zone change will have no effect on the present status of the UGB, nor will it conflict with the purpose and intent of statewide planning Goal 14.

## **CONSISTENCY WITH SUTHERLIN COMPREHENSIVE PLAN POLICIES FOR COMPREHENSIVE PLAN AMENDMENTS**

### **Plan Amendment Criteria No. 2 – Conformance with the Comprehensive Plan**

The Sutherlin Urban Area Comprehensive Plan contains policy statements which are intended to provide the City with direction when considering a proposal to amend the Plan. Written policies that are applicable to the proposed plan amendment and zone change are contained in various elements of the Plan document, including the Natural Resources Element, the Public Facilities Element, the Housing Element, the Transportation Element, and the Land Use Element. The following proposed findings address each of the Plan policies that are applicable to this plan amendment and zone change request:

### **HOUSING POLICIES**

B. GOAL: To enable all members of the community to live in housing appropriate to their needs.

Housing Policy No. 2 - *Encourage innovative designs for various types of multi-family housing in order to meet the diverse needs of smaller households such as those of the elderly and young families.*

**Finding:** The subject property is situated within a mix of residential zoned properties as outlined within this staff report. The requested plan amendment and zone change would allow for a higher density and increased housing opportunities within the proposed R-2 zone.

C. GOAL: To locate future housing so that available land is both used efficiently and developed for a high degree of livability.

Housing Policy No. 1 - *Encourage infilling of the existing residential areas by incentives for new construction in already-serviced areas.*

**Finding:** The proposed amendment will promote efficient development of the property by using the existing public access, facilities and services that already exist in the area. The proposed use of the property for increased density residential housing is consistent with the established uses on the surrounding properties and the character of other existing urban residential uses. Public facilities, including sewer, water and storm drainage, are currently under construction and being installed to adequately serve the property.

The site will be developed in a manner that fully conforms to the applicable development standards for residential uses, including access and internal circulation, signage, lighting, buffering and landscaping. Conceptual site development plans are submitted with this application for the future residential development. The site plan review process at the time of development will assure that the subject property will be developed in the manner represented by the plan amendment and zone change applications and will further assure that development of the site will fully comply with all applicable development standards.

## **PUBLIC FACILITIES POLICIES**

A. GOAL: To provide efficient public facilities and services in an orderly, planned manner so as to meet the needs of Sutherlin's residents and businesses.

Public Facilities and Services Policy No. 1 - *The city shall ensure that appropriate support systems are installed prior to or concurrent with the development of a particular area. Costs of constructing water and sewer ties to new developments shall be borne by the developer.*

**Finding:** City water, sewer, storm water, transportation and fire hydrant will need to be install to serve the subject properties, the construction to city standards are the responsibility of the property owner(s)/developer. The applicant has submitted engineered plans for the proposed infrastructure to the city and also submitted a drainage assessment to demonstrate consistency with the drainage requirements with the applications supporting documents.

Public Facilities Policy No. 12 - *The city shall provide sewer and water service to areas within the Urban Growth Boundary.*

**Finding:** As noted previously, the subject property has city water and sewer available. Existing water and sanitary sewer are located within the right-of-way of Jaswant Avenue, to the north. These improvements, meeting city standards will need to be extended to serve the subject properties.

Public Facilities Policy No. 14 - *Ensure that as new development occurs, public facilities and services to support the development are available or will be available within a reasonable time.*

**Finding:** The subject properties have public water and sanitary sewer available, the property owner(s)/developer are currently working towards getting the needed public utilities installed to the site and available for necessary development.

C: GOAL: To conserve energy resources and encourage utilization of renewable energy resources.

Public Facilities and Services Policy No. 8 - *Redevelopment of large lots and infilling and development of undersized lots will be encouraged where appropriate.*

**Finding:** The applicant is proposing through the plan amendment and zone change applications a higher density zone, which would facilitate the development of the 3.81 acres, utilizing renewable energy resources as available.



## TRANSPORTATION POLICIES (set out in Public Facilities element)

B. GOAL: To provide and encourage a safe, convenient, aesthetic, and economical transportation system.

Transportation Development Policy No. 1 - *Encourage the expansion of the street improvement program and also coordinate the program with the future street plan, and thus ensure that those streets that have been designated to carry high volumes of traffic (arterials and collectors) are in satisfactory and safe condition.*

**Finding:** As previously noted, the subject property has access via Fir Grove Lane which is improved to a gravel surface with no curbs, gutters or sidewalks. Fir Grove Lane is classified as a local access road under the jurisdiction of Douglas County and is not maintained by Douglas County. As development occurs, the property owner(s)/developer will be required to improve a portion of Fir Grove Lane, providing curb, gutters and sidewalks to allow for safe and economical transportation. The interior circulation plan for the proposed residential units will connect to the public street system at points of access to the property as directed by the City which connections will be improved in accordance with City design standards and requirements.

## SECTION 4.8 ZONING DISTRICT MAP AMENDMENTS

**4.8.100 Purpose.** The purpose of this section is to provide standards and procedures for legislative and quasi-judicial amendments to the zoning district map. These will be referred to as “zoning map amendments.” Map amendments may be necessary from time to time to reflect changing community conditions, needs and desires, to correct mistakes, or to address changes in the law.

**4.8.110 Criteria for Amendment.** The planning commission shall approve, approve with conditions or deny an application for a quasi-zoning map amendment based on all of the following criteria:

1. *Demonstration of compliance with all applicable comprehensive plan policies and map designations. Where this criterion cannot be met, a comprehensive plan amendment shall be a prerequisite to approval;*

**Finding:** The proposed zone map amendment is being reviewed in conjunction with a comprehensive plan amendment to change the subject 3.81 acres from low density hillside to medium density. As outlined and addressed previous findings within the document, the applicant’s proposal is consistent with all the applicable comprehensive plan policies and implementing ordinances.

2. *Demonstration that the most intense uses and density that would be allowed, outright in the proposed zone, considering the sites characteristics, can be served through the orderly extension of urban facilities and services, including a demonstration of consistency with OAR 660-012-0060; and*

**Finding:** The application and supporting documents outlines how the requested proposal to medium density will allow the construction of duplex units or multifamily dwellings (3 or 4 dwellings) on the units of land under the applicable criteria set out immediately above as a permitted use under the R-2 zone. The subject property can be served through the orderly extension of urban services and is consist with OAR 660-012-0060. Public utilities (i.e. water and sanitary sewer) are located within the existing right-of-way of Jaswant Avenue.

3. *Evidence of change in the neighborhood or community, or a mistake or inconsistency between the comprehensive plan or zoning district map regarding the subject property which warrants the amendment.*

**Finding:** The requested application is not the result of a mistake or inconsistency between the comprehensive plan or zoning district map. The subject property was recently annexed into Sutherlin city limits, concurrently with an urban growth boundary expansion. When the subject property was considered for the UGB Exchange and annexation into the city limits, the majority of lands considered were residentially zoned and the exchange would be a like for like designation of residential zones. Thus, resulting in the subject properties being zoned residential hillside.

## **SECTION 4.11 AMENDMENTS TO THE SUTHERLIN DEVELOPMENT CODE AND LAND USE PLANS**

**4.11.100 Purpose and Applicability.** These regulations provide the procedures and criteria the city will follow when it considers making an amendment to the city's development code or a land use plan, including amendments to the comprehensive plan text or map, annexations and amendments to the urban growth boundary.

**4.11.110 Approval Criteria.** The planning commission's recommendation and the city council's decision shall be based on the following approval criteria.

1. *For a proposed amendment to the city's development code, the proposed amendment is consistent with applicable provisions of the comprehensive plan, including inventory documents and facility plans incorporated therein.*

**Finding:** As outlined and addressed in previous findings within the document, the applicant's proposal is consistent with all the applicable comprehensive plan policies, including inventory documents and implementing ordinances.

2. *For a proposed amendment to a land use plan's text or map:*
  - a. *The proposed amendment is consistent with applicable statewide planning goals as adopted by the Land Conservation and Development Commission; and*
  - b. *The proposed amendment is consistent with the remainder of the comprehensive plan, including inventory documents and facility plans incorporated therein.*

**Criteria A:** The proposed amendment is consistent with applicable statewide planning goals as adopted by the Land Conservation and Development Commission.

**Finding:** Findings for the statewide planning goals adopted by Department of Land and Conservation and Development (DLCD) are addressed on an individual basis in previous section of this document. Each of the applicable goals contains findings of compliance, and no exceptions to those goals are proposed. The Plan Amendment and Zone Change satisfy the statewide planning goals.

**Criteria B:** The proposed amendment is consistent with the remainder of the comprehensive plan, including inventory documents and facility plans incorporated therein.

**Finding:** As stated throughout this staff report document and outlined within the findings, the proposed amendment is consistent with the necessary comprehensive plan, including inventory documents and facility plans.

## **CONCLUSION**

City Staff recommends that the Planning Commission forward a recommendation for approval to the Sutherlin City Council of the requested Comprehensive Plan Map Amendment from Low Density Hillside to Medium Density and Zone Map Change from (RH) Residential Hillside to (R-2) Medium Density Residential on the subject 3.81 acre properties.

## **DECISION OPTIONS**

Based on the applicant's findings, the City Staff Report and the testimony and evidence provided during the public hearing, the Planning Commission can move to either:

1. Close the public hearing and, after deliberating on the matter, pass a motion to **recommend** to the City Council **approval** of the requested Comprehensive Plan Map and Zoning Map Amendments on the subject 3.81 acre properties; or
2. Close the public hearing and, after deliberating on the matter, pass a motion to **recommend** to the City Council approval of the requested Comprehensive Plan Map and Zoning Map amendments with specified **conditions**; or
3. Pass a motion to **continue the public hearing** to a specified date and time, or to close the public hearing and to leave the record open to a specified date and time for submittal of additional evidence and rebuttal; or
4. Close the public hearing and, after deliberating on the matter, pass a motion to **recommend denial** of the requested Comprehensive Plan Map and Zoning Map amendments on the grounds that the proposal does not satisfy the applicable approval criteria.

## Jamie Fugate

---

**From:** Kathy Z. Wall <Kathy.Wall@douglascountyor.gov>  
**Sent:** Monday, October 9, 2023 10:54 AM  
**To:** Jamie Fugate  
**Subject:** Robinson, et al.; File No. 23-S010

**[EXTERNAL SOURCE - USE CAUTION]**

Hi Jamie,

Thanks for taking my call this morning.

As I mentioned the DC Planning Department has no concerns or comments related to this request.

Have a great week,  
Kathy



Kathy Wall | Senior Planner

Douglas County Courthouse | Room 106 | Justice Building | Roseburg, OR 97470  
Phone: 541-440-4289 | Email: [kathy.wall@douglascountyor.gov](mailto:kathy.wall@douglascountyor.gov)

## Jamie Fugate

---

**From:** Mathew Hogan from Fair Housing Counsel of Oregon  
<mathew.jamesfhco@gmail.com>  
**Sent:** Monday, October 9, 2023 5:27 PM  
**To:** Jamie Fugate  
**Subject:** PAPA file 23-S010

### [EXTERNAL SOURCE - USE CAUTION]

Good morning Jamie,

My name is Mathew Hogan and I am conducting outreach for the Fair Housing Council of Oregon (FHCO). I was hoping to obtain the staff report and all corresponding attachments for 23-S010 the "P/A (LOW DENSITY HILLSIDE TO MEDIUM DENSITY) & Z/C (RESIDENTIAL HILLSIDE TO MEDIUM DENSITY RESIDENTIAL)" when available. We will be reviewing the staff report predominantly for Statewide Planning Goal 10 compliance.

If we do have any commentary or concerns my colleague Sam Goldberg will be in touch to advise. We hope this can be a collaborative process. Please confirm receipt of this e-mail, and I look forward to hearing from you soon.

Very Respectfully,


### Mathew Hogan

Fair Housing Council of Oregon

Phone: (406) 439 0950

E-mail: [Mathew.JamesFHCO@gmail.com](mailto:Mathew.JamesFHCO@gmail.com)

For the latest on the PAPA Project and our feedback & technical advice methodology, please read the PAPAs section at our partner website, [here](#).

 Powered by [HubSpot](#).



**CITY OF SUTHERLIN  
COMPREHENSIVE PLAN AMENDMENT  
APPLICATION**

Community Development  
126 E. Central Avenue  
Sutherlin, OR 97479  
(541) 459-2856

FILE NO. **23-S010**

DATE FILED: 8-17-23

FEE: \$1200.00 + Legal Fees (non-refundable)

STAFF EXHIBIT NO. 6

**THE UNDERSIGNED OWNER(S) OR AUTHORIZED AGENT(S) HEREBY REQUEST FROM  
THE CITY OF SUTHERLIN A COMPREHENSIVE PLAN AMENDMENT**

Low Density Hillside (RLH) TO Medium Density Residential (RM)  
(Current Comp Plan) (Proposed Comp Plan)

**1. APPLICATION INFORMATION**

APPLICANT:

Name(s): Sam Robinson et/al

Address(s): P. O. Box 917, Sutherlin, OR 97459

Phone(s): 541.817.3468 Email: robinsontradingcompany@yahoo.com

TITLEHOLDER OF SUBJECT PROPERTY:

Name(s): Sam Robinson et/al

Address(s): P. O. Box 917, Sutherlin, OR 97459

Phone(s): 541.817.3468 Email: robinsontradingcompany@yahoo.com

AUTHORIZED AGENT(s):

Name(s): Mark Garrett Land Use Planning Services

Address: P. O. Box 2191, Roseburg, Oregon 97470

Phone(s): 541.825.3708 Email: markgarrett@frontiernet.net

**2. PROPERTY DESCRIPTION**

A. T 25S R 5W Sec 19C Tax Lot(s) 201, 300 and 400

B. Property No. ID(s): R46993, R47000 and R47007

- C. Present Size of Parcel: 3.81 acres
- D. Total land area involved in the request: Acres: 3.81 acres SQ FT: 165,963 sq. ft.
- E. 1. List all existing addresses located on the property  
824 Jaswant; 842, 862 and 946 Fir Grove Lane
2. Indicate the subject property's location in relationship to nearest streets (i.e., NE corner of Umatilla St. and 5<sup>th</sup> Ave.) .) Property is located at the intersection of Jaswant Avenue and Fir Grove Lane approximately 400 feet south of Duke Road.

### 3. EXISTING AND ANTICIPATED USE INFORMATION

- A. Current Use: Residential and vacant
- B. Current Zoning: Residential Hillside (RH)
- C. Current Comprehensive Plan: Low Density Hillside (RLH)
- D. Proposed Changed Designation: Medium Density Residential (RM)
- E. Proposed use of the site for which this change is being requested  
Applicant proposes to develop duplex units on residential lots
- F. Is it anticipated that structures will be removed/demolished from the property?  
YES or NO ☒ If yes, a separate application for demolition is required.
- G. Are any historic structures or historically significant features on the subject property?  
YES ☒ NO If yes, describe the impacts to such features.
- H. Is it anticipated that a land division or partitioning will occur as a result of the change granted? ☒ YES ☐ NO If yes, compliance with Sutherlin Development Code (ORD. 976) and a separate application for subdivision, PUD, partition.
- I. What is the anticipated time for development? Fall, 2023
- J. Will this development be in phases? YES or NO If yes, number and timeline of additional phase completion Undetermined
- K. What additional public and private utilities will be needed for the proposed development?  
Applicant will extend the existing public services to the development including sewer, water, power, gas and phone.

**4. REQUIRED ATTACHMENTS (Please submit all tentative plans/plats electronically)**

**A. General Information:**

1. A plot map showing boundaries, proposed change, current plan designation, access, utilities, and 5' contours.
2. Date, north arrow, and scale of drawing;
3. Location of the development sufficient to define its location in the city, boundaries, and a legal description of the site;
4. Names, addresses and telephone numbers of the owners, project designer, engineer(s), and or surveyor, and the date of the survey; if applicable.

**B. Impact Statement: Shall include a narrative addressing each area of impact listed below:**

1. Quantify/assess the effect of the development on public facilities and services;
2. Address, at a minimum, the transportation system, including pedestrian ways and bikeways, the drainage system, the parks system, the water system, the sewer system, and the noise impacts of the development; and
3. For each public facility system and type of impact, the study shall propose improvements necessary to meet city standards and to minimize the impact of the development on the public at large, public facilities systems, and affected private property users.

**C. Applicant shall submit a narrative that addresses each of the approval criteria listed below:**

1. For a proposed amendment to the city's development code, the proposed amendment is consistent with applicable provisions of the comprehensive plan, including inventory documents and facility plans incorporated therein.
2. For a proposed amendment to a land use plan's text or map:
  - a. The proposed amendment is consistent with applicable statewide planning goals as adopted by the Land Conservation and Development Commission; and
  - b. The proposed amendment is consistent with the remainder of the comprehensive plan, including inventory documents and facility plans incorporated therein.

**5. SIGNATURES**

I hereby apply for a Comprehensive Plan Amendment as requested on this form and certify that the attachments are complete and correct. (Any and all engineering cost incurred by the City of Sutherlin associated with this application shall be the responsibility of the applicant.) **Attach sheet if additional signatures are required.**

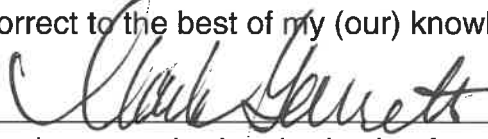


**SIGNATURE REQUIRED:**

We, Sam Robinson, Adam Haley, Nanette Haley, Kenneth Gruesbeck and Yvonne Gruesbeck, are  
(Print Name(s) in Full)

the titleholder(s) or contract purchaser(s) [under a duly executed written contract] of the property described in this application and hereby certify that the statements and information contained herein are in all aspects true, complete and correct to the best of my (our) knowledge and belief.

SIGNED: \_\_\_\_\_



(see attached authorization forms)

DATE: July 24, 2023

Any other owner or option holder or buyer who does not sign this application shall provide a signed statement providing their authorization for submission of this request.

**COMPLETENESS CHECK**

The Community Development Director shall check an application for completeness as per Development Code, Section 4.2.160 (E)(3). The Community Development Director shall notify the applicant of any missing materials within 30 days of receiving the application. If the application was complete with first submitted or the applicant submits the requested additional information within one hundred, eighty (180) days of the date the application was first submitted, approval or denial of the application shall be based upon the standards and criteria that were applicable at the time the application was first submitted.

Submittal of payment for an application does not classify an application as complete. The Community Development Director will contact the applicant on the status of the application within the 30 days allowed to determine if the application is complete.

This application has been inspected by me and found to be sufficiently complete to initiate the review process.

Planner: \_\_\_\_\_



Fee Receipt No: \_\_\_\_\_

58835

Date: \_\_\_\_\_

8.21.23



# CITY OF SUTHERLIN ZONE CHANGE APPLICATION

Community Development  
126 E. Central Avenue  
Sutherlin, OR 97479  
(541) 459-2856

FILE NO. \_\_\_\_\_ DATE FILED \_\_\_\_\_  
FEE: \$1200.00 + Legal Fees (non-refundable)

THE UNDERSIGNED OWNER(S) OR AUTHORIZED AGENT(S) HEREBY REQUEST FROM  
THE CITY OF SUTHERLIN A ZONE CHANGE FROM

RLH TO R2  
(Current Zoning) (Proposed Zoning)

## 1. APPLICATION INFORMATION

### APPLICANT:

Name(s): Sam Robinson et/al

Address(s): P. O. Box 917, Sutherlin, OR 97459

Phone(s): 541.817.3468 Email: robinsontradingcompany@yahoo.com

Name(s): Sam Robinson et/al

Address(s): P. O. Box 917, Sutherlin, OR 97459

Phone(s): 541.817.3468 Email: robinsontradingcompany@yahoo.com

### AUTHORIZED AGENT(s):

Name(s): Mark Garrett Land Use Planning Services

Address: P. O. Box 2191, Roseburg, Oregon 97470

Phone(s): 541.825.3708 Email: markgarrett@frontiernet.net

## 2. PROPERTY DESCRIPTION

T 25S R 5S Sec 19C Tax Lot(s) 201, 300 and 400

Property I.D. No(s). R46993, R47000 and R47007

Comprehensive Plan: Low Density Hillside (RLH) Zone: Residential Hillside

Property Site Address: 842 Fir Grove Lane (there are multiple addresses)

Size of Parcel: 3.81  
2.43 acres

Total land area involved in the Zone Change request: Acres: 3.81 ac. SQ FT: 165,903

### 3. EXISTING AND ANTICIPATED USE INFORMATION

- A. Current Use: Residential and vacant
- B. City Zoning: Residential Hillside
- C. Comprehensive Plan: Low Density Hillside (RH)
- D. Proposed Zoning Designation: Medium Density Residential (RM)
- E. Proposed Use of the site for which this change is being requested:  
Applicant proposes to develop duplex units on residential lots
- F. Is it anticipated that structures will be removed/demolished from the required property? \_\_\_\_ YES X NO If yes, a separate application for demolition is required.
- G. Are any historic structures or historically significant features on the subject property? \_\_\_\_ YES X NO If yes, describe any impacts to such features.
- H. Is it anticipated that a land division or partitioning will occur as a result of the Zone Change being granted? X YES or \_\_\_\_ NO If yes, compliance with Sutherlin Development Code (ORD. 976) and a separate application for subdivision, PUD, partition.
- I. What is the anticipated time for development? Fall, 2023
- J. Will this development be in phases? YES or NO If yes, number and timeline of additional phase completion Undetermined
- K. What additional public and private utilities will be needed for the proposed development? Applicant will extend the existing public services to the development including sewer, water, power, gas and phone.

### 4. REQUIRED ATTACHMENTS (Please submit all tentative plans/plats electronically)

- A. General Information:
1. A plot map showing boundaries, proposed zone, current plan designation, access, utilities, and 5' contours.
  2. Date, North arrow, and scale of drawing;
  3. Location of the development sufficient to define its location in the city, boundaries, and a legal description of the site;
  4. Names, addresses and telephone numbers of the owners, project designer, engineer(s), and/or surveyor, and the date of the survey; if applicable.

- B. Impact Statement: Shall include a narrative addressing each area of impact listed below:
1. Quantify/assess the effect of the development on public facilities and services;
  2. Address, at a minimum, the transportation system, including pedestrian ways and bikeways, the drainage system, the parks system, the water system, the sewer system, and the noise impacts of the development; and
  3. For each public facility system and type of impact, the study shall propose improvements necessary to meet city standards and to minimize the impact of the development on the public at large, public facilities systems, and affected private property users.
- C. The applicant shall submit a narrative that addresses each of the approval criteria listed below:
1. Demonstration of compliance with all applicable comprehensive plan policies and map designations. Where this criterion cannot be met, a comprehensive plan amendment shall be a prerequisite to approval;
  2. Demonstration that the most intense uses and density that would be allowed, outright in the proposed zone, considering the sites characteristics, can be served through the orderly extension of urban facilities and services, including a demonstration of consistency with OAR 660-012-0060; and
  3. Evidence of change in the neighborhood or community, or a mistake or inconsistency between the comprehensive plan or zoning district map regarding the subject property which warrants the amendment.

## 5. SIGNATURES

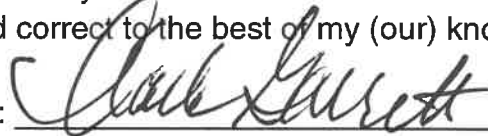
I hereby apply for a Zone Change as requested on this form and certify that the attachments are complete and correct. (Any and all engineering cost incurred by the City of Sutherlin associated with this application shall be the responsibility of the applicant.) **Attach sheet if additional signatures are required.**

### SIGNATURE REQUIRED:

We, Sam Robinson, Adam Haley, Nanette Haley, Kenneth Gruesbeck and Yvonne Gruesbeck, are  
(Print Name(s) in Full)

the titleholder(s) or contract purchaser(s) [under a duly executed written contract] of the property described in this application and hereby certify that the statements and information contained herein are in all aspects true, complete and correct to the best of my (our) knowledge and belief.

SIGNED: \_\_\_\_\_



(see attached authorization forms)

DATE: July 24, 2023

Any other owner or option holder or buyer who does not sign this application shall provide a signed statement providing their authorization for submission of this request.

## COMPLETENESS CHECK

The Community Development Director shall check an application for completeness as per Development Code, Section 4.2.160 (E)(3). The Community Development Director shall notify the applicant of any missing materials within 30 days of receiving the application. If the application was complete with first submitted or the applicant submits the requested additional information within one hundred, eighty (180) days of the date the application was first submitted, approval or denial of the application shall be based upon the standards and criteria that were applicable at the time the application was first submitted.

Submittal of payment for an application does not classify an application as complete. The Community Development Director will contact the applicant on the status of the application within the 30 days allowed to determine if the application is complete.

This application has been inspected by me and found to be sufficiently complete to initiate the review process.

Planner: JF

Fee Receipt No: 58835

Date: 8-21-23

## LAND USE ACTION OWNER AUTHORIZATION

The City of Sutherlin Land Use Ordinance requires a signature of one or more owners of property which is the subject of an application. This form, when duly executed, allows an owner to authorize an agent to sign on the owner's behalf in all matters related to making application.

### AUTHORIZATION AS AGENT

I (We), hereby, authorize Mark Garrett to act as my (our) agent in this application for a Plan Amendment and Zone Change on Property ID No(s). R47000; R47007 and R46993

Adam Haley

(Print)

Adam Haley  
(Signature)

Nanette Haley

(Print)

Nanette Haley  
(Signature)

Kenneth Gruesbeck

(Print)

Kenneth Gruesbeck  
(Signature)

Yvonne Gruesbeck

(Print)

Yvonne Gruesbeck  
(Signature)

6-27-2023  
(Date)

**Important Disclaimer:** If there are multiple owners, purchasers or lessees of record for each property involved in the application, and less than all of the required signatures are obtained, then each of the owners, purchasers, or lessees of record will be notified in processing the application and will have an opportunity to respond. If a timely objection is received from one of the owners within 15 days of the notice, then the application will be deemed by the Director to be withdrawn by the applicant.

## LAND USE ACTION OWNER AUTHORIZATION

The City of Sutherlin Land Use Ordinance requires a signature of one or more owners of property which is the subject of an application. This form, when duly executed, allows an owner to authorize an agent to sign on the owner's behalf in all matters related to making application.

### AUTHORIZATION AS AGENT

I (We), hereby, authorize Mark Garrett to act as my (our) agent in this application for a Plan Amendment and Zone Change on Property ID No(s). R47000; R47007 and R46993

Sam Robinson

(Print)

Sam Robinson

(Signature)

Nanette Haley

(Print)

Nanette Haley

(Signature)

8-18-2023

(Date)

**Important Disclaimer:** If there are multiple owners, purchasers or lessees of record for each property involved in the application, and less than all of the required signatures are obtained, then each of the owners, purchasers, or lessees of record will be notified in processing the application and will have an opportunity to respond. If a timely objection is received from one of the owners within 15 days of the notice, then the application will be deemed by the Director to be withdrawn by the applicant.



**SAM ROBINSON ET/AL  
PLAN AMENDMENT AND ZONE CHANGE**

**Table of Contents**

	<b><u>Page</u></b>
Organization of Application .....	1
<b>INTRODUCTION AND BACKGROUND .....</b>	<b>2</b>
A.           Applicant's Proposal .....	2
B.           Description of Subject Property and Adjacent and Nearby Area .....	2
Subject Property .....	2
Adjacent and Nearby Land to the West .....	2
Adjacent and Nearby Land to the North .....	2
Adjacent and Nearby Land to the East .....	2
Adjacent and Nearby Land to the South .....	2
C.           Comprehensive Plan Amendment Criteria .....	3
<b>COMPLIANCE WITH STATEWIDE PLANNING GOALS .....</b>	<b>4</b>
Goal 1: Citizen Involvement .....	4
Goal 2: Land Use Planning .....	4
Goal 3: Agricultural Lands .....	5
Goal 4: Forest Lands .....	5
Goal 5: Open Spaces, Scenic and Historic Areas, and Natural Resources .....	5
Goal 6: Air, water and Land Resources Quality .....	9
Goal 7: Areas Subject to Natural Disasters and Hazards .....	9
Goal 8: Recreational Needs .....	10
Goal 9: Economic Development .....	10

Goal 10: Housing ..... 11

Goal 11: Public Facilities ..... 12

Goal 12: Transportation ..... 13

Goal 13: Energy Conservation ..... 16

Goal 14: Urbanization ..... 17

**COMPLIANCE WITH URBAN COMPREHENSIVE PLAN POLICIES ..... 17**

Housing Plan Policies ..... 17

Public Facilities Policies ..... 18

Transportation Policies ..... 20

**COMPLIANCE WITH ZONE CHANGE CRITERIA ..... 22**

List of Attachments

Attachment

- A. Legal Description of the Proposed Amendment Area (2.43 ± acres)
- B. Traffic Impact Letter – i.e. Engineering
- C. Site Drainage Letter – i.e. Engineering

List of Figures

<u>Figure</u>	<u>Following Page</u>
0. Vicinity Map .....	2
1. Preliminary Site Plan including dwellings, circulation and topography .....	2
2a. City of Sutherlin Zoning Map .....	3
2b. Douglas County Zoning Map .....	3
3. National Wetlands Inventory Map .....	8

# APPLICATION OF SAM ROBINSON ET/AL FOR A COMPREHENSIVE PLAN MAP AMENDMENT AND CONCURRENT ZONE CHANGE

## Organization of This Application

This application will be heard by the City of Sutherlin Planning Commission will be in the fall of 2023. This will be the first evidentiary hearing to review this application, exhibits and evidence submitted into the record to determine whether the requested amendment and zone change meet the applicable review criteria set forth in the Oregon Revised Statutes, Administrative Rules, City of Sutherlin Municipal Code.

This document begins with a table of contents which includes Applicant's exhibits that are incorporated as part of this application. The application is organized and presented to the Commission in accordance with the relevant review standards. Part 1 contains the introduction and background of this request. Part 2 addresses the Statewide Planning Goals. Part 3 addresses City of Sutherlin Comprehensive Plan policies for the proposed Medium Density Residential (MR) Plan designation. Part 4 addresses the City of Sutherlin criteria for a Zone Change.

The complete text of all relevant review criteria are set out in *italicized* font with an abbreviated introductory portion of each criterion in **bold** font, without quotation marks. Quotations are in *italicized* font with quotation marks. All other narrative in this application appears in regular font.

## **I. INTRODUCTION & BACKGROUND**

This matter comes before the City of Sutherlin Planning Commission on application filed by Sam Robinson, et/al, herein referred to as Applicant, which is the owner of the subject property. The subject ~~3.81~~ acres property is multiple lots created by Fir Grove Tracts subdivision and subsequent divisions and is located on east side of Fir Grove Lane just south of Jaswant Avenue in the western portion of city of Sutherlin. (See Figure 0 – Vicinity Map following this page) The majority of subject property is undeveloped with a shop on the most southerly parcel and two dwellings at the north end of the ownerships. The subject site and is identified in the Douglas County Assessor's records as Tax Lots 201, 300 and 400, Section 19C, Township 25S, Range 5W, W.M., Account Nos. R46993, R47000 and R47007. (See Attachment A - copy of legal description for the area proposed for amendment).

Applicant is proposing an amendment to the Sutherlin Urban Area Comprehensive Plan map designation from "Residential Hillside" to "Medium Density", together with a concurrent zone change from Residential Hillside (RH) to Medium Density Residential (R2), on the property described above.

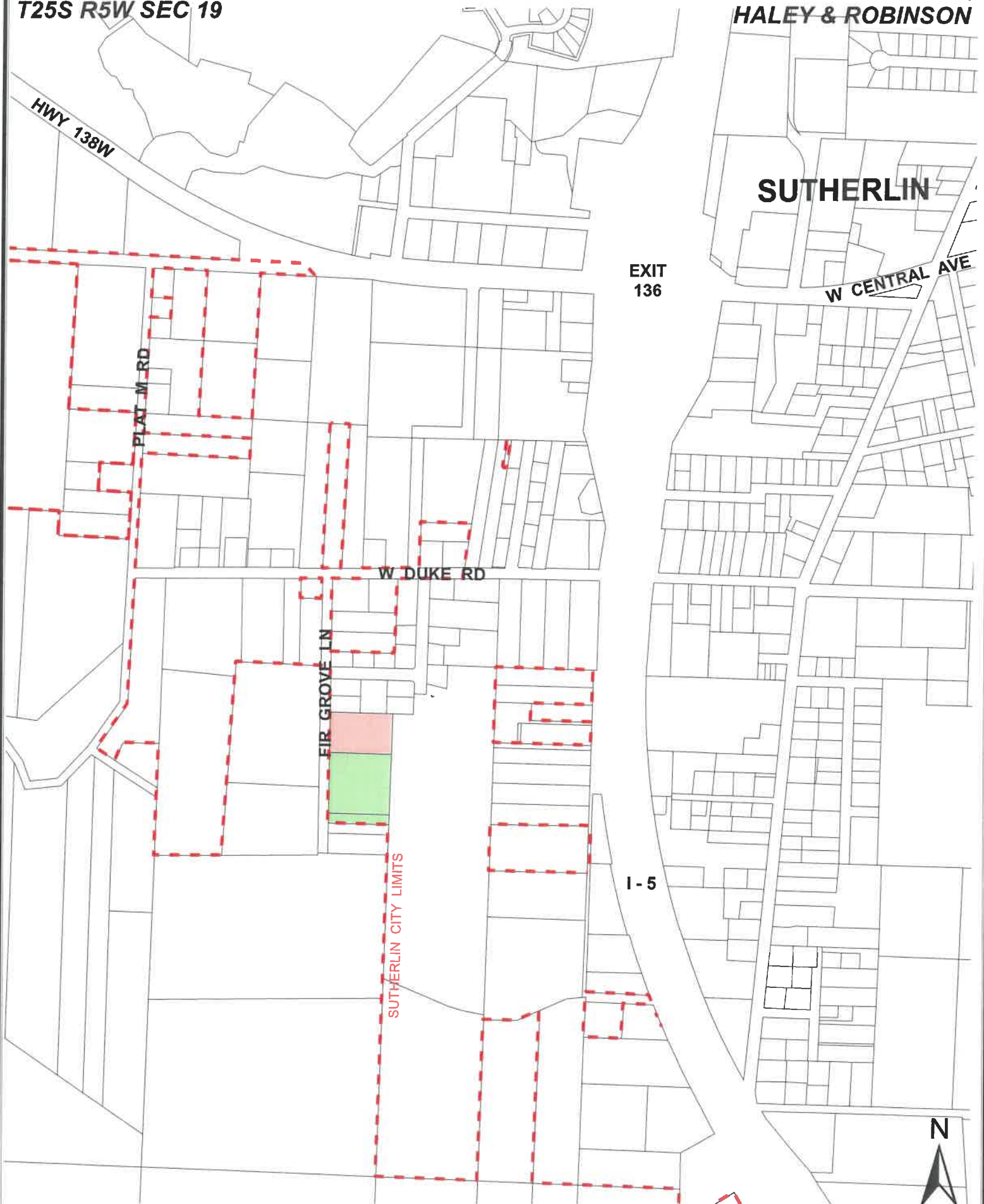
Applicant intends to develop the ownership with a mix of multiple-family and single-family housing units under the proposed zoning. (See Figure 1 - development plan) following this page. The proposed development will be similar in nature to other residential development in the area.

The subject property is designated for residential hillside development by the City and is located at the western edge of the city. The land is in a mixed-use area comprised of single-family housing units along with some rural residential properties to the west and south. Properties to the north and east are zoned and developed with single-family residences with the property immediately east being undeveloped. The land to the south and west is outside the City boundary.

FIGURE 0

VICINITY MAP  
T25S R5W SEC 19

HALEY; GRUESBECK,  
HALEY & ROBINSON



CITY OF SUTHERLIN

Copies of the City of Sutherlin and Douglas County zoning maps are included to generally identify the land uses and the area surrounding the subject property. (See Figures 2a and 2b, respectively – Zoning Maps following this page)

### **A. Comprehensive Plan Amendment Criteria**

Proposed amendments to the Sutherlin Urban Area Comprehensive Plan are subject to review by the Sutherlin Planning Commission, and ultimately must be reviewed and approved by the Sutherlin City Council. After receiving and accepting Applicant's request for an amendment to the Comprehensive Plan, the City is required to give notice of the proposed amendment to the Oregon Department of Land Conservation and Development (DLCD) at least 35 days prior to the first scheduled public hearing on the matter. Any amendment of the Comprehensive Plan must be reviewed by DLCD to ensure that the proposed action meets the criteria established under the statewide planning goals and applicable administrative rules.

The specific procedures and criteria for reviewing a proposed Comprehensive Plan Amendment are set forth in the Sutherlin Urban Area Comprehensive Plan, the Sutherlin Municipal Code and the administrative rules that have been adopted by the Land Conservation and Development Commission (LCDC).

The Sutherlin Urban Area Comprehensive Plan, like other Comprehensive Plans, is generally understood to require that two basic standards, or criteria, be addressed prior to approving a proposed amendment to the Plan. Generally stated, these criteria require amendments to the Plan to be supported by Findings of Fact which demonstrate that the amendment is consistent with all applicable statewide planning goals adopted by LCDC; and, that the amendment is consistent with the written policies contained within the Comprehensive Plan document itself along with supporting inventory documents and facility plans. If the City proposes to take an exception to any of the statewide planning goals, Findings of Fact showing why the exception is justified must also be adopted. In the following sections of this supplemental application document, Applicant proposes Findings of Fact which demonstrate that the proposed amendment is

FIGURE 2a.

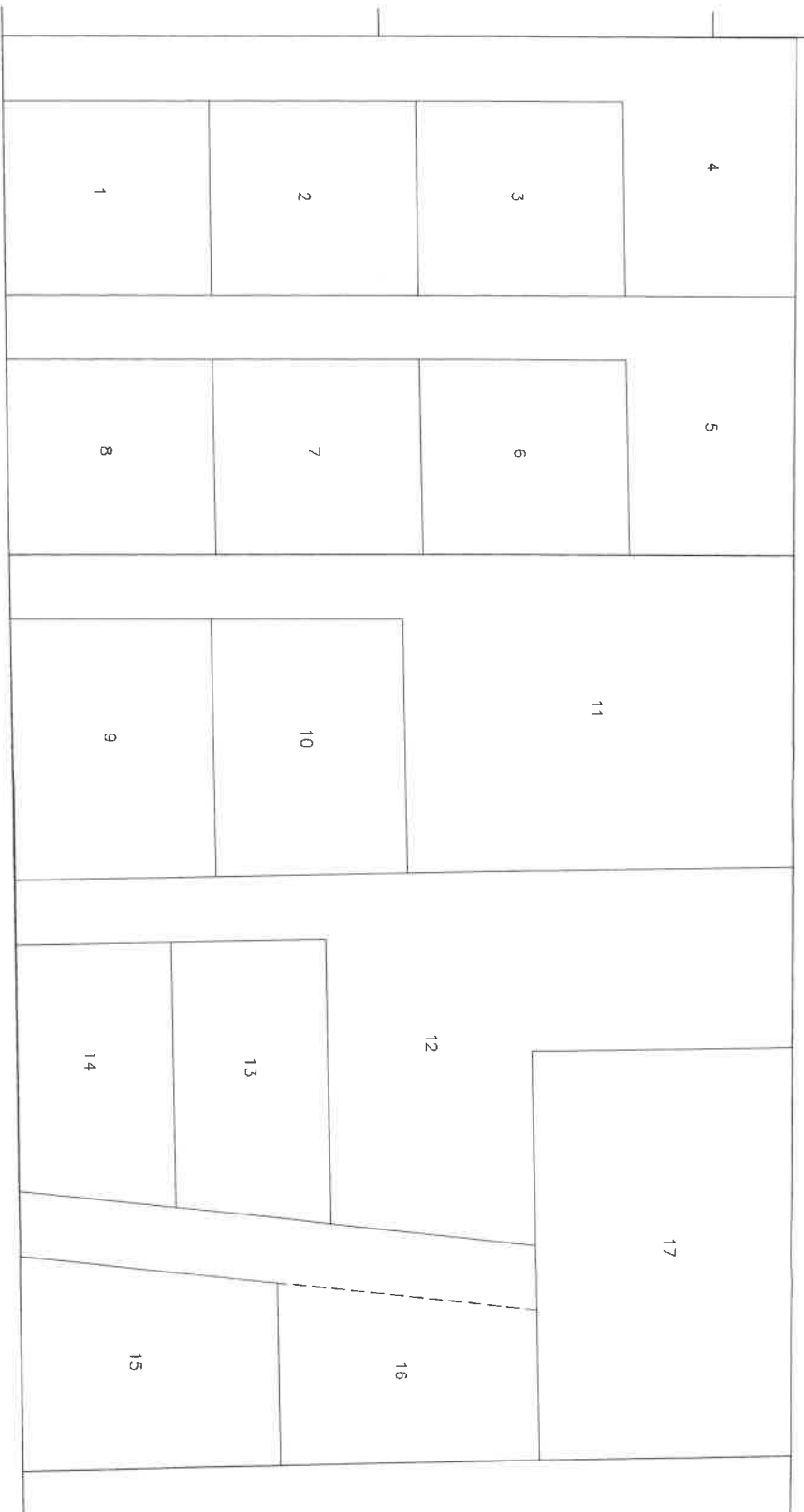
ZONING MAP  
T25S R5W SEC 19

HALEY; GRUESBECK,  
HALEY & ROBINSON



1

FIR GROVE LN PROPOSED LOT LAYOUT EXHIBIT



FIR GROVE LN 50 FT RIGHT-OF-WAY

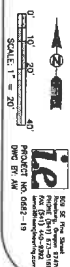




FIGURE 2.6.

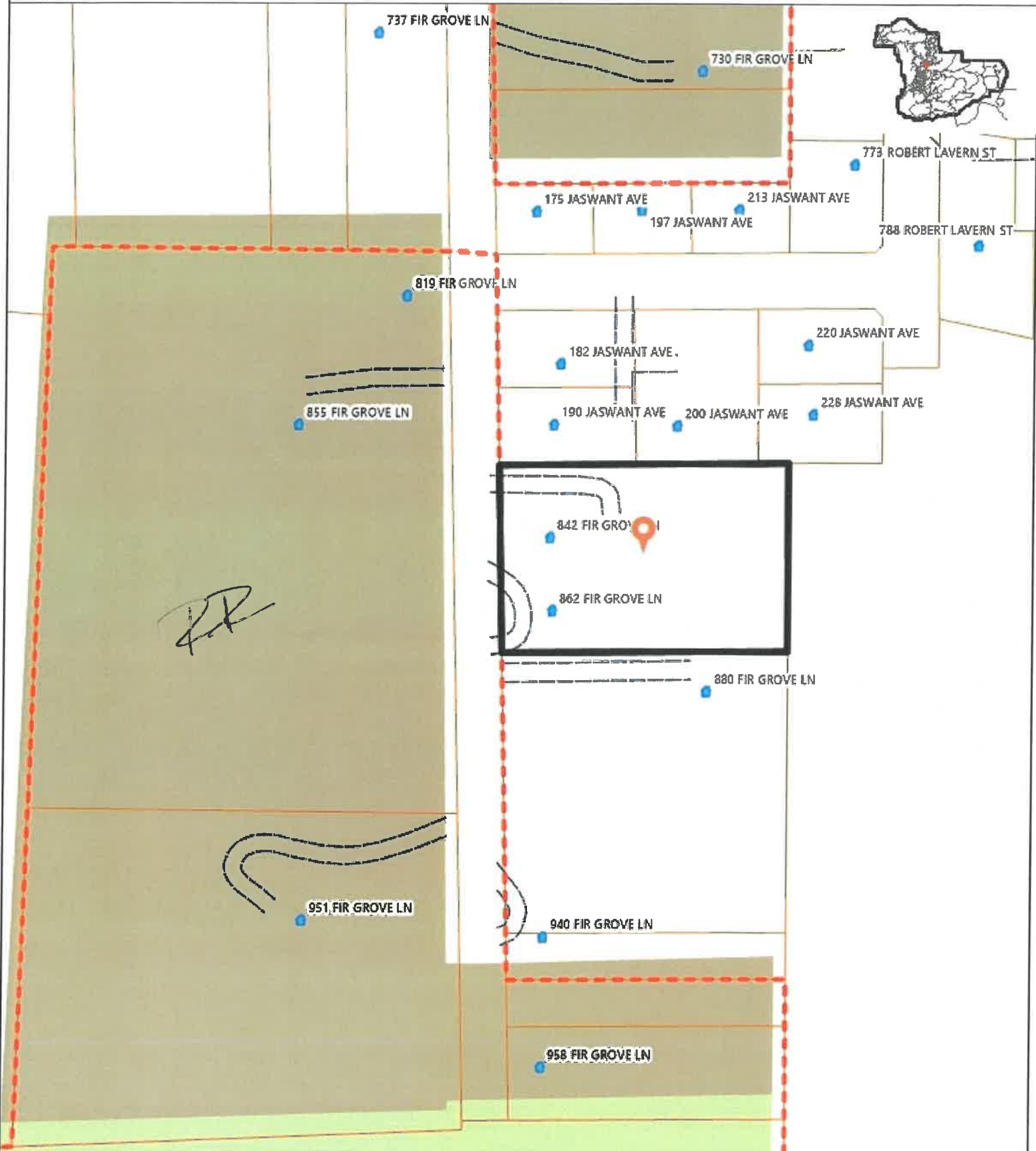


Douglas County Planning Department

Type of Map

TRS

Map Title



376.2 0 188.08 376.2 Feet

1: 2,257

WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere  
THIS MAP IS NOT TO BE USED FOR NAVIGATION  
© Latitude Geographics Group Ltd.

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.



Notes

County Zoning is RR

consistent with all applicable Statewide Planning Goals. Consequently, no goal exceptions are proposed.

## **II. COMPLIANCE WITH THE STATEWIDE PLANNING GOALS**

### **Plan Amendment Criteria No. 1 - Conformity with Statewide Planning Goals.**

The Statewide Planning Goals have been acknowledged as being applicable to the City of Sutherlin Comprehensive Plan. A proposal to amend the Comprehensive Plan and Zone must comply with all applicable Statewide Planning Goals unless an exception to one or more of the goals is proposed. There is no exception being proposed as part of this application. The City of Sutherlin must make a finding that Applicant's proposal complies with each of the relevant goals. The following information regarding the Statewide Planning Goals shows how this request complies with them.

#### **Goal No. 1 - Citizen Involvement**

*To ensure the opportunity for citizen involvement in all phases of the planning process.*

The City of Sutherlin will provide written notice of the requested plan amendment and zone change to surrounding property owners within 100 feet of the subject property and will cause public notice of the request and public hearing to be published in the local newspaper at least ten days prior to the first evidentiary hearing. These various forms of individual and public notice assure that local citizens have an opportunity to become informed about, and participate in, the public hearing process. The requested plan amendment and zone change are being processed in a manner that assures full compliance with Statewide Goal No. 1.

#### **Goal No. 2 - Land Use Planning**

*To establish a land use planning process and policy framework as a basis for all decisions and actions related to the use of land and to assure an adequate factual base for such decisions and actions.*

The City of Sutherlin has established policies and procedures which require a detailed evaluation

of proposals to amend its Comprehensive Plan. Specific criteria and standards have been set forth against which Applicant's amendment request must be evaluated in light of relevant Findings of Fact. The City's ultimate decision in this matter will be based on the weight of those relevant findings. The requested plan amendment and zone change are being evaluated in a manner that assures full compliance with Statewide Goal No. 2.

### **Goal No. 3 - Agricultural Lands**

*To preserve and maintain agricultural lands.*

There has previously been a legislative determination by the City of Sutherlin via adoption of the Sutherlin Urban Area Comprehensive Plan that the subject property is not agricultural land. This finding is validated by the fact that the site is irrevocably committed to urban use because the site is within the Sutherlin city limits and urban growth boundary and has been given an urban land use designation. The Statewide Agricultural Goal is not applicable to this proposed Comprehensive.

### **Goal 4 - Forest Lands**

*To preserve forest lands for forest use.*

There has previously been a legislative determination by the City of Sutherlin via adoption of the Comprehensive Plan that the subject property is not forest land. This finding is validated by the fact that the site is irrevocably committed to urban use, and by the fact that the site is within the Sutherlin city limits and urban growth boundary with an urban land use designation. Statewide Goal No. 4 is not applicable to this proposed plan amendment and zone change.

### **Goal No. 5 - Open Space, Scenic and Historic Areas, and Natural Resources**

*To conserve open space and protect natural and scenic resources.*

Goal 5 addresses a variety of resources not specifically covered by other statewide planning goals and sets out a process requiring inventory and evaluation of potential resources. Steps in

the process require that the level of significance of potential resources be determined, and if an identified resource appears to be significant, further evaluation is required. Such evaluation may lead to alternative courses of action, including fully protecting the identified resource.

Goal 5 addresses the following resources:

1. Open space.
2. Mineral and aggregate resources.
3. Energy resources.
4. Fish and wildlife areas and habitats.
5. Ecologically and scientifically significant resources.
6. Outstanding scenic views and sites.
7. Water areas, wetlands, watersheds and groundwater resources.
8. Wilderness areas.
9. Historic areas, sites, structures and objects.
10. Cultural areas.
11. Oregon recreational trails.
12. Wild and scenic waterways.

All of the lands within and surrounding the city limits and urban growth boundary, including the lands within the subject site, have previously been subjected to extensive surveys intended to inventory and evaluate all Goal 5 resources. These inventories, which are incorporated into both Sutherlin Urban Area Comprehensive Plan and the Douglas County Comprehensive Plan, have previously received acknowledgment of compliance with Statewide Goal 5. The subject property has not been included in any inventory of needed open space or scenic areas as defined by Goal 5, nor has it been identified in the Comprehensive Plan as having any historic, cultural or natural resources which need to be preserved and/or protected. This previous determination has been reviewed and accepted by the Oregon Department of Fish and Wildlife with respect to potential fish and wildlife habitat on the site, as well as by other state agencies having jurisdiction over other natural resources that might exist on the site. Nevertheless, Applicant has conducted an independent evaluation of the potential impact of the proposed Plan amendment on Goal 5

resources and propose the following findings:

**A. Land Needed or Desirable for Open Space**

The need or desirability of the subject site for use as open space land was adequately addressed prior to its inclusion in the city. There was a legislation determination at that time that the property contains no special topographic, vegetative, or other natural features which would make it needed or desirable for open space use.

**B. Mineral and Aggregate Resources**

No known mineral or aggregate resources have been identified on or in the vicinity of the subject site.

**C. Energy Sources**

Goal 5 energy resources refers to sites and resources for the generation of energy (i.e. natural gas, oil, coal, hydroelectric, geothermal, uranium, and solar). No known energy sources have been identified on or in the vicinity of the subject property. The property does have solar access, but no more so than most other land in the urban area.

**D. Fish and Wildlife Areas and Habitat**

The subject site is not located near any streams identified as a scenic, recreational and natural resource of the Sutherlin area by the Comprehensive Plan. There are no scenic, recreational or natural resources that require protection.

**E. Ecologically and Scientifically Significant Natural Areas**

No identified ecologically or scientifically significant natural areas are present on or in the vicinity of the subject site.

**F. Outstanding Scenic Views and Sites**

No identified scenic views or sites exist on the subject property. As noted under Open Space, above, the site has so much in common with many other locations in the general area that its

scenic value is not considered unique or significant. The property possesses no prominent topographic features or vegetation which would otherwise give it scenic significance.

#### G. Water Areas, Wetlands, Watersheds, and Groundwater Resources

The subject property contains no inventoried water areas, watersheds or identified groundwater resources that have been determined through the plan process to be needed and or protected for their resource values.

The U. S. Fish and Wildlife Service has completed mapping of wetlands in the City of Sutherlin under the National Wetlands Inventory (NWI) program. The NWI mapping indicates that there may be a narrow corridor of mapped wetlands on the subject property. Any jurisdictional wetland will be avoided or mitigated at the time of development in coordination with the city and the Oregon Division of State Lands. A copy of the NWI map is included in this document (Figure 3). The Federal Flood Insurance Rate Map for the area shows that the elevation of the property puts it outside any identified 100 year flood plain area (see Goal 7 for discussion).

#### H. Wilderness Areas

The subject site is not within, adjacent to, or part of, a designated wilderness area.

#### I. Historic Areas, Sites, Structures, and Objects

There are no identified or inventoried historic structures or objects on, or adjacent to, the subject property.

#### J. Cultural Areas

There are no identified or inventoried archaeological or cultural resources on the subject site.

#### K. Potential and Approved Oregon Recreation Trails

There are no designated or planned recreational trails on or adjacent to the subject site.

#### L. Wild and Scenic Waterways

The site is not within any designated or planned wild and scenic waterway, nor has such a





U.S. Fish and Wildlife Service

## National Wetlands Inventory

## FIGURE 3 FIR GROVE LN



April 3, 2023

### Wetlands

- |  |                                   |  |          |
|--|-----------------------------------|--|----------|
|  | Freshwater Emergent Wetland       |  | Lake     |
|  | Freshwater Forested/Shrub Wetland |  | Other    |
|  | Freshwater Pond                   |  | Riverine |
|  | Estuarine and Marine Deepwater    |  |          |
|  | Estuarine and Marine Wetland      |  |          |

This map is for general reference only. The U.S. Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

designation been given to other lands or resources in the general vicinity of the subject property.

The subject property has not been included in any inventory of needed open space or scenic areas, nor has it been identified in the Comprehensive Plan as having any historic or cultural resources which need to be preserved and/or protected. Further, the property will be developed to protect any significant natural resources in accordance with the provisions of the Comprehensive Plan. Based on the foregoing findings, the requested plan amendment and zone change will not conflict with any identified Goal 5 resources.

### **Goal No. 6 - Air, Water and Land Resources Quality**

*To maintain and improve the quality of the air, water and land resources of the state.*

Statewide Goal 6 requires that air, land and water resources of the state be maintained and improved by assuring that future development, in conjunction with existing development, does not violate applicable state and federal environmental quality standards, and does not exceed the carrying capacity of local air sheds, degrade land resources or threaten the availability of such resources. There has been a previous legislative determination by the City of Sutherlin that development of the subject property with urban uses will not result in degradation of air, water and land resources within the Sutherlin urban area or the state of Oregon. The subject property is situated in an area where the full range of urban services is available, including public water, public sewer and storm drainage systems (either above or in ground). Furthermore, the City of Sutherlin has sufficient regulatory measures in place to ensure that subsequent development of the site with urban uses will not result in deleterious or unanticipated impacts on the air, water and land resources of the urban area. The requested amendment is being evaluated in a manner that assures compliance with Statewide Goal No. 6.

### **Goal No. 7 - Areas Subject to Natural Disasters and Hazards**

*To protect life and property from natural disasters and hazards.*



The subject property has not been identified in any inventory of areas which have the likely potential to be subjected to natural disasters and hazards. The elevation of the site puts it well above any identified flood plain and any danger of flooding. The property proposed for amendment is generally flat or gently sloping on its northern portion increasing in slope to and through its south boundary. The land is similar in topography to adjoining and nearby properties that are already planned and zoned for the similar uses as contemplated by Applicant.

The City of Sutherlin has adopted specific review and development standards for all properties within the city to ensure that their development and use does not pose a hazard to life and property. Any subsequent development of the subject property will be subject to such review and will be required to fully comply with all applicable development regulations. The requested amendment will not conflict with the purpose and intent of Statewide Goal No. 7.

### **Goal No. 8 - Recreational Needs**

*To satisfy the recreational needs of the citizens of the state.*

There has been a previous legislative determination by the City of Sutherlin through its comprehensive planning process that the subject property is not needed for recreational facilities or opportunities. Identified recreational needs have been provided for on other sites within the Sutherlin urban area. The proposed amendment will not conflict Statewide Goal No. 8.

### **Goal No. 9 - Economy of the State**

*To diversify and improve the economy of the state.*

The Statewide Economic Development Goal is intended to be applied on an urban area-wide basis and requires that future economic growth be accommodated, in part, by ensuring that there is sufficient suitable land planned and zoned for commercial and industrial uses. Goal 9 specifically requires that local land use plans “provide for at least an adequate supply of sites of suitable sizes, types, locations, and service levels for a variety of industrial and commercial uses consistent with plan policies.”

Commercial and industrial zoning have been applied to lands containing existing commercial and industrial uses, as well as to an appropriate amount of undeveloped land that is intended to accommodate future commercial and industrial development within the Sutherlin urban area. The Sutherlin Urban Area Comprehensive Plan contains specific policies to ensure that opportunities for economic development are enhanced in the Sutherlin urban area. The subject property is already designated for residential uses and Applicant's request will not impact the current inventory of commercial or industrial lands in the city. The proposed plan amendment will not conflict with the Statewide Economic Development Goal.

### **Goal No. 10 - Housing**

*To provide for the housing needs of the citizens of the state.*

The primary purpose of Goal 10, within the context of amending the Comprehensive Plan, is to ensure that sufficient buildable land is available to allow for the full range of housing needs within the urban area and to avoid creating shortages of residential land which could artificially restrict market choices in housing type, price range or location. The subject property is currently planned Residential Hillside and is zoned RH. The current plan designation for area proposed for amendment allows up to 3.63 dwelling units per acre under its current plan designation. Applicant is requesting the RM plan which provides for up to 14.52 dwelling units per acre. The proposed plan amendment and zone change, and subsequent development of the site with duplex or multiple family units will enhance the present inventory of developable residential land, and will, therefore, increase potential future opportunities to provide additional higher-density housing.

On the basis of the foregoing facts and analysis, the increase in the allowed residential density of the subject parcel from the present inventory of available residential land will increase housing opportunities in the urban area. The proposed plan amendment and zone change is consistent with and will promote both purpose and intent of the Statewide Housing Goal.

## **Goal No. 11 - Public Facilities and Service**

*To plan and develop a timely, orderly and efficient arrangement of public facilities and services to serve as a framework for urban development.*

Public facilities and services within the Sutherlin urban area are provided by the City of Sutherlin, Douglas County and several special districts. Policies concerning the coordination, timing and location of public facilities and services in the urban area are contained within the Public Facilities and Land Use Elements of the Comprehensive Plan. Specific measures intended to implement these policies are contained in various inter-governmental agreements, including the Sutherlin/Douglas County Urban Growth Management Agreement.

Properties within the urban area receive sewer service from the City of Sutherlin. The City maintains an existing 8-inch sewer main that runs along Jaswant Avenue just north of the property. Applicant has consulted with the City regarding the of sanitary sewer service from the proposed extension of the existing main to the subject property for the type of development contemplated. The City indicates that sewer service is available to the subject property with the cost of extending new service into the site being Applicant's responsibility.

Water service to the subject site is provided by the City of Sutherlin via an existing 8-inch main in Jaswant Avenue. Applicant will extend water service to the subject property at the time of development and will coordinate water improvements with the City of Sutherlin to assure proper location for installing a service line sufficient to serve the contemplated residential development.

The existing facilities are sized to provide the property with a supply of water that is adequate for anticipated residential service and for fire protection. Fire protection service is provided by the City of Sutherlin Fire Department. An existing fire hydrant is located on Jaswant Avenue just north of Applicant's property. A new hydrant will be required in proximity to the subject property at the time of development. Police services in the area are provided by the City of Sutherlin Police Department. Street maintenance, storm drainage and street lighting in the area are also provided by the City of Sutherlin. The design and installation of onsite storm drainage

facilities, if required, will be the responsibility of Applicant at the time of development. Plans for the installation of these and any other on-site and off-site facilities will be subject to review and approval of the City of Sutherlin and any other agency having jurisdiction over public facilities and services in the area.

On the basis of the foregoing facts, the requested plan amendment and zone change will not adversely impact the present or future provision of public facilities and services in the area. The full range of urban services appropriate for the subject property's proposed residential designation is available and can be provided in a timely, orderly and efficient manner consistent with the purpose and intent of Statewide Goal No. 11.

This conclusion is based on consideration of the existing public service delivery systems and plans that are in place in the area to ensure coordination of the types, locations and delivery of the public facilities and services needed to support existing and proposed land uses in the area.

## **Goal No. 12 - Transportation**

*To provide and encourage a safe, convenient and economic transportation system.*

Specific transportation-related policies and development standards are included within Sutherlin's Comprehensive Plan and land use ordinances. The applicable development standards assure that the intent of the statewide transportation goal is implemented through the application of local transportation standards at the time of development. The intent of Statewide Goal 12 is also implemented on a site-specific basis by the Transportation Planning Rule (TPR) as set out under Oregon Administrative Rules, Chapter 660, Division 12. OAR 660-12-060(1) requires that "*Amendments to functional plans, acknowledged comprehensive plans, and land use regulations which significantly affect a transportation facility shall assure that allowed land uses are consistent with the identified function, capacity, and performance standards (e.g. level of service, volume to capacity ratio, etc.) of the facility*".

In order to determine whether a proposed Comprehensive Plan amendment will significantly affect a transportation facility, the TPR establishes a set of specific criteria against which the proposed amendment is to be evaluated. The TPR states that *"a plan or land use regulation amendment significantly affects a transportation facility if it:*

- a) Changes the functional classification of an existing or planned transportation facility;*
- b) Changes standards implementing a functional classification system;*
- c) Allows types or levels of land uses which would result in levels of travel or access which are inconsistent with the functional classification of a transportation facility;*  
*or*
- d) Would reduce the performance standards of the facility below the minimum acceptable level identified in the TSP.*

The subject property has frontage along Fir Grove Lane which is improved to a gravel surface with no curbs, gutters or sidewalks. Estimates of the average number of daily vehicle trips generated by a specific land use can be obtained from a number of reliable sources. One of the commonly referenced source for such data is Trip Generation, published by the Institute of Transportation Engineers (ITE). Average daily trip generation rates published by ITE are based primarily on field data obtained from direct observation of actual land use activities. Trip generation rates are reported as an average of vehicle counts taken at numerous sites having the same classification of land use. Trip generation rates are often broken down into specific time frames, such as "Average Daily Trips (ADT)", "Average Peak Hour Trips", and "AM and PM Peak Hour Trips". For most land use activities, including both multi-family residential and duplexes uses, ITE defines an "average daily trip" as a one-way vehicular movement between a single origin and a single destination.

Applicant's proposed zone change from RH to R2 on the subject site will facilitate construction of additional residential housing units as set forth on the conceptual site plan included in this application considering the existing dwelling potential in comparison to the future potential

under the proposed plan and zone. The subject site proposed for amendment will accommodate up to eight additional residential units considering site conditions and limitations. (See Figure 1)

Comparison of the trip generation of the proposed housing under the proposed R2 zoning with potential uses under the current RH zoning demonstrates a slight increase in the potential traffic impacts on the area road system. Based on the ITE numbers, there will be an increase of 77 ADT on the area road system from what is currently possible under the current RH zoning. Access connections along Fir Grove Lane, Jaswant Avenue and Duke Road, which are classified Local Streets and a Collector Street, respectively, will be limited as directed by the City of Sutherlin and considered in the traffic analysis completed by Applicant's engineer (See Attachment C – Traffic Assessment/Access - i.e. Engineering letter)

At the present time, public roads in the area are adequate to accommodate both existing traffic and potential future traffic volumes likely to be generated as a consequence of the requested plan amendment and zone change. No special traffic controls or other mitigation measures will be required due to the relatively low volume of traffic associated with the requested plan amendment and zone change until development of the subject property.

Based on the functional classification and existing service levels of adjacent and nearby transportation facilities, the proposed plan amendment and zone change will be consistent with the identified function, capacity, and level of service of those facilities. Nevertheless, specific transportation-related policies and development standards are included with the City of Sutherlin Comprehensive Plan, as well as the City's zoning code to ensure that the statewide transportation goal is implemented on a site-specific basis at the time of development.

It is Applicant's intent to develop the subject property in full compliance with all applicable transportation-related policies and development standards. The proposed plan amendment and zone change will not conflict with the Statewide Transportation Goal. Compliance with the intent of Goal 12 will be assured through the application of specific local policies and standards at the

time specific development plans for the subject property are formulated and submitted for review and approval.

Applicant's proposal, considering that there will be limited increase in potential traffic levels as a result of the proposed amendment, will not result in a change in the functional classification of existing or planned transportation facilities serving the area, nor will it result in changes to any existing development standards or alter the functional classification of existing or planned transportation facilities. Neither will it allow types or levels of land uses which would result in levels of travel or access which are inconsistent with the functional classification of near-by transportation facilities, or otherwise reduce the level of service of existing and planned transportation facilities below minimum acceptable levels. Applicant's proposal is consistent with Goal 12.

### **Goal No. 13 - Energy Conservation**

*To conserve energy.*

The statewide energy conservation goal is intended to assure that land and uses developed on land are managed and controlled to maximize the conservation of all forms of energy, based upon sound economic principles. The subject property is situated within the established urban area where its subsequent development will promote the efficient energy-related use of existing and planned transportation facilities. Major public facilities and services are immediately adjacent to the site, thus reducing the energy-related inefficiencies associated with extending such services beyond existing urban development. Furthermore, specific energy conservation policies and development standards are included within the Sutherlin Urban Area Comprehensive Plan and the City's zoning code to ensure that the statewide energy conservation goal is implemented on a site-specific basis at the time the property is developed. The proposed plan amendment and zone change will not conflict with the Statewide Energy Conservation Goal.

## **Goal No. 14 - Urbanization**

*To provide for an orderly and efficient transition from rural to urban land use.*

The statewide urbanization goal provides the standards and procedures for establishing or expanding the Sutherlin Urban Growth Boundary (UGB). The urbanization goal requires that land within the UGB "...shall be considered available over time for urban uses." As previously noted, the subject property is located within both the Sutherlin city limits and UGB. Inclusion of the property within the UGB and city limits demonstrates the City's legislative intent to allow urban development to occur on the site. The proposed plan amendment and zone change will have no effect on the present status of the UGB of Sutherlin, nor will it otherwise conflict with the purpose and intent of the statewide urbanization goal.

Based on the foregoing findings, the proposed plan amendment and zone change conform to all applicable statewide planning goals.

## **III. COMPLIANCE WITH CITY OF SUTHERLIN COMPREHENSIVE PLAN POLICIES FOR COMPREHENSIVE PLAN AMENDMENTS**

### **Plan Amendment Criteria No. 2 – Conformance With The Comprehensive Plan**

The Sutherlin Urban Area Comprehensive Plan contains policy statements which are intended to provide the City with direction when considering a proposal to amend the Plan. Written policies that are applicable to the proposed plan amendment and zone change are contained in various elements of the Plan document, including the Natural Resources Element, the Public Facilities Element, the Housing Element, the Transportation Element, and the Land Use Element. The following proposed findings address each of the Plan policies that are applicable to this plan amendment and zone change request:

### **HOUSING POLICIES**

#### **B. GOAL....**

##### **Housing Policy No. 2**

*Encourage innovative designs for various types of multi-family housing in order to meet the*



*diverse needs of smaller households such as those of the elderlry and young families.*

C. GOAL....

Housing Policy No. 1

*Encourage infilling of the existing residential areas by incentives for new construction in already-serviced areas.*

The subject property is situated on the east side of Fir Grove Lane in west Sutherlin. The site is flat to gently sloped with scattered vegetative and tree cover on the property. As previously mentioned, all the properties to the north and east are within the city limits of Sutherlin and the lands south and west are outside of the city boundaries. Properties lying north and east are zoned R1 and are developed with single family dwellings. The lands to the east are undeveloped. The properties to the south and west are designated and zoned Rural Residential 2 Acre (RR) and contain single family dwellings.

The proposed amendment will promote efficient development of the property by using the existing public access, facilities and services that already exist in the area. The proposed use of the property for increased density residential housing is consistent with the established uses on the surrounding properties and the character of other existing urban residential uses. Public facilities, including sewer, water and storm drainage, are already in place and are adequate to serve the property. The site will be developed in a manner that fully conforms to the applicable development standards for residential uses, including access and internal circulation, signage, lighting, buffering and landscaping. Conceptual site development plans are submitted with this application for the future residential development. The site plan review process at the time of development will assure that the subject property will be developed in the manner represented by the plan amendment and zone change applications and will further assure that development of the site will fully comply with all applicable development standards.

**PUBLIC FACILITIES POLICIES**

A. GOAL....

Public Facilities and Services Policy No. 1

*The city shall ensure that appropriate support systems are installed prior to or concurrent with the development of a particular area. Costs of constructing water and sewer ties to new developments shall be borne by the developer.*

Public Facilities Policy No. 12

*The city shall provide sewer and water service to areas within the Urban Growth Boundary*

Public Facilities Policy No. 14

*Ensure that as new development occurs, public facilities and services to support the development are available or will be available within a reasonable time.*

C: GOAL....

Public Facilities and Services Policy No. 8

*Redevelopment of large lots and infilling and development of undersized lots will be encouraged where appropriate.*

The subject 2.43-acre parcel is situated on the west side of the Sutherlin urban area where a full range of public facilities and services are already in place and are adequate to accommodate the types of uses allowed by the proposed R2 zoning at a density greater than currently allowed. Properties within the urban area receive sewer service from the City of Sutherlin. The City maintains an existing 8-inch sewer main that are located in Jaswant Avenue just north of the subject property. The City has previously indicated that sanitary sewer service is available from the existing main to the area property for the type of residential development contemplated. Applicant understands that the cost of sewer improvements into the site will be paid by the developer.

Water service to the subject site is provided by the City of Sutherlin via an existing 8-inch main located in Jaswant Avenue just north of Applicant's property. The existing mainline will be extended on Fir Grove Lane to the subject property and will serve as the logical location for

installing new service lines to serve the contemplated residential development. The existing facilities are sized to provide the property with a supply of water that is adequate for both residential service and fire protection. Fire protection service is provided by the Sutherlin Fire Department. An existing fire hydrant is located in Jaswant Avenue near the subject site. Police services in the area are provided by the City of Sutherlin Police Department. Street maintenance, storm drainage and street lighting in the area are also provided by the City of Sutherlin. Applicant has prepared a drainage assessment to demonstrate consistency with the drainage requirements of the city. (See Attachment C – i.e. Engineering Drainage Letter) The design and installation of on-site storm drainage will be the responsibility of Applicant at the time of development. Plans for the installation of these and any other on-site and off-site improvements will be subject to review and approval from the City of Sutherlin and any other agency having jurisdiction over public facilities and services in the area.

It does not appear that additional public expenditures for service and facility extensions will be necessary to allow the development of the property. Any additional facility improvements necessary for Applicant's proposed development plan will be funded by the property owner.

It is important to note that development of vacant and/or underutilized urban parcels that can be readily served by existing public facilities and utilities supports the policy statements of the Comprehensive Plan.

On the basis of the foregoing findings, the requested plan amendment and zone change will not adversely impact the present or future provision of public facilities and services in the area. The full range of urban services appropriate for the subject property's proposed residential land use classification are available and can be provided in a timely, orderly and efficient manner consistent with the intent and purpose of Public Facilities Policies set out above.

#### **TRANSPORTATION POLICIES (set out in Public Facilities element)**

##### **B. GOAL....**

Transportation Development Policy No. 1

*Encourage the expansion of the street improvement program and also coordinate the program with the future street plan, and thus ensure that those streets that have been designated to carry high volumes of traffic (arterials and collectors) are in satisfactory and safe condition.*

Access to the subject property is from an existing connection to Fir Grove Lane. There are no internal streets in the proposed development. Fir Grove Lane is a dedicated public right-of-way that is maintained by the City of Sutherlin. The interior circulation plan for the proposed residential units will connect to the public street system at points of access to the property as directed by the City which connections will be improved in accordance with City design standards and requirements.

Current traffic volumes on the adjacent section of Fir Grove Lane, including peak hour volumes, are below the facility's design capacity as set under Goal 12 above. Other public streets in the area are also adequate to accommodate both existing and potential future traffic volumes likely to be generated as a consequence of the requested plan amendment and zone change. The proposed amendment will have limited additional traffic associated with it. Development of the subject site under the requested residential designation and zoning will not result in a significantly higher volume of traffic than would occur if the site were to be developed under its present designation and zoning. (See Attachment C)

The proposed plan amendment and zone change considering the current level of improvements for the area road system will not result in a change in the functional classification of existing or planned transportation facilities serving the area, nor will it result in changes to any existing development standards or alter the functional classification of existing or planned transportation facilities. Neither will it allow types or levels of land uses which would result in levels of travel or access which are inconsistent with the functional classification of near-by transportation facilities, or otherwise reduce the level of service of existing and planned transportation facilities below minimum acceptable levels.

Specific findings addressing the suitability of the subject site for the proposed plan and zone and the intended use are included in preceding sections of this supplemental application document.

Those earlier findings demonstrate that the subject site is well suited for Applicant's proposal with respect to the physical characteristics of the property, availability of necessary and appropriate public facilities and services, adequate access and accessibility to local transportation facilities, and compatibility with adjacent and nearby land use activities. The site is suitable for the proposed zone and its intended use.

#### **IV. COMPLIANCE WITH THE CITY OF SUTHERLIN ZONE CHANGE CRITERIA**

In addition to the criteria to be addressed when proposing an amendment to the Comprehensive Plan, the City of Sutherlin Development Code (SDC) also establishes criteria that must be considered when a change in zoning is proposed. The criteria for a zone change found in SDC at Section 4.8.110 require the Planning Commission to find:

- 1. Demonstration of compliance with all applicable comprehensive plan policies and map designations. Where this criterion cannot be met, a comprehensive plan amendment shall be a prerequisite to approval;*
- 2. Demonstration that the most intense uses and density that would be allowed, outright in the proposed zone, considering the sites characteristics, can be served through the orderly extension of urban facilities and services, including a demonstration of consistency with OAR 660-012-0060. The determination of consistency with OAR 660-012-0060 can be deferred to development review pursuant to 4.3.120 for those zone changes that are located within the approved interchange 136 IAMP area and do not require a comprehensive plan amendment; and*
- 3. Evidence of change in the neighborhood or community, or a mistake or inconsistency between the comprehensive plan or zoning district map regarding the subject property which warrants the amendment.*

The requested change in zoning from RH to R2 on the subject property is predicated on a

concurrent request to amend the Comprehensive Plan map relative to the zoning in question. The proposed amendment will allow construction of duplex units on the parcels under the applicable criteria set out immediately above as a permitted use under the R2 zone. If Applicant's plan amendment request is approved, the requested zone change will conform to the amended Comprehensive Plan. Findings demonstrating that the requested change in plan designation will conform to the Statewide Planning Goals and the applicable policies found throughout the Comprehensive Plan are included in preceding sections of this supplemental application document. The rezoning will also conform to the applicable sections of the Comprehensive Plan. Therefore, the remaining zone change criteria set out in 2. and 3. above do not apply to the requested change in zoning.

Based on the facts and findings set out above, the proposed plan amendment and zone change are consistent with the Statewide Planning Goals, the Oregon Administrative Rules and the Sutherlin Comprehensive Plan and Development Code. Applicant requests that the Planning Commission forward a recommendation of approval of this request to the Sutherlin City Council.

# ATTACHMENT A

## Exhibit A

A tract of land being LOTS 7 and 8 (Instrument Number 2005-11322, Deed Records of Douglas County) and LOTS 9 through 11 and a portion of LOT 12 (Instrument Number 2023-04273, Deed Records of Douglas County) of the plat of FIR GROVE TRACTS, Volume 9, Page 20, Douglas County Plat Records, located in the Southwest Quarter of Section 19, Township 25 South, Range 5 West, Willamette Meridian, Douglas County, Oregon, more particularly described as follows:

All of said LOTS 7 through 11.

TOGETHER WITH the North one-half of said LOT 12.

## ATTACHMENT B

---

August 4, 2023  
City of Sutherlin  
Community Development  
126 E. Central Avenue  
Sutherlin, Oregon 97479

RE: T.25S R.5W. W.M. Sect 19C Tax Lots 201, 300, & 400  
Zone Change Request  
Traffic Impact Memo

The purpose of this memo is to document to the City of Sutherlin the anticipated traffic impact of the proposed zone change at T.25S R.5W. W.M. Sect 19C Tax Lots 201, 300, & 400 will create as compared to the existing potential use of the parcels. A current assessor's plat and proposed lot layout is attached.

The existing zoning is RH Residential Hillside District. Using the Institute of Transportation Engineers (ITE) Trip Generation Manual 7<sup>th</sup> Edition, the existing Class Code for this land use is Single-Family Detached Housing, which corresponds Land Use 210. The definition for this Land Use Code is:

"Single-family detached housing includes all single-family detached homes on individual lots. A typical site surveyed is a suburban subdivision.

This specific Class Code generates 9.57 weekday trips per day/dwelling unit. The maximum development of the area described would result in 12 dwellings. Using this case code, the potential trip generation of the SR Single-Family Residential District was approximately 115 trips per day.

The proposed zoning is R2 Medium Density District. Again, using the Institute of Transportation Engineers (ITE) Trip Generation Manual 7<sup>th</sup> Addition, the proposed Class Code for this land use is Single-Family Detached Housing, which corresponds Land Use 210, as defined above.

This specific Class Code generates 9.57 weekday trips per day/dwelling unit. Considering topography and wetlands, the maximum number of dwellings is 20. 17 lots are proposed and 3 lots are sized to place duplexes. Using this case code, the proposed potential trip generation of the SR Single-Family Residential District was approximately 191 trips per day.



Therefore, the full development of the described land changing from RH to R2 use would result in an additional 8 dwellings. Using the appropriate class codes, the additional new trip generation for this area described above will be approximately 77 trips per day.

In Summary, the estimated net trip increase of 77 trips per day will be the result of this zone change. This land use action will not have a significant impact on Fir Grove Ln., nor will it have any significant impact on traffic patterns or circulation in the area.

If you have any comments or questions, please give me a call at 541-673-0166.

Sincerely,

A handwritten signature in black ink that reads "Derek M. Miller". The signature is written in a cursive, flowing style.

Derek M. Miller, P.E.

Project Engineer



civil  
structural  
surveying  
architecture  
planning

i.e. Engineering, Inc.  
809 SE Pine St.  
P.O. Box 1271  
Roseburg, OR 97470  
  
ieengineering.com  
541-673-0166

## *ATTACHMENT C*

---

August 4, 2023  
City of Sutherlin  
Community Development  
126 E. Central Avenue  
Sutherlin, Oregon 97479

RE: T.25S R.5W. W.M. Sect 19C Tax Lots 201, 300, & 400  
Zone Change Request  
Drainage Impact Memo

The purpose of this memo is to document to the City of Sutherlin the anticipated drainage impact of the proposed zone change at T.25S R.5W. W.M. Sect 19C Tax Lots 201, 300, & 400 will create as compared to the existing potential use of the parcels.

The existing zoning is RH Residential Hillside District. The maximum development of the area described would result in 12 dwellings.

Due to topography and wetlands, the proposed number of dwellings is less than the maximum development. 17 lots are proposed and 3 lots are sized to place duplexes. The actual development of the area described would result in 20 dwellings.

In respect to the topography and wetlands, the full development of the described parcels changing from RH to R2 use could result in an additional 8 dwellings.

The additional 8 dwellings could increase the storm water runoff by approximately 1.3 cfs. This increased runoff will be split due to topography. The majority of the runoff will be collected by the existing natural drainage in the back of the property. A smaller portion of the additional runoff will be collected by the future storm drainage to be designed and installed in the Fir Grove Lane storm improvements.

The natural drainage and the future Fir Grove Lane storm improvements will combine the storm runoff at the intersection of Jaswante Avenue & Robert Lavern St. The 30" existing storm pipe is more than adequate to handle an additional 1.3 CFS.

In Summary, the small increase in storm runoff will not adversely impact the neighbors or downstream storm drain systems. This land use action will not cause a significant impact due to storm runoff.

If you have any comments or questions, please give me a call at 541-673-0166.

Sincerely,

A handwritten signature in black ink, appearing to read "Derek M. Miller". The signature is written in a cursive, flowing style with some capitalization.

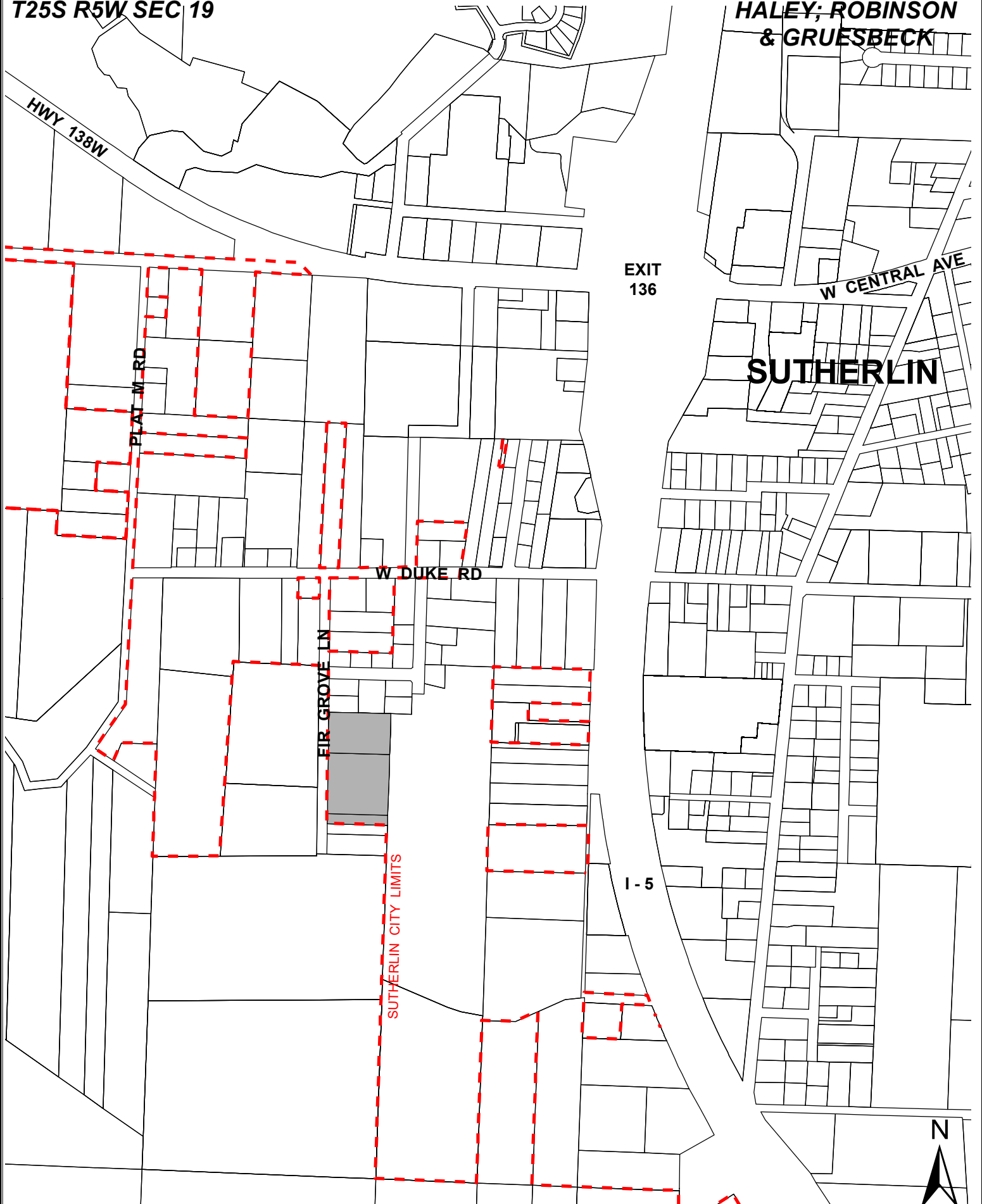
Derek M. Miller, P.E.

Project Engineer

VICINITY MAP  
T25S R5W SEC 19

STAFF EXHIBIT 7

23-S010  
HALEY; ROBINSON  
& GRUESBECK



EXIT  
136

SUTHERLIN

W DUKE RD

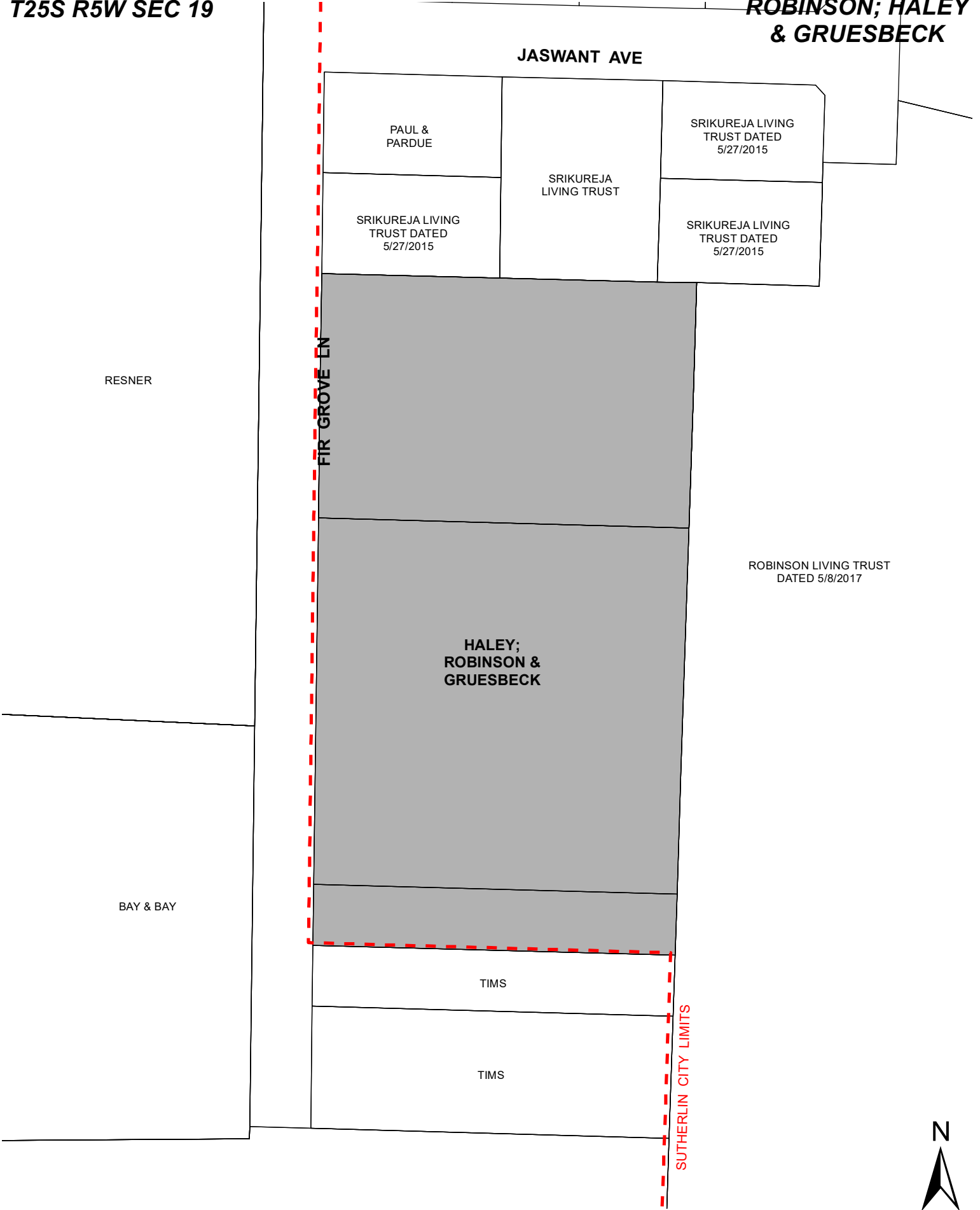
FIR GROVE LN

SUTHERLIN CITY LIMITS

I - 5

CITY OF SUTHERLIN



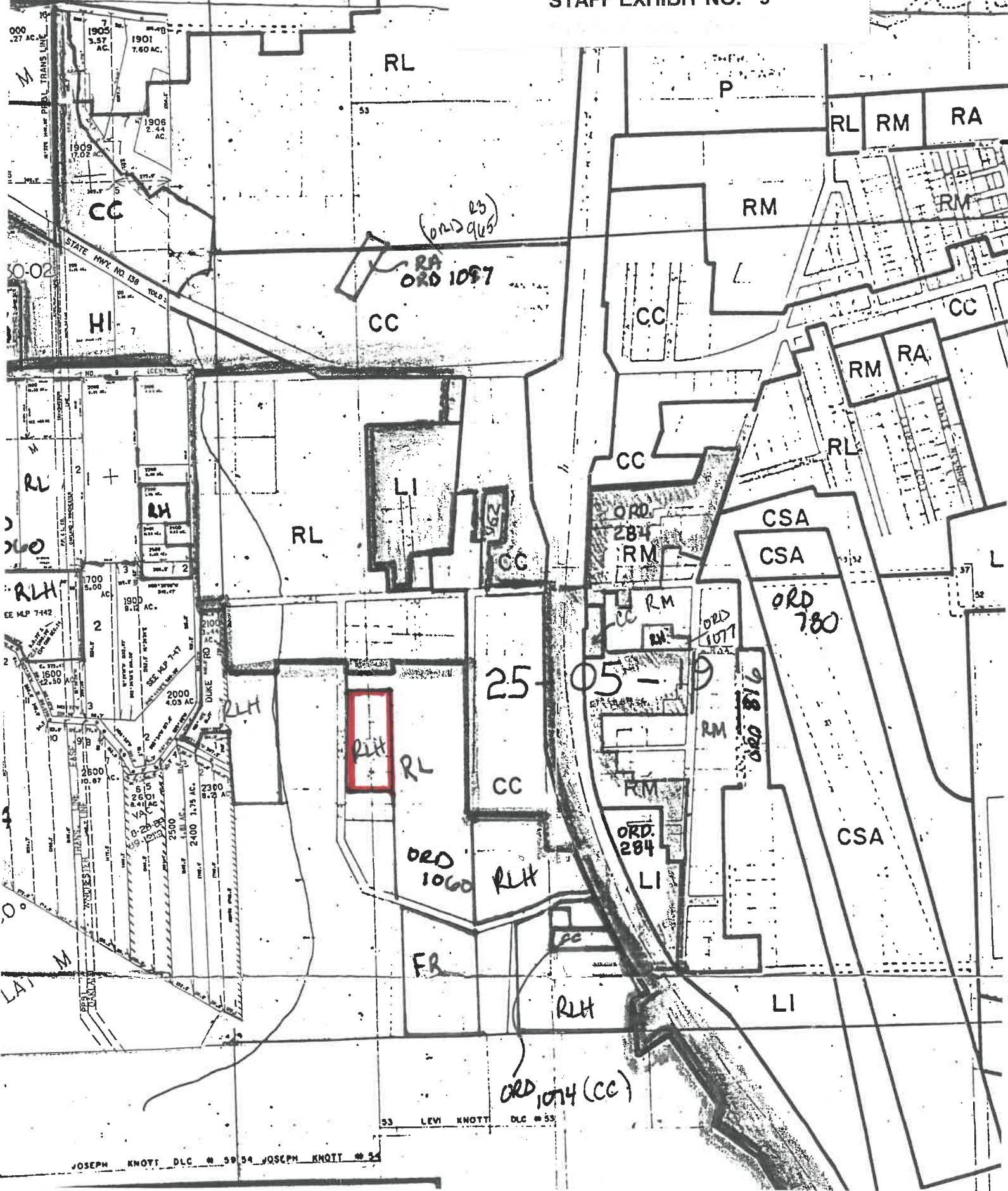


23-S010

RLH

RLH

STAFF EXHIBIT NO. 9



33 LEVI KNOTT DLG #33

JOSEPH KNOTT DLG # 30 34 JOSEPH KNOTT # 24

## PLAN DESIGNATIONS

### RESIDENTIAL

- RL Low Density
- RLH Low Density Hillside
- RM Medium Density
- RA High Density

### COMMERCIAL

- CBD Commercial Business District
- CC Commercial Community

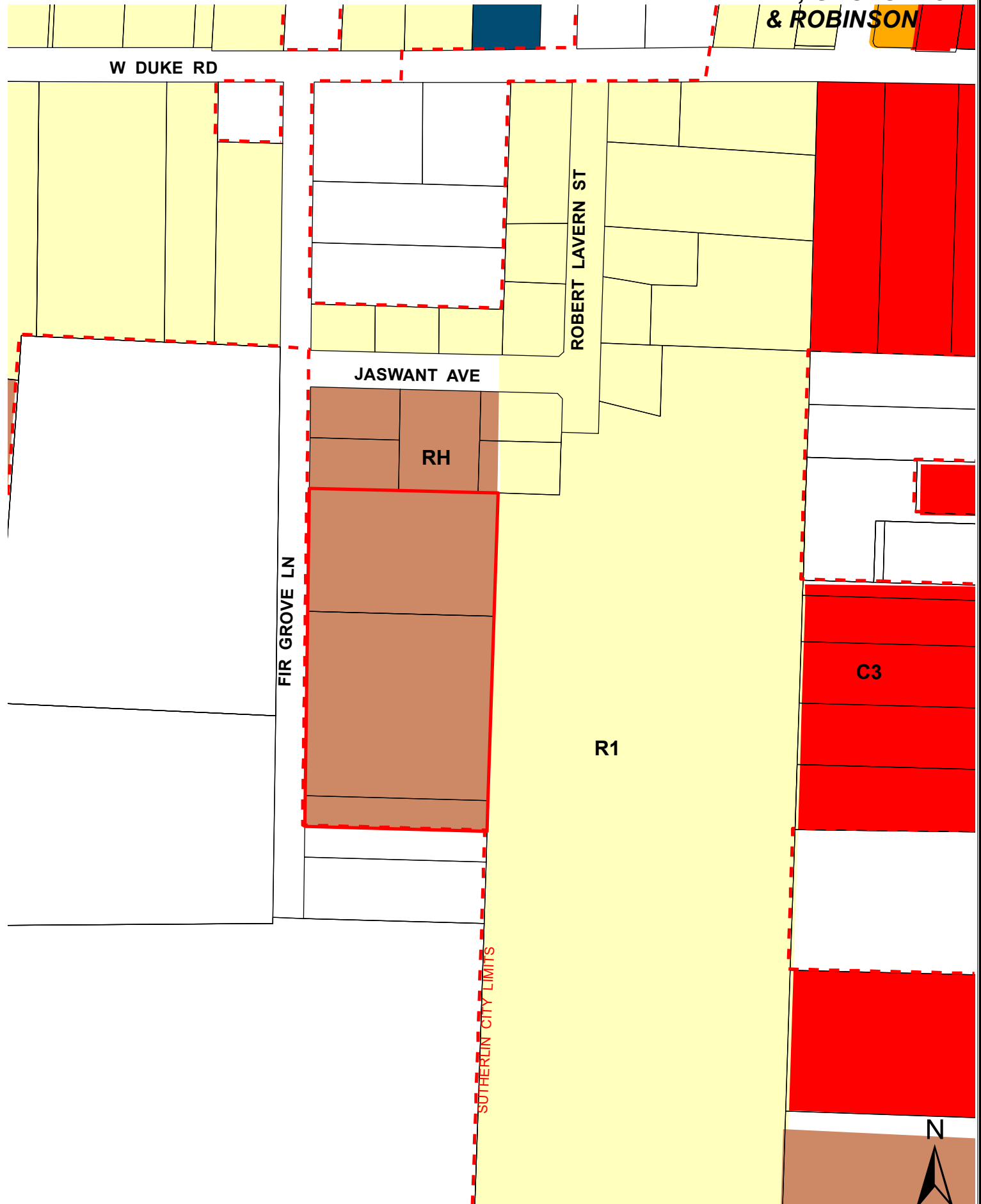
### INDUSTRIAL

- LI Light Industrial
- HI Heavy Industrial

### COMMUNITY

- CSA Community Service Airport
- P Public
- F Forestry

SP 28-30





**AERIAL MAP**  
**T25S R5W SEC 19**

**STAFF EXHIBIT 11**

**23-S010**  
**HALEY; GRUESBECK**  
**& ROBINSON**

JASWANT AVE

FIR GROVE LN







# City of Sutherlin

Community Development  
126 E. Central Avenue  
Sutherlin, OR 97479  
(541) 459-2856  
Fax (541) 459-9363  
[www.ci.sutherlin.or.us](http://www.ci.sutherlin.or.us)

## NOTICE OF PUBLIC HEARING SUBDIVISION – 0 SCARDI BLVD

Date of Notice: September 21, 2023

**NOTICE IS HEREBY GIVEN** that the Sutherlin Planning Commission will conduct a public hearing on **Tuesday, October 17, 2023 at 7:00 p.m.** in the Sutherlin Civic Auditorium, 175 E. Everett Street. The purpose of the public hearing is to take public testimony, either written or oral, while considering the following land use application:

**GOODFELLAS OF SUTHERLIN**, request for a Subdivision to be developed in three phases that total 91 lots on a 22.00± acre portion of the 193.11 acre subject property. The subject property is located north of Scardi Blvd in the City of Sutherlin. The subject property is described as Tax Lot 1500 in Section 7, and Tax Lot(s) 100 and 203 in Section 18, all in T25S, R5W, W.M; Property ID Nos. R20392; R21680 and R138405. It is designated Low Density and Low Density Hillside by the Sutherlin Comprehensive Plan and zoned (R-1) Low Density Residential and (RH) Residential Hillside. **PLANNING DEPARTMENT FILE NO. 23-S009.**

The applicant requested a subdivision under Section 4.4.130 of the Sutherlin Development Code. The application is being processed as a Type III procedure upon referral of the Community Development Director for a subdivision, and is governed by the applicable provisions of Chapter 2, Section 2.2 (R-1 and RH zone), Chapter 3 (Design Standards) and Chapter 4, Section 4.4 (Land Division) all of the Sutherlin Development Code. Pursuant to Sections 4.2.140.C of the Sutherlin Development Code, notice of this land use application has been mailed to affected agencies and all property owners of record within 100 feet of the subject property described above and property owners who have responded to the Type II notice of application. Owners of property within 100 feet, or any other person who can demonstrate that they are affected by the proposed land use action, may request party status in this matter by filing a written statement with the Sutherlin Community Development Department, or by appearing at the hearing and requesting party status. Written statements must contain the name, address and telephone number of the person filing the statement; how the person qualifies as a party; comments the party wishes to make concerning the application, and whether the person desires to appear and be heard at the hearing. Written statements must be filed with the Community Development Department, 126 E. Central Avenue, Sutherlin, Oregon, 97479, no later than 5:00 p.m. on October 9, 2023, to be included with the mailing of the staff report.

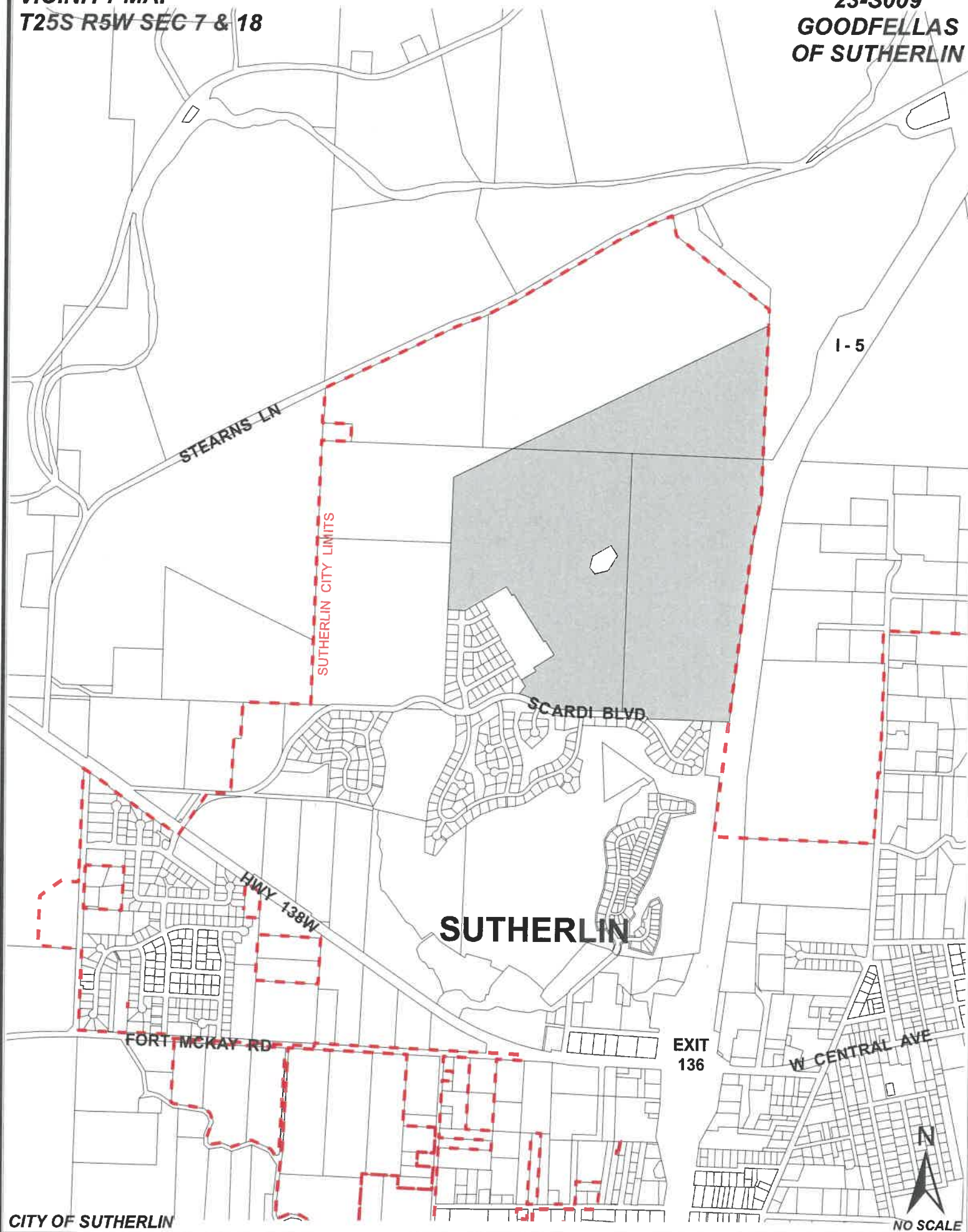
The public hearing will include presentations of the City staff and the applicant. Parties in support, opposition or with neutral comments will then be heard, as well as rebuttal by the applicant. Failure of an issue to be raised at the hearing, whether in writing or by oral testimony, or failure to provide statements or evidence in sufficient specificity to afford the Planning Commission and parties an opportunity to respond to the issue, will preclude an appeal on that issue and may thereafter bar any legal standing in the event of an appeal.

A copy of the application and supporting documents and evidence, and the applicable criteria are available for inspection at no cost and copies can be provided at reasonable cost. The staff report will be available for inspection at no cost at least seven days prior to the hearing and copies can be provided at reasonable cost.

For more information on this application, please contact Jamie Fugate in the Community Development Department at 541-459-2856 during normal business hours or by email at: [j.fugate@ci.sutherlin.or.us](mailto:j.fugate@ci.sutherlin.or.us)

**VICINITY MAP**  
**T25S R5W SEC 7 & 18**

**23-S009**  
**GOODFELLAS**  
**OF SUTHERLIN**



**CITY OF SUTHERLIN**

**EXIT**  
**136**



**NO SCALE**

**ASSESSOR MAP  
T25S R05W SEC 7 & 18**

**23-S009  
GOODFELLAS  
OF SUTHERLIN**

West Central  
Service Inc

Sutherlin  
Ventures LLC

West Central  
Service Inc

STEARNS LN

Sutherlin  
Ventures LLC

**GOODFELLAS  
OF SUTHERLIN, LLC**

I - 5

City of  
Sutherlin

Npo  
Properties LLC

City of  
Sutherlin

Galpin

City of  
Sutherlin

Freeman  
Gill Smith

Galpin

PEBBLE CREEK ST

Rose  
Reeves  
Merrill  
Covington

SCARDI BLVD

Kelley & Peery  
Lovemark Trust  
Dated 4/3/2023

The Knolls Estates  
Pud Owners' Inc  
Assoc of Oregon

Boehm Wilcox  
& Wilcox

Waechter  
Lee  
Dennis  
Treadaway Living  
Trust Dated 1/17/2023

The Knolls Estates  
Pud Owners' Assoc  
Inc of Oregon

The Knolls Estates  
Pud Owners' Assoc  
Inc of Oregon

Trowbridge  
Riley  
Drake  
Amavisca  
& Hyatt

SUTHERLIN CITY LIMITS

**CITY OF SUTHERLIN**





CALL BEFORE YOU DIG!  
 ONE CALL 800.332.3344  
 OR 952-001-0010 THROUGH  
 OR 952-001-0000

SCALE 1"=40'

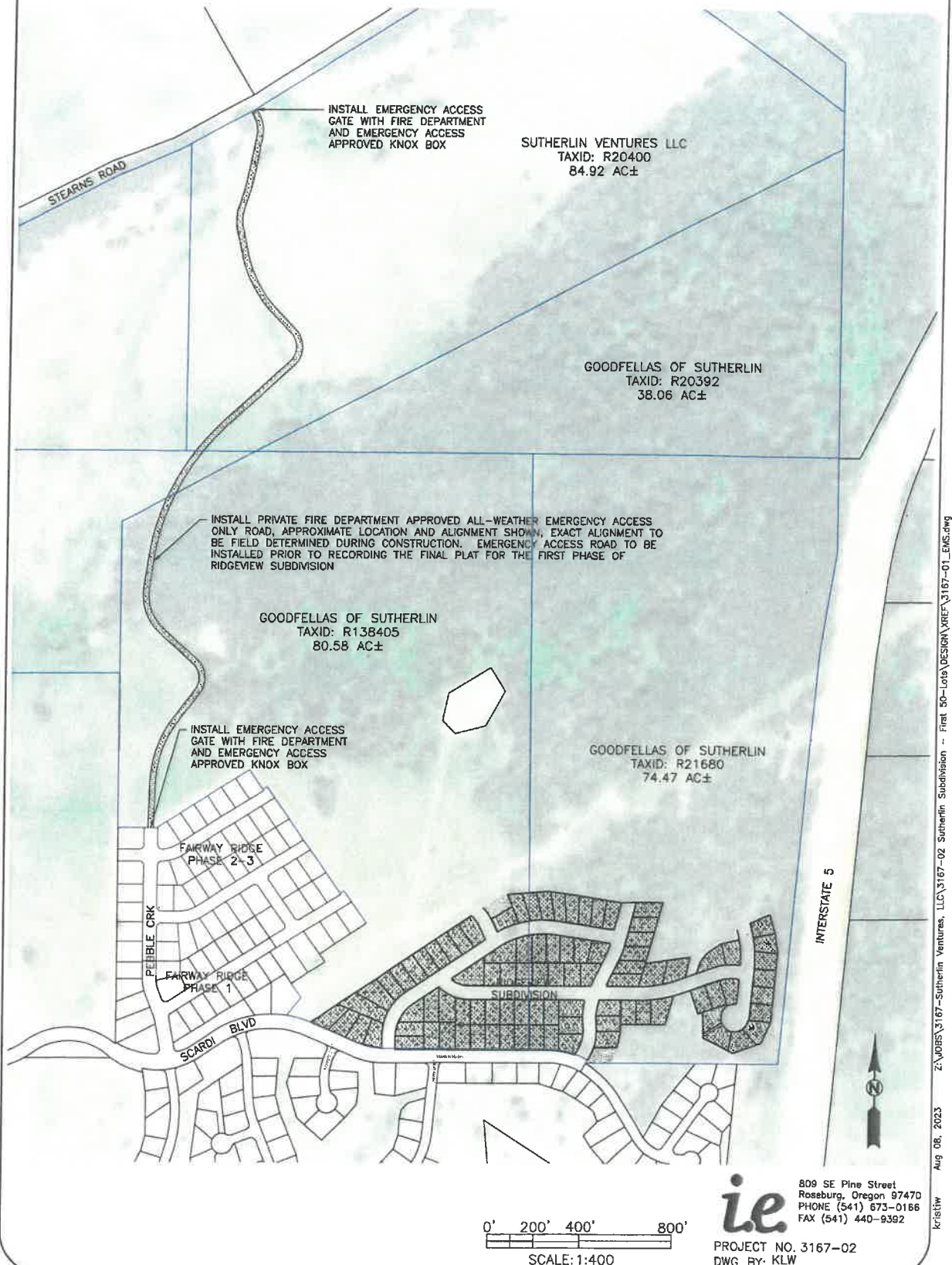
PHASE 1  
 PHASE 2  
 PHASE 3

CULVER LN  
 LANCELOT AVE  
 MILES CT  
 NICHOLSON AVE

62




# RIDGEVIEW SUBDIVISION PRELIMINARY EMS ACCESS EXHIBIT



**Affidavit of Publication**

***The News-Review***

Of Douglas County

Roseburg, Oregon

ISSUED DAILY EXCEPT MONDAY & SATURDAY

STATE OF OREGON

COUNTY OF DOUGLAS } ss.

I, LAURA STUDEBAKER, being first duly sworn, depose and say that I am the CLASSIFIEDS MANAGER, of The News-Review, a newspaper of general circulation, as defined by ORS 193.010 and 193.020; printed and published at Roseburg in the aforesaid county and state; that the

#92470 Legal Notice of #9030 NO. 23-S009\_PC

a printed copy of which is hereto annexed, was published in the entire issue of said newspaper for 1 successive and consecutive days in the following issue:

09/29/2023

The fee actually charged by such newspaper for such publication is \$254.32



Subscribed and sworn to before me this 28th day of September, 2023.



Notary Public of Oregon



NOTICE IS HEREBY GIVEN that the Sutherlin Planning Commission will conduct a public hearing on Tuesday, October 17, 2023 at 7:00 p.m. in the Sutherlin Civic Auditorium, 175 E. Everett Street. The purpose of the public hearing is to take public testimony, either written or oral, while considering the following land use application: GOODFELLAS OF SUTHERLIN, request for a Subdivision to be developed in three phases that total 91 lots on a 22.00± acre portion of the 193.11 acre subject property. The subject property is located north of Scardi Blvd in the City of Sutherlin. The subject property is described as Tax Lot 1500 in Section 7, and Tax Lot(s) 100 and 203 in Section 18, all in T25S, R5W, W.M; Property ID Nos. R20392; R21680 and R138405. It is designated Low Density and Low Density Hillside by the Sutherlin Comprehensive Plan and zoned (R-1) Low Density Residential and (RH) Residential Hillside. PLANNING DEPARTMENT FILE NO. 23-S009.

The applicant requested a subdivision under Section 4.4.130 of the Sutherlin Development Code. The application is being processed as a Type III procedure upon referral of the Community Development Director for a subdivision, and is governed by the applicable provisions of Chapter 2, Section 2.2 (R-1 and RH zone), Chapter 3 (Design Standards) and Chapter 4, Section 4.4 (Land Division) all of the Sutherlin Development Code. Pursuant to Sections 4.2.140.C of the Sutherlin Development Code, notice of this land use application has been mailed to affected agencies and all property owners of record within 100 feet of the subject property described above and property owners who have responded to the Type II notice of application. Owners of property within 100 feet, or any other person who can demonstrate that they are affected by the proposed land use action, may request party status in this matter by filing a written statement with the Sutherlin Community Development Department, or by appearing at the hearing and requesting party status. Written statements must contain the name, address and telephone number of the person filing the statement; how the person qualifies as a party; comments the party wishes to make concerning the application, and whether the person desires to appear and be heard at the hearing. Written statements must be filed with the Community Development Department, 126 E. Central Avenue, Sutherlin, Oregon, 97479, no later than 5:00 p.m. on October 9, 2023, to be included with the mailing of the staff report.

The public hearing will include presentations of the City staff and the applicant. Parties in support, opposition or with neutral comments will then be heard, as well as rebuttal by the applicant. Failure of an issue to be raised at the hearing, whether in writing or by oral testimony, or failure to provide statements or evidence in sufficient specificity to afford the Planning Commission and parties an opportunity to respond to the issue, will preclude an appeal on that issue and may thereafter bar any legal standing in the event of an appeal.

A copy of the applications, supporting documents and evidence, and the applicable criteria are available for inspection at no cost and copies can be provided at reasonable cost. The staff report will be available for inspection at no cost at least seven days prior to the hearing and copies can be provided at reasonable cost. For more information on this application, please contact the Community Development Department at 541-459-2856.

#9030 Pub. Dates: September 29, 2023

NPO PROPERTIES LLC  
223 WANDA DR  
ROSEBURG, OR 97471

SUTHERLIN VENTURES LLC  
2985 NW 144<sup>TH</sup> AVE  
BEAVERTON, OR 97006

WEST CENTRAL SERVICE INC  
2009 STEARNS LN  
OAKLAND, OR 97462

CITY OF SUTHERLIN  
126 E CENTRAL AVE  
SUTHERLIN, OR 97479

GILL, SHAUN & TASHA  
907 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

SMITH, DANIEL W. & TAMMY K.  
815 DURHAM AVE  
SUTHERLIN, OR 97479

FREEMAN, CAROL  
839 DURHAM AVE  
SUTHERLIN, OR 97479

GALPIN, C A  
744 CARDLEY AVE, STE 100  
MEDFORD, OR 97504

REEVES, CAROLYN  
880 SAND PINES AVE  
SUTHERLIN, OR 97479

ROSE, SANDRA  
PO BOX 484  
SUTHERLIN, OR 97479

COVINGTON, MARK & PATRCIA A.  
1627 QUAIL CIRCLE  
ROSEVILLE, CA 95661

MERRILL, ROBERT W. & VICKI  
PO BOX 1352  
SUTHERLIN, OR 97479

THE KNOLLS ESTATES PUD OWNERS'S  
ASSOC INC OF OREGON  
PO BOX 1498  
SUTHERLIN, OR 97479

BOEHM, CARTER & MARILYN  
1818 SCARDI BLVD  
SUTHERLIN, OR 97479

KELLEY, CAROL, WILCOX, DONALD &  
WILCOX, LYNN  
1789 CULVER LOOP  
SUTHERLIN, OR 97479

DENNIS, ROBERT J. & MARY  
1780 SCARDI BLVD  
SUTHERLIN, OR 97479

WAECHTER, JOSHUA & HEATHER  
1764 SCARDI BLVD  
SUTHERLIN, OR 97479

LEE, MIKE & JENNIFER  
1756 SCARDI BLVD  
SUTHERLIN, OR 97479

KELLEY, SHARON & PEERY, STEVEN  
1748 SCARDI BLVD  
SUTHELRLIN, OR 97479

TREADAWAY LIVING TRUST  
DATED 1/17/2023  
25332 WESTBORNE DR  
DANA POINT, CA 92629

LOVEMARK TRUST DATED 4/3/2023  
1732 SCARDI BLVD  
SUTHERLIN, OR 97479

TILLEY, JERRY & MARCIE  
1724 SCARDI BLVD  
SUTHERLIN, OR 97479

RILEY, BILL LEE JR & SANDRA D  
719 SLAZENGER CT  
SUTHERLIN, OR 97479

TROWBRIDGE, REBECCA & NICHOLAS  
725 SLAZENGER CT  
SUTHERLIN, OR 97479

DRAKE, LATHEN & PEGGY  
726 SLAZENGER CT  
SUTHERLIN, OR 97479-9602

AMAVISCA, ZACHARY &  
HYATT, TASIA  
720 SLAZENGER CT  
SUTHERLIN, OR 97479



GOODFELLAS OF SUTHERLIN, LLC  
2985 NW 144<sup>TH</sup> AVE  
BEAVERTON, OR 97006

I.E. ENGINEERING  
809 SE PINE ST  
ROSEBURG, OR 97470

DOUGLAS COUNTY PLANNING  
ATTN: CITY/COUNTY CORDINATOR  
JUSTICE BLDG RM #106  
ROSEBURG, OR 97470

DOUGLAS COUNTY PUBLIC WORKS  
ATTN: SCOTT ADAMS  
1036 SE DOUGLAS AVE, RM #304  
ROSEBURG, OR 97470

READING

KRISTI

AARON

SUTHERLIN POLICE

AVISTA UTILITIES  
ROSEBURG DISTRICT  
1404 GREEN SIDING RD  
ROSEBURG, OR 97471

PACIFIC POWER  
ATTN: NEW CONNECTS MANAGER  
4025 OLD HIGHWAY 99S  
ROSEBURG, OR 97471

SUTHERLIN SCHOOL  
DISTRICT #130  
531 E CENTRAL AVE  
SUTHERLIN, OR 97479

AMS (POST OFFICE)  
7007 NE CORNFOOT RD,  
DEPT 600  
PORTLAND, OR 97218-9303

SUTHERLIN MUNICIPAL FIRE

CENTURYLINK  
920 SE MAIN STREET  
ROSEBURG, OR 97470

ODOT REGION 3  
ATTN: MICAH HOROWITZ  
100 ANTELOPE ROAD  
WHITE CITY, OR 97503-1674

CHARTER COMMUNICATION  
ATTN: ROD JUSTICE  
310 NE BOSTON ST  
ROSEBURG, OR 97470

UMPQUA TRANSIT  
3076 NE DIAMOND LAKE BLVD  
ROSEBURG, OR 97470

DOUGLAS COUNTY ASSESSOR  
1036 SE DOUGLAS AVE  
ROSEBURG, OR 97470

DEPUTY STATE FIRE MARSHALL  
RICHARD HOLLOWAY  
(EMAIL)

BRANDI

SURVEYOR  
(EMAIL)

DOUGLAS SERVICES, INC  
2350 NW AVIATION DR  
ROSEBURG, OR 97470

DOUGLAS COUNTY PUBLIC WORKS  
ATTN: JOSH HEACOCK  
(EMAIL)

BRANDON MCGARR  
(EMAIL)

DOUGLAS ELECTRIC  
PO BOX 1327  
ROSEBURG, OR 97470

CAROLE WELLS  
1827 CULVER LOOP  
SUTHERLIN, OR 97479

KEVIN BUTCHER  
811 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

GORDON AVERY  
565 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

FRANCES MASTROIANNI  
820 MEDINA AVENUE  
SUTHERLIN, OR 97479

LANCE WETTELAND  
825 MEDINA AVE  
SUTHERLIN, OR 97479

CARRIE ALLEN  
834 MEDINA AVE  
SUTHERLIN, OR 97479

DARLENE ALBERTS  
829 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

WILLIAM EARL WAGNER  
810 DURHAM AVE  
SUTHERLIN, OR 97479

SHIRLEY SAETER  
818 DURHAM AVE  
SUTHERLIN, OR 97479

BRIAN MANSFIELD  
854 DURHAM AVE  
SUTHERLIN, OR 97479

TAMMY SMITH  
815 DURHAM AVE  
SUTHERLIN, OR 97479

JOSEPH LEE  
773 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

TASHA GILL  
907 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

CAROL FREEMAN  
839 DURHAM AVE  
SUTHERLIN, OR 97479

LEON BRILLON  
807 MEDINA AVE  
SUTHERLIN, OR 97479

CLINT MCBRIDE  
755 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

CHANTELE BANGS  
791 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

CHRIS ACUNA STANDISH  
856 MEDINA AVE  
SUTHERLIN, OR 97479

BAYLEE GOMEZ  
881 MEDINA AVE  
SUTHELIN, OR 97479

TAMRA DEDEKER MEDLEY  
784 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

DAVID GUYER  
768 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

TILLEY, JERRY & MARCIE  
1724 SCARDI BLVD  
SUTHERLIN, OR 97479

RILEY, BILL LEE JR  
719 SLAZENGER CT  
SUTHERLIN, OR 97479

KAREN BUTCHER  
811 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

DRAKE, LATHEN & PEGGY  
726 SLAZENGER CT  
SUTHERLIN, OR 97479-9602

AMAVISCA, ZACHARY &  
HYATT, TASIA  
720 SLAZENGER CT  
SUTHERLIN, OR 97479

WARREN HANUSSAK  
871 SAND PINES AVE  
SUTHERLIN, OR 97479

LISA WERTZ  
868 SAND PINES AVE  
SUTHERLIN, OR 97479

NANCY ADAIR WEATHERSPOON  
739 PEBBLE CREEK ST  
SUTHERLIN, OR 97479

BROOKS SMALLWOOD  
870 MEDINA AVE  
SUTHERLIN, OR 97479

MICHAEL WILLIAMS  
863 MEDINA AVE  
SUTHERLIN, OR 97479

STANLEY NICKEL  
806 SAND PINES AVE  
SUTHERLIN, OR 97479

VICKI MERRILL  
1951 SCARDI BLVD  
SUTHERLIN, OR 97479

MARK COVINGTON  
1967 SCARDI  
SUTHERLIN, OR 97479

GLENDA SCHMIDT  
818 SAND PINES AVE  
SUTHERLIN, OR 97479

RICHARD JOHNSON  
832 SAND PINES AVE  
SUTHERLIN, OR 97479

CAROLYN REEVES  
880 SAND PINES AVE  
SUTHERLIN, OR 97479

SANDRA ROSE  
892 SAND PINES AVE  
SUTHERLIN, OR 97479

JAMES DAVENPORT  
899 SAND PINES AVE  
SUTHERLIN, OR 97479

JOYCE & FRANK SCHUIERER  
885 SAND PINES AVE  
SUTHERLIN, OR 97479

SEAN FALLON  
857 SAND PINES AVE  
SUTHERLIN, OR 97479

ANNA DAVIS  
821 SAND PINES AVE  
SUTHERLIN, OR 97479

SCOTT & CINDY MCGINNIS  
1684 SCARDI BLVD  
SUTHERLIN, OR 97479

GREG GARDNER  
707 SLAZENGER CT  
SUTHERLIN, OR 97479

DANNY ROBINSON  
701 SLAZENGER CT  
SUTHERLIN, OR 97479

DAN & LYNN WILCOX  
1789 CULVER LOOP  
SUTHERLIN, OR 97479

AUSTIN & ALISHA SLATE  
1700 SCARDI BLVD  
SUTHERLIN, OR 97479

MILO SCHAUER  
1958 CULVER LOOP  
SUTHERLIN, OR 97479

KAREN SCHAUER  
1958 CULVER LOOP  
SUTHERLIN, OR 97479

ROLAND BERRY  
1954 CULVER LOOP  
SUTHERLIN, OR 97479

DIANE BERRY  
1954 CULVER LOOP  
SUTHERLIN, OR 97479

DANNA & ROBERT MOCK  
1826 CULVER LOOP  
SUTHERLIN, OR 97479

CARTER & MARILYN BOEHM  
1818 SCARDI BLVD  
SUTHERLIN, OR 97479

LARRY & DIAN COX  
2066 CULVER LOOP  
SUTHERLIN, OR 97479

RICHARD & SARA THIGPEN  
2082 CULVER LOOP  
SUTHERLIN, OR 97479-9602

CATHERINE & GLEN CUTLER  
1956 CULVER LOOP  
SUTHERLIN, OR 97479

PAT FINLEY  
616 ARNIE COURT  
SUTHERLIN, OR 97479

ROBERT (JIM) DENNIS  
1780 SCARDI BLVD  
SUTHERLIN, OR 97479

JERRY & SUSANNE WESTON  
1901 INNSBROOK CT  
SUTHERLIN, OR 97479

TERRY WELLS  
1827 CULVER LOOP  
SUTHERLIN, OR 97479

MARTIN & JESSIE LARNER  
1793 CULVER LOOP  
SUTHERLIN, OR 97479

RICHARD & BARBARA JORGE  
2226 EAGLE LOOP  
SUTHERLIN, OR 97479

MICHAEL & SUSAN JORDAN  
2286 EAGLE LOOP  
SUTHERLIN, OR 97479

RICK EDWARDS  
725 SANDPIPER CT  
SUTHERLIN, OR 97479

ALICIA HART  
2234 EAGLE LOOP  
SUTHERLIN, OR 97479

JOHN LAHLEY  
2070 CULVER LOOP  
SUTHERLIN, OR 97479

JACQUELINE POTESIO  
1830 CULVER LOOP  
SUTHERLIN, OR 97479

DAVID POTESIO  
1830 CULVER LOOP  
SUTHERLIN, OR 97479

KALA GROTING  
2284 CHI CHI LN  
SUTHERLIN, OR 97479

H. LYNN & CARLENE WESTBROOK  
2068 CULVER LOOP  
SUTHERLIN, OR 97479

LORRIE LEE  
1829 CULVER LOOP  
SUTHERLIN, OR 97479

GARY LEE  
1829 CULVER LOOP  
SUTHERLIN, OR 97479

DALE NIELSEN  
523 ST ANDREWS CT  
SUTHERLIN, OR 97479

CAROLYN NIELSEN  
523 ST ANDREWS CT  
SUTHERLIN, OR 97479

CHARLES BRUMMEL  
547 SAINT ANDREWS CT  
SUTHERLIN, OR 97479

CAROL WILSON-TAYLOR  
2077 CULVER LOOP  
SUTHERLIN, OR 97479

PEGGY BRUMMEL  
547 ST ANDREWS CT  
SUTHERLIN, OR 97479

ANNA LAHLEY  
2070 CULVER LOOP  
SUTHERLIN, OR 97479

TAMMY & RAY AXTON  
2266 EAGLE LOOP  
SUTHELIN, OR 97479

CARLAN BRATTON  
2230 EAGLE LOOP  
SUTHERLIN, OR 97479

IRENE BRATOON  
2230 EAGLE LOOP  
SUTHERLIN, OR 97479

MARY NORDEEN  
2274 EAGLE LOOP  
SUTHERLIN, OR 97479

RICK & SHARON COZAD  
2206 EAGLE LOOP  
SUTHERLIN, OR 97479

LISA STRICKLAND  
536 ST ANDREWS CT  
SUTHERLIN, OR 97479

TOM STRICKLAND  
536 ST ANDREWS CT  
SUTHERLIN, OR 97479-9602

BRANDY & DAN WRIGHT  
2289 EAGLE LOOP  
SUTHERLIN, OR 97479



# City of Sutherlin

## Community Development

126 E. Central Avenue

Sutherlin, OR 97479

(541) 459-2856

Fax (541) 459-9363

[www.ci.sutherlin.or.us](http://www.ci.sutherlin.or.us)

October 10, 2023

## STAFF REPORT

TO: Sutherlin Planning Commission

FROM: Jamie Fugate, City Planner

RE: **GOODFELLAS OF SUTHERLIN**, request for a Subdivision to be developed in three phases that total 91 lots on a 22.00± acre portion of the 193.11 acre subject property. The subject property is located north of Scardi Blvd in the City of Sutherlin. The subject property is described as Tax Lot 1500 in Section 7, and Tax Lot(s) 100 and 203 in Section 18, all in T25S, R5W, W.M; Property ID Nos. R20392; R21680 and R138405. It is designated Low Density and Low Density Hillside by the Sutherlin Comprehensive Plan and zoned (R-1) Low Density Residential and (RH) Residential Hillside. **PLANNING DEPARTMENT FILE NO. 23-S009.**

## STAFF EXHIBITS

1. Notice of Public Hearing
2. Copy of Legal Notice for the News Review
3. Property Owners within 100 Feet and those whom provided a letter of remonstrance
4. Staff Report with Responses
5. Subdivision application and attachments
6. Traffic Impact Analysis
7. Vicinity Map
8. Assessor Maps
9. Zoning Map
10. Aerial Photograph

## **INTRODUCTION**

The applicant, Goodfellas of Sutherlin, is requesting s Subdivision to be developed in three phases that total 91 lots on a 22.00± acre portion of the 193.11 acre subject property.

The subject property is located on the north side of Scardi Blvd in the City of Sutherlin. It is described as Tax Lot 1500 in Section 7, and Tax Lot(s) 100 and 203 in Section 18, all in T25S, R5W, W.M.; Property I.D. No(s). R20392, R21680 and R138405. The property is currently undeveloped.

The subject property is designated Low Density and Low Density Hillside by the Sutherlin Comprehensive Plan and zoned (R-1) Low Density Residential and (RH) Residential Hillside by the Sutherlin Development Code (SDC). It is located in an area of residential (R-1) zoned properties to the south and west, industrial (M-2) to the north and Interstate 5 to the east. The properties to the south and west are developed residential neighborhoods, while the property to the north is undeveloped industrial lands located inside city limits.

The applicant requested a subdivision under Section 4.4.130 of the SDC. The application is being processed as a Type III procedure upon referral of the Community Development Director for a subdivision. As part of the hearing, the Planning Commission will review the applicant's request for compliance with the applicable provisions of the Sutherlin Comprehensive Plan, Chapter 2, Section 2.2 (R-1 zone), Chapter 3 (Design Standards), and Chapter 4, Section 4.4 (Land Divisions) of the SDC.

During the public hearing on October 17, 2023, the Planning Commission will accept public testimony and make a decision on the application after the public hearing. Upon rendering a decision, the Planning Commission must make a written Findings of Fact and Decision document, which justifies its decision.

## **PROCEDURAL FINDINGS OF FACT**

1. The Subdivision applications were deemed complete by the City on August 8, 2023. All applicable application fees were paid to the City.
2. Notice of the proposed Administrative Land Use Action before the Community Development Director was given in accordance with Section 4.2.130.C of the SDC on August 11, 2023.
3. Pursuant to Section 4.2.140.C of the SDC, notice of the public hearing was given by publication in the News Review on September 29, 2023, which was at least fourteen (14) days prior to the date of the public hearing.
4. Upon referral of the Community Development Director, the Notice of a Public Hearing for the Subdivision application before the Planning Commission was given in accordance with Section 4.2.140.C. Notice was sent to affected property owners of record within 100 feet of the subject property, service providers, and governmental agencies on September 21, 2023.

- Notice of the Administrative Land Use Action mailed on August 11, 2023 received 59 responses within the fourteen (14) day opportunity to comment period, three (3) responses were received after the fourteenth day. These responses are now carried forward with the referral of the Community Development Director. The main concerns summarized within the letters pertain to:
  - i. Safety as it relates to transportation – congestion, ingress/egress, gated EMS access road, speed
  - ii. Types of dwellings proposed
  - iii. Notification area/distance
  - iv. Water availability
  - v. Lot size(s)
- The concerns of adjacent property owners are duly noted and will be addressed within this Staff Report. With regards to the questions, concerns and statements pertaining to the type of dwellings, the City cannot restrict the type of dwelling constructed or manufactured on the subject property. This is not applicable criteria to this application.
- Kathy Wall, Senior Planner, Douglas County Planning, commented that they have reviewed the notice and have no concerns with the requested application.
- Brandan McGarr, Division Chief/Emergency Manager, Sutherlin Fire Department, commented the following:  
*Below are Sutherlin Fire Department comments on the Ridgeview Subdivision. Please note that all requirements are subject to meet the Oregon Fire Code (OFC) or relevant City of Sutherlin (COS) ordinances.*  
**REQUIREMENTS:**
  - *Emergency access gates shall meet OFC Appendix D requirements on width, construction, etc.*
  - *Sutherlin Fire Department keyed Knoxbox padlocks would be required for emergency access road gates. They can be purchased from [www.knoxbox.com](http://www.knoxbox.com). OFC & COS ordinance.*
  - *Emergency access road must be built to meet OFC requirements in Appendix D including widths, signs, loads, etc.*
  - *Hydrant spacing is required to follow OFC Appendix C for spacing requirements.*
  - *Cul-de-sac and road widths are to follow OFC Appendix D.*
  - *Cul-de-sac and road turning radius are to follow OFC Appendix D.*
  - *Per OFC Appendix D, dead end streets will be required to have a fire apparatus turn-a-round for any dead-end roads greater than 150'.***RECOMMENDATIONS:**
  - *With prospective development, a second means of egress is recommended to be built out to Stearns Lane.*
  - *A 30' fire break is recommended around the subdivision to protect the homes from wildfire. It is recommended that the HOA be required to maintain.*

- *During construction it is recommended to use fire resistant building materials (hardy plank siding, asphalt shingles, fire resistant vents, etc).*
  - *It is recommended that you do not place bark mulch around the first five feet around the foundations and decks/patios. Rick is a safer alternative for preventing fire spread.*
  - *Fire resistant plants should be located near the home in place of fire prone vegetation.*
  - *Fire apparatus turn-a-rounds or pullouts every 150-feet on the emergency access road.*
- The requirements and concerns from the Sutherlin Fire Department will be addressed throughout the Staff Report and be a condition of approval.
- Micah Horowitz, Region 3 Development Review Planner, Oregon Department of Transportation (ODOT), responded August 23, 2023 to the original administrative notice asking, *“if a traffic study to determine what mitigation is necessary associated with previous findings on this site. That they had not seen a traffic study and the conditions of approval state the City will require a traffic study for each new phase of development to inform timing of required mitigation.*
- *Letter of remonstrance submitted August 25, 2023 from Micah Horowitz, Region 3 Development Review Planner, ODOT*
  - The applicant submitted a Traffic Impact Analysis to the City and ODOT on September 19, 2023 for review.
    - i. Mr. Horowitz responded to the Public Hearing Notice, *“ODOT requests a continuance of the hearing for file no. 23-S009 scheduled for next Tuesday, Oct 17. We are still working with the applicant in refining the traffic analysis and can not provide a letter of support at this point in time.”*
- Aaron Swan, Public Works Director, City of Sutherlin, commented the following: *For the application (file no. 22-S009) the applicant will need to provide plans for the subdivision that adhere to City of Sutherlin construction specifications. These plans must include but are not limited to an 8” minimum water line extension detail, a 4” pressure sewer line extension, along with main and lateral details, street detail including width, sidewalk and subgrade detail, and a storm water plan that includes detention ponds. Developer should pay close attention to elevation as they are at the upper reaches of the city water system. While a minimum (20 lbs PSI is required at the meter) will be met, the pressure that people are used to may not be attained without booster pumps.*
  - Public utilities will be addressed throughout this Staff Report and also be listed as condition(s) of approval

**Comments submitted during the Administrative Land Use Notice Period were carried forward. The responses below were received during the Public Hearing Notice Period, and were not required if a previous comment was submitted.**

- Richard and Sara Thigpen, adjacent property owners, submitted a comment regarding the proposed subdivision as follows:



*We have concerns regarding the proposed subdivision planned for the land North of Knolls Estates and East of Fairway Ridge. The 91 lots could easily bring 150 or more vehicles. The only entrance/exit will be on Dovetail at Hwy 138. This intersection is already a safety concern for the two existing subdivisions. Development is good, but only when infrastructure can sustain it. Reduced speed on that section of Hwy 138 and a stoplight at the intersection of Hwy 138 and Dovetail should be contingent for approval of any land use application in this area. We loving living in Sutherlin. It is a great city. Please put the safety and wellbeing of its citizens over the eagerness for growth and development.*

- The neighbor's concerns are duly noted and the concerns will be addressed with this Staff Report.
- Alicia Hart, adjacent property owner, submitted a comment regarding the proposed subdivision as follows:

*I am opposed to any development regarding the Goodfellas of Sutherlin and Ridgeview Subdivision EMS Access. Any additional construction is a hazard to the residence in the area. An emergency access gate is NOT acceptable. An accessible 24 hour paved road should be added.*

*There is ONLY one entrance and one exit off of Highway 138 onto Dovetail. An additional entrance and exit is needed.*

*It is not IF an emergency will occur but WHEN. As a resident on Eagle Loop, my life, property, and neighbors, many who are elderly, are in danger of being trapped because there is Only One Way out!*
- The neighbor's concerns are duly noted and the concerns will be addressed with this Staff Report.
- Greg T. Gardner, adjacent property owner and Knolls Estate PUD President, submitted a letter on behalf of himself and the entire 160 homeowners with the following concerns:

*As a community member, as well as the president living in Knolls Estates subdivision to the fairway ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY** concerned as an individual and as the president of Knolls Estates HOA representing all 160 homeowners. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the Highly Traveled State Hwy 138. The homeowners including myself in phase 3 of Knolls Estates are at the very end of Scardi Blvd & Slazenger Ct. We would have the greatest difficulty in getting to Hwy 138, possibly creating safety concerns with the additional traffic onto Scardi Blvd from the proposed new development. As president of the knolls Estates HOA and our Board, we have been getting swamped with homeowners concerns about the safety of themselves and their children. With very little traffic control (high speeds) from the police dept. on Dovetail and Scardi Blvd. The additional subdivision, will be even more hazardous for every homeowner.*

*I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for the community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and*

*Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance** and **Exit** be conditions for approval, An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.*

*Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance** and **Exit** is required as a provision for the construction of the proposed 91 homes. I will not be able to attend the meeting to give my concerns in person, but would appreciate that this correspondence be considered.*

- The Knoll’s HOA concerns are duly noted and the concerns will be addressed with this Staff Report.
  - At the time of the mailing of this staff report, no other written comments or remonstrances have been received.
5. Present Situation: The subject property is currently unimproved and undeveloped.
  6. Plan Designation: Low Density (RL) and Low Density Hillside (RLH); proposed improvement is completely within the RL plan designation.
  7. Zone Designation: Low Density Residential (R-1) and Residential Hillside (RH); proposed improvement is completely within the R-1 zone designation.
  8. Public Water: The subject property has access to public water from the City of Sutherlin within the ROW of Scardi Blvd. Public water will have to be extended to accommodate the development of the site.
  9. Sanitary Sewer: The subject property has access to the pressure sanitary sewer from the City of Sutherlin within the ROW of Scardi Blvd. The pressure sanitary sewer will have to be extended from the west to accommodate the development of the site, with individual lots required to have a STEP (Septic Tank Effluent Pump) System installed.
  10. Transportation System: Scardi Blvd is designated as a local residential street within the Sutherlin Transportation System Plan. Access to the proposed development is via Dovetail Lane and Scardi Blvd, both local residential streets under the City of Sutherlin’s jurisdiction and maintenance.
  11. Overlay: The subject property is not located within the 100 year flood plain, a portion of the property contains wetlands per the National Wetlands Mapper (the subject property was not included in the Local Wetlands Inventory).

**FINDING:** The procedural findings noted above are adequate to support the Planning Commission’s recommendation on the requested Subdivision application.

## **FINDINGS OF FACT**

### **RESIDENTIAL DISTRICTS**

1. Residential Zone District, Low Density Residential, R-1 Zone (Section 2.2.100):

- a. The subject 193.11 acre parcel is vacant of structures, and the 22.00± acre portion the proposed improvement is proposed only within the (R-1) Low Density Residential zoned area. The minimum lot area is 7,000 sq.ft. for a single family non-attached lot, with a minimum lot width at frontage 50 feet for a standard lot and 20 feet for a flag lot, and a minimum lot depth of 100 feet where there is no alley right-of-way. The maximum lot coverage for development is 50 percent, with a minimum dwelling unit size of 1,000 sq.ft.

2. **FINDINGS:**

- a. As proposed, the City finds:
  - i. The applicant is proposing a three phase, 91-lot subdivision (Ridgeview Subdivision). The subdivision consists of 91 lots, with a 7,000 sq ft minimum lot size and a 10,000 sq ft maximum lot size. Lot width frontage of each lot will be at least 50+ feet.
- b. The applicant will be advised that at the time of a new building proposal for each lot, compliance with all applicable design standards within the R-1 zone will be required.

**DESIGN STANDARDS**

3. **Design Standards**

- a. 3.2.100 Vehicular Access and Circulation
- b. 3.5.100 Infrastructure Standards

4. The access to each proposed parcel will be via a proposed local residential street as indicated on the preliminary map. Each proposed lot will have direct access either onto a proposed internal local residential street or Scardi Blvd.

Section 3.2 Vehicle Access and Circulation

***Applicability.*** All development in the city must comply with the provisions of chapter 3, Design Standards. Development projects requiring land division, conditional use permit, and/or site design review approval require detailed findings demonstrating compliance with each section of chapter 3, as applicable. For smaller, less complex projects, fewer code provisions may apply and detailed findings may not be required where no discretionary land use or development permit decision is made.

3.2.110 Vehicular Access and Circulation. This section is intended to manage vehicle access to development through a connected street system with shared driveways, where practicable, and circulation systems that allow multiple transportation modes and technology, while preserving the flow of traffic in terms of safety, roadway capacity, and efficiency. This section applies to all public roads, streets, and alleys within the city and to all properties abutting them.

**C. Access Permit Required.** *Access to a public street requires an access permit in accordance with the following procedures:*

1. *Permits for access to City streets shall be subject to review and approval by city staff based on the standards contained in this section, and the provisions of section 3.5, Infrastructure Standards. Access permit applications are available at Sutherlin City Hall.*
2. *Permits for access to state highways shall be subject to review and approval by Oregon Department of Transportation (ODOT) except when ODOT has delegated this responsibility to the city. The city will coordinate with ODOT on such permits as necessary.*
3. *Permits for access to county highways shall be subject to review and approval by Douglas County. The city will coordinate with the county on such permits as necessary.*

**FINDING:** Upon completion of the subdivision, there will be five (5) local residential streets constructed. Access to the individual lots will need to be coordinated with the City for review and approval to ensure access locations meet access separation and other applicable city standards. An access permit for any existing and/or proposed accesses and necessary work to be performed within Scardi Blvd's right-of-way (ROW) will need to be obtained from Sutherlin's Community Development Department.

**D. Traffic Study Requirements.** *The city or other agency with access jurisdiction may require a traffic study prepared by a traffic engineer to determine access, circulation and other transportation requirements. (See also, section 3.5, Infrastructure.)*

**FINDING:** As part of the 2007 Alaska Sutherland Knolls Corp (ASKC), Plan Amendment and Zone Change applications (PA-07-3/ZC-07-4), Oregon Department of Transportation (ODOT) responded recommending the City to adopt specific transportation policies and findings into their Ordinance, then allowing approval of the proposed plan amendment and zone change. A portion of the applicants proposed development is within a portion of the recommended policy put into place. Policy 4 – Transportation Improvements: *The City will require the applicant to submit a detailed TIS for each new phase of development on the ASKC property.* With this the property owner(s)/developer hire a Traffic Engineer, licensed in the State of Oregon, to complete a Traffic Impact Analysis (TIA). The TIA was submitted to ODOT and to the City of Sutherlin for review. The submitted TIA evaluated the transportation impacts as per the City of Sutherlin and ODOT criteria, evaluating adjacent roadway and intersection operation with the addition of development traffic for the year of completion and a 5-year future analysis.

**FINDING:** The submitted TIA gave the following findings:

- All studied intersections operate within the mobility standards with and without the development traffic.
- The addition of development traffic does not substantially increase queuing conditions.

- The project will include the construction of an emergency access road from the northern terminus of Pebble Creek Street north to Stearns Lane. The emergency road is sufficient for the anticipated need.
- The previous findings for the Plan Amendment and Zone Change associated with this property identified several transportation improvements; see Attachment A in Appendix B (on file). The following are findings relevant to the transportation improvements warranted for this phase of development.
  1. This project is described as “install a traffic signal and eastbound right-turn lane on OR 138W.” It is assumed that the turn pocket and traffic signal are to be placed at OR 138 and Park Hill intersection.

The v/c meets the standard of 0.95, and the queuing does not exceed the available storage of 200 feet for the northbound left turn and 350 feet for the westbound left turn. There are no operational issues that would trigger mitigation for this phase of development

Signal warrant analysis was performed for this intersection using ODOT’s Preliminary Traffic Signal Warrant. The traffic volumes for the major approaches (Highway 138) and minor approach (Park Hill) do not meet the warrant volumes for either Case A or Case B. Therefore, a traffic signal at this location is not warranted.

The right turn pocket meets the traffic volume criterion. However, there is insufficient ROW to construct a full right turn pocket, given the location of the power poles along the southern edge of the roadway. A right turn pocket is not recommended at this time.

2. This improvement is the installation of a westbound right turn lane on OR 138W at Dovetail Lane. This improvement has been completed. There is a separated right turn pocket with approximately 95 feet of storage and n180 feet of taper. The queuing analysis estimates no more than a 25-foot queue for the right turn pocket. There is not additional right turn pocket or taper length needed for this right turn.
3. This improvement is the installation of a median on OR 138W at Dovetail Lane to restrict the access to right-in/right-out only and install a new east-west Collector Street connection from Dovetail to Stearns Lane.

During the AM peak hour in the year 2030, with this phase of development completed, the v/c is 0.18 and LOS is B. During the PM peak hour in the year 2030. With this phase of development completed, the v/c is 0.22 and LOS is C. The operation of the intersection does not trigger the restrictions of Dovetail to right-in/right-out.

The creation of a new east-west Collector Street connection from Dovetail Lane to Stearns Lane would require construction on

property not owned by this applicant, as there is no right-of-way available for this connection. This connection is not feasible at this time.

4. This improvement is the installation of Exit 136 southbound exit ramp in the northwest quadrant of the interchange and the installation of a traffic signal or roundabout at OR138W/Dakota Street.

The installation of Exit 136 southbound exit ramp is a substantial improvement project that far extends the impact of this project on the interchange. This improvement is not necessary for the interchange area to meet the v/c standards with the completion of this phase of development.

A signal warrant analysis was performed for the OR138W/Dakota Street intersection using ODOT's Preliminary Traffic signal Warrant. The traffic volumes for the major approaches (Highway 138) and minor approach (Dakota Street) do not meet the warrant volumes for Case A, but does meet the warrant volumes of Case B. The intersection operates within the v/c standard with this phase of development in place. Therefore, mitigation by this phase of development does not trigger improvements at this intersection. A traffic signal is not recommended at this time.

**FINDING:** Per ODOT's memo dated September 18, 2007 RE: Revised ASKC Comprehensive Plan Amendment/Zone Chante (PA-07-3/ZC-07-4). Recommended Policy 1 – Transportation System Plan (TSP) Update, the city finds the Sutherlin TSP update was adopted June 8, 2020.

**FINDING:** Per ODOT's memo dated September 18, 2007 RE: Revised ASKC Comprehensive Plan Amendment/Zone Chante (PA-07-3/ZC-07-4). Recommended Policy 2 – Traffic Forecast – the City shall use the ASKC TIS updated 2027 traffic forecast for the west-side of Interstate 5. The city finds the TIA submitted by the applicant utilizes the current TSP to establish parameters for measuring and addressing traffic impacts.

**FINDING:** Per ODOT's memo dated September 18, 2007 RE: Revised ASKC Comprehensive Plan Amendment/Zone Chante (PA-07-3/ZC-07-4). Recommended Policy 3 - Funding Mechanisms. State the City's System Development Charge (SDC) program will fund the TSP 20 year road network improvements through the Capital Improvement Plan (CIP). The city finds that several funding mechanisms, including Transportation SDC's can be utilized to help fund necessary road improvements.

***E. Conditions of Approval.*** *The city or other agency with access permit jurisdiction may require the closing or consolidation of existing curb cuts or other vehicle access points, recording of reciprocal access easements (i.e., for shared driveways), development of a frontage street, installation of traffic control devices, and/or other mitigation as a condition of granting an access permit, to ensure the safe, functional, and efficient operation of the street and highway system.*

**FINDING:** Access requirements shall be a condition of approval to aid and ensure the safety and efficient operation is maintained. An access permit for existing and/or proposed access and necessary work within the right-of-way of Scardi Blvd will be required to be obtained from the City of Sutherlin (Community Development or Public Works department).

**F. Backing Movement.** *Vehicle access to and from off-street parking areas, except for access to and from residential developments with one (1) or two (2) dwellings, shall not involve backing onto a public street.*

**FINDING:** The proposed lots are for single family homes; therefore, the back-up access restrictions, as described in the above standard, are not required.

**G. Access Standards and Options.** *When vehicle access is required for development (i.e., for off-street parking, delivery, service, drive-through facilities, etc.), access shall be provided by one of the following methods (a minimum of ten (10) feet per lane is required). These methods are “options” to the developer/subdivider, unless one method is specifically required by the city as a condition of approval.*

1. Option 1. *Access is from an existing or proposed alley or mid-block lane. If a property has access to an alley or lane, direct access to a public street is not permitted.*

2. Option 2. *Access is from a private street or driveway developed to city standards and connected to an adjoining property that has direct access to a public street (i.e., “shared driveway”). A joint maintenance agreement and reciprocal access easement covering the driveway shall be recorded in this case to assure access to the closest public street for all users of the private street/drive. The city may approve a private street under this option by a planned unit development (PUD), provided that public funds shall not be used to construct or maintain a private road, street, or drive. The city may require a public access easement as needed for emergency response access or refuse access.*

3. Option 3. *Access is from a public street adjacent to the development parcel. If practicable, the owner/developer may be required to close or consolidate an existing access point as a condition of approving a new access if the site abuts an arterial or collector street. Street accesses shall comply with the access spacing standards in subsection I, below.*

4. Subdivisions Fronting Onto an Arterial Street. *Subdivision lots fronting onto an arterial street shall not receive access onto the arterial street, except when alternate access (i.e., alleys or secondary streets) cannot be provided due to topographic or other physical constraints. In such cases, the city may require that access be provided by consolidating driveways for clusters of two (2) or more lots or for multiple buildings on a lot (e.g., includes flag lots and mid-block lanes).*

5. Double-Frontage Lots. *When a lot has frontage onto two (2) or more streets, access shall be provided first from the street with the lowest classification. For example, access shall be provided from a local street*

*before a collector or arterial street. A second access may be permitted only as necessary to accommodate projected traffic volumes. Except for corner lots, the creation of new double-frontage lots shall be prohibited in the residential district, unless topographic or physical constraints require the formation of such lots. When a fence or wall is built adjacent to the street in this case, a landscape buffer with trees and/or shrubs and ground cover not less than ten (10) feet wide shall be provided between the fence/wall and the sidewalk or street; maintenance shall be assured by the owner (i.e., through homeowner's association, etc.).*

6. *Important Cross-References to Other Code Sections.* *Section 3.6 requires that buildings be placed at or near the front property line in some zones, and driveways and parking areas be oriented to the side or rear yard for multiple family and commercial uses. Section 3.5.110 contains private street standards.*

**FINDING:** The proposed 91-lots will each access onto either one of the five proposed streets or onto Scardi Blvd, as outlined above in Option 3. Upon completion of this development, each of the proposed streets will be dedicated to the City of Sutherlin as a public street and will be incorporated into the City's street maintenance system. The development does not front onto an arterial street and no double-frontage lots are proposed. Future residential development of a single family dwelling on each proposed lot will require off-street parking in accordance with residential standards. Each lot will have access to a public local residential street via an individual driveway. Any shared driveways will require compliance with the applicable driveway standards, including the 25 foot access separation between driveways, and any necessary reciprocal access easement(s) recorded.

*H. New Street. The City may require the dedication of public right-of-way and construction of a street (e.g., frontage road, alley or other street) when access cannot otherwise be provided from an existing street, in conformance with city standards. The city considers the development impact in considering whether a new street is needed. See also Section 3.5 Infrastructure Standards.*

**FINDING:** With this application the property owner(s)/developer is proposing five (5) internal local residential streets. The proposed local residential streets shall be constructed and dedicated to the City meeting the standards listed above.

*I. Access Spacing. Driveway accesses shall be separated from other driveways and street intersections in accordance with the following standards and procedures:*

1. *Local Streets.* *A minimum of twenty-five (25) feet separation (as measured from the sides of the driveway/street) shall be required on local streets (i.e., streets not designated as collectors or arterials.*

2. *Arterial and Collector Streets.* *Access spacing on collector and arterial streets, and at controlled intersections (i.e., with four-way stop sign or traffic signal) shall be determined based on the policies and standards contained in the city's transportation system plan.*

3. *Special Provisions for All Streets.* *Direct street access may be restricted for some land use types. For example, access consolidation,*



*shared access, and/or access separation greater than that specified by Subsections 1-2, may be required by the city, county or ODOT for the purpose of protecting the function, safety and operation of the street for all users. Where no other alternatives exist, the permitting agency may allow construction of an access connection along the property line farthest from an intersection. In such cases, directional connections (i.e., right in/out, right in only, or right out only) may be required.*

**FINDING:** Each lot will have access onto either an existing local residential street (Scardi Blvd) or one of the five proposed local residential streets via an individual driveway as depicted on the preliminary plan. Any shared driveways will require compliance with the applicable driveway standards, including the 25 foot access separation between driveways, and any necessary reciprocal access easement(s), to insure access to a proposed public street.

**J. Number of Access Points.** *For single-family (detached and attached), two (2) family, and three (3) family housing types, one (1) street access point is permitted per lot; except that two (2) access points may be permitted for two (2) family and three (3) family housing on corner lots (i.e., no more than one (1) access per street), subject to the access spacing standards in subsection I, above. The number of street access points for multiple family, commercial, industrial, and public/institutional developments shall be minimized to protect the function, safety and operation of the street(s) and sidewalk(s) for all users. Shared access may be required, in conformance with section K, below, in order to maintain the required access spacing, and minimize the number of access points.*

**FINDING:** As proposed, the applicant proposes a maximum of 91 individual access points onto a new City local residential street that will be constructed. Shared driveways may be required, as necessary in order to meet the requirements stated above.

**K. Shared Driveways.** *The number of driveways intersecting a public street shall be minimized by the use of shared driveways on adjoining lots where feasible. The city may require shared driveways as a condition of land division or site plan review, as applicable, for traffic safety and access management purposes in accordance with the following standards:*

- 1. Shared driveways and frontage streets may be required to consolidate access onto a collector or arterial street. When shared driveways or frontage streets are required, they shall be stubbed to adjacent developable parcels to indicate future extension. “Stub” means that a driveway or street temporarily ends at the property line, but may be extended in the future as the adjacent parcel develops. “Developable” means that a parcel is either vacant or it is likely to receive additional development (i.e., due to infill or redevelopment potential).*
- 2. Access easements and joint maintenance agreements (i.e., for the benefit of affected properties) shall be recorded for all shared driveways, including any pathways and landscaping along such driveways, at the time*

*of final plat approval (section 4.4) or as a condition of site development approval (Section 4.3).*

**FINDING:** Each lot is proposed to access on one of the five local residential streets or Scardi Blvd via an individual driveway as depicted on the preliminary plan. Any shared driveway will require compliance with the applicable driveway standards listed above, if a shared driveway is proposed the necessary reciprocal access easement(s) document will need to be recorded to insure access to the proposed public street.

***L. Street Connectivity and Formation of Blocks Required.*** *In order to promote efficient vehicular and pedestrian circulation throughout the city, land divisions and large site developments shall produce complete blocks bounded by a connecting network of public and/or private streets, in accordance with the following standards:*

- 1. Block Length and Perimeter. The maximum block length and perimeter, measured along the property/right-of-way line, shall not exceed:*
  - a. Residential Zoning. Six hundred (600) feet length and one thousand eight hundred (1,800) feet perimeter unless the previous adjacent layout or topographical conditions justify a variation;*
  - b. C-1 Zoning. Four hundred (400) feet length and one thousand four hundred (1,400) feet perimeter;*
  - c. C-3 Zoning. Six hundred (600) feet length only.*
  - d. Industrial Zoning. No Standard.*

*Figure 3.2.110L Street Connectivity and Formation of Blocks*

- 2. Exception. Exceptions to standards in subsection L1 may be granted when blocks are divided by one or more pathway(s), in conformance with the provisions of section 3.2.120.A. Pathways shall be located to minimize out-of-direction travel by pedestrians and may be designed to accommodate bicycles.*

**FINDING:** The proposed subdivision shall conform to the standards listed above. The proposed preliminary plan indicates future street connectivity to the adjacent development to the west. This will allow for future circulation as development occurs.

***M. Driveway Openings.*** *Driveway openings shall be the minimum width necessary to provide the required number of vehicle travel lanes (ten (10) feet for each travel lane). The following standards (i.e., as measured where the front property line meets the sidewalk or right-of-way) are required to provide adequate site access, minimize surface water runoff, and avoid conflicts between vehicles and pedestrians:*

- 1. Single family, two (2) family, and three (3) family uses shall have a minimum driveway width of ten (10) feet, and a maximum width of twenty-four (24) feet, except that one (1) recreational vehicle pad driveway may be provided in addition to the standard driveway for lots containing more than seven thousand (7,000) square feet of area....*

**FINDING:** As proposed, each proposed lot will access directly onto a local residential street. Shared driveways may be required, as necessary, to ensure the required 25 foot

driveway separation is maintained. Driveways shall be a minimum of 10 feet wide and a maximum of 24 feet wide, complying with the above standard(s).

**N. Fire Access and Parking Area Turn-Arounds.** *A fire equipment access drive shall be provided for any portion of an exterior wall of the first story of a building that is located more than one hundred fifty (150) feet from an existing public street or approved fire equipment access drive. Parking areas shall provide adequate aisles or turn-around areas for service and delivery vehicles so that all vehicles may enter the street in a forward manner.*

**FINDING:** As part of this request, the property owner(s)/developer coordinated with the City Fire Department and the State Fire Marshall. The property owner(s)/developer are required to construct an emergency access gate(s) meeting Oregon Fire Code, Appendix D, along with the installation of a keyed knoxbox on all emergency access gates, improved Emergency access road to be constructed meeting Oregon Fire Code requirements outlined in Appendix D (including widths, signs, load, etc), cul-de-sac and road withs/turning radius are to follow Oregon Fire Code, Appendix D and dead end streets greater than 150' in length will be required to have a fire apparatus turn-around. These requirements will be listed as conditions of approval.

**O. Vertical Clearances.** *Driveways, private streets, aisles, turn-around areas and ramps shall have a minimum vertical clearance of thirteen (13) feet six (6) inches for their entire length and width.*

**FINDING:** The proposed development will be required to meet the standards of vertical clearances as stated above.

**P. Vision Clearance.** *No signs, structures or vegetation in excess of three (3) feet in height shall be placed in "vision clearance areas", as shown in figure 3.2.110P. The minimum required vision clearance area may be increased by the city upon finding that more sight distance is required (i.e., due to traffic speeds, roadway alignment, etc.).*

**FINDING:** Future residential development will require compliance with the applicable vision clearance standards.

**Q. Flag Lots.** *Flag lots may be created where the configuration of a parcel does not allow for standard width lots. A flag pole access drive may serve no more than two (2) dwelling units, including accessory dwellings and dwellings on individual lots. A drive serving more than one lot shall conform to the standards in subsections 1-4 below:*

- 1. Driveway and Lane width of all shared drives and lanes shall be twenty (20) feet of pavement with a minimum lot frontage width of twenty-five (25) feet wide throughout the driveway;*
- 2. Easement. Where more than one (1) lot is to receive access from a flag pole drive, the owner shall record an easement granting access to all lots that are to receive access. The easement shall be so indicated on the preliminary plat;*

3. Maximum Drive Lane Length. *The maximum drive lane length is subject to requirements of the uniform fire code, but shall not exceed one hundred fifty (150) feet without an emergency turnaround approved by the city; and*
4. Area Calculation. *The flag pole portion of a lot shall not be counted for the purpose of meeting lot area requirements or determining setbacks.*

**FINDING:** No flag lots are proposed with the requested subdivision application.

**R. Construction.** *The following standards shall apply to all driveways and private streets:*

1. Surface Options. *Driveways, parking areas, aisles, and turn-arounds shall be paved with asphalt, concrete or comparable surfacing; alternatively, a durable non-paving material such as pavers, or other materials approved by the city may be used to reduce surface water runoff and protect water quality.*
2. Driveway Aprons. *When driveway approaches or “aprons” are required to connect driveways to the public right-of-way, they shall be constructed to city standards and paved with concrete surfacing. See subsection M, above.*

**FINDING:** As construction occurs, each lot will be required to meet the driveway, parking area and driveway apron requirements listed above. This will be an advisory condition of approval.

## 5. INFRASTRUCTURE STANDARDS

### **SECTION 3.5.100 Purpose and Applicability.**

- A. Purpose.** *This section provides planning and design standards for transportation, sewer, water, and storm drainage infrastructure.*
- B. When Standards Apply.** *All development shall be served with adequate infrastructure including transportation, sewer, water, and storm drainage, in conformance with this section and consistent with the City’s engineering design criteria.*
- C. Standard Specifications.** *The City of Sutherlin general engineering requirements and standard specifications for street, storm drain, sewer, and waterline construction are incorporated in this code by reference.*
- D. Conditions of Development Approval.** *No development may occur unless required public infrastructure is in place or guaranteed, in conformance with the provisions of this code. Improvements required as a condition of development approval, when not voluntarily accepted by the applicant, shall be roughly proportional to the impact of development. Findings in the development approval shall indicate how the required improvements are roughly proportional to the impact.*

**FINDING:** Development of the proposed subdivision will be required to meet the City of Sutherlin standards and specifications and Section 3.5 of the SDC. Development will require the extension of the sanitary sewer, storm drains and water main lines from their

existing mains located within the ROW of Scardi Blvd. Utilities will be required to be extended underground from Scardi Blvd. The design for the installation of the utilities will have to be coordinated with Sutherlin Public Works. The property owner(s)/developer is required to submit engineered plans of the proposed infrastructure, these plans will be reviewed by City Staff as well as the City's Engineer of Record.

#### **SECTION 3.5.110: Transportation Standards.**

**A. Purpose.** *The purpose of this section is to implement the Transportation System Plan and protect the City's investment in the public street system. Upon dedication of streets to the public, the City accepts maintenance responsibility for the street. Failure to meet City standards may place an undue maintenance burden on the public, which may be only marginally benefited by the street improvement. Variances to street standards must be evaluated in this context.*

**B. Development Standards.** *No development shall occur unless the development has frontage onto or approved access from a public street, in conformance with the provisions of section 3.2, Access and Circulation, and the applicable standards of Section 3.5.110.B are met.*

**FINDING:** The proposed subdivision will create 91-lots that will each access directly either onto one of the five proposed local residential streets or Scardi Blvd. Access and Circulation shall meet the development standards within the SDC, Section 3.2 and Section 3.5.110.B. Furthermore, the city finds the proposed streets shall meet the requirements outlined in the Transportation System Plan (TSP) for local residential streets.

**C. Creation of Rights-of-Way for Streets and Related Purposes.** *Streets shall be created through the approval and recording of a final subdivision or partition plat, or quit claim deed, provided that the street is deemed essential by the city for the purpose of implementing the comprehensive plan / transportation system plan, and the deeded right-of-way conforms to the standards of this code. All deeds of dedication shall be in a form prescribed by the city and shall name "the public," as grantee.*

**FINDING:** The City finds that five local residential streets are proposed and will be created as part of this development and dedicated as public ROW. Dedication of the streets as public ROW will occur in conjunction with the recording of the final subdivision plat. The proposed local residential street requirements and dedication be a condition of approval and meet the above stated requirement.

**FINDING:** The City shall coordinate the proposed street names with the Douglas County Addressing Department to verify the names are not a duplicate or similar too existing street name.

**D. Creation of Access Easements.** *Access easements are only allowed with a private street or drive meeting city standards for one single family unit. Access easements are discouraged in all residential districts, unless they are an integral part of a PUD, or required by the city for access management reasons (i.e., shared driveways along arterial streets). The city may approve an access easement*

*established by deed when the easement is necessary to provide for access and circulation in conformance with section 3.2.110 (K).*

**FINDING:** The City finds that each lot will have access onto one of the five proposed local residential streets or existing Scardi Blvd via an individual driveway. If any shared driveways are proposed, they will require reciprocal access easement(s) and driveway maintenance agreement(s) between the affected lots and be identified on the face of the final plat, in accordance with the above requirements.

**E. Street Location, Width and Grade.** *Except as noted below, the location, width and grade of all streets shall conform to the transportation system plan, as applicable; and an approved street plan or subdivision plat. Street location, width and grade shall be determined in relation to existing and planned streets, topographic conditions, public convenience and safety, and in appropriate relation to the proposed use of the land to be served by such streets:*

- 1. Street grades shall be approved by the city, in accordance with the design standards in subsection N, below; and*
- 2. Where the location of a street is not shown in an existing street plan (see subsection H), the location of streets in a development shall either:*
  - a. Provide for the continuation and connection of existing streets in the surrounding areas, conforming to the street standards of this section; or*
  - b. Conform to a street plan adopted by the city council, if it is impractical to connect with existing street patterns because of particular topographical or other existing conditions of the land. Such a plan shall be based on the type of land use to be served, the volume of traffic, the capacity of adjoining streets and the need for public convenience and safety.*

**FINDING:** The improvement of the five proposed local residential streets will be required to meet City standards for street widths, grade and improvement, along with the design, engineering and construction in accordance with the standards above.

**F. Minimum Rights-of-Way and Street Sections.** *Street rights-of-way and improvements shall be the widths in Table 3.5.110. A variance shall be required in conformance with section 5.2.110 to vary the standards in Table 3.5.110. Where a range of width is indicated, the width shall be determined by the decision-making authority based upon a variety of factors, as outlined in this section....*

**FINDING:** Scardi Blvd has an existing 60' ROW where it abuts the subject property. The preliminary plan indicates the five local residential streets will be 60' in ROW, exceeding the required minimum of 48' ROW width with parking on both sides. The ROW is within the range for a local residential street width of 48 feet to 64 feet.

**H. Future Street Plan and Extension of Streets.**

- 1. The City shall require the submittal of a future street plan in conjunction with an application for a subdivision or partition when the subject request could affect development of the city's future street system. The purpose of the future street plan is to facilitate orderly development of an interconnected street system, provide greater certainty to the city and neighboring property owners, and allow for future growth in conformance*

*with the comprehensive plan and transportation system plan. The plan shall show the pattern of existing and proposed future streets from the boundaries of the proposed land division and shall include other parcels within six hundred (600) feet surrounding and adjacent to the proposed land division. The street plan is not binding; rather it is intended to show potential future street extensions with future development*

2. *Streets shall be extended to the boundary lines of the parcel or tract to be developed, when the city determines that the extension is necessary to give street access to, or permit a satisfactory future division of, adjoining land. Developers are encouraged to also install conduits for other utilities in coordination with those utilities. The point where the streets temporarily end shall conform to a-c, below:*

a. *These extended streets or street stubs to adjoining properties are not considered to be cul-de-sacs since they are intended to continue as through streets when the adjoining property is developed.*

b. *A reflective barricade (e.g., fence, bollards, or similar vehicle barrier) shall be constructed at the end of the street by the partitioner or subdivider and shall not be removed until authorized by the city or other applicable agency with jurisdiction over the street. The cost of the barricade shall be included in the street construction cost.*

c. *Temporary turnarounds (e.g., hammerhead or bulb-shaped configuration) shall be constructed for stub streets over one hundred (150) feet in length.*

**FINDING:** The property owner(s)/developer has indicated on their submitted preliminary plan the extension of the two (2) streets to the north for future development of the subject property. Along with one (1) street (proposed Lincoln Ave) to connect to the existing Fairway Ridge, Phase 3 development to allow for connectivity. This will allow for future circulation as development occurs to the north. As condition of approval, the property owner(s)/developer will be required to install a barricade at the end of any dead-end streets less than 150' in length, at each location meeting the above requirements.

**FINDING:** Any dead-end street greater than 150' in length will be required to install a fire apparatus turn-around meeting the requirements of the Oregon Fire Code (OFC), Appendix D.

**I. *Street Alignment and Connections.***

1. *Staggering of streets making "T" intersections at collectors and arterials shall not be designed so that jogs of less than three hundred (300) feet on such streets are created, as measured from the centerline of the intersecting streets.*

2. *Spacing between local street intersections shall have a minimum separation of one hundred twenty-five (125) feet, except where more closely spaced intersections are designed to provide an open space, pocket park, common area or similar neighborhood amenity. This standard applies to four-way and three-way (off-set) intersections.*

3. *All local and collector streets that abut or stub to a development site shall be extended within the site to provide through circulation unless prevented by environmental or topographical constraints, existing development patterns or compliance with other standards in this Code. This exception applies when it is not possible to redesign or reconfigure the street pattern to provide required extensions. Land is considered topographically constrained if the slope is greater than fifteen (15) percent for a distance of two hundred fifty (250) feet or more. In the case of environmental or topographical constraints, the mere presence of a constraint is not sufficient to show that a street connection is not possible. The applicant must show why the environmental or topographic constraint precludes some reasonable street connection.*

4. *Proposed streets or street extensions shall be located to provide direct access to existing or planned commercial services and other neighborhood facilities, such as schools, shopping areas and parks.*

5. *In order to promote efficient vehicular and pedestrian circulation throughout the city, the design of subdivisions and alignment of new streets shall conform to the following standards in chapter 3.2, Access and Circulation. The maximum block length shall not exceed:*

a. *Residential districts – Six hundred (600) feet; . . .*

*Exceptions to the standards in a-b may be granted when an access way is provided at or near mid-block, in conformance with the provisions of section 3.2.120A.*

**FINDING:** The Subdivision application proposes to improve two access locations onto the portion of Scardi Blvd that is under the jurisdiction of the City of Sutherlin. Scardi Blvd is classified as a local residential street, requiring a minimum of 125' separation as stated above and shall meet the requirements outlined in Section 3.5.110.K

**J. *Sidewalks, Planter Strips, Bicycle Lanes.*** *Sidewalks, planter strips, and bicycle lanes shall be installed in conformance with the standards in Table 3.5.110F, applicable provisions of the transportation system plan, the comprehensive plan, and adopted street plans. Maintenance of sidewalks, curbs, and planter strips is the continuing obligation of the adjacent property owner.*

**FINDING:** The property owner(s)/developer are required to construct sidewalks as depicted in the local residential street requirements (Figure 10, Section 3.5.110). Planter strips are not required along the five (5) proposed local residential streets, however a planter strip is required along Scardi Blvd and will be listed as a condition of approval.

**K. *Intersection Angles.*** *Streets shall be laid out so as to intersect at an angle as near to a right angle as practicable, except where topography requires a lesser angle or where a reduced angle is necessary to provide an open space, pocket park, common area or similar neighborhood amenity. In addition, the following standards shall apply:*

1. *Streets shall have at least twenty-five (25) feet of tangent adjacent to the right-of-way intersection unless topography requires a lesser distance;*



2. *Intersections which are not at right angles shall have a minimum corner radius of twenty (20) feet along the right-of-way lines of the acute angle; and*
3. *Right-of-way lines at intersection with arterial streets shall have a corner radius of not less than twenty (20) feet.*

**FINDING:** The intersection of the proposed street will need to be designed and constructed to meet the standards above.

**L. Existing Rights-of-Way.** *Whenever existing rights-of-way adjacent to or within a tract are of less than standard width, additional rights-of-way shall be provided at the time of partition, subdivision, or development, subject to the provision of section 3.5.100.D.*

**FINDING:** The City finds that no additional ROW is required to be dedicated at this time.

**M. Cul-de-sacs.** *A dead-end street shall be no more than four hundred (400) feet long, and shall only be used when open space (e.g., street ends at park or greenway), environmental, or topographical constraints; existing development patterns; or compliance with other standards in this code preclude street extension and through circulation. Such dead-end-street shall conform to all of the following standards:*

1. *The city may require a dead-end or cul-de-sac street to stub to the outer property line of the development when future street extension may be possible through redevelopment of an adjacent property (e.g., existing development on adjacent property could redevelop and allow extension in foreseeable future).*
2. *All cul-de-sacs exceeding one hundred fifty (150) feet shall terminate with a circular or hammer-head turnaround. Circular turnarounds shall have a radius of no less forty (40) feet (i.e., from center to edge of pavement); except that turnarounds may be larger when they contain a landscaped island or parking bay in their center. When an island or parking bay is provided, there shall be a fire apparatus lane of twenty (20) feet in width; and*
3. *The length of the cul-de-sac shall be measured along the centerline of the roadway from the near side of the intersecting street to the farthest point of the cul-de-sac.*

**FINDING:** The preliminary plan indicates one cul-de-sac is proposed with this application. The proposed cul-de-sac must comply with the above standard and with the Oregon Fire Code, Appendix D (road widths, turning radius, etc).

**N. Grades and Curves.** *Grades shall not exceed ten (10) percent on arterials, twelve (12) percent on collector streets, or twelve (12) percent on any other street (except that local or residential access streets may have segments with grades up to 15% for distances of no greater than 250 feet) when approved by the city engineer, and:*

1. *Curb radii shall not be less than seven hundred (700) feet on arterials, five hundred (500) feet on major collectors, three hundred fifty*

*(350) feet on minor collectors, or one hundred (100) feet on other streets; and*

*2. Streets intersecting with a minor collector or greater functional classification street, or streets intended to be posted with a stop sign or signalization shall provide a landing averaging five percent or less. Landings are that portion of the street within twenty (20) feet of the edge of the intersecting street at full improvement.*

**FINDING:** The City finds the proposed new local residential streets shall be constructed and improved to conform and meet the grade and curb radii listed above.

***O. Curbs, Curb Cuts, Ramps, and Driveway Approaches.*** *Concrete curbs, curb cuts, wheelchair and bicycle ramps, and driveway approaches shall be constructed in accordance with standards specified in section 3.2 Access and Circulation.*

**FINDING:** Construction of the future driveway accesses for each lot will be required to comply with the applicable standards outlined above.

***T. Street Names.*** *No street name shall be used that duplicates or could be confused with the names of existing streets in the vicinity of the city, except for extensions of existing streets. Street names, signs and numbers shall conform to the established pattern in the surrounding area, except as requested by emergency service providers. Street names shall conform to section 12.24, as amended, of the Sutherlin Municipal Code.*

**FINDING:** The property owner(s)/developer have proposed the following road names: Jordan Street, Nicholas Avenue, Lincoln Avenue, Miles Court and Reed Street as road names within the subdivision. The City will coordinate with the Douglas County Addressing section to determine if the names meet the above listed requirements and are sufficient.

***U. Filed Street Survey and Survey Monuments Required.*** *Upon completion of a street improvement and prior to acceptance by the city, it shall be the responsibility of the developer's registered professional land surveyor to provide certification to the city that all boundary and interior monuments shall be reestablished and protected and required street survey(s) have been filed.*

**FINDING:** The property owner(s)/developer upon completion of the street improvements and prior to the acceptance by the city shall provide certification of the street improvements as stated within this section.

***V. Street Signs.*** *The city, county or county with jurisdiction shall install all signs for traffic control and street names. The cost of signs required for new development shall be the responsibility of the developer. Street name signs shall be installed at all street intersections. Stop signs and other signs may be required.*

**FINDING:** The property owner(s)/developer shall coordinate with the City for the necessary street signs to be ordered. It is the responsibility of the property

owner(s)/developer to pay for necessary street signage as needed with the proposed subdivision. This will be noted as a condition of approval.

**W. Mail Boxes.** *Plans for mail boxes to be used shall be approved by the United States Postal Service.*

**FINDING:** Prior to final approval, mail boxes to be used for the development will be required to be approved by the U.S. Postal Service, as outlined above.

**X. Street Light Standards.** *Street lights shall be installed in accordance with city standards.*

**FINDING:** The preliminary subdivision plat indicates eight (8) street lights will be installed. Property owner(s)/developer are responsible for coordinating with the City and for the installation of streetlights within the subdivision per city street light policy (Resolution No. 2006-03). Location of the street lights will require coordination with the Community Development Department.

**Y. Street Cross-Sections.** *The final lift of asphalt or concrete pavement shall be placed on all new constructed public roadways prior to final city acceptance of the roadway.*

1. *Sub-base and leveling course shall be of select crushed rock;*
2. *Surface material shall be of Class C or B asphaltic concrete;*
3. *The final lift shall be Class C asphaltic concrete as defined by A.P.W.A. standard specifications; and*
4. *No lift shall be less than one and one half (1 ½) inches in thickness.*

**FINDING:** The final plans and construction of the new local residential streets will require compliance with the above street cross-sections prior to final city acceptance of the roadway.

**Z. Traffic Impact Studies.** *The following provisions establish when a proposal must be reviewed for potential transportation impacts; when a Traffic Impact Study (TIS) must be submitted with a development application in order to determine whether conditions are needed to minimize impacts to and protect transportation facilities; the required contents of a TIS; and who is qualified to prepare the analysis.*

1. *When a Transportation Impact Study (TIS) is required. The City or other road authority with jurisdiction may require a TIS as part of an application for development, a change in use, or a change in access. A TIS shall be required where a change of use or a development would involve one or more of the following:*
  - a. *A change in zoning or a plan amendment designation;*
  - b. *Operational or safety concerns documented in writing by a road authority;*
  - c. *An increase in site traffic volume generation by 300 Average Daily Trips (ADT) or more; .....*

2. *TIS Preparation. The TIS shall be prepared by a professional engineer with competence in traffic engineering, licensed in the State of Oregon. If the TIS identifies level of service conditions less than the minimum standard established in the Transportation System Plan, improvements and funding strategies mitigating the problem shall be considered concurrent with the development proposal.*
3. *Approval Criteria. The TIS shall be reviewed according to the following criteria:*
  - a. *The analysis complies with the content requirements set forth by the City and/or other road authorities as appropriate;*
  - b. *The study demonstrates that adequate transportation facilities exist to serve the proposed land use action or identifies mitigation measures that resolve identified traffic safety problems in a manner that is satisfactory to the road authority;*
  - c. *For affected City facilities, the study demonstrates that the project meets mobility and other applicable performance standards established in the SDC and TSP, and includes identification of multi-modal solutions used to meet these standards, as needed; and*
  - d. *Proposed design and construction of transportation improvements are in accordance with the design standards and the access spacing standards specified in the SDC and TSP.*
4. *Conditions of Approval.*
  - a. *The City may deny, approve, or approve a proposal with conditions necessary to meet operational and safety standards; provide the necessary right-of-way for planned improvements; and require construction of improvements to ensure consistency with the future planned transportation system.*
  - b. *Construction of off-site improvements, including those related to bicycle and pedestrian facilities, may be required to mitigate impacts resulting from development that relate to capacity deficiencies and public safety; and/or to upgrade or construct public facilities to City standards.*
  - c. *Where the existing transportation system is shown to be impacted by the proposed use, improvements such as paving; curbing; installation of or contribution to traffic signals; and/or construction of sidewalks, bikeways, access ways, paths, or streets that serve the proposed use may be required.*
  - d. *Improvements required as a condition of development approval, when not voluntarily provided by the applicant, shall be roughly proportional to the impact of the development on transportation facilities. Findings in the development approval shall indicate how the required improvements directly relate to and are roughly proportional to the impact of development.*

**FINDING:** As previously stated within this staff report, part of the 2007 Alaska Sutherland Knolls Corp (ASKC), Plan Amendment and Zone Change applications (PA-07-3/ZC-07-4), Oregon Department of Transportation (ODOT) responded recommending the City to adopt specific transportation policies and findings into their Ordinance, then allowing approval of the proposed plan amendment and zone change. A portion of the

applicants proposed development is within a portion of the recommended policy put into place. Policy 4 – Transportation Improvements: *The City will require the applicant to submit a detailed TIS for each new phase of development on the ASKC property.* With this the property owner(s)/developer hired a Traffic Engineer, licensed in the State of Oregon, to complete a Traffic Impact Analysis (TIA). The TIA was submitted to ODOT and to the City of Sutherlin for review. The submitted TIA evaluated the transportation impacts as per the City of Sutherlin and ODOT criteria, evaluating adjacent roadway and intersection operation with the addition of development traffic for the year of completion and a 5-year future analysis. The TIA indicated that all studied intersections operate within the mobility standards with and without the development traffic. Part of the development will include the construction of an emergency access road that is sufficient for the anticipated need.

## 6. SECTION 3.5.120 PUBLIC USE AREAS

### A. ***Dedication Requirements.***

1. *Where a proposed park, open space, playground, public facility, or other public use shown in a plan adopted by the city is located in whole or in part in a partition or subdivision, the city may require the dedication or reservation of this area on the final plat for the partition or subdivision.*
2. *If determined by the planning commission to be in the public interest in accordance with adopted comprehensive plan policies, and where an adopted plan of the city does not indicate proposed public use areas, the city may require the dedication or reservation of areas within the subdivision of a character, extent and location suitable for the development of parks and other public uses.*
3. *All required dedications of public use areas shall conform to section 3.5.100D regarding conditions of approval and proportionality of exactions.*

### B. ***Acquisition by Public Agency.*** *If the developer is required to reserve land area for a park, playground, or other public use, the land shall be conveyed to a public agency or other entity approved by the city for management and maintenance within twelve (12) months of final plat approval, or the reservation shall be released to the property owner.*

### C. ***System Development Charge Credit.*** *Dedication of land to the city for public use areas shall be eligible as a credit toward any required system development charge for parks, water, sewer, or storm water, as applicable.*

**FINDING:** As proposed, no public use areas, including parks, open space, playground, public facility or other public use, are proposed to be dedicated as part of this subdivision.

## SECTION 3.5.130 SANITARY SEWER AND WATER SERVICE IMPROVEMENTS

### A. ***Sewers and Water Mains Required.*** *Sanitary sewers and water mains shall be installed to serve each new development and to connect developments to existing mains in accordance with the city's construction specifications and the applicable comprehensive plan policies.*

### B. ***Sewer and Water Plan Approval.*** *Development permits for sewer and water improvements shall not be issued until the city engineer of record has approved all*

*sanitary sewer and water plans in conformance with city standards.*

- C. *Over-sizing.*** *Proposed sewer and water systems shall be sized to accommodate additional development within the area as projected by the comprehensive plan. The developer shall be entitled to system development charge credits for the over-sizing.*
- D. *Permits Denied.*** *Development permits may be restricted by the city through moratoria, in conformance with ORS 197.505, where a deficiency exists in the existing water or sewer system that cannot be rectified by the development, and which if not rectified will result in a threat to public health or safety, surcharging of existing mains, or violations of county or federal standards pertaining to operation of domestic water and sewerage treatment systems.*

**FINDING:** The condition(s) of approval will require the property owner(s)/developer to coordinate with Sutherlin Public Works for the design, engineering and installation of the required sanitary sewer and water service improvements, along with the submittal of engineered plans meeting the above standards. The proposed infrastructure requires three (3) sets of engineered plans submitted to the Community Development Department. The City Engineer of Record is required to review the plans, the fee for this review is the responsibility of the property owner(s)/developer.

## **7. SECTION 3.5.140 STORM DRAINAGE**

- A. *General Provisions.*** *The city shall issue a development permit only where adequate provisions for storm water and flood water runoff have been made.*
- B. *Accommodation of Upstream Drainage.*** *Culverts and other drainage facilities shall be large enough to accommodate potential runoff from the entire upstream drainage area, whether inside or outside the development, in conformance with the city's storm drainage master plan. Such facilities shall be subject to review and approval by the city engineer.*
- C. *Effect on Downstream Drainage.*** *The effect on downstream drainage shall be evaluated in all project proposals, and all projects shall conform to the storm drainage master plan. Where it is anticipated by the city that the additional runoff resulting from the development will overload an existing drainage facility, the city shall withhold approval of the development until provisions have been made for improvement of the potential condition or until provisions have been made for storage of additional runoff caused by the development in accordance with city standards.*
- D. *Easements.*** *Where a development is traversed by a watercourse, drainage way, channel or stream, there shall be provided a storm water easement or drainage right-of-way provided for conveyance of storm water. The easement shall be subject to review and approval by the city engineer and shall include at a minimum the watercourse and such further width as will be adequate for conveyance and maintenance.*
- E. *Certification of No Impact to Neighboring Property.*** *Developers shall submit a stamped certification by a licensed engineer stating that the rate of storm water drainage during and after development will not increase as a result of the proposed development. The certification shall further state that the developer will adhere to all applicable storm drainage, grading, erosion, and sediment control requirements. The city may impose conditions of approval and/or require submittal*

*of engineered plans that demonstrate there will be no impact to neighboring properties.*

**FINDINGS:** Surface and storm water management will be required to be addressed by the property owner(s)/developer as part of the design, engineering and construction of the development. The design for construction of the improvements will have to be coordinated with City of Sutherlin Public Works and be engineered. Future development on each lot will be required to meet the standards for the surfacing of driveways and parking areas, and surface water management. A certification by a licensed engineer stating that the rate of storm water drainage during and after development will not increase as a result of the proposed development. Thus, demonstrating there will be no impact to neighboring properties. A condition of approval requires the developer to submit a stamped certification by a licensed engineer stating that the rate storm water drainage during and after development will not increase as a result of the proposed development and does not impact the existing system as outlined above.

## 8. SECTION 3.5.150 UTILITIES

- A. *Underground Utilities.*** *Except where above-ground utility lines already exist, all new or relocated utility lines including, but not limited to, those required for electric, communication, lighting and cable television services and related facilities shall be placed underground. This requirement does not apply to surface mounted connection boxes and meter cabinets, temporary utility service facilities during construction, and high capacity electric lines operating at fifty thousand (50,000) volts or above. In order to facilitate underground placement of utilities as required by this section, the following additional standards apply to all new subdivisions:*
- 1. The developer shall make all necessary arrangements with the serving utility to provide the underground services. Care shall be taken to ensure that all above ground equipment does not obstruct vision clearance areas for vehicular traffic (section 3.2);*
  - 2. The city reserves the right to approve the location of all surface mounted facilities;*
  - 3. All underground utilities, including sanitary sewers and storm drains installed in streets by the developer, shall be constructed prior to the surfacing of the streets; and*
  - 4. Stubs for service connections shall be long enough to avoid disturbing the street improvements when service connections are made.*
- B. *Easements.*** *Easements shall be provided for all underground utility facilities.*
- C. *Exception to Under-Grounding Requirement.*** *Pursuant to a Type II process, an exception to the under-grounding requirement may be granted due to physical constraints, such as steep topography, sensitive lands (section 3.6), or existing development conditions.*

**FINDING:** The conditions of approval require the property owner(s)/developer to provide and/or install underground utilities to serve the proposed lots, as outlined above, including any necessary utility easements.

## 9. SECTION 3.5.160 EASEMENTS

**Easements.** *Easements for sewers, storm drainage and water quality facilities, water mains, electric lines or other public utilities shall be dedicated on a final plat, or provided for in the deed restrictions. See also, section 4.3 Development Review and Site Plan Review, and chapter 4.4 Land Divisions and Lot Line Adjustments. The developer or applicant shall make arrangements with the city, the applicable district and each utility franchise for the provision and dedication of utility easements necessary to provide full services to the development. The city's standard minimum width for public main line utility easements shall be fifteen (15) feet unless otherwise specified by the utility company, applicable district, or city engineer.*

**FINDING:** Easement for sewers, storm drainage and water quality facilities, water mains, electric lines or other public utilities, as outlined above, be dedicated on the final plat or provided for in the deed restrictions.

### **SECTION 3.5.170 CONSTRUCTION PLAN APPROVAL AND ASSURANCES**

**Construction Plan Approval and Assurances.** *No public improvements, including sanitary sewers, storm sewers, streets, sidewalks, curbs, lighting, parks, or other requirements shall be undertaken except after the plans have been approved by the city, permit fee paid, and permit issued. The permit fee shall be set by city council. The city may require the developer or subdivider to provide bonding or other performance guarantees to ensure completion of required public improvements. See also, section 4.3 Development Review and Site Plan Review, and section 4.4 Land Divisions and Property Line Adjustments.*

**FINDING:** The conditions of approval require that construction plan approval for the public improvements be undertaken as outlined above.

### **10. SECTION 3.5.180 INSTALLATION**

- A. Conformance Required.** *Improvements installed by the developer either as a requirement of these regulations or at his/her own option, shall conform to the requirements of this chapter, approved construction plans, and to improvement standards and specifications adopted by the city.*
- B. Adopted Installation Standards.** *The city's general engineering requirements and standard specifications and the Oregon Chapter A.P.W.A. standard specifications shall be a part of the city's adopted installation standard(s). Where conflict occurs, the A.P.W.A standards shall prevail. Other standards may also be required upon recommendation of the city engineer of record.*
- C. Commencement.** *Work shall not begin until the city has been notified in advance.*
- D. Resumption.** *If work is discontinued for more than one (1) month, it shall not be resumed until the city is notified.*
- E. Engineer's Certification and As-Built Plans.** *A registered civil engineer (or as appropriate) licensed in Oregon shall provide written certification in a form required by the city that all improvements, workmanship and materials are in accord with current and standard engineering and construction practices, conform to approved plans and conditions of approval, and are of high grade, prior to city acceptance of the public improvements, or any portion thereof, for operation and maintenance. The developer's engineer shall also provide two (2) set(s) of "as-*



*built” plans, in conformance with the city engineer’s specifications, for permanent filing with the city.*

- F. City Inspection.** *Improvements shall be constructed under the inspection and to the satisfaction of the city. The city may require minor changes in typical sections and details if unusual conditions arising during construction warrant such changes in the public interest. Modifications requested by the developer shall be subject to review and approval under section 4.7, Modifications to Approved Plans and Conditions of Approval. Any monuments that are disturbed before all improvements are completed by the subdivider shall be replaced prior to final acceptance of the improvements.*

**FINDING:** The conditions of approval require that improvements installed by the property owner(s)/developer either as a requirement of these regulations or at his/her own option, shall conform to the requirements of Chapter 3 of the SDC, approved construction plans, and to improvement standards and specifications adopted by the city, as specified above. Also, a registered civil engineer (or as appropriate) licensed in Oregon shall provide written certification in a form required by the city that all improvements, workmanship, and materials are in accordance with current and standard engineering and construction practices, conform to approved plans and conditions of approval, and are of high grade, prior to city acceptance of the public improvements, or any portion thereof, for operation and maintenance.

## **11. APPROVAL CRITERIA – TENTATIVE PLAN**

**SECTION 4.4.140 Approval Criteria-Tentative Plan.** *The city shall approve, approve with conditions or deny a tentative plan based on the following approval criteria:*

- A.** *The proposed plat name is not already recorded for another subdivision, and satisfies the provisions of ORS Chapter 92;*

**FINDING:** The City finds, according to the County Surveyor, that the proposed plat name (Ridgeview Subdivision) is not already been recorded for another subdivision within the County, and satisfies the provisions of ORS Chapter 92.

- B.** *The proposed streets, roads, sidewalks, bicycle lanes, pathways, utilities, and surface water management facilities are laid out so as to uniformly transition to such facilities in existing or approved subdivisions and partitions on adjoining property as to width, general direction and in all other respects.*

**FINDING:** As previously stated with this report, the 91-lot subdivision will be developed with internal local residential streets that allow for future connectivity to adjacent development. The property owner(s)/developer will be required to improve the proposed streets to City standards prior to final acceptance by the City.

- C.** *Lot Size and Residential Density. The subdivision meets the lot size and residential density standards required by the zoning district (chapter 2).*

**FINDING:** The City finds the R-1 residential lot size standards have been or will be met, as discussed earlier in this report. The property owner(s)/developer is proposing the development of 91-lots to be developed, meeting the development standards outlined in

**D.** *When dividing a tract into large lots or parcels (i.e. greater than two times or 200 percent the minimum lot size allowed in the underlying zoning district, the lots parcels are of such size, shape and orientation as to facilitate future re-division in accordance with the requirements of the zoning district and this code.*

**FINDING:** As proposed, the subdivision will create 91-lots to be developed, on a 22.00± acre portion of the 193.11 acre subject property. Upon completion of the development, there will be sufficient area to permit further redevelopment of the remaining lot, therefore a redevelopment plan is required for this project.

**E.** *Block and lot standards. All proposed blocks (i.e., one (1) or more lots bound by public streets), lots and parcels conform to the specific requirements below:*

- 1. All lots and blocks shall comply with the lot area, setback, and dimensional requirements of the applicable zoning district (chapter 2), and the standards of section 3.2 Access and Circulation, and the flag lot standards of section 3.2.110 (Q), if applicable.*
- 2. Setbacks shall be as required by the applicable zoning district (chapter 2).*
- 3. Every lot shall conform to the standards of section 3.2, Access and Circulation.*
- 4. The applicant may be required to install landscaping, walls, fences, or other screening as a condition of subdivision approval. See also, chapter 2 Zoning Districts, and section 3.3, Landscaping, Street Trees, Fences and Walls.*
- 5. In conformance with the uniform fire code, a twenty (20) foot width fire apparatus access drive shall be provided to serve all portions of a building that are located more than one hundred fifty (150) feet from a public right-of-way or approved access drive. See also, section 3.2 Access and Circulation.*
- 6. Where a common private drive is to be provided to serve more than one lot, a reciprocal easement which will ensure access and maintenance rights shall be recorded with the approved subdivision or partition plat and the county clerk's reference number shown on the face of the plat.*

**FINDING:** The property owner(s)/developer shall comply with the above listed block and lot standards outlined in the SDC.

**F.** ***Minimize Flood Damage.*** *All subdivisions and partitions shall be designed based on the need to minimize the risk of flood damage. No new building lots shall be created entirely within a floodway. All new lots shall be buildable without requiring development within the floodway. Development in a one hundred (100) year flood plain shall comply with federal emergency management agency requirements, including filling to elevate structures above the base flood elevation. The applicant shall be responsible for obtaining such approvals from the appropriate agency before city approval of the final plat.*

**FINDING:** The City finds the subject property is not located in a designated flood plain, as indicated on the FEMA maps dated February 17, 2010.

**G. *Determination of Base Flood Elevation.*** *Where a development site consists of ten (10) or more lots, or is located in or near areas prone to inundation, and the base flood elevation has not been provided or is not available from another authoritative source, it shall be prepared by a qualified professional, as determined by the Director.*

**FINDING:** Although more than ten (10) lots are proposed, the City finds that the subject property is not located within a designated floodplain, as indicated on the FEMA maps dated February 17, 2010.

**H. *Need for Adequate Utilities.*** *All lots created through land division shall have adequate public utilities and facilities such as sewer, gas, electrical, and water systems located and constructed to prevent or minimize flood damage to the extent practicable.*

**FINDING:** The City finds public and private utilities can be made available to the proposed lots.

***Need for Adequate Drainage.*** *All subdivision and partition proposals shall have adequate surface water drainage provided to reduce exposure to flood damage. Water quality or quantity control improvements may be required.*

**FINDING:** The subject property is not located in a designated floodplain; however, the City finds that surface drainage and storm water will have to be addressed as part of the development of this subdivision, along with the grading and construction of the proposed streets.

**I. *Floodplain, Park, and Open Space Dedications.*** *Where land filling and/or development is allowed within or adjacent to the one hundred (100) year flood plain outside the zero-foot rise flood plain, and the comprehensive plan designates the subject flood plain for park, open space, or trail use, the City may require the dedication of sufficient open land area for a greenway adjoining or within the flood plain. When practicable, this area shall include portions at a suitable elevation for the construction of a pedestrian/bicycle pathway within the flood plain in accordance with the city's adopted trails plan or pedestrian and bikeway plans, as applicable. The city shall evaluate individual development proposals and determine whether the dedication of land is justified based on the development's impact to the park and/or trail system, consistent with section 3.5, and section 3.5.100.D in particular.*

**FINDING:** The City finds the Sutherlin Comprehensive Plan does not designate the property as floodplain, or as a future park or open space development. The proposed lots are planned for single family residential development.

**K. *Phased Development.*** *The city may approve a time schedule for developing a subdivision in phases, but in no case shall the actual construction time period*

*(i.e., for required public improvements, utilities, streets) for any partition or subdivision phase be greater than two (2) years without reapplying for a tentative plan approval. The criteria for approving a phased land division proposal are:*

- 1. Public facilities shall be constructed in conjunction with or prior to each phase;*
- 2. The development and occupancy of any phase dependent on the use of temporary public facilities shall require city receipt of bonding or other assurances to cover the cost of required permanent public improvements, in accordance with Section 4.4.180. A temporary public facility is any facility not constructed to the applicable city standard;*
- 3. The phased development shall not result in requiring the city or a third party (e.g., owners of lots) to construct public facilities that were required as part of the approved development proposal.*

**FINDING:** As proposed, the property owner(s)/developer plans to develop the proposed 91-lot subdivision in three phases. Phase 1 will consist of 38 lots and shall include a temporary fire turn-around at the end of each street, Phase 2 will consist of 34 lots, including the extension of the streets constructed in Phase 1. Phase 3 will consist of 19 lots, the remainder of streets, including a 50' radius cul-de-sac. The City finds that the proposed public facilities, including public water and sanitary sewer will be constructed in conjunction with or prior to each phase. The City further finds that the development and occupancy of any phase dependent on the use of temporary public facilities shall require city bonding or other assurances to cover the cost of the required permanent public improvements, as outlined above, and shall comply with the bonding mechanisms provided in the SDC. Furthermore, the phased development shall not result in requiring the city or a third party (e.g. owners of lots) to construct public facilities that were required as part of the approved development proposal.

**L. *Lot Size Averaging.*** *The city may allow residential lots or parcels less than the minimum lot size under the applicable zoning district for projects that provide common open space or active recreation land and facilities. Such open space shall provide public access easements containing paved trails. The lot or parcel sizes shall meet the following:*

- 1. The average area for all residential lots or parcels shall not be less than that allowed by the underlying zone; and*
- 2. No lot or parcel created under this provision shall be less than eighty (80) percent of the minimum lot size allowed in the underlying zone.*  
*For example, if the minimum lot size is seven thousand (7,000) square feet, the following three (3) parcels could be created as part of a single partition application: six thousand (6,000) square feet, seven thousand (7,000) square feet, and nine thousand (9,000) square feet.*

**FINDING:** The City finds this criterion for lot averaging is not applicable because the subdivision will not create any lots less than the 7,000 sq. ft. minimum lot size, therefore meeting the requirement of the R-1 zone.

**M. *Temporary Sales Office.*** *A temporary sales office in conjunction with a subdivision may be approved as set forth in section 4.10.100, Temporary Uses.*

**FINDING:** The property owner(s)/developer has not requested a temporary sales office as part of their request. The City finds this criterion is not applicable.

**N. Conditions of Approval.** *The city may attach such conditions as are necessary to carry out provisions of this code, and other applicable ordinances and regulations, and may require landscape screening between uses, or access reserve strips granted to the city for the purpose of controlling access to adjoining undeveloped properties. See also, section 3.5.100.D (Infrastructure).*

**FINDING:** The City finds there are conditions necessary to assure the subdivision is recorded in compliance with City requirements as stated in this report. The conditions are listed below in the staff report.

**4.4.160 Final Plat Submission Requirements and Approval Criteria.**

**A. Submission Requirements.** *Final plats shall be reviewed and approved by the city prior to recording with Douglas County. The applicant shall submit the final plat within two (2) years of the approval of the tentative plan as provided by section 4.4.120. Specific information about the format and size of the plat, number of copies and other detailed information can be obtained from the city. The city will not accept as complete an application for final plat until the tentative plan has been approved.*

**B. Approval Criteria.** *By means of a Type I procedure, the Community Development Director shall review the final plat and shall approve or deny the final plat based on findings regarding compliance with the following criteria:*

- 1. The final plat complies with the approved tentative plan, and all conditions of approval have been satisfied;*
- 2. All public improvements required by the tentative plan have been installed and approved by the Community Development Director. Alternatively, the developer has provided a performance guarantee in accordance with section 4.4.180;*
- 3. The streets and roads for public use are dedicated without reservation or restriction other than revisionary rights upon vacation of any such street or road and easements for public utilities;*
- 4. The streets and roads held for private use have been approved by the city as conforming to the tentative plan and, where applicable, the associated PUD;*
- 5. Surface Water Management. When a paved surface is used, all driveways, parking areas, aisles and turn-arounds shall have on-site collection or infiltration of surface waters to minimize sheet flow of such waters onto public rights-of-way and abutting property. Surface water facilities shall be constructed in conformance with city standards.*
- 6. The plat contains a dedication to the public of all public improvements, including but not limited to streets, public pathways and trails, access reserve strips, parks, and sewage disposal, storm drainage, and water supply systems;*
- 7. The applicant has provided copies of all recorded homeowners association Codes, Covenants, and Restrictions (CC&R's), deed restrictions, private easements and agreements (e.g., for access, common*

*areas, parking, etc.), and other recorded documents pertaining to common improvements recorded and referenced on the plat;*

*8. Water and sanitary sewer service is available to each and every lot, is provided; or bond, contract or other assurance has been provided by the subdivider to the city that such services will be installed in accordance with section 3.5, Infrastructure Standards, and the bond requirements of section 4.4.180. The amount of the bond, contract or other assurance by the subdivider shall be determined by a registered professional engineer, subject to review and approval by the city; and*

*9. The plat contains an affidavit by the surveyor who surveyed the land represented on the plat to the effect the land was correctly surveyed and marked with proper monuments as provided by ORS Chapter 92, and indicating the initial point of the survey, and giving the dimensions and kind of such monument, and its reference to some corner established by the U.S. Geological Survey or giving two or more permanent objects for identifying its location.*

**FINDING:** The City finds the property owner(s)/developer shall meet the final plat submission requirements and approval criteria in the SDC, section 4.4.160 listed above along with conforming to all applicable requirements of section 3.5, Infrastructure Standards of the SDC.

**4.4.170 Public Improvement Approval.** *Before city approval is certified on the final plat, all required public improvements shall be installed, inspected, and approved, or the subdivier shall provide a performance guarantee, in accordance with section 4.4.180.*

**FINDING:** Prior to the Community Development Director signature on the final plat, the property owner(s)/developer shall meet the above referenced public improvement requirements outlined in Section 4.4.180 of the SDC.

## **ACTION ALTERNATIVES**

Based on the applicant's findings, the city staff report and the testimony and evidence provided during the public hearing, the Planning Commission can close the public hearing and move to either:

**Action Alternative No. 1 Approve** the requested Subdivision for 91-lots to be developed in three phases (Phase 1, 1-38 lots, Phase 2, 39-72, and Phase 3, 73-91) application on a 22.00± acre portion of the total 193.11 acre subject property, subject to the following conditions:

1. The property owner(s)/developer shall submit a final Subdivision Plat which substantially conforms to the approved preliminary Plan in all aspects except as specifically conditioned by the Planning Commission, as well as the general standards and survey plat requirements prescribed by the SDC. Any alterations shall be reviewed by the Community Development Department.
2. The property owner(s)/developer shall meet all requirements of final plat submission and approval criteria in Section 4.4.160 of the SDC. Each phase is approved for a period of two (2) year, for a total of six (6) years for this approval, unless an extension to the applicable phase is granted pursuant to Section 4.4.120 of the SDC.

3. Prior to final plat approval property owner(s)/developer shall provide detailed engineered construction plans to be approved by the City of Sutherlin prior to construction. These plans include but are not limited to design of streets, water, sewer, storm water, grading, and erosion control. Three (3) sets of detailed engineered plans are required to be submitted to the Community Development Department and be routed to the appropriate City Departments; along with a review conducted by the City Engineer of Record. The fee for the review conducted by the City Engineer of Record is required to be paid by the property owner(s)/developer at time of review.
4. Property owner(s)/developer shall coordinate with the City Public Works for the design and installation of water lines with valves, laterals and water meters at the property line to city standards. The water main(s) are required to be sized at 8" diameter; and have a minimum depth of 36" to allow for future connections. Three (3) sets of detailed engineered plans are required to be submitted to the Community Development Department and be routed to the appropriate City Departments; along with a review conducted by the City Engineer of Record. The fee for the review conducted by the City Engineer of Record is required to be paid by the property owner(s)/developer at time of review.
5. Property owner(s)/developer shall coordinate with the City Public Works for the design and installation of sanitary sewer improvements to city standards. This requires an extension of the 4" pressure sewer main that is located within the right-of-way of Scardi Blvd, along with the installation of a manhole every 300' to 400'. Three (3) sets of detailed plans (main and lateral detail) of engineered plans are required to be submitted to the Community Development Department and be routed to the appropriate City Departments; along with a review conducted by the City Engineer of Record. The fee for the review conducted by the City Engineer of Record is required to be paid by the property owner/developer at time of review.
6. Prior to submitting a final subdivision plat, the developer shall install an engineered, properly sized, and City approved storm drainage system that captures all street and rooftop runoff in the subdivision and pipes it into the existing storm drainage system. The subdivision's storm drainage system shall be designed and constructed to accommodate the existing runoff volumes from the contributory slopes uphill of the subject property.
7. The property owner(s)/developer shall improve and dedicate the required ROW for the interior local residential streets (60' ROW). The design of the proposed streets shall include two 11' travel lanes, two 7' parking lanes, two 6' sidewalks and two 6" curbs. The new streets shall be designed, engineered and constructed in accordance with the standards of the SDC, along with meeting the requirements of the Oregon Fire Code, Appendix D and
  - i. **Prior to** commencing excavation, site preparation or construction of the road, the applicant shall submit three (3) copies of the design plan for the road, prepared by an Oregon Licensed Professional Engineer, to Community Development for routing to necessary departments for review and consistency with the City's design standards.
  - ii. The City (staff) may require additional information to ensure full compliance with design requirements.

- iii. The City's Engineer of Record will review the plans submitted, fee is the responsibility of the property owner/developer and they can require additional information/changes to ensure full compliance with city standards.
  - iv. The applicant shall provide a title report showing clear title to the affected strip of land.
- 8. Prior to beginning construction, the property owner of the subject property shall sign a Development Agreement with the City to complete approved improvements located in city right-of-way to city standards. Prior to final plat approval the developer shall install all required improvements as directed by the City, or submit to the City an acceptable agreement for improvements and Irrevocable Letter of Credit or bond mechanism as specified in Section 4.3.170 of the SDC.
- 9. Property owner(s)/developer shall install city standard fire hydrants meeting the requirements of the Sutherlin Fire Department and Oregon Fire Code, Appendix C.
- 10. The property owner(s)/developer is required to construct an Emergency Access Road meeting the width, load, sign requirements, along with gate(s), keyed Knoxbox padlocks installed meeting the requirements in the Oregon Fire Code, Appendix D, Chapter 15.04 of the Sutherlin Municipal Code and the Sutherlin Fire Department.
- 11. The property owner(s)/developer shall install an 8' landscape strip along Scardi Blvd, outlined in Table 3.5.110, Figure 10 of the SDC.
- 12. Temporary fire turn-arounds must be installed between construction of Phase 1, Phase 2 and Phase 3. Coordination with the Sutherlin Fire Department is required and shall provide a letter from the Sutherlin Fire Department that all required improvements have been constructed.
- 13. The property owner(s)/developer shall submit a redevelopment plan for the subject property not included in the proposed subdivision application, meeting the standards of Section 4.4.130.D of the SDC.
- 14. All utilities shall be designed per standards and to be located underground, pursuant to Section 3.5.150 of the SDC.
- 15. The property owner(s)/developer shall obtain the necessary ROW activity permit(s) for improvements and access within the ROW of Scardi Blvd from the City of Sutherlin.
- 16. Property owner(s)/developer shall submit a stamped certification by a licensed engineer stating that the rate of storm water drainage during and after development will not increase as a result of the proposed development. The certification shall further state that the developer will adhere to all applicable storm drainage, grading, erosion, and sediment control requirements. The City may impose conditions of approval and/or require submittal of engineered plans that demonstrate there will be no impact to neighboring properties.
- 17. Property owner(s)/developer shall submit an Engineer's Certification by a registered civil engineer (or as appropriate) license in Oregon shall provide written certification in a form



required by the city that all improvements, workmanship and materials are in accord with current and standard engineering and construction practices, conform to approved plans and conditions of approval, and are of high grade, prior to city acceptance of the public improvements, or any portion thereof, for operation and maintenance.

18. Property owner(s)/developer shall provide two (2) set(s) of “as-built” plans, in conformance with the city’s engineers specifications, for permanent filing with the city.
19. All necessary easements shall be shown and referenced on the final subdivision plat. Required recorded easements and agreements, reciprocal easements and maintenance agreements for the shared private drives, storm water drainage easements, public and private utility easements.
  - a. All easements outside of dedicated rights-of-way must be shown and described as to type and use on the face of the final plat.
20. Property owner(s)/developer shall obtain a 1200-C NPDES Storm Water Discharge Permit prior to construction as required by the Oregon Department of Environmental Quality.
21. Any shared driveways shall be identified on the face of the final plat. Property owner/developer shall provide and record on the plat any reciprocal access and maintenance agreements for any affected lots
22. Property owner(s)/developer shall install eight (8) streetlights as indicated on the preliminary plan and per city street light policy (Resolution No. 2006-03). Coordination of the street lights with the Sutherlin Community Development Department is required,
23. Property owner(s)/developer shall install mailboxes in accordance with city standards. Plans for mail boxes shall be approved by the US Postal Service.
24. Property owner(s)/developer shall submit the proposed street names to the City of Sutherlin Community Development Department. The proposed street names will need to be verified that they are not in conflict with existing street names with the Douglas County’s Addressing section.
25. In order to assure future extensions of public streets remain available as proposed, the property owner(s)/developer will be required to install reflective barricades in accordance with city standards and be coordinated with the City of Sutherlin Public Works Director.
26. Any dead-street greater than 150’ in length is required to install a fire apparatus turn-around meeting the requirements of Appendix D of the Oregon Fire Code.
27. The cost of all necessary street signs is the responsibility of the property owner(s)/developer. Coordination with the Sutherlin Community Development Department is required for the ordering of the necessary street signs. Sutherlin Public Works Department will be responsible for the installation of the necessary street signs.
28. The property owner(s)/developer shall pay \$25.00 fee to the City of Sutherlin for each lot for the issuance of an address and to coordinate this with Community Development.

29. All necessary easements shall be shown and referenced on the final subdivision plat. Required recorded easements and agreements, reciprocal easements and maintenance agreements for the shared private drives, storm water drainage easements, public and private utility easements.
  - a. All easements outside of dedicated ROW must be shown and described as to type and use on the face of the final plat.
30. The approved subdivision shall be surveyed and monumented as required by ORS Chapter 92, and a final submission plat prepared for City signature. The final plat shall comply with all applicable provisions of ORS Chapter 92, including the standards of ORS 92.050, the survey and monumenting provisions of ORS 92.060, and the declaration requirements of ORS 92.075. The final subdivision plat shall bear the stamp and signature of the Professional Land Surveyor, and shall include a signature line for the Sutherlin Community Development Director and the Planning File Number.
31. If any covenants are to be placed on the subdivision, the applicant shall provide a copy, including the volume and page(s) of the recording with Douglas County, to the City. The applicant shall place a reference on the final plat indicating any covenant restrictions governing the development of the proposed subdivision.
32. The property owner(s)/developer shall provide a letter from the Sutherlin Public Works Director that all required improvements have been constructed and installed to City Construction Specifications.
33. Subdivision plan or plat approval does not constitute home construction approval. Development of the site shall be subject to review and approval of the City of Sutherlin prior to commencing any home construction or site development work.
34. Development of the property shall be subject to City of Sutherlin System Development Charges (SDCs), as well as applicable SDC credits, and such other permits and fees as may apply.
35. An electronic copy (pdf) of recorded final subdivision plat, shall be submitted to the Sutherlin Community Development Department within 10 days after recording.

#### **ADVISORY STATEMENTS**

36. The property owner(s)/developer shall comply with applicable local, county, state and federal regulations as applicable to the Subdivision.
37. For the development of the individual lots, developer must meet City of Sutherlin private driveway standards stated in Chapter 3 of the SDC. Driveways must maintain a minimum separation of 25 feet.
38. At the time of a building permit proposal on any of the new parcels, the permit shall indicate compliance with SDC Section 2.2 R-1 building setbacks and lot coverage requirements; and Vehicle Access and Circulation listed in section 3.2.110 of the SDC.

- a. Where a street or driveway is to be paved, the building permit application shall include provisions for on-site storm water collection or infiltration in accordance with city specifications.

**Action Alternative No. 2 Approve** the requested Subdivision application, subject to modifications or additional conditions of approval;

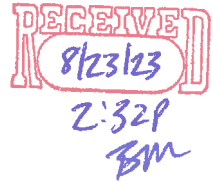
**Action Alternative No. 3 Continue the public hearing** to a specified date and time, or to close the public hearing and to leave the record open to a specified date and time for submittal of additional evidence and rebuttal; or

**Action Alternative No. 4 Deny** the requested Subdivision application on the subject property on the grounds that the proposal does not satisfy the applicable approval criteria.

### **STAFF RECOMMENDATION**

City Staff recommends that the Planning Commission select Action Alternative No. 1 and **APPROVE** the Subdivision for 91-lots to be developed in three phases (Phase 1, 1-38 lots, Phase 2, 39-72, and Phase 3, 73-91) application on a 22.00± acre portion of the total 193.11 acre subject property, subject to the conditions of approval.

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.


Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

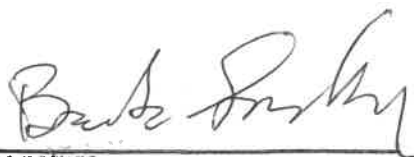
  
Signature

  
Printed Name

  
Address

  
Phone/Email

Over – Additional Signatures



Signature

Brooks Smallwood

Printed Name

870 Medina Ave.

Address (985) 710-2480

Phone/Email



Signature

Printed Name

Address

Phone/Email



Signature

Michael Williams

Printed Name

863 Medina

Address

775-233-2485

Phone/Email



Signature

Stanley C. Nickel

Printed Name

806 Sand Pines Ave

Address

949-257-9172 snickel/cvhs@yahoo.com

Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



2:32 P  
BM

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Chantele Bangs  
Signature

Chantele Bangs  
Printed Name

791 Pebble Creek ST Sutherlin, OR 97479  
Address

541-643-4554 bangsinAfrica@yahoo.com  
Phone/Email

Over – Additional Signatures



Signature

Chris Acuna Standish

Printed Name

856 Medina Ave

Address

541-643-7082 Chris.Standish@hotmail.com

Phone/Email



Signature

David Gomez

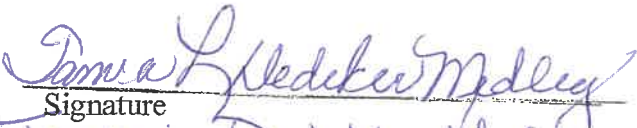
Printed Name

881 Medina Ave

Address

pinwin0414@gmail.com 541-921-0011

Phone/Email



Signature

Tamra L. Dedeker Medley

Printed Name

784 Pebble Creek St.

Address

530-961-3751 tamradm@protonmail.com

Phone/Email



Signature

DAVID GUYER

Printed Name

768 PEBBLE CRK ST.

Address

530-919-9079

Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

Darlene Alberts

Printed Name

829 Pebble CR St

Address

541-217-9331

Phone/Email

darlenealberts21@gmail.com

Over – Additional Signatures



William Earl Wagner

Signature

William Earl Wagner

Printed Name

810 Durham AVE

Address

541-680-7217 WilliamEarlWagner@yahoo.com

Phone/Email

Shirley D. Saeter

Signature

SHIRLEY D. SAETER

Printed Name

818 DURHAM AVE.

Address

(541) 315-2010

Phone/Email

Brian K. Mansfield

Signature

Brian K. Mansfield

Printed Name

854 Durham Ave Sutherlin OR 97479

Address

209 217 7456 mansfieldbkm@gmail.com

Phone/Email

Tammy Smith

Signature

Tammy Smith

Printed Name

815 Durham Ave

Address

916-812-3224 / Dantams98@aol.com

Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

Darlene Alberts

Printed Name

829 Pebble CR St

Address

541-217-9331

Phone/Email

darlenealberts21@gmail.com

Over – Additional Signatures

William Earl Wagner

Signature

William Earl Wagner

Printed Name

810 Durham AVE

Address

541-680-7217 WilliamEarlWagner@yahoo.com

Phone/Email

Shirley D. Saeter

Signature

SHIRLEY D. SAETER

Printed Name

818 DURHAM AVE.

Address

(541) 315-2010

Phone/Email

Brian K. Mansfield

Signature

Brian K. Mansfield

Printed Name

854 Durham Ave Sutherlin OR 97479

Address

209 217 7456 mansfieldbkm@gmail.com

Phone/Email

Tammy Smith

Signature

Tammy Smith

Printed Name

815 Durham Ave

Address

916-812-3224 / Dantams98@aol.com

Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

Darlene Alberts

Printed Name

829 Pebble CR St

Address

541-217-9331

Phone/Email

darlenealberts21@gmail.com

Over – Additional Signatures

William Earl Wagner

Signature

William Earl Wagner

Printed Name

810 Durham AVE

Address

541-680-7217 WilliamEarlWagner@yahoo.com

Phone/Email

Shirley D. Saeter

Signature

SHIRLEY D. SAETER

Printed Name

818 DURHAM AVE.

Address

(541) 315-2010

Phone/Email

Brian K. Mansfield

Signature

Brian K. Mansfield

Printed Name

854 Durham Ave Sutherlin OR 97479

Address

209 217 7456 mansfieldbkm@gmail.com

Phone/Email

Tammy Smith

Signature

Tammy Smith

Printed Name

815 Durham Ave

Address

916-812-3224 / Dantams98@aol.com

Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



2:32 P  
BM

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Chantelle Bangs  
Signature

Chantelle Bangs  
Printed Name

791 Pebble Creek ST Sutherlin, OR 97479  
Address

541-643-4554 bangsinafri@yahoo.com  
Phone/Email

Over – Additional Signatures





Signature

Chris Acuna Standish

Printed Name

856 Medina Ave

Address

541-643-7082 Chris.Standish@hotmail.com

Phone/Email



Signature

David Gomez

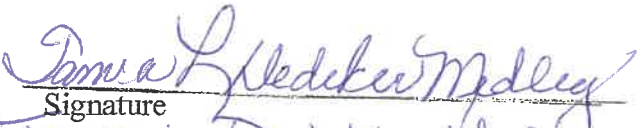
Printed Name

881 Medina Ave

Address

pinwin0414@gmail.com 541-921-0011

Phone/Email



Signature

Tamra L. Dedeker Medley

Printed Name

784 Pebble Creek St.

Address

530-961-3751 tamradm@protonmail.com

Phone/Email



Signature

DAVID GUYER

Printed Name

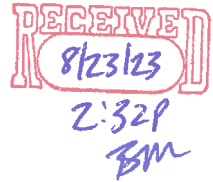
768 PEBBLE CRK ST.

Address

530-919-9079

Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

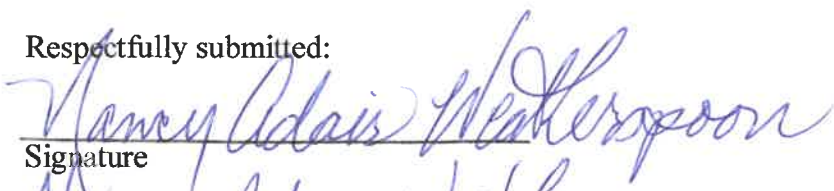
As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.


Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
Signature

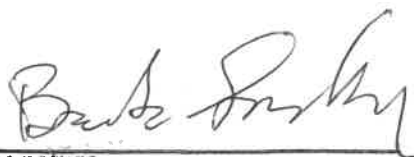
  
Printed Name

  
Address

  
Phone/Email

Over – Additional Signatures





Signature

Brooks Smallwood

Printed Name

870 Medina Ave.

Address (985) 710-2480

Phone/Email



Signature

Printed Name

Address

Phone/Email



Signature

Michael Williams

Printed Name

863 Medina

Address

775-233-2485

Phone/Email



Signature

Stanley C. Nickel

Printed Name

806 Sand Pines Ave

Address

949-257-9172 snickel/cvhs@yahoo.com

Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



2:32 P  
BM

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Chantelle Bangs  
Signature

Chantelle Bangs  
Printed Name

791 Pebble Creek ST Sutherlin, OR 97479  
Address

541-643-4554 bangsinAfrica@yahoo.com  
Phone/Email

Over – Additional Signatures



Signature

Chris Acuna Standish

Printed Name

856 Medina Ave

Address

541-643-7082 Chris.Standish@hotmail.com

Phone/Email



Signature

David Gomez

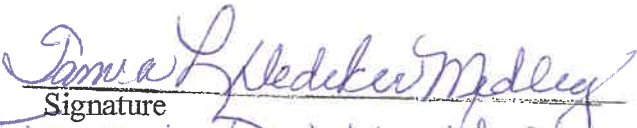
Printed Name

881 Medina Ave

Address

pinwin0414@gmail.com 541-921-0011

Phone/Email



Signature

Tamra L. Dedeker Medley

Printed Name

784 Pebble Creek St.

Address

530-961-3751 tamradm@protonmail.com

Phone/Email



Signature

DAVID GUYER

Printed Name

768 PEBBLE CRK ST.

Address

530-919-9079

Phone/Email



Dear Panning Commission,

Oct. 1, 2023

We have concerns regarding the proposed subdivision planned for the land North of Knolls Estates and East of Fairway Ridge. The 91 lots could easily bring 150 or more vehicles. The only entrance/exit will be on Dovetail at Hwy 138. This intersection is already a safety concern for the two existing subdivisions. Development is good, but only when infrastructure can sustain it. Reduced speed on that section of Hwy 138 and a stoplight at the intersection of Hwy 138 and Dovetail should be contingent for approval of any land use application in this area.

We love living in Sutherlin. It is a great city. Please put the safety and wellbeing of its citizens over the eagerness for growth and development.

Sincerely,

Richard and Sara Thigpen

2082 Culver Loop

Sutherlin, Or. 97479

[rthigpen123@gmail.com](mailto:rthigpen123@gmail.com)

*Sara Thigpen*  
*Richard Thigpen*

## Jamie Fugate

---

**From:** Alicia Hart <isaiah54ah4\_8@yahoo.com>  
**Sent:** Friday, October 6, 2023 3:54 PM  
**To:** Jamie Fugate  
**Subject:** Notice of public hearing-subdivision – 0 Scardi Blvd. Ridgeview Subdivision Preliminary Plat

[EXTERNAL SOURCE - USE CAUTION]

I am opposed to any development regarding the Goodfellas of Sutherlin and Ridgeview Subdivision EMS Access. Any additional construction is a hazard to the residence in the area. An emergency access gate is NOT acceptable. An accessible 24 Hour paved road should be added.

There is ONLY one entrance and one exit off of Highway 138 onto Dovetail. An additional entrance and exit is needed.

It is not IF an emergency will occur but WHEN. As a resident on Eagle Loop, my life, property, and neighbors, many who are elderly, are in danger of being trapped because there is Only One Way out!

Please consider the safety and lives of the residents.

Alicia Hart  
2234 Eagle Loop  
Sutherlin, OR  
626-524-2664  
Sent from my iPhone

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

Darlene Alberts

Printed Name

829 Pebble CR St

Address

541-217-9331

Phone/Email

darlenealberts21@gmail.com

Over – Additional Signatures

William Earl Wagner

Signature

William Earl Wagner

Printed Name

810 Durham AVE

Address

541-680-7217 WilliamEarlWagner@yahoo.com

Phone/Email

Shirley D. Saeter

Signature

SHIRLEY D. SAETER

Printed Name

818 DURHAM AVE.

Address

(541) 315-2010

Phone/Email

Brian K. Mansfield

Signature

Brian K. Mansfield

Printed Name

854 Durham Ave Sutherlin OR 97479

Address

209 217 7456 mansfieldbkm@gmail.com

Phone/Email

Tammy Smith

Signature

Tammy Smith

Printed Name

815 Durham Ave

Address

916-812-3224 / Dantams98@aol.com

Phone/Email



August 25, 2023

Sutherlin City Hall  
c/o Sutherlin City Community Development and Planning Department  
126 E. Central Avenue  
Sutherlin, Oregon 97479

Attn: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Re: Subdivision – 0 Scardi Boulevard, Planning Department File No. 23-S009

We live in the Knolls Estates subdivision, it has been brought to our attention that there is a proposed addition of 91 homes to an area that already has approximately 235 homes existing. We don't have a problem with growth as long as the planning includes adequate entrance and exit in the community.

Since the development of Fairway Ridge subdivision, we have already noticed an impact on traffic and safety on Dovetail and at the intersection of Hwy 138 and Dovetail. This has occurred based on the increased traffic. If we had an emergency and everyone needed to evacuate, one way out is not acceptable. We have already heard people say they will drive across the golf course if it comes to it.

We are asking for the Planning Department to please give serious consideration to additional entrance and exit options to allow for the increase of traffic that will occur with the 91 more homes and for the safety of all the residents in this growing community.

Sincerely,

Tammy Axton  
2266 Eagle Loop  
Sutherlin, Oregon 97479  
Phone: (Cell) 916-709-2152  
Email: [b4golfin@att.net](mailto:b4golfin@att.net)

Ray Axton  
2266 Eagle Loop  
Sutherlin, Oregon 97479  
Phone: (Cell) 916-616-7754  
Email: [b4golfin@att.net](mailto:b4golfin@att.net)



August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



2:32 P  
BM

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Chantelle Bangs  
Signature

Chantelle Bangs  
Printed Name

791 Pebble Creek ST Sutherlin, OR 97479  
Address

541-643-4554 bangsinafri@yahoo.com  
Phone/Email

Over – Additional Signatures



Signature

Chris Acuna Standish

Printed Name

856 Medina Ave

Address

541-643-7082 Chris.Standish@hotmail.com

Phone/Email



Signature

David Gomez

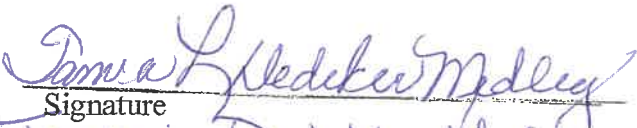
Printed Name

881 Medina Ave

Address

pinwin0414@gmail.com 541-921-0011

Phone/Email



Signature

Tamra L. Dedeker Medley

Printed Name

784 Pebble Creek St.

Address

530-961-3751 tamradm@protonmail.com

Phone/Email



Signature

DAVID GUYER

Printed Name

768 PEBBLE CRK ST.

Address

530-919-9079

Phone/Email

Date: August 22, 2023

Sutherlin Community Development Director

126 E Central Avenue

Sutherlin Oregon 97479



SUBJECT: Subdivision

We recently received the notice of a proposed development off Scardi Blvd in Sutherlin, adjacent to Knolls Estates.

We understand the notice of the development was provided only to those residences within 100 feet of said development. Because the project has implications that impact the whole of Knolls Estates and, to lesser degree, surrounding developments, I find it rather incomprehensive why the Development Department limited notification to the few residences within 100 feet of the project.

The first concern that our family has is what the proposal description does NOT disclose such as the type of residences they plan to build. What will be the home values, the type of structures (mobile homes, pre-fab homes, etc.)? What will be the value between the least and most expensive residences, what will be the square footage as to the, size of the homes (smallest to largest), and the size of the lots? None of these things are disclosed on the information I received through secondary sources.

This information is very important insomuch as the existing property owners within Knolls Estates and other developments close to the build must have an idea of how the proposed development will impact the value of their homes. It is difficult to imagine how the city of Sutherlin could have approved a project this size without notifying ALL residents within at least a mile of the project, rather than 100 feet. Rumors abound that one of the principals of the project is involved with a manufacturer of prefab homes. I would oppose manufactured homes so close to Knowles estates simply because common sense would indicate prefab or mobile structures would negatively impact the value of existing homes on or close to the golf course.

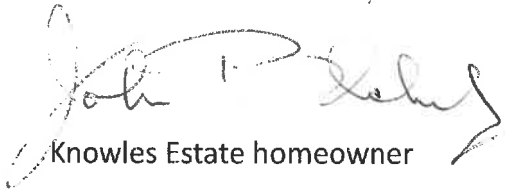
The proposal submitted by Goodfellas to the Sutherlin Planning Department, File No. 23-S009 would appear to have to have been reviewed and approved by the counsel long before August 11, 2023. If this is true, why then did the city provide such a short 14-day response time (August 11, 2023 to August 25, 2023)?

Probably one other point of contention would involve the infrastructure problems as they will certainly relate to the size of the development. Will the city not will be required to improve (widen) Scardi Blvd to accommodate the increase in traffic the development will impose? Will it not be required that the city install some kind of traffic light on highway 138 to accommodate the increase in traffic resulting from the 90 plus residences as planned?

The above concerns are only a brief discussion of what I believe must be a multitude of concerns that I am sure other city residents have.

Respectfully submitted:

JOHN BLAKELY

A handwritten signature in dark ink, appearing to read "John Blakely", with a large, sweeping flourish extending to the right.

Knowles Estate homeowner



Carter R. Boehm  
Marilyn J. Boehm  
1818 Scardi Blvd.  
Sutherlin, OR 97479  
541-459-0400

TO: Sutherlin Community Development Director

RE: Goodfellas of Sutherlin Ridgeview Subdivision

August 15, 2023

Dear Sir / Madam;

We know that Sutherlin is an attractive area to live and are not apposed to building new homes. We chose to build our home in the Knolls Estate a private unit development, on Scardi Blvd in 2004. One concern we had at that time was having only one ingress and one digress. We were told at that time there would be another road planed to connect our community to Sterns Ln.

Knolls Estate has 177 Lots, Fairway Ridge has 75 Lots, Ridgeview is planning 91 Lots. That is a total of 343 homes using Dovetail/Scardi to Hwy. 138. If there is an emergency or catastrophe closing Dovetail/Scardi there is no other way out of our communities.

In the last few years the traffic on Dovetail and Scardi has really increased. The average vehicles per family nation wide is 1.88. If you use that average 644 vehicles will use the these two streets to inter or leave the community. No longer a quiet residential area.

Respectfully yours,

Carter R. Boehm  
Marilyn J. Boehm

Date: August 22, 2023



Sutherlin Community Development Director

126 E Central Avenue

Sutherlin Oregon 97479

SUBJECT: Subdivision

We recently received the notice of a proposed development off Scardi Blvd in Sutherlin, adjacent to Knolls Estates.

We understand the notice of the development was provided only to those residences within 100 feet of said development. Because the project has implications that impact the whole of Knolls Estates and, to lesser degree, surrounding developments, I find it rather incomprehensive why the Development Department limited notification to the few residences within 100 feet of the project.

The first concern that our family has is what the proposal description does NOT disclose such as the type of residences they plan to build. What will be the home values, the type of structures (mobile homes, pre-fab homes, etc.)? What will be the value between the least and most expensive residences, what will be the square footage as to the, size of the homes (smallest to largest), and the size of the lots? None of these things are disclosed on the information I received through secondary sources.

This information is very important insomuch as the existing property owners within Knolls Estates and other developments close to the build must have an idea of how the proposed development will impact the value of their homes. It is difficult to imagine how the city of Sutherlin could have approved a project this size without notifying ALL residents within at least a mile of the project, rather than 100 feet. Rumors abound that one of the principals of the project is involved with a manufacturer of prefab homes. I would oppose manufactured homes so close to Knowles estates simply because common sense would indicate prefab or mobile structures would negatively impact the value of existing homes on or close to the golf course.

The proposal submitted by Goodfellas to the Sutherlin Planning Department, File No. 23-S009 would appear to have to have been reviewed and approved by the counsel long before August 11, 2023. If this is true, why then did the city provide such a short 14-day response time (August 11, 2023 to August 25, 2023)?

Probably one other point of contention would involve the infrastructure problems as they will certainly relate to the size of the development. Will the city not will be required to improve (widen) Scardi Blvd to accommodate the increase in traffic the development will impose? Will it not be required that the city install some kind of traffic light on highway 138 to accommodate the increase in traffic resulting from the 90 plus residences as planned?

The above concerns are only a brief discussion of what I believe must be a multitude of concerns that I am sure other city residents have.

Respectfully submitted:

Arthur Dwight Branco

A handwritten signature in cursive script that reads "Arthur Dwight Branco". The signature is written in dark ink and is positioned below the printed name.

Knowles Estate homeowner

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

Printed Name

Address

Phone/Email



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Irene Bratton  
Signature

Irene Bratton  
Printed Name

2230 Eagle Loop - Sutherlin, OR  
Address 97479

~~541-680-7561~~ 541-680-7561  
Phone/Email  
ireneb-7@msn.com -

August 23, 2023

Sutherlin City Hall  
c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

J. Lee

Signature

JOSEPH Lee

Printed Name

773 Pebble creek st

Address

541-315-8359 / JOEY Lang 95 @ Yahoo.com

Phone/Email

Over – Additional Signatures

Tash McGill

Signature

Tash McGill

Printed Name

907 Pebble Creek St.

Address

541-643-4375 tashmcgill@icloud.com

Phone/Email

Carol Freeman

Signature

CAROL FREEMAN

Printed Name

839 Durham

Address

541-817-2474 freemancat@charter.net

Phone/Email

Leon Brillion

Signature

Leon Brillion

Printed Name

807 Mednia Ave.

Address

(760) 936-2877 leonbrillion@att.net

Phone/Email

CLINT McBRIDE

Signature

CLINT McBRIDE

Printed Name

155 Pebble Creek St.

Address

458-221-2788

Phone/Email

August 23, 2023

Sutherlin City Hall  
c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

J. Lee

Signature

JOSEPH Lee

Printed Name

773 Pebble creek st

Address

541-315-8359 / JOEY Lang 95 @ Yahoo.com

Phone/Email

Over – Additional Signatures

Tash McGill

Signature

Tash McGill

Printed Name

907 Pebble Creek St.

Address

541-643-4375 tashmcgill@icloud.com

Phone/Email

Carol Freeman

Signature

CAROL FREEMAN

Printed Name

839 Durham

Address

541-817-2474 freemancat@charter.net

Phone/Email

Leon Brillion

Signature

Leon Brillion

Printed Name

807 Mednia Ave.

Address

(760) 936-2877 leonbrillion@att.net

Phone/Email

CLINT McBRIDE

Signature

CLINT McBRIDE

Printed Name

155 Pebble Creek St.

Address

458-221-2788

Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

Charles D. Brummel

Printed Name

547 Saint Andrews Court, Sutherlin, OR 97479

Address

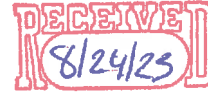
check brummel home@yahoo.com

Phone/Email

541-459-4189



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

Printed Name

Address

Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



2:32pm Tmm

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance** and **Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance** and **Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance** and **Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
Signature

Kevin Butcher  
Printed Name

811 Pebble Creek St  
Address

541-315-1984 KAKM@comcast.net  
Phone/Email

Over – Additional Signatures



Gordon Avery  
Signature

GORDON AVERY  
Printed Name

865 Sand ~~peas~~ pebble Creek St.  
Address

541-580-1458  
Phone/Email

grdavery@gmail.com

Frances Mastroianni  
Signature

Frances Mastroianni  
Printed Name

820 Medina Ave  
Address

408-348-0382 fmastro@comcast.net  
Phone/Email

Lance C. Wetzeland  
Signature

LANCE C. WETTELAND  
Printed Name

825 MEDINA AVE  
Address

541-580-1988 / LCWETT@HOTMAIL.COM  
Phone/Email

Carrie Allen  
Signature

Carrie Allen  
Printed Name

834 Medina Ave  
Address

541-430-4344 AllenCarrie8@gmail.com  
Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

RECEIVED  
8/23/23

2:32 P  
Bm

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Vicki Merrill

Signature

Vicki Merrill

Printed Name

1951 Scardi Blvd

Address

541-254-0927

Phone/Email

Over – Additional Signatures

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

## Jamie Fugate

---

**From:** Dian Cox <dian1cox@yahoo.com>  
**Sent:** Monday, August 21, 2023 2:29 PM  
**To:** Jamie Fugate  
**Cc:** Kristi Gilbert  
**Subject:** Re: Letter of Concern RE: Subdivision - 0 Scardi Blvd.; Goodfellas of Sutherlin, Planning Dept. File No. 23-S009

### [EXTERNAL SOURCE - USE CAUTION]

Thank you for catching the typo. Unfortunately, I was unable to respond to correct the year to 2023 from the email, so I am forwarding both of the letters of concern of my husband's and my own. I know these should be signed, however my skills don't allow for me to complete this task.. I will bring hard copies signed, into the City Hall soon. Dian Cox

#### Concern Letter #1.

August 20, 2023

Sutherlin City Hall

Attention: Sutherlin Community Development / Planning Department

126 E. Central Avenue

Sutherlin, OR 97479

To Whom It May Concern:

RE: Subdivision – 0 Scardi Blvd;

Goodfellas of Sutherlin, Planning Department File No. 23-S009

As a resident of the Knolls Estate community, I am noting my concern of the proposed addition of the neighboring subdivision-0 Scardi, Planning Dept. File No. 23-S009. My concern is with the safety of all people traveling along only one ingress and egress to safely navigate entering onto a highly traveled state Hwy 138. I believe the city code ( 3.5.110 G) requires further investigation of this considerably hazardous road dilemma.

Also in regards to the safety along the Scardi and Dovetail Streets, there will be a decline in the pass ability of two-way traffic due to the housing proposed with drive-way entrances and parking on street. There is already this situation with a couple of homes that exist on these two streets. See city code 3.5.110 F Figure 11.

Respectfully,

Larry D. Cox

2066 Culver Loop

Sutherlin, Oregon 97479

(559)479-0387 cell#

email- larrydcox47@yahoo.com

**Concern Letter #2.**

**August 20, 2023**

**Sutherlin City Hall**

**Attention: Sutherlin Community Development / Planning Department**

**126 E. Central Avenue**

**Sutherlin, OR 97479**

**To Whom It May Concern:**

**RE: Subdivision – 0 Scardi Blvd;**

**Goodfellas of Sutherlin, Planning Department File No. 23-S009**

**I am writing to bring a couple issues of concern regarding the proposed Goodfellas of Sutherlin subdivision, file no. 23-S009. Concern #1 is that the RH zoning for the housing proposed on this property would have a negative impact on the natural water flow received upon the mountain. Visual observation of the natural ravines being diverted strengthen the idea that a negative impact on the vegetation and wildlife down slope would occur. I feel that the city code chapter 2.7.210 sections E, F, G, H, I, J, K support this concern.**

**Concern # 2 is that of water and sewer. The addition of additional dwellings also brings the need for more water and sanitation for these homes. Is the current water storage and sewer treatment facility, able to supply the additional needs of this many homes? The Public Works Intermediate plan just to secure funding for a million gallon storage tank at Oak Knolls Site doesn't occur until 2025-2026. The city code 3.5.130 A, B, C, D helps identify this issue.**

**Finally, concern # 3, the inclusion of a public use area or green space for the given subdivision. The city code 3.5.120 A, B, C addresses this issue. Assuming some of the housing will also bring children, there needs to be an area set aside for their needs along with a transit/bus stop; code 3.2.120 A #5.**

**Respectfully Submitted,**

**Dian E. Cox**

**2066 Culver Loop**

**Sutherlin, Oregon 97479**

**(559)479-0386 Cell#**

**email: dian1cox@yahoo.com**

On Monday, August 21, 2023 at 08:25:39 AM PDT, Jamie Fugate <j.fugate@ci.sutherlin.or.us> wrote:

Hi,

Thank you for your response, before I put it in the file could you update the date?

Thanks,

Jamie Fugate

**From:** Dian Cox <dian1cox@yahoo.com>

**Sent:** Sunday, August 20, 2023 11:20 PM

**To:** Kristi Gilbert <k.gilbert@ci.sutherlin.or.us>

**Cc:** Jamie Fugate <j.fugate@ci.sutherlin.or.us>

**Subject:** Letter of Concern RE: Subdivision - 0 Scardi Blvd.; Goodfellas of Sutherlin, Planning Dept. File No. 23-S009

**[EXTERNAL SOURCE - USE CAUTION]**

August 20, 2013

Sutherlin City Hall

Attention: Sutherlin Community Development / Planning Department

126 E. Central Avenue

Sutherlin, OR 97479

To Whom It May Concern:

RE: Subdivision – 0 Scardi Blvd;

Goodfellas of Sutherlin, Planning Department File No. 23-S009

As a resident of the Knolls Estate community, I am noting my concern of the proposed addition of the neighboring subdivision-0 Scardi, Planning Dept. File No. 23-S009. My concern is with the safety of all people traveling along only one ingress and egress to safely navigate entering onto a highly traveled state Hwy 138. I believe the city code ( 3.5.110 G) requires further investigation of this considerably hazardous road dilemma.

Also in regards to the safety along the Scardi and Dovetail Streets, there will be a decline in the pass ability of two-way traffic due to the housing proposed with drive-way entrances and parking on street. There is already this situation with a couple of homes that exist on these two streets. See city code 3.5.110 F Figure 11.

Respectfully,

Larry D. Cox

2066 Culver Loop

Sutherlin, Oregon 97479

(559)479-0387 cell#

email- [larrydcox47@yahoo.com](mailto:larrydcox47@yahoo.com)



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

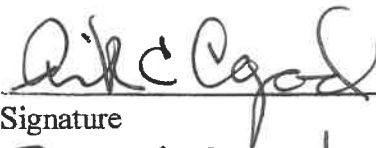
As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
Signature

Rick E. Cozad  
Printed Name

2206 Eagle Loop Sutherlin Or.  
Address

360-904-1385 cozyrv60@hotmail.com  
Phone/Email

Sharon E. Cozad

Sharon E. Cozad

2206 Eagle Hoop

Sutherlin OR 97479

360-904-1385

Sutherlin Planning  
Dept.

Aug. 21, 2023

To whom it may concern  
Letter of concern:

RECEIVED  
8-21-23  
BM  
Hand delivered

Good fellows Sutherlin, Plan Dept.  
File # 23-5009.

My husband and I are very concerned about the impact & safety in our Knolls Estates subdivision of approximately 156 homes. We also have Avery homes, which will be 75 homes when completed.

We don't know about further plans with the 400 acre's, just the 91 homes so far. This will create a huge impact and safety concern with only one entrance and exit for 322 homes! I cannot believe that it's legal to have one entrance & exit for that many homes!

We don't even know, when completed with 400 acre's, how many homes it will have.

(over)

I've heard about a fire exit, but It will  
be gated + locked. Do you realize what  
an impact we will have to deal with,  
even on a daily basis?

concerned neighbor,

Catharine Cutler

Catherine + Glen Cutler

1956 Culver Loop

Sutherlin OR 97479

(541) 315-2614-home#



August 20, 2023

Sutherlin City Hall  
Attention: Sutherlin Community Development / Planning Department  
126 E. Central Avenue  
Sutherlin, OR 97479

To Whom It May Concern:

RE: Subdivision – 0 Scardi Blvd;  
Goodfellas of Sutherlin, Planning Department File No. 23-S009

I am writing to bring a couple issues of concern regarding the proposed Goodfellas of Sutherlin subdivision, file no. 23-S009. Concern #1 is that the RH zoning for the housing proposed on this property would have a negative impact on the natural water flow received upon the mountain. Visual observation of the natural ravines being diverted strengthen the idea that a negative impact on the vegetation and wildlife down slope would occur. I feel that the city code chapter 2.7.210 sections E, F, G, H, I, J, K support this concern.

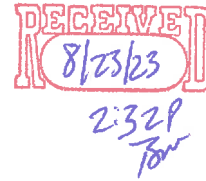
Concern # 2 is that of water and sewer. The addition of additional dwellings also brings the need for more water and sanitation for these homes. Is the current water storage and sewer treatment facility, able to supply the additional needs of this many homes? The Public Works Intermediate plan just to secure funding for a million gallon storage tank at Oak Knolls Site doesn't occur until 2025-2026. The city code 3.5.130 A, B, C, D helps identify this issue.

Finally, concern # 3, the inclusion of a public use area or green space for the given subdivision. The city code 3.5.120 A, B, C addresses this issue. Assuming some of the housing will also bring children, there needs to be an area set aside for their needs along with a transit/bus stop; code 3.2.120 A #5.

Respectfully Submitted,

Dian E. Cox  
2066 Culver Loop  
Sutherlin, Oregon 97479  
(559)479-0386 Cell#  
email: dian1cox@yahoo.com

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Sandra L. Rose  
Signature

Sandra L. Rose  
Printed Name

892 Sandpines Ave.  
Address

541-529-2913 SLrose2020@gmail.com  
Phone/Email

Over – Additional Signatures

James A. Davenport  
Signature

JAMES A. DAVENTPORT  
Printed Name

899 SAND PINES AVE  
Address

541-554-9957  
Phone/Email

Jim 2 | mda @ G-mail

Joyce + Frank Schuierer  
Signature

JOYCE + FRANK SCHUIERER  
Printed Name

885 SAND PINES AVE  
Address

808-634-7339  
Phone/Email

Joyce 97479@gmail.com

Sean Fallon  
Signature

SEAN FALLON  
Printed Name

857 SAND PINES AVE  
Address

541-643-1381  
Phone/Email

onfall@gmail.com

Anna Davis  
Signature

Anna Davis  
Printed Name

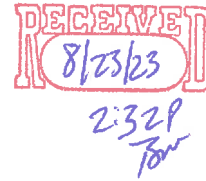
821 Sand Pines Ave.  
Address

541-580-7003  
Phone/Email

amvinciguerra@hotmail.com



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Sandra L. Rose  
Signature

Sandra L. Rose  
Printed Name

892 Sandpines Ave.  
Address

541-529-2913 SLrose2020@gmail.com  
Phone/Email

Over – Additional Signatures



James A. Davenport  
Signature

JAMES A. DAVENTPORT  
Printed Name

899 SAND PINES AVE  
Address

541-554-9957  
Phone/Email

Jim 2 | mda @ G-mail

Joyce + Frank Schuierer  
Signature

JOYCE + FRANK SCHUIERER  
Printed Name

885 SAND PINES AVE  
Address

808-634-7339  
Phone/Email

Joyce 97479@gmail.com

Sean Fallon  
Signature

SEAN FALLON  
Printed Name

857 SAND PINES AVE  
Address

541-643-1381  
Phone/Email

onfall@gmail.com

Anna Davis  
Signature

Anna Davis  
Printed Name

821 Sand Pines Ave.  
Address

541-580-7003  
Phone/Email

amvinciguerra@hotmail.com

## Jamie Fugate

---

**From:** Kathy Z. Wall <Kathy.Wall@douglascountyor.gov>  
**Sent:** Tuesday, September 26, 2023 2:46 PM  
**To:** Jamie Fugate  
**Subject:** File No. 23-S009

### [EXTERNAL SOURCE - USE CAUTION]

Hi Jamie,

I am writing to let you know that the Douglas County Planning Department has no concerns with the referenced request for a Subdivision.

Regards,  
Kathy



Kathy Wall | Senior Planner

Douglas County Courthouse | Room 106 | Justice Building | Roseburg, OR 97470  
Phone: 541-440-4289 | Email: [kathy.wall@douglascountyor.gov](mailto:kathy.wall@douglascountyor.gov)

August 20, 2023



City of Sutherlin

Community Development Department

Letter of Concern, RE: Ridgeview Subdivision, Scardi Blvd  
Goodfellas of Sutherlin, Planning Department File No. 23-S009

My home is within 100 feet of this proposed development and my concerns are as follows:

- Between the existing Knolls Estates and Fairview Ridge subdivisions plus the proposed development that includes 91 homes, I feel adding just an emergency access road is not sufficient in case of an emergency, especially since it will have a locked gate. There would be a great number of vehicles attempting to leave the area with only one egress available (Scardi Blvd/Dovetail) and access to Hwy 138 can take a while, even at the best of times. I can't even imagine how long it would take for several hundred cars.
- I sincerely hope, given the fact that the hillside can be seen from Interstate 5, that the development will be one Sutherlin can be proud of for years to come.

Thank you,

A handwritten signature in black ink, appearing to read 'Jim Dennis'.

Robert (Jim) Dennis  
1780 Scardi Blvd  
Sutherlin, OR 97479  
(503) 784-9012

August 21, 2023



City of Sutherlin  
Community Development Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

RE: Subdivision 0 Scardi Blvd., Goodfellas of Sutherlin

To Whom It May Concern:

This letter is in response to your letter dated August 11, 2023, to the residents being affected by the land use of the above proposed subdivision.

1. The main impact of this subdivision would be the public's safety with the additional traffic from 91 additional homes. We have only one entrance and one exit for all these homes. Highway 138 is extremely busy at times and can be a real hazard as it is.
2. The second concern is the amount of water available for an additional subdivision. We are being asked to conserve water now so where are we getting additional water resources to serve this many more homes.

We hope that you will take these issues into consideration before giving your approval for another subdivision off Scardi Blvd.

Sincerely,

*Lathen Drake Peggy J. Drake*

Lathen W. & Peggy J. Drake  
726 Slazenger Court  
Sutherlin, OR 97479  
541-459-9192  
pdake5254@msn.com

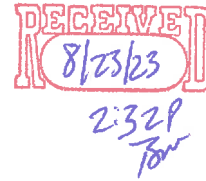
Rick Edwards  
725 Sandpiper Ct.  
Sutherlin, OR 97479  
541-459-5051

To the Community Development Department,

I live in the Knolls Estates subdivision just south of where the proposed subdivision is planned. My concern is the city water situation with an additional 91 lots proposed. With this possible addition of proposed housing, does the city have the capability and resources to provide clean treated water for this additional housing and homeowners. In the last few years, the City of Sutherlin has asked their citizens to conserve water, if not going farther and asking for a reduction in use. I find it difficult in these changing environmental times that adding additional homes and usage to a city that may be already pushing its limitations. Not to say the city is at that point, but without a plan for additional clean water upgrades and sources I find it may be dangerous to add usage before solutions are in place or planned.

Sincerely,  
Rick Edwards

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Sandra L. Rose  
Signature

Sandra L. Rose  
Printed Name

892 Sandpines Ave.  
Address

541-529-2913 SLrose2020@gmail.com  
Phone/Email

Over – Additional Signatures

James A. Davenport  
Signature

JAMES A. DAVENTPORT  
Printed Name

899 SAND PINES AVE  
Address

541-554-9957  
Phone/Email

Jim 2 | mda @ G-mail

Joyce + Frank Schuier  
Signature

JOYCE + FRANK SCHUIER  
Printed Name

885 SAND PINES AVE  
Address

808-634-7339  
Phone/Email

Joyce 97479@gmail.com

Sean Fallon  
Signature

SEAN FALLON  
Printed Name

857 SAND PINES AVE  
Address

541-643-1381  
Phone/Email

onfall@gmail.com

Anna Davis  
Signature

Anna Davis  
Printed Name

821 Sand Pines Ave.  
Address

541-580-7003  
Phone/Email

amvinciguerra@hotmail.com

**PAT FINLEY**  
**616 Arnie Court**  
**Sutherlin, Oregon 97479**  
**(707) 542-2977**  
**Pfinley57@icloud.com**

8-20-2023

City of Sutherlin  
ATTN: Jamie Fugate  
Community Development Department  
126 East Central Avenue  
Sutherlin, Oregon 97479

Dear Jamie Fugate:

I live in Knolls Estates and am writing regarding the proposed Ridgeway Subdivision, to add 91 homes above Fairway Estates. Planning Department File # 23-S009



Currently there is one road out from both Knolls Estates, and Fairway Estates. We have two subdivisions already using a limited two-lane exit road, to Scardi, to Dovetail, to Hwy 138.

I understand there are going to be emergency exits from the new development out to Stearns Road, which sounds fine now with new homes and fresh ground, but would be a problem in the future if evacuations are necessary for any reason, to have exits behind a locked gate (a Knox box) used only for fire access. If evacuations are necessary for any reason, a locked gate is rendered useless, and people will be backed up in vehicles on Scardi, or camping on the south end of the golf course.

I lived through the Tubbs Fire in Santa Rosa, California in 2017. Poor planning in Sonoma County, neglected dry forest, unprepared property owners, and downed power lines caused a disaster that caused 22 deaths, and went on with five years of litigation and billions of dollars in damages. Fire came 10 miles down a dry hill taking many homes including my mother's home at the base, not even in the hills, that I inherited and was nearly done being remodeled. The home was in Mark West Estates, an HOA similar to ours, in a wildland interface. Of 195 homes, 180 were destroyed, and I'm thankful I hadn't moved in yet. One lady perished escaping down the treacherous 2-lane narrow road by going over an embankment. Another couple could not get out with downed trees and flaming branches blocking the road, but they survived by staying in their swimming pool all night. These stories make me cringe and why I rejected buying any home in or near the forest or wildland urban interface. Fire was so out of control with its own tornado winds, after traveling 10 miles downhill it then jumped the highway and destroyed blocks and blocks of more homes and businesses. [Please see page 2..]



I am one of 70,000 clients involved in the North Bay Fires mass-tort lawsuit in which the power company (PG&E) had a choice of securing a fire victim trust amounting to \$13,500,000,000., or dissolving the company and turning it over to the state.

◀ Mail  5:09 PM 100% 



Claims Data as of June 30, 2023		
Basic Data	Submitted Claims Questionnaires (CQs)	18,469
	Claimants Associated with CQs (Multiple claimants in a household can share a Claims Questionnaire)	69,854
	Distinct Claims Made by Claimants in CQs	246,618

Category	Statistic	June	Total
Notice Data	CQs with Determination Notices Issued	678	37,387
	CQs with Reconsideration Determination Notices Issued	464	14,763
	Claimants with Determination Notices Issued	820	67,942
Preliminary Payment Data	Total Amount Paid in Preliminary Payments	\$1.7 million	\$915.8 million
	Number of Claimants who have Received Preliminary Payments	63	35,430
Pro Rata Payment Data	Total Amount Paid in Pro Rata Payments	\$390.0 million	\$4.88 billion
	Number of Claimants who have Received Pro Rata Payments	1,467	52,991
Totals	Total Amount of Preliminary and Pro Rata Payments Paid to Claimants	\$390.0 million	\$9.82 billion
	Total Amount Awarded in Determination Notices	\$540.0 million	\$17.58 billion



I'm hoping the new access road will be a true access road, not one to lock people in.

Thank you ahead of time for not dismissing the red flags.

Sincerely,

Pat Finley

PAT FINLEY  
616 Arnie Court  
Sutherlin, Oregon 97479  
(707) 542-2977  
Pfinley57@icloud.com

RECEIVED  
8-21-23  
HAND DELIVERED

8-20-2023

City of Sutherlin  
ATTN: Jamie Fugate  
Community Development Department  
126 East Central Avenue  
Sutherlin, Oregon 97479

Dear Jamie Fugate:

I live in Knolls Estates and am writing regarding the proposed Ridgeway Subdivision, to add 91 homes above Fairway Estates. Planning Department File # 23-S009

Currently there is one road out from both Knolls Estates, and Fairway Estates. We have two subdivisions already using a limited two-lane exit road, to Scardi, to Dovetail, to Hwy 138.


I understand there are going to be emergency exits from the new development out to Stearns Road, which sounds fine now with new homes and fresh ground, but would be a problem in the future if evacuations are necessary for any reason, to have exits behind a locked gate (a knox box) used only for fire access. If evacuations are necessary for any reason, a locked gate is rendered useless, and people will be backed up in vehicles on Scardi, or camping on the south end of the golf course.

I lived through the Tubbs Fire in Santa Rosa, California in 2017. Poor planning in Sonoma County, neglected dry forest, unprepared property owners, and downed power lines caused a disaster that caused 22 deaths, and went on with five years of litigation and billions of dollars in damages. Fire came 10 miles down a dry hill taking many homes including my mothers' home at the base, not even in the hills, that I inherited and was nearly done being remodeled. The home was in Mark West Estates, an HOA similar to ours, in a wildland interface. Of 195 homes, 180 were destroyed, and I'm thankful I hadn't moved in yet. One lady perished escaping down the treacherous 2-lane narrow road by going over an embankment. Another couple could not get out with downed trees and flaming branches blocking the road, but they survived by staying in their swimming pool all night. These stories make me cringe and why I rejected buying any home in or near the forest or wildland urban interface. Fire was so out of control with it's own tornado winds, after traveling 10 miles downhill it then jumped the highway and destroyed blocks and blocks of more homes and businesses. [Please see page 2..]

I am one of 70,000 clients involved in the North Bay Fires mass-tort lawsuit in which the power company (PG&E) had a choice of securing a fire victim trust amounting to \$13,500,000,000., or dissolving the company and turning it over to the state.

Mail   

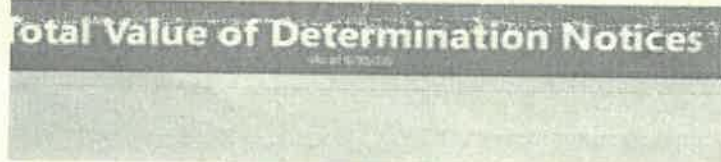
5:09 PM

100% 



Claims Data as of June 30, 2023		
Basic Data	Submitted Claims Questionnaires (CQs)	38,419
	Claimants Associated with CQs (Multiple claimants in a household can share a Claims Questionnaire)	69,854
	Distinct Claims Made by Claimants in CQs	246,618

Category	Statistic	June	Total
Notice Data	CQs with Determination Notices Issued	679	37,387
	CQs with Reconsideration Determination Notices Issued	464	14,763
	Claimants with Determination Notices Issued	820	67,942
Preliminary Payment Data	Total Amount Paid in Preliminary Payments	\$1.7 million	\$915.8 million
	Number of Claimants who have Received Preliminary Payments	63	35,430
Pro Rata Payment Data	Total Amount Paid in Pro Rata Payments	\$390.0 million	\$8.88 billion
	Number of Claimants who have Received Pro Rata Payments	1,447	52,991
Totals	Total Amount of Preliminary and Pro Rata Payments Paid to Claimants	\$390.0 million	\$9.81 billion
	Total Amount Awarded in Determination Notices	\$540.0 million	\$17.58 billion



I'm hoping the new access road will be a true access road, not one to lock people in.

Thank you ahead of time for not dismissing the red flags.

Sincerely,

*P. Finley*

Pat Finley

August 23, 2023

Sutherlin City Hall  
c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

J. Lee

Signature

JOSEPH Lee

Printed Name

773 Pebble creek st

Address

541-315-8359 / JOEY Lang 95 @ Yahoo.com

Phone/Email

Over – Additional Signatures

Tash McGill

Signature

Tash McGill

Printed Name

907 Pebble Creek St.

Address

541-643-4375 tashmcgill@icloud.com

Phone/Email

Carol Freeman

Signature

CAROL FREEMAN

Printed Name

839 Durham

Address

541-817-2474 freemancel@charter.net

Phone/Email

Leon Brillon

Signature

Leon Brillon

Printed Name

807 Mednia Ave.

Address

(760) 936-2877 leonbrillon@att.net

Phone/Email

CLINT McBRIDE

Signature

CLINT McBRIDE

Printed Name

155 Pebble Creek St.

Address

458-221-2788

Phone/Email



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Department.  
126 E. Central Ave  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment:

Re: Subdivision – O Scardi Blvd; Planning Department File No. 23-S009

As a community member, as well as the president living in Knolls Estates subdivision to the fairway ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY** concerned as an individual and as the president of Knolls Estates HOA representing all 160 homeowners. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the Highly Traveled State Hwy 138. The homeowners including myself in phase 3 of Knolls Estates are at the very end of Scardi Blvd & Slazenger Ct. We would have the greatest difficulty in getting to Hwy 138, possibly creating safety concerns with the additional traffic onto Scardi Blvd from the proposed new development. As president of the knolls Estates HOA and our Board, we have been getting swamped with homeowners concerns about the safety of themselves and their children. With very little traffic control (high speeds) from the police dept. on Dovetail and Scardi Blvd. The additional subdivision, will be even more hazardous for every homeowner.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for the community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval,

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Greg T Gardner  
707 Slazenger Ct  
Sutherlin, OR 97479  
Cell: 253-651-9960  
Gtg100@msn.com

October 8, 2023

Notice of Public Hearing, Tuesday October 17, 2023 at 7:00pm

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Department.  
126 E. Central Ave  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment:

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009: Goodfellas of Sutherlin

As a community member, as well as the president living in Knolls Estates subdivision to the fairway ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY** concerned as an individual and as the president of Knolls Estates HOA representing all 160 homeowners. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the Highly Traveled State Hwy 138. The homeowners including myself in phase 3 of Knolls Estates are at the very end of Scardi Blvd & Slazenger Ct. We would have the greatest difficulty in getting to Hwy 138, possibly creating safety concerns with the additional traffic onto Scardi Blvd from the proposed new development. As president of the knolls Estates HOA and our Board, we have been getting swamped with homeowners concerns about the safety of themselves and their children. With very little traffic control (high speeds) from the police dept. on Dovetail and Scardi Blvd. The additional subdivision, will be even more hazardous for every homeowner.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for the community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval,

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes. I will not be able to attend the meeting to give my concerns in person, but would appreciate that this correspondence be considered.

Respectfully submitted:

Greg T Gardner  
707 Slazenger Ct  
Sutherlin, OR 97479  
Cell: 253-651-9960  
Gtg100@msn.com

## Jamie Fugate

---

**From:** Knolls Estates HOA <ske97479@gmail.com>  
**Sent:** Sunday, October 8, 2023 3:44 PM  
**To:** Jamie Fugate  
**Subject:** Goodfellas of Sutherlin, Subdivision-Scardi Blvd; October 8, 2023  
**Attachments:** Goodfellas of Sutherlin Subdivision-Scardi Blvd. File 23-S009.pdf

[EXTERNAL SOURCE - USE CAUTION]

Dear Jamie Fugate

Attached is the written statement for the notice of public hearing, Tuesday October 17, 2023 at 7pm.

Being a homeowner at 707 Slazenger Ct and the current president of knolls estates PUD. Myself and the entire 160 homeowners have many concerns. The statement gives the major concern for the development that is planned by Goodfellas of Sutherlin.

I will not be able to attend the meeting, but would appreciate you taking into consideration the statement provided of my concerns.

Thank You  
Greg Gardner  
President; Knolls Estates PUD  
707 Slazenger Ct



August 23, 2023

Sutherlin City Hall  
c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

J. Lee

Signature

JOSEPH Lee

Printed Name

773 Pebble creek st

Address

541-315-8359 / JOEY Lang 95 @ Yahoo.com

Phone/Email

Over – Additional Signatures

Tash McGill

Signature

Tasha McGill

Printed Name

907 Pebble Creek St.

Address

541-643-4375 tash McGill@icloud.com

Phone/Email

Carol Freeman

Signature

CAROL FREEMAN

Printed Name

839 Durham

Address

541-817-2474 freemancat@charter.net

Phone/Email

Leon Brillion

Signature

Leon Brillion

Printed Name

807 Mednia Ave.

Address

(760) 936-2877 leonbrillion@att.net

Phone/Email

CLINT McBRIDE

Signature

CLINT McBRIDE

Printed Name

155 Pebble Creek St.

Address

458-221-2788

Phone/Email

To: Sutherlin City Planning Committee



From: Greg Good

Re: Ridgeview subdivision

Dear committee members,

I would like to express my thoughts on the proposed Ridgeview subdivision that will currently be an agenda item and addressed by you.

Having lived in Sutherlin for 55+ years and Knolls Estates for the past 15 years, I feel a connection to the city that I have called home for so long. At this time, I am against anymore development in the area around my home and the proposed Ridgeview subdivision. The most obvious issue is the traffic issue that we currently have on Dovetail and Scardi streets without an additional 91 more homes adding to that. Getting on to highway 138 is already a nightmare during certain parts of the day, and one can only imagine what that will be like with more houses and no other traffic outlet. Witnessing the aftermath of the fatal wreck at that corner a few years ago has only deepened those concerns. The tragic fires in Maui and Paradise have shown what problems can occur with limited access to roads during those emergencies, and we will always have a threat of fire during the summer.

Another concern is the infrastructure of the city itself. We keep getting notices to curb our water use during the summer because of the Nonpareil treatment plant, just wondering how that gets better with more houses as we are now consistently having severe droughts?

I know this isn't necessarily in your purview, but driving around some of the neighborhoods that make up the Sutherlin I grew up in, leave a lot to be desired. Roads that need repair, streets that are now parking lots for homeowners, trailers, unregistered cars, and RV's in yards and driveways, some even appear to be occupied, and ordinances that the city isn't enforcing regarding junk and vegetation. If we can't take care of those things infrastructure and aesthetic issues now, how are they going to get better with more housing development?

I urge you to please consider the safety factors and quality of life issues that this development will cause if approved at this time. If you have any further questions regarding this matter, please feel free to call me at (541) 580-7572.

Sincerely

Greg Good  
1966 Kapela Ct  
Sutherlin, OR

October 8, 2023

Notice of Public Hearing, Tuesday October 17, 2023 at 7:00pm

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Department.  
126 E. Central Ave  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment:

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009: Goodfellas of Sutherlin

As a community member, as well as the president living in Knolls Estates subdivision to the fairway ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY** concerned as an individual and as the president of Knolls Estates HOA representing all 160 homeowners. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the Highly Traveled State Hwy 138. The homeowners including myself in phase 3 of Knolls Estates are at the very end of Scardi Blvd & Slazenger Ct. We would have the greatest difficulty in getting to Hwy 138, possibly creating safety concerns with the additional traffic onto Scardi Blvd from the proposed new development. As president of the knolls Estates HOA and our Board, we have been getting swamped with homeowners concerns about the safety of themselves and their children. With very little traffic control (high speeds) from the police dept. on Dovetail and Scardi Blvd. The additional subdivision, will be even more hazardous for every homeowner.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for the community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval,

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes. I will not be able to attend the meeting to give my concerns in person, but would appreciate that this correspondence be considered.

Respectfully submitted:

Greg T Gardner  
707 Slazenger Ct  
Sutherlin, OR 97479  
Cell: 253-651-9960  
Gtg100@msn.com

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009


As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
\_\_\_\_\_  
Signature

Kala Grotting  
\_\_\_\_\_  
Printed Name

2284 Chi Chi Ln  
\_\_\_\_\_  
Address

733 4073 grotti@msn.com  
\_\_\_\_\_  
Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



2:32 P  
BM

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Chantelle Bangs  
Signature

Chantelle Bangs  
Printed Name

791 Pebble Creek ST Sutherlin, OR 97479  
Address

541-643-4554 bangsinafri@yahoo.com  
Phone/Email

Over – Additional Signatures





Signature

Chris Acuna Standish

Printed Name

856 Medina Ave

Address

541-643-7082 Chris.Standish@hotmail.com

Phone/Email



Signature

David Gomez

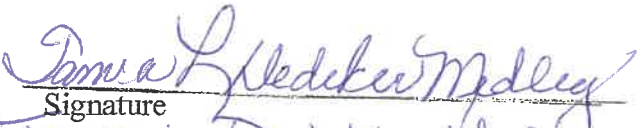
Printed Name

881 Medina Ave

Address

pinwin0414@gmail.com 541-921-0011

Phone/Email



Signature

Tamra L. Dedeker Medley

Printed Name

784 Pebble Creek St.

Address

530-961-3751 tamradm@protonmail.com

Phone/Email



Signature

DAVID GUYER

Printed Name

768 PEBBLE CRK ST.

Address

530-919-9079

Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
Signature

Karen Butcher  
Printed Name

811 Pebble Crk St.  
Address

541-530-7576 butcher Karen 811@gmail.com  
Phone/Email

Over – Additional Signatures



Warren Hanussak

Signature

Warren Hanussak

Printed Name

871 Sand Pines Ave.

Address

951.536.5136 warren.hanussak@eseris.com

Phone/Email

Lisa Werts

Signature

Lisa Werts

Printed Name

868 Sand Pines Ave

Address

770-608-9229 lwerts1@gmail.com

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

## Jamie Fugate

---

**From:** Christine Hart <iseeyouareat@yahoo.com>  
**Sent:** Friday, August 25, 2023 1:15 PM  
**To:** Kristi Gilbert; Jamie Fugate  
**Subject:** Subdivision- Scardi Blvd: Planning Depart. File # 23-S009

[EXTERNAL SOURCE - USE CAUTION]

August 25, 2023

Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner Sutherlin Planning Commission Member

As a community member living in Knolls Estates Subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision. I am deeply concerned with the proposed addition of 91 homes to an area that already has approximately 235 homes. My concern is the shared **ONE ENTRANCE/EXIT** on Dove Tail Lane and HWY 138.

At this time there is dry brush surrounding the Knolls Estates area and it is prohibited to use **ANY** machinery gas or electric. It will be impossible to evacuate the residents and allow the fire department to have access to the community as there is only **ONE ENTRANCE/EXIT**.

I strongly request **SAFETY** be the # one priority for the welfare of the community. A second road available to all 24/7 is needed for the safety of the residents. Adding an emergency "gated road" to be used by law enforcement and fire personnel does not provide any safety for the residents.

On the west of Dove Tail Lane and North of Hwy 138 is the Avista Utilities station and across the utility station is a field, in which the owner has **NOT** cut back the tall dry brush and it is too late to do so. As I mentioned before **All use of electric or gas machinery is prohibited**. We are residents sitting on a time table of...

**It is not IF we will have a fire in the area without escape but WHEN will it happen.**

Thank you for your time in considering our **SERIOUS** request of denying the Proposed Request until such time as an approved second Paved Road for Entrance and Exit is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Alicia Hart

2234 Eagle Loop  
Sutherlin, OR 97479  
686-524-2664  
iseeyouareat@yahoo.com

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

RECEIVED  
8/23/23

2:32 P  
Bm

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Vicki Merrill

Signature

Vicki Merrill

Printed Name

1951 Scardi Blvd

Address

541-254-0927

Phone/Email

Over – Additional Signatures

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

## Jamie Fugate

---

**From:** Kristi Gilbert  
**Sent:** Thursday, August 17, 2023 2:44 PM  
**To:** Jamie Fugate  
**Subject:** FW: Planning Department File No. 23-8009 - Proposed land use objection - Ridgeview Subdivision

***Kristi Gilbert***  
***Community Development Director***  
***City of Sutherlin***

**From:** Susan Jordan <jordan.susan.303@gmail.com>  
**Sent:** Thursday, August 17, 2023 2:18 PM  
**To:** Kristi Gilbert <k.gilbert@ci.sutherlin.or.us>  
**Cc:** Michael Jordan <majordan303@gmail.com>  
**Subject:** Planning Department File No. 23-8009 - Proposed land use objection - Ridgeview Subdivision

### [EXTERNAL SOURCE - USE CAUTION]

Michael and Susan Jordan

2286 Eagle Loop

Sutherlin, OR 97479

303.350.9310

email: [jordan.susan.303@gmail.com](mailto:jordan.susan.303@gmail.com)

Re: Planning Department File No. 23-8009 - Proposed land use objection

Please note our **strong objections** to this planned development due to its significant impact on traffic and safety on Scardi Blvd through Dovetail and to the Intersection at Dovetail and Hwy 138. The intersection needs a permanent traffic signal light at this time for the existing Knolls Estates and Fairway Ridge developments and the development across the highway.

Michael Jordan is a disabled Veteran. The single exit from Knolls Estates is already of concern before the addition of construction vehicles, and then 91 more households using the existing roads as a single exit from the Ridgeview Subdivision.

An alternative, permanent exit to Stearns Road from the proposed subdivision must be included in the plans. The proposed subdivision cannot exit onto Scardi Blvd.

Sincerely,

Michael and Susan Jordan

## Jamie Fugate

---

**From:** Kristi Gilbert  
**Sent:** Friday, August 18, 2023 9:16 AM  
**To:** Jamie Fugate  
**Subject:** FW: Subdivision - 0 SCARDI BLVD File No. 23-S009

***Kristi Gilbert***  
***Community Development Director***  
***City of Sutherlin***

**From:** fixer12.1@charter.net <fixer12.1@charter.net>  
**Sent:** Friday, August 18, 2023 9:07 AM  
**To:** Kristi Gilbert <k.gilbert@ci.sutherlin.or.us>  
**Subject:** Subdivision - 0 SCARDI BLVD File No. 23-S009

### **[EXTERNAL SOURCE - USE CAUTION]**

We want to express our great concern for the continued expansion of home building, ongoing and planned, in the Oak Hills Estates area with no regard for common sense or safety issues created by only having one road in and out for so many houses.

We have lived here since 1995, when only 3 homes existed in phase 1. During that time we have been told several times that a second entrance/exit road would be constructed when the homes and lots being built exceeded 30 in the Avery sub-division.

That has not happened and now you are considering a large sub-division by Goodfellas of Sutherlin LLC, be added to an already dangerous one way in and out situation.

In the time we have lived here we had two events that closed Dovetail/Scardi to access. One due to flooding and one due to a jack knifed trailer. Both closed the road for several hours and fortunately there were no emergencies during those times that required help to get in.

Now with the large number of homes here and many more seniors, we need to have another entrance/exit road option...not just a "gated private emergency road".

Another concern is the maintaining of Scardi with all the additional car and truck traffic? Do you expect our PUD to do that?

We know and you know, this is going to be a major safety issue at some point and is just a common sense decision to have the developers put in a second road.

We will also be checking with the state development offices to see if there are sub-division guidelines regarding house saturation vs. access roads.

Lets do this correctly without the lip service we have received for so many years.

Richard & Barbara Jorge  
2226 Eagle Loop  
Sutherlin, OR 97479  
(541) 459-3242



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Diana G. Keady

Signature

Diana G. Keady

Printed Name

2257 Eagle Loop

Address

541-643-6701

Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009


As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency "gated road" to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
Signature

JOE D. KEADY  
Printed Name

2257 EALIE LOOP, SUTHERLIN  
Address

541-733-6701  
Phone/Email

h  
STOP THE "Good Ol' Boy" SYSTEM AND START WORKING FOR THE PEOPLE THAT PAY YOUR SALARY.

October 8, 2023

Notice of Public Hearing, Tuesday October 17, 2023 at 7:00pm

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Department.  
126 E. Central Ave  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment:

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009: Goodfellas of Sutherlin

As a community member, as well as the president living in Knolls Estates subdivision to the fairway ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY** concerned as an individual and as the president of Knolls Estates HOA representing all 160 homeowners. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the Highly Traveled State Hwy 138. The homeowners including myself in phase 3 of Knolls Estates are at the very end of Scardi Blvd & Slazenger Ct. We would have the greatest difficulty in getting to Hwy 138, possibly creating safety concerns with the additional traffic onto Scardi Blvd from the proposed new development. As president of the knolls Estates HOA and our Board, we have been getting swamped with homeowners concerns about the safety of themselves and their children. With very little traffic control (high speeds) from the police dept. on Dovetail and Scardi Blvd. The additional subdivision, will be even more hazardous for every homeowner.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for the community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval,

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes. I will not be able to attend the meeting to give my concerns in person, but would appreciate that this correspondence be considered.

Respectfully submitted:

Greg T Gardner  
707 Slazenger Ct  
Sutherlin, OR 97479  
Cell: 253-651-9960  
Gtg100@msn.com



*JK*

August 20, 2023

Sutherlin City Hall

Attention: Sutherlin Community Development / Planning Department

126 E. Central Avenue

Sutherlin, OR 97479

To Whom It May Concern:

RE: Subdivision – 0 Scardi Blvd;

Goodfellas of Sutherlin, Planning Department File No. 23-S009

As a resident of the Knolls Estate community, I am noting my concern of the proposed addition of the neighboring subdivision-0 Scardi, Planning Dept. File No. 23-S009. My concern is with the safety of all people traveling along only one ingress and egress to safely navigate entering onto a highly traveled state Hwy 138. I believe the city code ( 3.5.110 G) requires further investigation of this considerably hazardous road dilemma.

Also in regards to the safety along the Scardi and Dovetail Streets, there will be a decline in the pass ability of two-way traffic due to the housing proposed with drive-way entrances and parking on street. There is already this situation with a couple of homes that exist on these two streets. See city code 3.5.110 F Figure 11.

Respectfully,

Larry D. Cox

2066 Culver Loop

Sutherlin, Oregon 97479

(559)479-0387 cell#

email- larrydcox47@yahoo.com

## Jamie Fugate

---

**From:** John Lahley <johnlahley@gmail.com>  
**Sent:** Thursday, August 24, 2023 9:09 AM  
**To:** Jamie Fugate  
**Cc:** Kristi Gilbert  
**Subject:** Subdivision - 0 Scardi Blvd; Goodfellows of Sutherlin Plan Dept. File #23-S009

[EXTERNAL SOURCE - USE CAUTION]

August 24, 2023

LETTER OF CONCERN as related to the above identified noted "Subject".

Attention: Sutherlin Planning Advisory Commission Members;  
Davidson, Maloney, Sarnoski, Banducci, Hogsott, Woods

I write this Letter of Concern out of the sincere belief that ALL Sutherlin Residents would agree with the Sutherlin City Mission Statement whereby it is noted the City Leaders are committed to decisions which reflect what is best for the community/ citizens while keeping a Focus upon SAFETY.

I am a resident of Knolls Estates (160 homes) adjacent to Fairway Ridge (50 homes currently) with soon to be added 25 homes, thus these two subdivisions will total 235 homes, ALL using the single Entry-Exit Intersection of Dovetail & State Hwy #138.

Using the National Vehicle per home average of 1.88 we have the potential of Four Hundred Forty-One (441) vehicles needing to use the Entry-Exit. Noting the proposed addition of the above request File #23-S009 which reflect the expectation of 91 homes, that simply compounds the Single Entry-Exit by 171 more vehicles. Together in the case of an Emergency this means a composite total of vehicles anywhere from 326 (1 vehicle/home) up to 612 vehicles (1.88 vehicle/ home) needing to Exit onto State Hwy #138. Surely it is apparent that approval of the above File #23-S009 would create an extremely dangerous intersection of Dovetail & #138, adding to what currently is already a DANGEROUS Intersection.

"SAFETY" in various manners is noted within the Sutherlin Mission Statement, along with part of those Missions noted by both Fire and Police Departments AND well documented in many of the Sutherlin Planning Codes. Given it is such a Focus and Commitment by the City Leaders, there is No Apparent way an approval can be given to the above File #123 Request UNTIL such time there is a secondary "paved road" attached to any future building request adjacent to Knolls Estates and Fairway Ridge. Specifically there should be No Approved Future Request pertaining to Lots:

Tax ID: R20400; Tax ID R20392; Tax R138405; Tax R21680.

With the request of File #23-S009, there is noted an Emergency Gated road (with Knox Box), designed apparently and solely for Emergency Vehicles. In an emergency, that road may serve those Responders along with Residents, BUT it does not serve the many City Mission Statements nor the Planning Dept Codes of "developments does not creat safety circumstances".

Restating my Concerns, Safety is paramount for All Sutherlin Citizens. No additional new construction of homes or businesses ought to be approved UNTIL the Entry-Exit Intersection of Dovetail & State Hwy #138 is addressed for the Safety of those 235 current residents.

Respectfully,

John H. Lahley  
2070 Culver Loop  
541-643-6581  
Johnlahley@gmail.com

RECEIVED  
8/24/23 TS

From: John Lahley JohnLahley@gmail.com  
Subject: Subdivision - 0 Scardi Blvd; Goodfellows of Sutherlin Plan Dept. File #23-S009

Date: Aug 24, 2023 at 9:08:58 AM

To: j.fugate@ci.sutherlin.or.us

Cc: k.gilbert@ci.sutherlin.or.us

Bcc: nansandpops6@gmail.com

---

August 24, 2023

LETTER OF CONCERN as related to the above identified noted "Subject".

Attention: Sutherlin Planning Advisory Commission Members;

Davidson, Maloney, Sarnoski, Banducci, Hogsott, Woods

I write this Letter of Concern out of the sincere belief that ALL Sutherlin Residents would agree with the Sutherlin City Mission Statement whereby it is noted the City Leaders are committed to decisions which reflect what is best for the community/ citizens while keeping a Focus upon SAFETY.

I am a resident of Knolls Estates (160 homes) adjacent to Fairway Ridge (50 homes currently) with soon to be added 25 homes, thus these two subdivisions will total 235 homes, ALL using the single Entry-Exit Intersection of Dovetail & State Hwy #138.

Using the National Vehicle per home average of 1.88 we have the potential of Four Hundred Forty-One (441) vehicles needing to use the Entry-Exit.

Noting the proposed addition of the above request File #23-S009 which reflect the expectation of 91 homes, that simply compounds the Single Entry-Exit by 171 more vehicles. Together in the case of an Emergency this means a composite total of vehicles anywhere from 326 (1 vehicle/home) up to 612 vehicles (1.88 vehicle/ home) needing to Exit onto State Hwy #138. Surely it is apparent that approval of the above File #23-S009 would create an extremely dangerous intersection of Dovetail & #138, adding to what currently is already a DANGEROUS Intersection.

"SAFETY" in various manners is noted within the Sutherlin Mission Statement, along with part of those Missions noted by both Fire and Police Departments AND well documented in many of the Sutherlin Planning Codes.

Given it is such a Focus and Commitment by the City Leaders, there is No Apparent way an approval can be given to the above File #123 Request UNTIL such time there is a secondary "paved road" attached to any future building request adjacent to Knolls Estates and Fairway Ridge. Specifically there should be No Approved Future Request pertaining to Lots:

Tax ID: R20400; Tax ID R20392; Tax R138405; Tax R21680.

With the request of File #23-S009, there is noted an Emergency Gated road (with Knox Box), designed apparently and solely for Emergency Vehicles. In an emergency, that road may serve those Responders along with Residents, BUT it does not serve the many City Mission Statements nor the Planning Dept Codes of "developments does not creat safety circumstances".

Restating my Concerns, Safety is paramount for All Sutherlin Citizens. No additional new construction of homes or businesses ought to be approved UNTIL the Entry-Exit Intersection of Dovetail & State Hwy #138 is addressed for the Safety of those 235 current residents.

Respectfully,

A handwritten signature in black ink, appearing to read "John H. Lahley", with a long horizontal line extending to the right.

John H. Lahley

2070 Culver Loop

[541-643-6581](tel:541-643-6581)

[Johnlahley@gmail.com](mailto:Johnlahley@gmail.com)

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

*Anna Lahley*

Signature

*Anna Lahley*

Printed Name

*2070 Culver Road*

Address

*541-586-2667 nansandpops6@gmail.com*

Phone/Email



City of Sutherlin Community Development  
126 E. Central Ave.  
Sutherlin, OR. 97479



TO: Sutherlin Community Development Director

RE: Goodfellas of Sutherlin Ridgeview Subdivision

August 18, 2023

Dear Sir/Madam:

Thank you for giving us the opportunity to comment on the proposed Subdivision by Goodfellas of Sutherlin.

We know Sutherlin is a fast and growing community and are not opposed to the building of new homes. Our main concern is public safety if this development moves forward. This is especially important today as we reach high fire season.

The second reason for concern would be if there is an emergency catastrophe closure of Dovetail/Scardi to Hwy 138. There is no other way out of our communities here in Knolls Estates.

After reviewing of Goodfellas proposal, we would be in harms way if there would be an emergency evacuation.

Traffic has already increased on Dovetail/Scardi with the Avery Development. More traffic control would need to be enforced by local law enforcement as speeding is also a concern. Currently there is only one ingress and digress for ALL HOMES...with no other way out.

Respectfully yours,

Martin & Jessie Larner  
1793 Culver Loop  
Sutherlin, OR. 97479

August 23, 2023

Sutherlin City Hall  
c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

RECEIVED  
8/23/23

2:32P  
For

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

J. Lee

Signature

JOSEPH Lee

Printed Name

773 Pebble creek st

Address

541-315-8359 / JOEY Lang 95 @ Yahoo.com

Phone/Email

Over – Additional Signatures

Tash McGill

Signature

Tash McGill

Printed Name

907 Pebble Creek St.

Address

541-643-4375 tashmcgill@icloud.com

Phone/Email

Carol Freeman

Signature

CAROL FREEMAN

Printed Name

839 Durham

Address

541-817-2474 freemancat@charter.net

Phone/Email

Leon Brillon

Signature

Leon Brillon

Printed Name

807 Mednia Ave.

Address

(760) 936-2877 leonbrillon@att.net

Phone/Email

CLINT McBRIDE

Signature

CLINT McBRIDE

Printed Name

155 Pebble Creek St.

Address

458-221-2788

Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jarnie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled State Hwy 138**.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Gary Lee

Signature

Gary Lee

Printed Name

1829 Culver Loop

Address

559-707-2475 oneroadworker@yahoo.com

Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled State Hwy 138**.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Lorrie Lee

Signature

LORRIE LEE

Printed Name

1829 Culver Loop

Address

559-707-2476 gandlee58@hotmail.com

Phone/Email

## **Jamie Fugate**

---

**From:** Kristi Gilbert  
**Sent:** Friday, August 18, 2023 7:02 AM  
**To:** Jamie Fugate  
**Subject:** FW: Additional Scardi subdivision

***Kristi Gilbert***  
***Community Development Director***  
***City of Sutherlin***

**From:** Pat Lynch <p.lynch@ci.sutherlin.or.us>  
**Sent:** Thursday, August 17, 2023 6:30 PM  
**To:** Kristi Gilbert <k.gilbert@ci.sutherlin.or.us>  
**Subject:** Additional Scardi subdivision

Kristi,

I live in Phase I of the Knolls Estates development. The natives are getting restless here and I would like to provide good information. Adding the Avery buildout and the proposed Ridgeview development seems to add about 170 homes and 400-500 people and 350 vehicles or so to what is already a single access and egress location. I am also requesting "party status" following the August 11 announcement as a resident impacted directly and negatively by significant additional vehicular and construction traffic in the event of this subdivision's approval. Here are my questions and comments:

1. Will a traffic study on Dovetail/Scardi/Hwy 138 be required? If not, why not?
2. Has Scardi been evaluated lately? Since I walk this every day, I will note that the road condition is deteriorating almost certainly due to the enormous impact of hundreds of (speeding) rock and soil trucks and semi-truck and trailer traffic. Cracks and alligatoring is evident and beginning to spread and expand. Additional heavy traffic on a road never constructed with this load in mind will certainly accelerate this degradation.
3. I assume that the proper site preparation permits are in place. I am also assuming that trip counts and remediation of road deterioration was not required.
4. Has a second - or third - access and egress road been established and required in this submission? This seems to come up somewhat regularly as a concern and the native drums tell me that this new subdivision will trigger a response from current residents.
5. What are the code cites that control requirements for access and egress for life safety and emergency response? Are State agencies involved? I find it difficult to believe that current conditions are sufficient to meet the requirements of our area with this significant additional build out.

Thanks for your time. I will appreciate your help in getting good information out to me and my neighbors!

Pat

Patrick Lynch

Library Director

Livability Services Director

Principal Grant Writer



RE: Planning Department File # 23-S009

RESPONDENT: Scott McGinnis  
1684 Scardi Boulevard  
Sutherlin OR 97479

RESPONDENT QUALIFICATION: Affected resident of Knolls Estates



The singular ingress/egress of Scardi Boulevard to Sutherlin-Elkton Hwy [State Hwy 138] without traffic control at the juncture – and in relation to the proposed two-point additional traffic from the “GOODFELLAS” 91 lot subdivision as shown in the planning file is specifically detrimental to the existing homes on Scardi Boulevard to the EAST of both proposed access roads as shown in the Preliminary EMS exhibit.

Noted is the proximity to INTERSTATE 5 [Southbound] with homes in the KNOLLS subdivision with approximate 200’ easement to I-5 while the EASTERN homes of the GOODFELLAS plots appear by plotted EMS ACCESS EXHIBIT to as little as 20’. Interstate 5 is highly prone to roadside fires caused by multiple causes. In the case of a localized, or more to task, spreading wind aided fires, the entirety of the additional 91 lots [and the attendant vehicles] Of the GOODFELLAS proposed lots would be evacuating the traffic in two pinch points – potentially blocking evacuation of the 21 lots to the EAST of the traffic ingress of the similarly positioned Scardi Boulevard and Slazinger Court homes.

The respondent was a resident of Conestoga Hills subdivision, evacuated in the Skeleton Fire in Deschutes County in August of 1996. A neighboring subdivision, Sundance, had 23 homes burned to the ground. Both subdivisions were low density – large parcel [2-5 acre] subdivisions. This is quite unlike this very high-density example. Both the Conestoga and Sundance subdivisions had singular ingress/egress. The rapid, and wind aided nature of the fire’s spread created mass exit of car and transport vehicles. This inhibited rescue equipment ingress to fight the fire, and property owner’s exit to safety.

The impact was critical in term of fire losses – fortunately there was no loss of life. In clarity it should be noted the population density and proximity of structure was likely 20% of the proposed GOODFELLAS addition.

ANY fire from the EAST, be it localized, or wind aided would be devastating in this Sutherlin example. It could produce a gridlock for the 21 existing homes landlocked and blocked by the developed lots to the Proposed DUAL ingress to the upper reaches of Scardi Boulevard.

Similar fire situations have occurred in Canyonville and other locations in Douglas County that preclude dismissing the potential herein. I respectfully urge AGAINST the placement to two additional ingress/egress points that pose the risk of isolation of the 23 EASTERLY Scardi Boulevard and Slazinger Court homes

Respectfully submitted this 23<sup>rd</sup> day of August, 2023

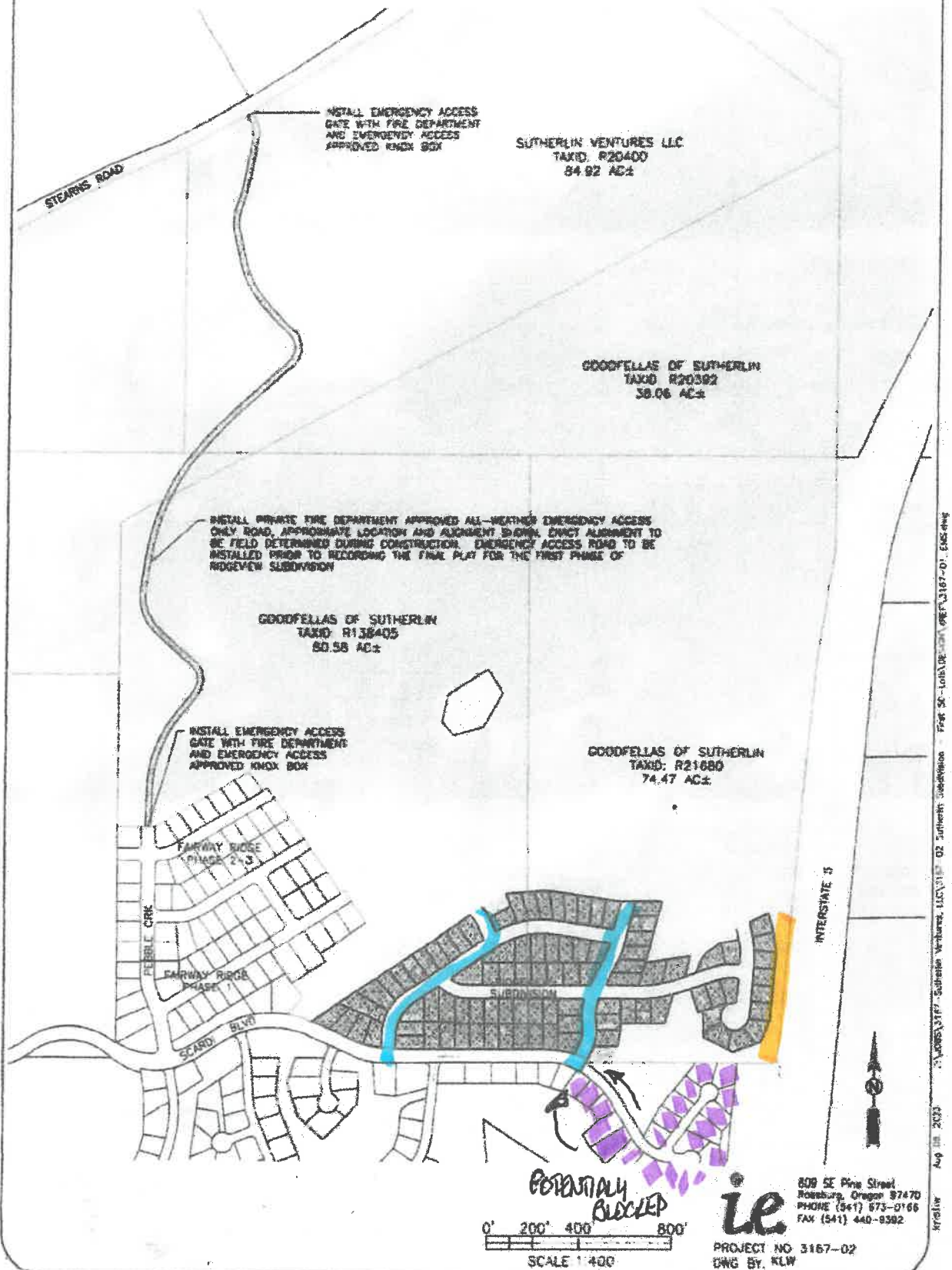
A handwritten signature in blue ink, appearing to read 'Scott McGinnis', written over a horizontal line.

Scott McGinnis

A handwritten signature in blue ink, appearing to read 'Cindy L. McGinnis', written in a cursive style.



# RIDGEVIEW SUBDIVISION PRELIMINARY EMS ACCESS EXHIBIT



August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

RECEIVED  
8/23/23

2:32 P  
Bm

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Vicki Merrill

Signature

Vicki Merrill

Printed Name

1951 Scardi Blvd

Address

541-254-0927

Phone/Email

Over – Additional Signatures

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Danna Mock / Robert Mock

Signature

Danna Mock      Robert Mock

Printed Name

1826 Culver Loop -

Address

541-680-0839 - dannamock@gmail.com

Phone/Email

August 24, 2023

Sutherlin City Community Development & Planning Dept.  
c/o Sutherlin City Hall  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

RE: SAFETY CONCERNS: Proposed Subdivision – O Scardi Blvd; Planning Department File No. 23-S009

As a resident of the Knolls Estates subdivision since 2012, I am writing to request that you please give serious consideration to denying the Proposed Request for a 91-home subdivision, adjacent to our community and the newer subdivision of Fairway Ridge, until which time that a second paved road for entrance and exit be required to be in place prior to any more homes being built above us. I have extreme concerns that this proposed subdivision will create a serious safety issue for the residents of these subdivisions.

Currently there are approximately 235 homes on the hill above the Oak Hills Golf Course on the west side of Sutherlin. Together we share Dovetail Lane/Scardi Blvd as our one road, entrance and exit, to and from an increasingly highly traveled Hwy 138. Please also consider the fact that we have a high population of elderly, including some disabled individuals in our subdivision.

An emergency “gated road”, to be used by police and fire personnel only, does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit. In the event of a wildfire, or other necessary evacuation, this could be disastrous.

My biggest concern is for the safety of the residents of this community. When making your decision please keep in mind the Sutherlin Planning Codes clearly state safety for community residents is one of the conditions for any growth consideration.

In conclusion, please deny the proposed request for the 91 homes until such time that an approved second paved road, for egress and ingress, be required as a provision for the construction of more homes being built above us.

Thank you for your time, consideration, and efforts to keep Sutherlin a safe community for all.

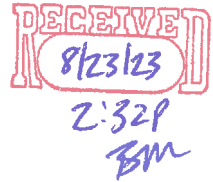
Sincerely,

A handwritten signature in blue ink that reads 'Sierra Moon'.

Sierra Moon



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.


Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

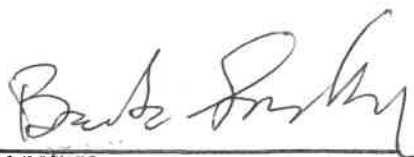
  
Signature

  
Printed Name

  
Address

  
Phone/Email

Over – Additional Signatures



Signature

Brooks Smallwood

Printed Name

870 Medina Ave.

Address (985) 710-2480

Phone/Email



Signature

Printed Name

Address

Phone/Email



Signature

Michael Williams

Printed Name

863 Medina

Address

775-233-2485

Phone/Email



Signature

Stanley C. Nickel

Printed Name

806 Sand Pines Ave

Address

949-257-9172 snickel/cvhs@yahoo.com

Phone/Email



August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled State Hwy 138**.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Carolyn A. Nielsen

Signature

Carolyn A. Nielsen

Printed Name

523 St. Andrews Ct.

Address

541-529-0022

Phone/Email



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

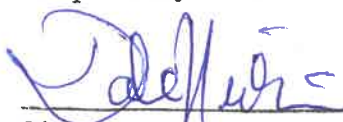
As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled State Hwy 138**.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
\_\_\_\_\_  
Signature

Dale E Nielsen  
\_\_\_\_\_  
Printed Name

523 St. Andrews Ct.  
\_\_\_\_\_  
Address

503-944-2639  
\_\_\_\_\_  
Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature *Mary A. Nordeen*

Printed Name *Mary A. Nordeen*

Address *2274 Eagle Loop Sutherlin, OR 97479*

Phone/Email *541-802-1026*

Over – Additional Signatures

## Jamie Fugate

---

**From:** HOROWITZ Micah <Micah.HOROWITZ@odot.oregon.gov> on behalf of ODOT Region 3 Development Review <R3DevRev@odot.oregon.gov>  
**Sent:** Tuesday, October 10, 2023 12:52 PM  
**To:** Jamie Fugate; Kristi Gilbert  
**Cc:** BROOKS Aaron G; WANG Wei; WELLS David; EPPS Mark; BAKER Michael  
**Subject:** 23-S009 - Subdivision notice - Recommendation of denial

### [EXTERNAL SOURCE - USE CAUTION]

Hi Jamie,

ODOT requests a continuance of the hearing for file no 23-S009 scheduled for next Tuesday Oct 17.

We are still working with the applicants team in refining the traffic analysis and can not provide a letter of support at this point in time.

Best regards,  
Micah

**Micah Horowitz** | Development Review Planner  
ODOT Region 3 | Southwest Oregon (Coos, Curry, Douglas, Jackson & Josephine Counties)  
c: 541.603.8431 | e: [micah.horowitz@odot.oregon.gov](mailto:micah.horowitz@odot.oregon.gov)

**From:** Jamie Fugate [j.fugate@ci.sutherlin.or.us](mailto:j.fugate@ci.sutherlin.or.us)  
**Sent:** Tuesday, October 10, 2023 9:41 AM  
**To:** ODOT Region 3 Development Review [R3DevRev@odot.oregon.gov](mailto:R3DevRev@odot.oregon.gov)  
**Cc:** Kristi Gilbert [k.gilbert@ci.sutherlin.or.us](mailto:k.gilbert@ci.sutherlin.or.us)  
**Subject:** RE: 23-S009 - Subdivision notice - Recommendation of denial

You don't often get email from [j.fugate@ci.sutherlin.or.us](mailto:j.fugate@ci.sutherlin.or.us). [Learn why this is important](#)

This message was sent from outside the organization. Treat attachments, links and requests with caution. Be conscious of the information you share if you respond.

Hi Micah –

Just reaching out to see if you are sending in a revision to the staff report for file no. 23-S009. The staff report is due today and if you have revised, additional or any comments if we could receive them by 1:00pm. That would be greatly appreciated!

Thanks, have a great day!

Jamie Fugate

**From:** HOROWITZ Micah <[Micah.HOROWITZ@odot.oregon.gov](mailto:Micah.HOROWITZ@odot.oregon.gov)> **On Behalf Of** ODOT Region 3 Development Review  
**Sent:** Tuesday, October 3, 2023 4:38 PM  
**To:** Kristi Gilbert <[k.gilbert@ci.sutherlin.or.us](mailto:k.gilbert@ci.sutherlin.or.us)>



# Oregon

Tina Kotek, Governor

**Department of Transportation**  
Region 3 Planning and Programming  
100 Antelope Drive  
White City, Oregon 97503  
Phone: (541) 774-6299

August 25, 2023

Kristi Gilbert  
Community Development Director  
City of Sutherlin  
126 E Central Ave  
Sutherlin, OR 97479

Re: Scardi Ridgeview Subdivision – File 23-0S009, Goodfellas of Sutherlin

Dear Ms. Gilbert,

Thank you for providing the Oregon Department of Transportation (“ODOT”) with the opportunity to provide comments on the proposed 91 lot subdivision on the 193.11 ac parcel north of Scardi Blvd. in the City of Sutherlin (Lot 1500 in section 7 and tax lots 100 and 203 in section 18 within T25S, R5W).

This property received entitlements in 2007 as part of the land use action PA-07-3/ZC-07-4 (the “Plan Amendment”) and the Planning Commission Findings of Fact (the “Findings”) were approved in October 18, 2007. The Findings included several Transportation Improvements needed to support the Plan Amendment and a Phasing Schedule, which were recorded as attachment B and have been included for reference as Exhibit A. The Goal 12 section of the Findings outline the City of Sutherlin’s (the City”) implementation of the Transportation Planning Rule (OAR 660-12-060) and the protocol for determining significant effect. The City committed to several Policies, including Policy 4 which obligates the City to require the applicant to submit a detailed TIS for each new phase of development on the ASCK property. A detailed TIS is needed both to aid the City in making a finding of Significant Effect under the Transportation Planning Rule, and to determine timing of installation of the Transportation Improvements which were conditions of approval during the 2007 Plan Amendment.

Given the lack of a TIS supporting this application ODOT recommends denial of File 23-0S009. ODOT requests to be consulted for scoping the TIS, and the opportunity to review and provide formal comment to the City on the traffic study as several of the potential Transportation Improvements are on State facilities. As a Type II application ODOT requests to be notified of any further action associated with this application, and requests the application be taken to Public Hearing if advanced prior to ODOT concurrence with a TIS. We look forward to working with you, and the applicant on this project as it moves forward. Please feel free to me at [Micah.HOROWITZ@odot.state.or.us](mailto:Micah.HOROWITZ@odot.state.or.us) or 541-603-8431 should you have any questions or concerns.

Sincerely,

Micah Horowitz  
Region 3 Development Review Planner



# Oregon

Tina Kotek, Governor

Department of Transportation  
Region 3 Planning and Programming  
100 Antelope Drive  
White City, Oregon 97503  
Phone: (541) 774-6299

## Exhibit A

1. Interstate 5 Southbound Ramps: The applicant shall install a traffic signal and eastbound right-turn lane on OR 138W prior to City issuance of Certificate of Occupancy for ASKC's Phase 1. Phase 1 shall not exceed 140 single family units or 1,340 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips.
2. Dovetail Lane Intersection: The applicant shall install a westbound right-turn lane on OR138W prior to City issuance of Certificate of Occupancy for ASKC Phase 2. Phase 2 shall not exceed 140 single family units or 1,340 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips.
3. Dovetail Lane Intersection: The applicant shall install a raised median on OR 138W to restrict access to right-in/right-out and install a new east-west Collector Street connection from Dovetail Lane to Stearns Lane prior to City issuance of Certificate of Occupancy for ASKC Phase 3. Phase 3 shall not to exceed 140 single family units or 1,340 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips.
4. Interstate 5 Southbound Ramps: The applicant shall install an Exit 136 southbound exit ramp in the northwest quadrant and install a traffic signal or roundabout at OR138W/Dakota Street intersection prior to City issuance of Certificate of Occupancy for ASKC Phase 4. Phase 4 shall not exceed 130 single family units or 1,244 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips. The Phase 4 traffic signal improvement shall relocate the temporary traffic signal installed at the southbound ramps for ASKC Phase 1.

Note that all Interstate 5 southbound ramp improvements must be constructed to conform to OAR 734, Division 20. All traffic signal improvements need to conform to the Traffic Signal Approval Process as established by Oregon Administrative Rules 734-020-0400 to 0490 and the Oregon Traffic Manual, Chapter 6.34. The required signal investigation documentation is the responsibility of the applicant. The documentation is to be submitted to the State Traffic Engineer for approval through the Region 3 Traffic Section.



# Oregon

Tina Kotek, Governor

**Department of Transportation**  
Region 3 Planning and Programming  
100 Antelope Drive  
White City, Oregon 97503  
Phone: (541) 774-6299

August 25, 2023

Kristi Gilbert  
Community Development Director  
City of Sutherlin  
126 E Central Ave  
Sutherlin, OR 97479

Re: Scardi Ridgeview Subdivision – File 23-0S009, Goodfellas of Sutherlin

Dear Ms. Gilbert,

Thank you for providing the Oregon Department of Transportation (“ODOT”) with the opportunity to provide comments on the proposed 91 lot subdivision on the 193.11 ac parcel north of Scardi Blvd. in the City of Sutherlin (Lot 1500 in section 7 and tax lots 100 and 203 in section 18 within T25S, R5W).

This property received entitlements in 2007 as part of the land use action PA-07-3/ZC-07-4 (the “Plan Amendment”) and the Planning Commission Findings of Fact (the “Findings”) were approved in October 18, 2007. The Findings included several Transportation Improvements needed to support the Plan Amendment and a Phasing Schedule, which were recorded as attachment B and have been included for reference as Exhibit A. The Goal 12 section of the Findings outline the City of Sutherlin’s (the City”) implementation of the Transportation Planning Rule (OAR 660-12-060) and the protocol for determining significant effect. The City committed to several Policies, including Policy 4 which obligates the City to require the applicant to submit a detailed TIS for each new phase of development on the ASCK property. A detailed TIS is needed both to aid the City in making a finding of Significant Effect under the Transportation Planning Rule, and to determine timing of installation of the Transportation Improvements which were conditions of approval during the 2007 Plan Amendment.

Given the lack of a TIS supporting this application ODOT recommends denial of File 23-0S009. ODOT requests to be consulted for scoping the TIS, and the opportunity to review and provide formal comment to the City on the traffic study as several of the potential Transportation Improvements are on State facilities. As a Type II application ODOT requests to be notified of any further action associated with this application, and requests the application be taken to Public Hearing if advanced prior to ODOT concurrence with a TIS. We look forward to working with you, and the applicant on this project as it moves forward. Please feel free to me at [Micah.HOROWITZ@odot.state.or.us](mailto:Micah.HOROWITZ@odot.state.or.us) or 541-603-8431 should you have any questions or concerns.

Sincerely,

Micah Horowitz  
Region 3 Development Review Planner





# Oregon

Tina Kotek, Governor

Department of Transportation  
Region 3 Planning and Programming  
100 Antelope Drive  
White City, Oregon 97503  
Phone: (541) 774-6299

## Exhibit A

1. Interstate 5 Southbound Ramps: The applicant shall install a traffic signal and eastbound right-turn lane on OR 138W prior to City issuance of Certificate of Occupancy for ASKC's Phase 1. Phase 1 shall not exceed 140 single family units or 1,340 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips.
2. Dovetail Lane Intersection: The applicant shall install a westbound right-turn lane on OR138W prior to City issuance of Certificate of Occupancy for ASKC Phase 2. Phase 2 shall not exceed 140 single family units or 1,340 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips.
3. Dovetail Lane Intersection: The applicant shall install a raised median on OR 138W to restrict access to right-in/right-out and install a new east-west Collector Street connection from Dovetail Lane to Stearns Lane prior to City issuance of Certificate of Occupancy for ASKC Phase 3. Phase 3 shall not to exceed 140 single family units or 1,340 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips.
4. Interstate 5 Southbound Ramps: The applicant shall install an Exit 136 southbound exit ramp in the northwest quadrant and install a traffic signal or roundabout at OR138W/Dakota Street intersection prior to City issuance of Certificate of Occupancy for ASKC Phase 4. Phase 4 shall not exceed 130 single family units or 1,244 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips. The Phase 4 traffic signal improvement shall relocate the temporary traffic signal installed at the southbound ramps for ASKC Phase 1.

Note that all Interstate 5 southbound ramp improvements must be constructed to conform to OAR 734, Division 20. All traffic signal improvements need to conform to the Traffic Signal Approval Process as established by Oregon Administrative Rules 734-020-0400 to 0490 and the Oregon Traffic Manual, Chapter 6.34. The required signal investigation documentation is the responsibility of the applicant. The documentation is to be submitted to the State Traffic Engineer for approval through the Region 3 Traffic Section.

## Jamie Fugate

---

**From:** HOROWITZ Micah <Micah.HOROWITZ@odot.oregon.gov> on behalf of ODOT Region 3 Development Review <R3DevRev@odot.oregon.gov>  
**Sent:** Friday, August 25, 2023 3:56 PM  
**To:** Jamie Fugate; Kristi Gilbert  
**Cc:** BROOKS Aaron G; WANG Wei; WELLS David; EPPS Mark; BAKER Michael  
**Subject:** RE: 23-S009 - Subdivision notice - Recommendation of denial  
**Attachments:** GoodfellasSubdivision.pdf

### [EXTERNAL SOURCE - USE CAUTION]

Hi Jamie and Kristi,

Please find our comments attached in which we recommend denial of the application. As discussed on an earlier email thread, a traffic study is necessary and would be glad to work with Sutherlin staff and applicant to help scope and review a new detailed study. I would appreciate if you could let me know how you plan to proceed with this application either way.

Best regards,  
Micah

**Micah Horowitz, AICP** | Senior Transportation Planner  
ODOT Region 3 | Southwest Oregon (Coos, Curry, Douglas, Jackson & Josephine Counties)  
c: 541.603.8431 | e: [micah.horowitz@odot.oregon.gov](mailto:micah.horowitz@odot.oregon.gov)

**From:** Jamie Fugate <j.fugate@ci.sutherlin.or.us>  
**Sent:** Thursday, August 17, 2023 2:50 PM  
**To:** HOROWITZ Micah <Micah.HOROWITZ@odot.state.or.us>  
**Subject:** 23-S009 - Subdivision notice

You don't often get email from [j.fugate@ci.sutherlin.or.us](mailto:j.fugate@ci.sutherlin.or.us). [Learn why this is important](#)

This message was sent from outside the organization. Treat attachments, links and requests with caution. Be conscious of the information you share if you respond.

Good Afternoon –

Attached is the land use notice for file no. 23-S009 – a copy was also mailed to you.

Thanks,

*Jamie Fugate*  
City Planner  
541-459-2856  
126 E Central Ave  
Sutherlin, OR 97479



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled State Hwy 138**.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
Signature

JACQUELINE Potestio  
Printed Name

1830 Culver Loop  
Address SUTHERLIN, OR 97479

530-736-7759 jmlrpl369@aol.com  
Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled State Hwy 138**.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

DAVID POTESTIO

Printed Name

1830 Oakview Loop Sutherlin OR  
Address 97479

depotestio@gmail.com  
Phone/Email

530-990-1174

## Jamie Fugate

---

**From:** Aaron Swan  
**Sent:** Wednesday, October 4, 2023 8:46 AM  
**To:** Jamie Fugate  
**Subject:** FW: Hearing Notice (23-S009)

I guess I sent this reply of the reply to myself. Weird

**From:** Aaron Swan  
**Sent:** Wednesday, October 4, 2023 8:45 AM  
**To:** Aaron Swan <a.swan@ci.sutherlin.or.us>  
**Subject:** RE: Hearing Notice (23-S009)

**From:** Aaron Swan  
**Sent:** Wednesday, October 4, 2023 8:12 AM  
**To:** Jamie Fugate <[j.fugate@ci.sutherlin.or.us](mailto:j.fugate@ci.sutherlin.or.us)>  
**Subject:** RE: Hearing Notice (23-S009)

Re. Goodfellas of Sutherlin Subdivision request File #23-S009

The applicant will need to provide plans for the sub division that adhere to City of Sutherlin construction specifications. These plans must include but are not limited to; An 8" minimum water line extension detail, A 4" pressure sewer line extension ( main and lateral detail, Street detail including width, sidewalk and subgrade detail, and a storm water plan that includes detention ponds. Developer should pay close attention to elevation as they are at the upper reaches of the city water system. While minimum pressures (20 lbs. at the meter) will be met, the pressures that people are used to may not be attained without booster pumps.

Aaron Swan  
Public Works director  
City of Sutherlin

**From:** Jamie Fugate <[j.fugate@ci.sutherlin.or.us](mailto:j.fugate@ci.sutherlin.or.us)>  
**Sent:** Tuesday, October 3, 2023 10:56 AM  
**To:** Aaron Swan <[a.swan@ci.sutherlin.or.us](mailto:a.swan@ci.sutherlin.or.us)>  
**Subject:** Hearing Notice (23-S009)

Aaron –

Please see attached public hearing notice for file number 23-S009 and respond accordingly at your soonest.



Thanks,

*Jamie Fugate*  
City Planner  
541-459-2856  
126 E Central Ave

Carolyn R Reeves  
880 Sand Pines Avenue  
Sutherlin, OR 97479

August 22, 2023

RECEIVED  
8/24/23  
9:29 am Jm

Sutherlin City Hall  
Sutherlin City Community Development & Planning Dept.  
126 E. Central Avenue  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Re: Subdivision - 0 Scardi Blvd.; Planning Department File No. 23-S009

As a community member residing in the Fairway Ridge subdivision since August 2019 I am highly concerned about the increase in traffic on Scardi Boulevard and safety of residents with the addition of 91 proposed homes.

~ As a daily walker I often experience vehicles passing me well over 30 MPH on Scardi. The only sidewalk is along the side of Fairway Ridge. The two communities (Knolls Estate & Fairway Ridge) have many daily walkers along Scardi as well as golf carts. Residents from Westview also walk this area. With the addition of 91 homes the number of speeders will increase and safety decrease.

~ Safety for the citizens is important to the City of Sutherlin as evidenced on the city's website. The site has a section on Safety and procedures to follow when there is a natural disaster. With the proposed additional homes and only one entrance/exit to Hwy 138 providing a safe route for this area is highly questionable. When stopped at Dovetail to travel onto Hwy 138 I have imagined what the traffic backup would be like to escape the area because of a natural disaster. Also the NPO property along Scardi has an abundance of fire fuel which cars and RVs in the backup would be waiting along side to get to safety on Hwy 138.

~ It would be an unimaginable tragedy for these wonderful communities to suffer an event like Paradise or Lahaina.

Please seriously consider requiring the developers provide an additional paved road for the ingress and egress of the Knolls Estates, Fairway Ridge and proposed Ridgeview subdivision traffic to insure the safety of the residents.

Sincerely,



Carolyn R Reeves  
[carolynreeves@comcast.net](mailto:carolynreeves@comcast.net)

Carolyn R Reeves  
880 Sand Pines Avenue  
Sutherlin, OR 97479

August 22, 2023

RECEIVED  
8/24/23  
9:29 am Jm

Sutherlin City Hall  
Sutherlin City Community Development & Planning Dept.  
126 E. Central Avenue  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Re: Subdivision - 0 Scardi Blvd.; Planning Department File No. 23-S009

As a community member residing in the Fairway Ridge subdivision since August 2019 I am highly concerned about the increase in traffic on Scardi Boulevard and safety of residents with the addition of 91 proposed homes.

~ As a daily walker I often experience vehicles passing me well over 30 MPH on Scardi. The only sidewalk is along the side of Fairway Ridge. The two communities (Knolls Estate & Fairway Ridge) have many daily walkers along Scardi as well as golf carts. Residents from Westview also walk this area. With the addition of 91 homes the number of speeders will increase and safety decrease.

~ Safety for the citizens is important to the City of Sutherlin as evidenced on the city's website. The site has a section on Safety and procedures to follow when there is a natural disaster. With the proposed additional homes and only one entrance/exit to Hwy 138 providing a safe route for this area is highly questionable. When stopped at Dovetail to travel onto Hwy 138 I have imagined what the traffic backup would be like to escape the area because of a natural disaster. Also the NPO property along Scardi has an abundance of fire fuel which cars and RVs in the backup would be waiting along side to get to safety on Hwy 138.

~ It would be an unimaginable tragedy for these wonderful communities to suffer an event like Paradise or Lahaina.

Please seriously consider requiring the developers provide an additional paved road for the ingress and egress of the Knolls Estates, Fairway Ridge and proposed Ridgeview subdivision traffic to insure the safety of the residents.

Sincerely,

  
Carolyn R Reeves  
[carolynreeves@comcast.net](mailto:carolynreeves@comcast.net)

## Jamie Fugate

---

**From:** Bill Riley <riley112457@gmail.com>  
**Sent:** Tuesday, August 22, 2023 5:33 PM  
**To:** Jamie Fugate  
**Subject:** Fwd:

[EXTERNAL SOURCE - USE CAUTION]

----- Forwarded message -----

**From:** Bill Riley <[riley112457@gmail.com](mailto:riley112457@gmail.com)>  
**Date:** Tue, Aug 22, 2023 at 5:23 PM  
**Subject:** Fwd:  
**To:** Sandy Riley <[sdriley60@gmail.com](mailto:sdriley60@gmail.com)>

----- Forwarded message -----

**From:** Sandy Riley <[sdriley60@gmail.com](mailto:sdriley60@gmail.com)>  
**Date:** Tue, Aug 22, 2023 at 5:13 PM  
**Subject:**  
**To:** Bill Riley <[riley112457@gmail.com](mailto:riley112457@gmail.com)>

August 23, 2023

Sutherlin City Hall  
c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

**To:** Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision- 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in the Knolls Estates subdivision I am very concerned about the following: Has any studies been done to ensure Scardi Blvd can handle the added traffic? Has any studies been done about traffic from Scardi Blvd to Hwy 138? Has any studies been done from the I-5 Southbound exit onto Hwy 138 West? This should ALL be done before any development is approved.

We are already being asked to cut back on water usage. Does the City of Sutherlin have enough water for the additional 91 new homes? Will the City of Sutherlin wastewater treatment plant be able to process the additional influent?

I have too many concerns and unanswered questions. At this time I'm asking the City of Sutherlin to deny the application.

Several weeks ago Lucas Main Constuction started clearing/grubbing/stripping the 22+/- acres above Scardi Blvd. My concern is there isn't any form of dust or erosion control. Was a clearing permit issued for this work? Who from the City of Sutherlin is in charge of monitoring this work and enforcing the corrections required?

Monday, August 22, 2023 Lucas Main Construction was clearing/grubbing/stripping above my house as late as 3:30pm with a level 3 fire danger in effect. The City of Sutherlin and DFPA were notified. DFPA showed up to address the issue.

With the amount of ground cleared/grubbed/stripped who is responsible for erosion control and who from the city is going to enforce it?

Respectfully submitted:

Bill Riley Jr

-----  
Signature

Bill "Butch" Riley

-----  
Printed Name

719 Slazenger Ct Sutherlin

-----  
Address

[Riley112457@gmail.com](mailto:Riley112457@gmail.com)

-----  
Phone/Email

Jami, please reply letting me know you have received this email. As you know I am deeply concerned about the way this work is being done. No concerns for fire safety or erosion control, this would include the dust. I feel as if these guys "Lucas Main Construction" are working under no guide lines set period. Thank you for your time Butch Riley 503-969-7394



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision- 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in the Knolls Estates subdivision I am very concerned about the following:

Has any studies been done to ensure Scardi Blvd can handle the added traffic? Has any studies been done about traffic from Scardi Blvd to Hwy 138? Has any studies been done from the I-5 Southbound exit onto Hwy 138 West? This should ALL be done before any development is approved.

We are already being asked to cut back on water usage. Does the City of Sutherlin have enough water for the additional 91 new homes? Will the City of Sutherlin wastewater treatment plant be able to process the additional influent?

I have too many concerns and unanswered questions. At this time I'm asking the City of Sutherlin to deny the application.



Several weeks ago Lucas Main Constuction started clearing/grubbing/stripping the 22+/- acres above Scardi Blvd. My concern is there isn't any form of dust or erosion control. Was a clearing permit issued for this work? Who from the City of Sutherlin is in charge of monitoring this work and enforcing the corrections required?

Monday, August 22, 2023 Lucas Main Construction was clearing/grubbing/stripping above my house as late as 3:30pm with a level 3 fire danger in effect. The City of Sutherlin and DFPA were notified. DFPA showed up to address the issue.

With the amount of ground cleared/grubbed/stripped who is responsible for erosion control and who from the city is going to enforce it?

Respectfully submitted:

Bill Riley Jr

Signature

Bill "Butch" Riley

Printed Name

719 SLAZENGETZ CT. Sutherlin

Address

Riley112457@gmail.com

Phone/Email 503-969-7394

120 E. Central Ave.  
Sutherlin, OR 97479

RECEIVED  
8/23/23

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled State Hwy 138**.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

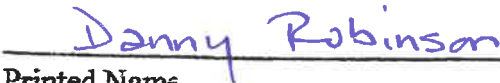
An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:



Signature



Printed Name

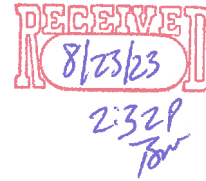


Address



Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Sandra L. Rose  
Signature

Sandra L. Rose  
Printed Name

892 Sandpines Ave.  
Address

541-529-2913      SLrose2020@gmail.com  
Phone/Email

Over – Additional Signatures

James A. Davenport  
Signature

JAMES A. DAVENTPORT  
Printed Name

899 SAND PINES AVE  
Address

541-554-9957  
Phone/Email

Jim 2 | mda @ G-mail

Joyce + Frank Schuier  
Signature

JOYCE + FRANK SCHUIER  
Printed Name

885 SAND PINES AVE  
Address

808-634-7339  
Phone/Email

Joyce 97479@gmail.com

Sean Fallon  
Signature

SEAN FALLON  
Printed Name

857 SAND PINES AVE  
Address

541-643-1381  
Phone/Email

onfall@gmail.com

Anna Davis  
Signature

Anna Davis  
Printed Name

821 Sand Pines Ave.  
Address

541-580-7003  
Phone/Email

amvinciguerra@hotmail.com

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:


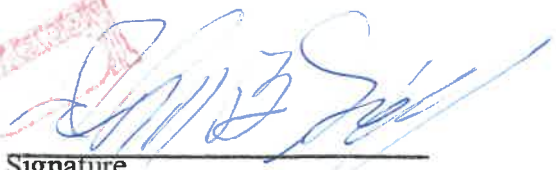
Signature *Mary A. Nordeen*

Printed Name *Mary A. Nordeen*

Address *2274 Eagle Loop Sutherlin, OR 97479*

Phone/Email *541-802-1026*

Over – Additional Signatures

Signature

JOHN SAXBERG

Printed Name

2265 EAGLE LOOP

Address

541 459 7447

Phone/Email



Signature

KAROL Saxberg

Printed Name

KAROL SAXBERG

Address

541-459-7447

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature *Mary A. Nordeen*


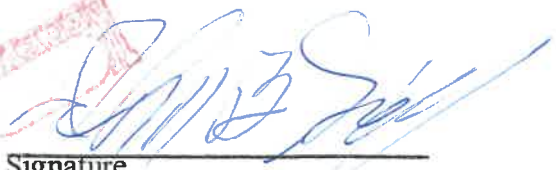
Printed Name *Mary A. Nordeen*

Address *2274 Eagle Loop Sutherlin, OR 97479*

Phone/Email *541-802-1026*

Over – Additional Signatures



Signature

JOHN SAXBERG

Printed Name

2265 EAGLE LOOP

Address

541 459 7447

Phone/Email



Signature

KAROL Saxberg

Printed Name

KAROL SAXBERG

Address

541-459-7447

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature 

Printed Name **MILLO SCHAUER**

Address **1958 CULVER LOOP**  
**SUTHERLIN, OR. 97479**

Phone/Email  
**(541) 580-7747**

Over – Additional Signatures

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

Printed Name

MILO SCHAUER

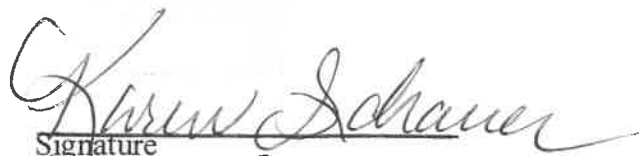
Address

1958 CULVER LOOP  
SUTHERLIN, OR. 97479

Phone/Email

(541) 580-7747

Over – Additional Signatures



Signature

KAREN SCHAUER

Printed Name

1958 CULVER LOOP - SUTHERLIN, OR. 97479

Address

541 500 7749

Phone/Email



Signature

Printed Name

Address

Phone/Email



Signature

ROLAND S. BERRY

Printed Name

1954 CULVER LOOP, SUTHERLIN, OR. 97479

Address

559-246-8811

Phone/Email



Signature

DIANE L. BERRY

Printed Name

1954 Culver Loop, Sutherlin, Or. 97479

Address

559-240-3180

Phone/Email

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

RECEIVED  
8/23/23

2:32 P  
Bm

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Vicki Merrill

Signature

Vicki Merrill

Printed Name

1951 Scardi Blvd

Address

541-254-0927

Phone/Email

Over – Additional Signatures

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

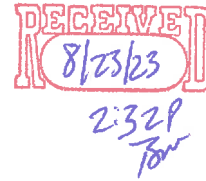
Signature

Printed Name

Address

Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Sandra L. Rose  
Signature

Sandra L. Rose  
Printed Name

892 Sandpines Ave.  
Address

541-529-2913     SLRose2020@gmail.com  
Phone/Email

Over – Additional Signatures



James A. Davenport  
Signature

JAMES A. DAVENTPORT  
Printed Name

899 SAND PINES AVE  
Address

541-554-9957 Jim 2 | mda @ G-mail  
Phone/Email

JOYCE + FRANK SCHUIERER  
Signature

JOYCE + FRANK SCHUIERER  
Printed Name

885 SAND PINES AVE  
Address

808-634-7339  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

JOYCE 97479@gmail.com  
Phone/Email

Austin and Alisha Slate  
1700 Scardi Blvd.  
Sutherlin, Oregon, 97479  
slateaustin@outlook.com  
702-910-5956  
August 23, 2023



Kristi Gilbert, Jamie Fugate, Sutherlin Planning Commission Members  
Sutherlin City Community Development & Planning Department  
126 E. Central Ave.  
Sutherlin, OR, 97479

Subject: Concerns Regarding Safety, Compliance, and Sustainability in Proposed Housing Development

Dear Kristi Gilbert, Jamie Fugate, and Sutherlin Planning Commission Members

I trust this letter finds you in good health. I am writing to express my heartfelt concerns regarding the upcoming housing development near our neighborhood. As a long-standing resident of Knolls Estates, I am deeply invested in the welfare of our community and wish to address several pressing issues surrounding the proposed development.

Foremost among my concerns is the matter of safety. They plan to have the new development share a single entrance and exit with our neighborhood and that raises significant safety risks. The potential traffic congestion and the increased volume of vehicles could create hazardous conditions for both current and future residents. Currently any emergency that arises including but not limited to wildfires, residential fires, flooding, snowstorms, pedestrian, or vehicle accidents on Dove Tail Lane would block residents in Knolls Estates, Fairway Ridge, and the proposed Ridgeview subdivision. The current gated emergency ingress and egress through private land does not reduce the risk unless it is available to residents to utilize in those situations where it is appropriate. I urge you to carefully consider the necessity of an additional permanent entrance and exit for residents of the new proposed subdivision. The increased traffic also poses the risk of vehicle and pedestrian accidents on State Highway 138 at Dove Tail. Additional housing, traffic and citizens also will require additional police and fire resources.

Beyond safety, I am also worried about the new development adhering to building codes, land improvement policies, and regulations. It is crucial that any construction in our city follows the established guidelines to ensure the structural integrity, aesthetics, and overall quality of the neighborhood. I kindly request that the city planning department thoroughly reviews the development plans to ensure full compliance with these standards.

Furthermore, the strain on our already limited water resources is a topic of significant concern. The impact of the proposed housing development on water supply should be assessed comprehensively to ensure that it does not exacerbate existing shortages. Sustainable water management practices must be an integral part of any new development to safeguard the well-being of all residents.

Lastly, I would like to address the type of housing within the new development. Given the character of our neighborhood, I strongly believe that only single-family homes should be permitted in the new development. Apartments, duplexes, trailer homes, or modular homes could alter the overall



ambiance of the area and potentially strain local infrastructure further. Upholding this standard would contribute to the continuity and harmony of our community.

I humbly request that you take these concerns to heart as you evaluate the proposed housing development. The decisions made today will shape the future of our community, and I trust that you will consider the best interests of all residents involved.

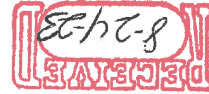
Thank you for your time and dedication to the well-being of our city. I look forward to a positive resolution that prioritizes safety, compliance, sustainability, and the preservation of our neighborhood's unique character.

Sincerely,

A handwritten signature in black ink, appearing to read "Austin", with a stylized flourish at the end.

Austin Slate

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled State Hwy 138**.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

LISA STRICKLAND

Printed Name

536 ST. ANDREWS CT, SUTHERLIN

Address

541-643-5894

Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009


As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
\_\_\_\_\_  
Signature

TOM STRICKLAND  
\_\_\_\_\_  
Printed Name

536 ST. ANDREWS CT. SUTHERLIN  
\_\_\_\_\_  
Address

541-643-5893  
\_\_\_\_\_  
Phone/Email



# **SUTHERLIN FIRE**

***"SERVING OUR COMMUNITY WITH PRIDE"***

---

**Brandan McGarr**  
Division Chief  
250 S. State Street  
Sutherlin, OR 97479  
Station: 541-459-1394

RE: Ridgeview Subdivision

August 24, 2023

Dear Mrs. Fugate,

Below are Sutherlin Fire Departments Comments on the Ridgeview Subdivision. Please note that all requirements are subject to meeting the Oregon Fire Code (OFC) or relevant City of Sutherlin (COS) ordinances.

**Requirements:**

- Emergency access gates shall meet OFC Appendix D requirements on width, construction, etc.
- Sutherlin Fire Department keyed Knoxbox padlocks would be required for emergency access road gates. They can be purchased from [www.knoxbox.com](http://www.knoxbox.com). OFC & COS ordinance.
- Emergency access road must be built to meet OFC requirements in Appendix D including widths, signs, load, etc.
- Hydrant spacing is required to follow OFC Appendix C for spacing requirements.
- Cul-de-sac and road widths are to follow OFC Appendix D.
- Cul-de-sac and road turning radius are to follow OFC Appendix D.
- Per OFC Appendix D, dead end streets will be required to have a fire apparatus turn-a-round for any dead-end road greater than 150'.

**Recommendations:**

- With prospective development, a second means of egress is recommended to be built out to Stearns Lane.
- A 30' fire break is recommended around the subdivision to protect the homes from wildfire. It is recommended that the HOA be required to maintain.
- During construction it is recommended to use fire resistant building materials (hardy plank siding, asphalt shingles, fire resistant vents, etc.).
- It is recommended that you do not place bark mulch around the first five feet around the foundations and decks/patios. Rock is a safer alternative for preventing fire spread.
- Fire resistant plants should be located near the home in place of fire prone vegetation.
- Fire apparatus turn-a-rounds or pullouts every 150-feet on the emergency access road.

Please advise if you have any questions. Thank you.

Sincerely,

Brandan McGarr  
Division Chief / Emergency Manager  
Sutherlin Fire Department

## Jamie Fugate

---

**From:** Sara Thigpen <craftercat@gmail.com>  
**Sent:** Monday, August 21, 2023 1:18 PM  
**To:** Kristi Gilbert; Jamie Fugate  
**Subject:** 23-S009 Goodfellas of Sutherlin SUBD

### [EXTERNAL SOURCE - USE CAUTION]

Dear Planning Dept.

We have concerns regarding the proposed subdivision planned for the land North of Knolls Estates and East of Fairway Ridge. The 91 lots could easily bring 150 or more vehicles. The only entrance/exit will be on Dovetail at Hwy 138. This intersection is already a safety concern for the two existing subdivisions. Development is good, but only when infrastructure can sustain it. Reduced speed on that section of Hwy138 and a stoplight at the intersection of Hwy 138 and Dovetail should be contingent for approval of any land use application in this area.

We love living in Sutherlin. It is a great city. Please put the safety and wellbeing of its citizens over the eagerness for growth and development.

Sincerely,

Richard and Sara Thigpen  
2082 Culver Loop  
Sutherlin, Or. 97479  
[rthigpen123@gmail.com](mailto:rthigpen123@gmail.com)



August 24, 2023

Sutherlin Community Development Department:

We are writing this letter for more informed information in regards to the application request of GOODFELLAS OF SUTHERLIN, LLC in their request for a Subdivision called Ridgeview Subdivision located off Scardi Blvd., Sutherlin, Oregon. We are homeowners in Knolls Estates Subdivision and live within 100 feet of the proposed subdivision.

Our concerns are as follows:

1. **MOST IMPORTANT:** Multi-Access additional full time road to be built into Knolls Estates Subdivision/Avery Subdivision/proposed Ridgeview Subdivision vs. Emergency Access.
2. What type of homes will be built in this subdivision? Stick built homes? Manufactured homes? Section 8 Homes? Homes in this current area are some of the highest tax paying homes in the city.
3. Traffic on Scardi Blvd/Dovetail? The proposed application says 91 homes. How will that affect traffic in the already almost 200 homes currently in this area?

We along with other homeowners in our subdivision are very concerned about the one and only access in and out of Dovetail/Scardi Blvd. The proposed emergency access gate which will be locked at both ends would only be accessible to emergency personnel not the residents who reside in these communities/subdivisions. Safety of all residents is our top priority!!

Jerry & Marcie Tilley  
1724 Scardi Blvd.  
Sutherlin, OR 97479  
541-643-9743  
541-643-7465

Marcie Tilley

August 23, 2023

Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479



To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

Darlene Alberts

Printed Name

829 Pebble CR St

Address

541-217-9331

Phone/Email

darlenealberts21@gmail.com

Over – Additional Signatures



William Earl Wagner

Signature

William Earl Wagner

Printed Name

810 Durham AVE

Address

541-680-7217 WilliamEarlWagner@yahoo.com

Phone/Email

Shirley D. Saeter

Signature

SHIRLEY D. SAETER

Printed Name

818 DURHAM AVE.

Address

(541) 315-2010

Phone/Email

Brian K. Mansfield

Signature

Brian K. Mansfield

Printed Name

854 Durham Ave Sutherlin OR 97479

Address

209 217 7456 mansfieldbkm@gmail.com

Phone/Email

Tammy Smith

Signature

Tammy Smith

Printed Name

815 Durham Ave

Address

916-812-3224 / Dantams98@aol.com

Phone/Email



August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Carole L Wells

Signature

Carole L Wells

Printed Name

1827 Culver Loop

Address Sutherlin, OR

971-285-2741

Phone/Email

39 cwells@gmail.com

August 18, 2023



City of Sutherlin  
C/O Planning Department

Letter of concern, RE: File No. 23-S009  
Goodfellows of Sutherlin

This is a letter of concern regarding the proposed property development along Scardi Blvd that will include the initial request for 91 lots (homes).

My main concern involves the high level of public safety that the city strives to maintain according to the City of Sutherlin mission statement. There is only one entrance (exit) to the Knolls Estates and Fairway Ridge communities. Development of an additional 27 lots (homes) is already under construction. The additional 91 lots (118 total homes) will create a considerable increase in traffic flow through the community and create pressure on the intersection of Hwy 138 and Dovetail. There have been recent fatal accidents at this intersection.

I have some serious concerns regarding public safety if there is not a plan to develop additional egress for entrance and exit to these communities. The EMS Road is not completely adequate because it can only be accessed during an emergency event. Please take this into consideration.

Best regards,

Terry R Wells  
1827 Culver Loop Sutherlin, OR 97479  
[Terrywells1@msn.com](mailto:Terrywells1@msn.com)  
503-805-9352

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
Signature

Karen Butcher  
Printed Name

811 Pebble Crk St.  
Address

541-530-7576 butcher Karen 811@gmail.com  
Phone/Email

Over – Additional Signatures

Warren Hanussak

Signature

Warren Hanussak

Printed Name

871 Sand Pines Ave.

Address

951 526 5136 warren.hanussak@eseris.com

Phone/Email

Lisa Werts

Signature

Lisa WERTS

Printed Name

868 Sand Pines Ave

Address

770-608-9229 lwerts1@gmail.com

Phone/Email

Signature

Printed Name

Address

Phone/Email

Signature

Printed Name

Address

Phone/Email

RECEIVED  
8/24/23

Aug. 21, 2023

To Whom It May Concern:

We are homeowners, having purchased our home seven years ago in Knolls Estates at 2068 Culver Loop. We are elderly and chose, possibly, our last home, because of it being a quiet, nice environment on the outskirts of Sutherland, with less traffic and suitable living conditions, including nice well-built homes and surroundings.

As of now, our whole environment is being put in jeopardy; we have only one inlet and outlet road, which is Scardi Lane to accommodate an access to the existing homes. If the entrance to Knolls Estates (Dove Tail) is blocked by accidents, power outages or other emergencies, we cannot extricate ourselves.

Recently new additions have been enabled to start constructions on adjoining acreages, using and destructing our roadways, belonging to the Knolls Estates homeowners, with numerous trucks and equipment. The most drastic is ball-busters and heavy equipment leveling trees, brush and dirt making air and dust so intense, covering our homes and the inhabitants can't exist with it. It is a complete health hazard.

Another road opening should be obtained for all new housing, plus not use our water storage.

A permit should not be issued until the traffic for new construction is stopped.

Sincerely,

559-901-7450

H. Lynn & Carlene Westbrook



## Jamie Fugate

---

**From:** Susanne Weston <dragonfly917@reagan.com>  
**Sent:** Friday, August 18, 2023 2:26 PM  
**To:** k.gibert@ci.sutherlin.or.us  
**Cc:** Jamie Fugate  
**Subject:** Planning Department File No. 23-8009 Subdivision - 0 SCARDI BLVD

### [EXTERNAL SOURCE - USE CAUTION]

My husband and I reside at 1901 Innsbrook Ct. and use Scardi Blvd./Dovetail Ln. exclusively for ingress and egress to and from our home. Having only one street to egress this area in case of an emergency is already somewhat of a problem. There is no way these streets could quickly empty homes in case of a large fire. Adding 91 homes, and their average vehicle count of 180 cars, to this single road access/egress is not safe. We have three vehicles and most of our neighbors do also, so a vehicle count of 180 is probably light. Adding construction equipment going in and out is already a problem, it will only get worse.

If the Goodfellas intend to build out all of their property, they should provide a paved street to Stearns now, so that this new subdivision has safe access out of the area, and consequently, so do homeowners in the surrounding subdivisions. Again, dumping all traffic onto a single two-lane street just does not make sense.

In looking at the subdivision schematics, it would appear that the lot sizes are one-half the size of the surrounding subdivisions. This is not a low-density subdivision when compared to surrounding areas and to the zoning (R-1) and (RH) within the Sutherlin Comprehensive Plan.

The subdivision to the south of Dovetail Lane, across OR-138, has multiple streets to egress the area; over five at least. That makes their traffic patterns less concentrated and provides easier emergency egress than funneling all traffic onto one street.

Having relatives in two fire areas in California, most of the deaths were people caught in their cars trying to escape. We may say "it can't happen here" and eat our words later. Better safe than sorry.

Again, please consider the traffic issue and density of this proposed subdivision.

Thank you,

Jerry & Susanne Weston  
1901 Innsbrook Ct.  
Sutherlin, OR 97479  
541-679-2997

RECEIVED  
8/23/23  
JF

TO: Sutherlin Community Development Director +  
City Planners.

RE: Goodfellas of Sutherlin Ridgeview Subdivision  
August 23, 2023

FROM: Don + Lynn Wilcox, Carol Kelley 1789 Culver Loop  
# 408-930-7032 Sutherlin, OR

To whom it may concern,

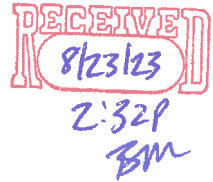
We have received a copy of the proposed subdivision plan, File # 23-8009. Thank you for the opportunity to voice our concerns.

We understand + appreciate that growth is inevitable and necessary for the town of Sutherlin and we welcome a responsible, well designed development with sufficient infrastructure. Our primary concern is SAFETY!

The proposed inlet/outlet to Hwy 138 (with the added vehicles) will possibly create a serious, even deadly situation in the event of a disaster. We survived an ~~exactly~~ eerily similar situation in Paradise, CA on Nov. 8<sup>TH</sup>, 2018. 85 people lost their lives, many in cars trying to escape the flames but with one main road out of town they were not able.

In addition, the added cars will create a backlog exiting from Dovetail onto 138. My suggestion would be for every new road accessing Scandi/Dovetail there should be a new road (for public use) added to Stearns lane. Respectfully, Lynn Wilcox, Don Wilcox, Carol Kelley. Lynn Wilcox, Don Wilcox, Carol E. Kelley

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

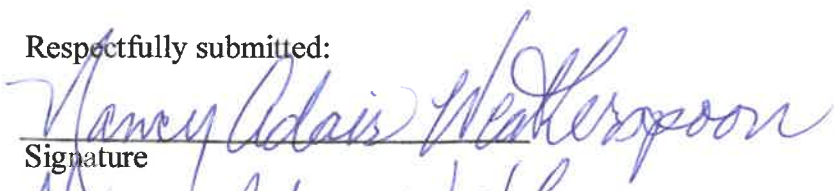
As a community member living in Fairway Ridge subdivision adjacent to the Knolls Estate subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.


Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

  
Signature

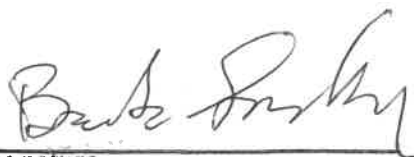
  
Printed Name

  
Address

  
Phone/Email

Over – Additional Signatures





Signature

Brooks Smallwood

Printed Name

870 Medina Ave.

Address (985) 710-2480

Phone/Email



Signature

Printed Name

Address

Phone/Email



Signature

Michael Williams

Printed Name

863 Medina

Address

775-233-2485

Phone/Email



Signature

Stanley C. Nickel

Printed Name

806 Sand Pines Ave

Address

949-257-9172 snickel/cvhs@yahoo.com

Phone/Email

August 23, 2023



Sutherlin City Hall

c/o: Sutherlin City Community Development & Planning Dept.  
126 E. Central Ave.  
Sutherlin, OR 97479

To: Kristi Gilbert, Community Development Director  
Jamie Fugate, City Planner  
Sutherlin Planning Commission Members

Letter of Comment

Re: Subdivision – 0 Scardi Blvd; Planning Department File No. 23-S009

As a community member living in Knolls Estates subdivision adjacent to the Fairway Ridge subdivision and potentially adjacent to the proposed aforementioned subdivision, I am **HIGHLY concerned**. This proposed addition of 91 homes to an area that already has approximately 235 homes will require residents to share only **ONE Entrance and Exit**, then safely navigate joining the **Highly Traveled** State Hwy 138.

I understand growth is good, but surely as per Sutherlin Planning Codes are written, **Safety** for community residents is one of the conditions for any growth considerations. With this in mind, surely the Planning Commission and Administrative Personnel must see that the addition of more homes would require newly established safe **Entrance and Exit** be conditions for approval.

An Emergency “gated road” to be used by police and fire personnel does not provide additional ingress and egress for the subdivisions. Residents will still be restricted to one available option for entrance and exit.

Please give **SERIOUS** consideration to denying the Proposed Request until such time as an approved second Paved Road for **Entrance and Exit** is required as a provision for the construction of the proposed 91 homes.

Respectfully submitted:

Signature

Printed Name

Address

Phone/Email

Brandy & Dan Wright  
2289 Eagle Loop  
Sutherlin OR 97479  
541-802-6315  
541-802-6314  
8/23/2023



Sutherlin Community Development Director  
126 E. Central Ave  
Sutherlin Or 97479

I'm writing to Sutherlin Community Development Director:

Regarding Subdivision - 0 Scardi Blvd

We have leaved in the Knolls estate for the past 6 years

The construction of 91 new homes in an area with 161+ existing homes with one access road is of concern to me. We have already seen people speeding down Dovetail/Scardi road and many mailboxes and fences have been destroyed. Highway 138 had many fenders bender turning onto Dovetail Ln, resulting in one fatal accident because drivers were in too much of a hurry and did not want to wait for a turning vehicle. Our relative stayed with us this summer, and they commented on the danger it is to merge from Eagle Loop (lower loop road) onto Dovetail Road, they had a car almost hit them when turning on to Dovetail. It is difficult to see anyone coming until it is too late due to the steep hill on Dovetail/Scardi.

The one main road out of the Knolls Estates was blocked for hours following the fatal accident, making it impossible for people to come or go, which I consider to be extremely dangerous. The new construction with Ford's Pond will only result in an increase in traffic on Highway 138.

We need more than one access road from the Knolls estate, speed bumps on Dovetail/Scardi with stop lights at the bottom, and a lower speed limit on Highway 138 between Recreation Lane and SW Church Road. As a result, congestion on Dovetail/Scardi will be reduced, and traffic will be slowed down on Highway 138, enabling traffic to merge safely onto Highway 138.

Even though I do not oppose the construction of more homes or the creation of new recreational opportunities at Fords Pond, I want you to be aware of how unsafe it already is without the additional traffic on Dovetail/Scardi and Highway 138.

Sincerely,  
Brandy & Dan Wright

**23 August, 2023 at 11:57:34 PM +00:00**

**To: Community Development**

**City of Sutherlin**

**Fax #: +1 (541) 459-9363**

**From: Brandy Wright**

**brandy@wrightwaybusinessservices.com (IP: 47.5.242.214)**

**Phone #: +1 (541) 802-6315**

---

Written Statement in regards to the Subdivision - 0 Scardi Blvd

Brandy Wright

541-802-6315

Bwright5710@gmail.com



# CITY OF SUTHERLIN SUBDIVISION APPLICATION

Community Development  
126 E. Central Avenue  
Sutherlin, OR 97479  
(541) 459-2856

FILE NO. **23-S009**DATE FILED: 7-28-2023FEE: \$1000.00 plus \$30.00 per unit over 100 + Legal Fees (Non-refundable)

## THE UNDERSIGNED OWNER(S) OR AUTHORIZED AGENT(S) HEREBY SUBMIT A SUBDIVISION APPLICATION TO THE CITY OF SUTHERLIN

### 1. APPLICATION INFORMATION

#### APPLICANT:

Name(s): Goodfellas of SutherlinAddress(s): 2985 NW 144th Ave, Beaverton, OR 97006Phone(s): 541.660.3661Email: N/A

#### TITLEHOLDER OF SUBJECT PROPERTY:

Name(s): Goodfellas of SutherlinAddress: 2985 NW 144th Ave, Beaverton, OR 97006Phone(s): 541.660.3661Email: N/A

#### AUTHORIZED AGENT(s):

Name(s): i.e. EngineeringAddress: 809 SE Pine St, Roseburg, OR 97470Phone(s): 541.673.0166Email: palm@ieengineering.com

### 2. PROPERTY DESCRIPTION

A. T 25 R 05 Sec 7, 18 Tax Lot(s) 1500, 203, 100B. Property No. ID(s): R20392, R138405, R21680C. Present Size of Parcel: 193.11 acres +/-C. Total land area involved in the Subdivision request ACRES: 22 +/- SQ FT: 942,270 +/-

### 3. EXISTING AND ANTICIPATED USE INFORMATION

- A. Current Use: Unimproved - Vacant
- B. City Zoning: R1 (Please note the entire proposed subdivision is on R1 Zone property)
- C. Comprehensive Plan: Residential
- D. Anticipated Use: 91 Lot Subdivision
- E. Will there be a HOA (Home Owners Assoc.):        YES   x   NO
- F. Is it anticipated that structures will be removed/demolished from the property?  
       YES   x   NO if yes, a separate application for demolition is required.
- G. Are any historic structures or historically significant features on the subject property?  
       YES   x   NO If yes, describe any impacts to such features.  
\_\_\_\_\_  
\_\_\_\_\_
- H. What is the minimum lot size proposed 7,000 SQ FT  
What is the maximum lot size proposed 10,210 +/- SQ FT
- I. What is the anticipated time for development? Development will start immediately and be completed as soon as possible.  
Looking for completion by the end of 2024.
- J. Will this development be in phases?   x   YES        NO If yes, number and timeline of additional  
phase completion 3-Phases - 6 months for each Phase. Phase 1- 38 Lots; Phase 2- 34 Lots; Phase 3 - 19 Lots
- K. Name of the proposed Subdivision (NO DUPLICATE NAMES ALLOWED IN DOUGLAS  
COUNTY) Ridgeview Subdivision
- L. All proposed street names Jordan St, Nicholas Ave, Lincoln Ave, Reed St, and Miles Ct

### 4. REQUIRED ATTACHMENTS (Please submit all tentative plans/plats electronically)

- A. General Information:
1. Name of Subdivision (not required for partitions). This name must not duplicate the name of another subdivision in the county in which it is located (please check with county surveyor);
  2. Date, North arrow, and scale of drawing;
  3. Location of the development sufficient to define its location in the city, boundaries, and a legal description of the site;
  4. Names, addresses and phone numbers of the owners, project designer, engineer(s), and or surveyor, and the date of the survey; and
  5. Identification of the drawing as a "tentative plan."
- B. Site Analysis:
1. Streets: Location, name, present width of all existing streets, alleys and rights-of-way on and

B. Site Analysis:

1. Streets: Location, name, present width of all existing streets, alleys and rights-of-way on and abutting the site;
2. Easements: Width, location and purpose of all existing easements of record on and abutting the site;
3. Utilities: Location and identity of all existing utilities on and abutting the site. If water mains and sewers are not on or abutting the site, indicate the direction and distance to the nearest ones;
4. Ground elevations shown by contour lines at five (5) foot vertical intervals for ground slopes exceeding ten (10) percent and at two (2) foot intervals for ground slopes of less than ten (10) percent. Such ground elevations shall be related to some established benchmark or other datum approved by the county surveyor;
5. The location and elevation of the closest benchmark(s) within or adjacent to the site (i.e., for surveying purposes);
6. Potential natural hazard areas, including any flood plains, areas subject to high water table, landslide areas, and areas having a high erosion potential;
7. Wetland and floodplain, including wetland areas, streams, wildlife habitat, and other areas identified by the city or natural resource regulatory agencies as requiring protection;
8. Site features, including existing structures, pavement, areas having unique views, drainage ways, and ditches;
9. Designated historic and cultural resources on the site and adjacent parcels or lots; and
10. The location, size and species of existing trees having a caliper (diameter) of twelve (12) inches or greater at four (4) feet above grade.

C. Proposed Improvements:

1. Proposed public and private streets, tracts, driveways, open space and park land; location, names, right-of-way dimensions, approximate radius of street curves; and approximate finished street center line grades. All streets and tracts which are being held for private use and all reservations and restrictions relating to such private tracts shall be identified;
2. Location, width and purpose of all proposed easements and dedications;
3. Lots and private tracts (e.g., private open space, common area, or street): approximate dimensions, area calculation (e.g., in square feet), and identification numbers for all lots and tracts;
4. Proposed uses of the property, including all proposed common areas or improvements, areas proposed to be dedicated to the public or reserved as open space for the purpose of surface water management, recreation, or other use;
5. Proposed improvements, as required by chapter 3 of the Sutherlin Development Code, Design Standards, and timing of improvements (e.g., in the case of streets, sidewalks, street trees, utilities, etc.);
6. The proposed source of domestic water;
7. The proposed method of sewage disposal, and method of surface water drainage and treatment if required;
8. The approximate location and identity of other utilities, including the locations of street lighting fixtures;
9. Proposed railroad crossing or modifications to an existing crossing, if any, and evidence of contact with Oregon Department of Transportation (ODOT) related to proposed railroad crossing(s);
10. Proposed changes to navigable streams, or other water courses. Provision or closure of public access to these areas shall be shown on the tentative plan, as applicable;




11. Identification of the base flood elevation, if applicable to the site;
12. Grading plan, if site is larger than five (5) acres;
13. Evidence of contact with ODOT for any development requiring access to a highway under the state's jurisdiction; and
14. Evidence of contact with the applicable natural resource regulatory agency(ies) for any development within or adjacent to jurisdictional wetlands.
15. Include an impact study for all land division applications proposing ten (10) or more residential lots, and for all site plan applications proposing ten thousand (10,000) square feet or more site area. The impact study shall:
  - (1) Quantify/assess the effect of the development on public facilities and services;
  - (2) Address, at a minimum, the transportation system, including pedestrian ways and bikeways, the drainage system, the parks system, the water system, the sewer system, and the noise impacts of the development; and
  - (3) For each public facility system and type of impact, the study shall propose improvements necessary to meet city standards and to minimize the impact of the development on the public at large, public facilities systems, and affected private property users.

- D. Future Re-division Plan: When subdividing or partitioning tracts into large lots (i.e. greater than two times or two hundred (200) percent the minimum lot size allowed by the underlying zoning district), re-division plan showing:
1. Potential future lot division(s) addressing the housing and density standards of chapter 2 of Sutherlin Development Code;
  2. Potential street right-of-way alignments to serve future development of the property and connect to adjacent properties, including existing or planned rights-of-way; and
  3. A disclaimer that the re-division plan is a conceptual plan intended to show potential future development. It shall not be binding on the city or property owners, except as may be required through conditions of land division approval. For example, dedication and improvement of rights-of-way within the future plan area may be required to provide needed secondary access and circulation.

**THIS AREA LEFT BLANK INTENTIONALLY  
SIGNATURES NEXT PAGE**

## 5. SIGNATURES

I hereby apply for a Subdivision as requested on this form and certify that the attachments are complete and correct. (Any and all engineering cost incurred by the City of Sutherlin associated with this application shall be the responsibility of the applicant.) **Attach sheet if additional signatures are required.**

  
Applicant Signature \_\_\_\_\_ DATE 7/26/23  
Printed Name: Lucas Main  
OWNER ☒ AGENT \_\_\_\_\_ OPTION HOLDER \_\_\_\_\_ CONTRACT BUYER \_\_\_\_\_

\_\_\_\_\_  
Applicant Signature \_\_\_\_\_ DATE \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
OWNER \_\_\_\_\_ AGENT \_\_\_\_\_ OPTION HOLDER \_\_\_\_\_ CONTRACT BUYER \_\_\_\_\_

\_\_\_\_\_  
Applicant Signature \_\_\_\_\_ DATE \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
OWNER \_\_\_\_\_ AGENT \_\_\_\_\_ OPTION HOLDER \_\_\_\_\_ CONTRACT BUYER \_\_\_\_\_

\_\_\_\_\_  
Applicant Signature \_\_\_\_\_ DATE \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
OWNER \_\_\_\_\_ AGENT \_\_\_\_\_ OPTION HOLDER \_\_\_\_\_ CONTRACT BUYER \_\_\_\_\_

Any other owner or option holder or buyer who does not sign this application shall provide a signed statement providing their authorization for submission of the subdivision request.

## COMPLETENESS CHECK

The Community Development Director shall check an application for completeness as per Development Code, Section 4.2.160.E.3 The Community Development Director shall notify the applicant of any missing materials within 30 days of receiving the application. If the application was complete with first submitted or the applicant submits the requested additional information within one hundred, eighty (180) days of the date the application was first submitted, approval or denial of the application shall be based upon the standards and criteria that were applicable at the time the application was first submitted.

Submittal of payment for an application does not classify an application as complete. The Community Development Director will contact the applicant on the status of the application within the 30 days allowed to determine if the application is complete.

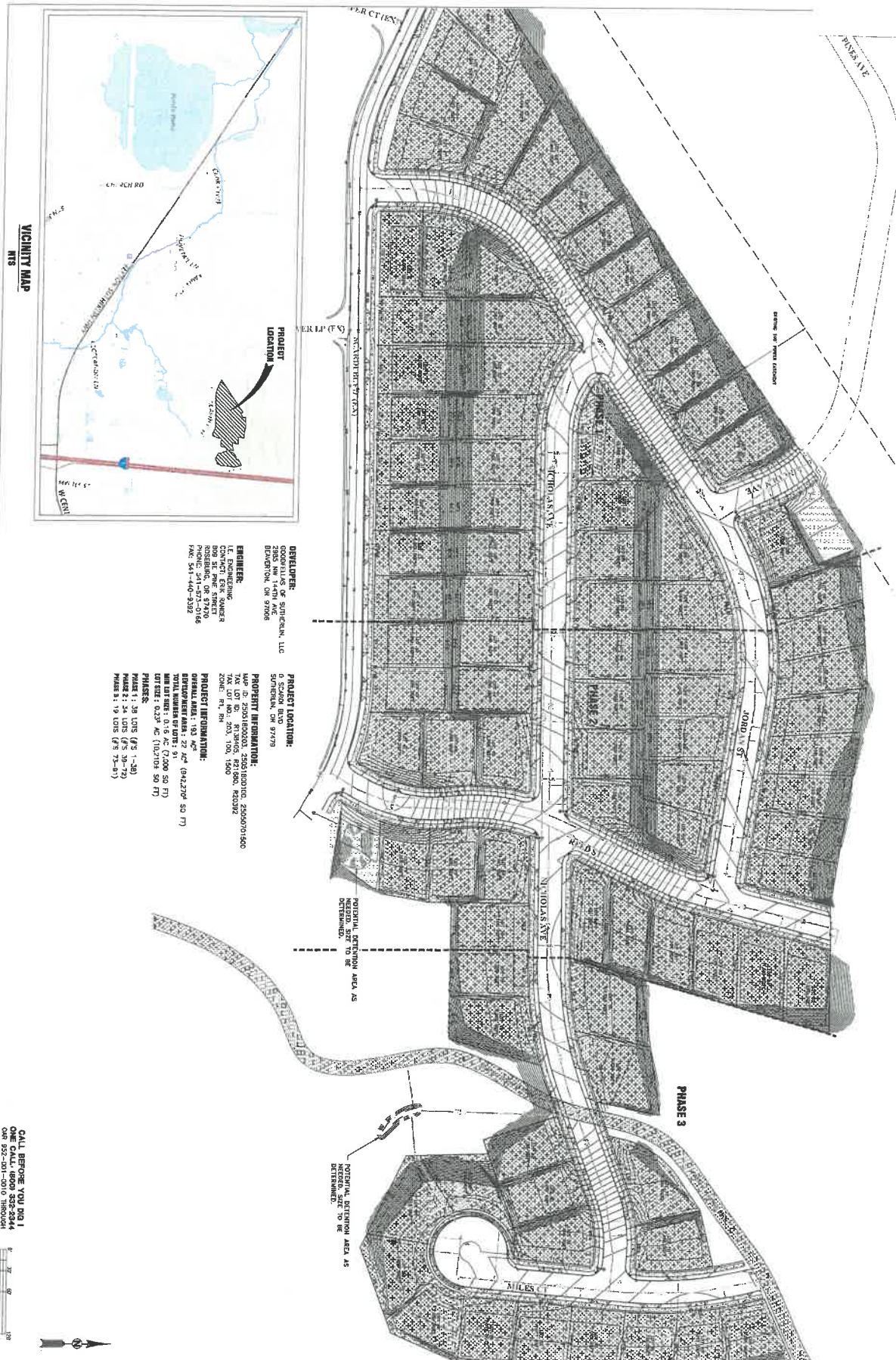
This application has been inspected by me and found to be sufficiently complete to initiate the review process.

Planner: JF

Fee Receipt No: 58798

Date: 8-8-2023

# RIDGEVIEW SUBDIVISION

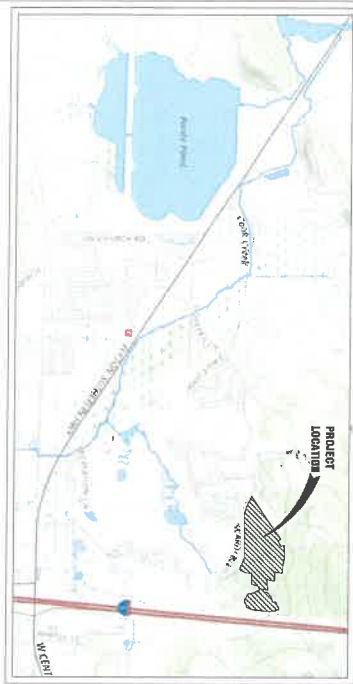


CALL BEFORE YOU DIG!  
ONE CALL. (800) 332-2344  
OAR 952-001-0010 THROUGH  
OAR 952-001-0090

RIDGEVIEW SUBDIVISION		Rev.	Date	Dwg.	Description
0524260100 SUPERVISOR OR STAFF  <b>OVERALL PLAN &amp; VICINITY</b> SCALE: AS SHOWN JULY 5, 2007 ISSUE: PRELIMINARY SET					
PROJECT NO: 3107-02 DRR: GMR CHK: GMR					



# RIDGEVIEW SUBDIVISION



**DEVELOPER:**  
GOODCELLS OF SUTHERLIN, LLC  
2895 NW 14TH AVE  
BEAVERTON, OR 97005

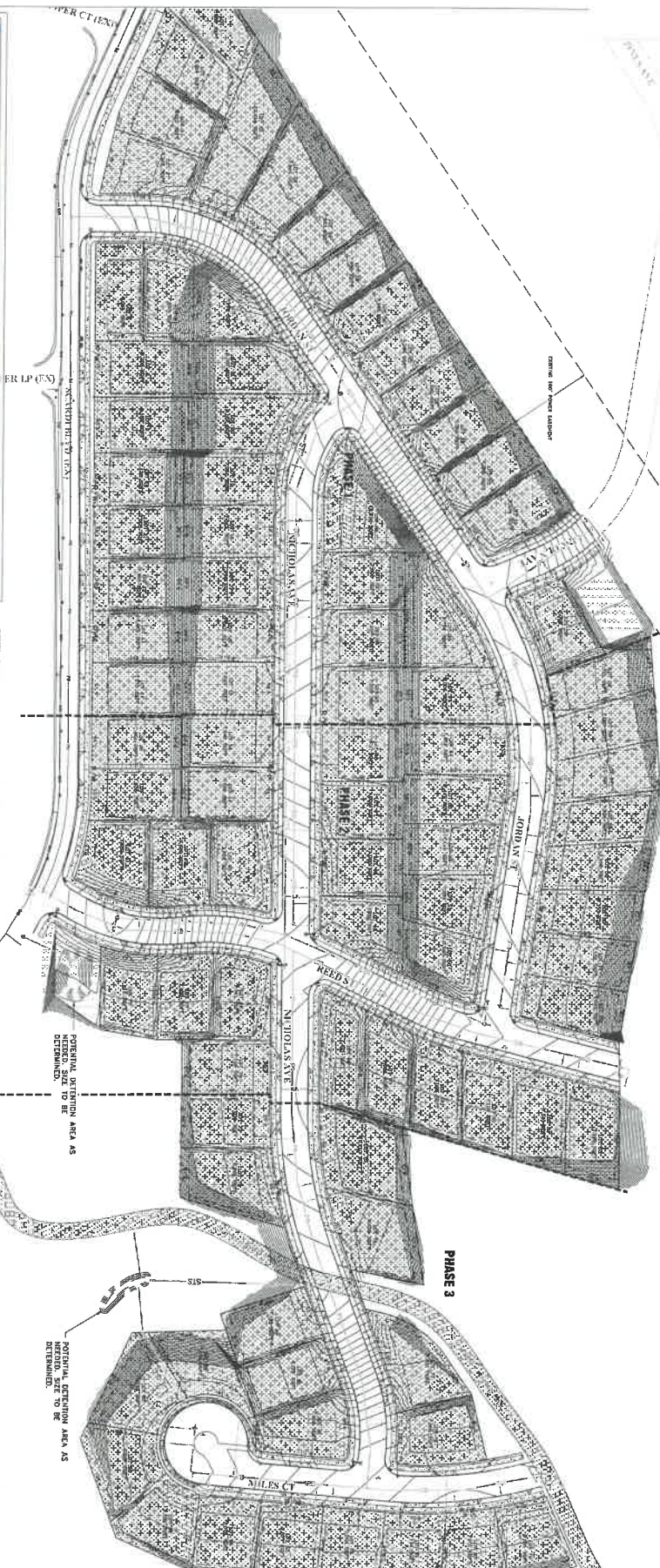
**ENGINEER:**  
H.C. ENGINEERING  
CONTACT: ERIC RANGER  
805 SE PINE STREET  
ROSEBURG, OR 97140  
PHONE: 541-673-0166  
FAX: 541-440-9392

**PROJECT LOCATION:**  
O SCARFI BLVD  
SUTHERLIN, OR 97479

**PROPERTY INFORMATION:**  
MAP ID: 250516052023, 25051605160, 25050701500  
TAX LOT 06, R1380405, R219804, R203982  
TAX LOT 08, 203, 100, 1500  
ZONE: R1, RH

**PROJECT INFORMATION:**  
DEVELOPER: 12 AC<sup>2</sup>  
TOTAL AREA: 12 AC<sup>2</sup> (942,270<sup>2</sup> SQ FT)  
ESTIMATED AREA: 22 AC<sup>2</sup>

TOTAL NUMBER OF LOTS: 91  
MIN LOT SIZE: 0.16 AC (7,000 SQ FT)  
LOT SIZE: 0.23<sup>3</sup> AC (10,210± SQ FT)  
PHASES:  
PHASE 1: 36 LOTS (#'S 1-36)  
PHASE 2: 34 LOTS (#'S 39-72)  
PHASE 3: 19 LOTS (#'S 73-91)



CALL BEFORE YOU DIG!  
ONE CALL (800) 332-2344  
OR 952-001-0010 THROUGH  
OR 952-001-0090



RIDGEVIEW SUBDIVISION

OVERALL PLAN & VICINITY  
SCALE AS SHOWN  
JULY 5, 2003  
ISSUE: PRELIMINARY SET

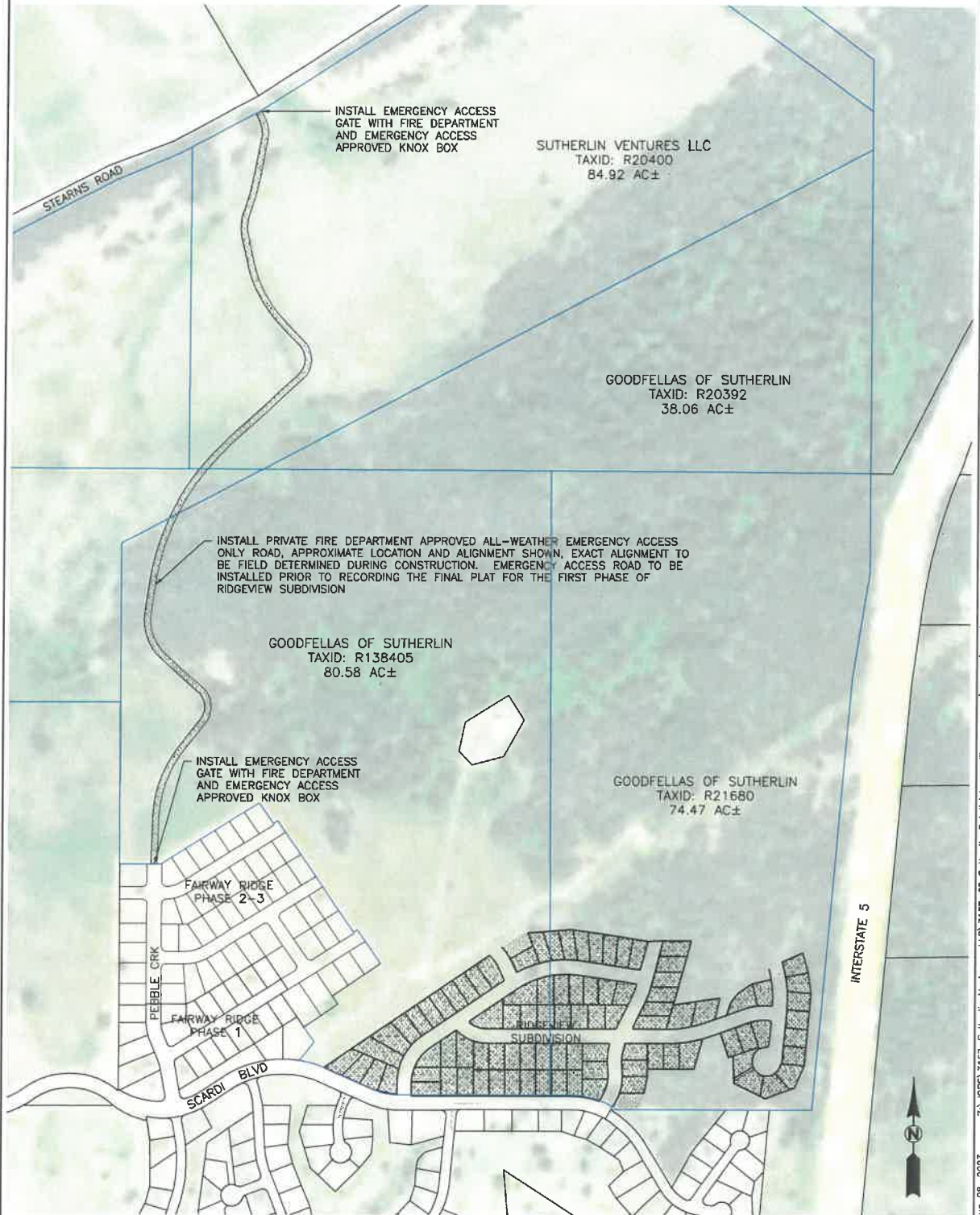
8167-02  
DIN AMV  
CHK EDR

Rev.	Date	Dwg	Description
------	------	-----	-------------

[illegible]

**ie**  
structural  
surveying  
architecture  
planning

# RIDGEVIEW SUBDIVISION PRELIMINARY EMS ACCESS EXHIBIT



0' 200' 400' 800'  
SCALE: 1:400

**ie**

809 SE Pine Street  
Roseburg, Oregon 97470  
PHONE (541) 673-0166  
FAX (541) 440-8392

PROJECT NO. 3167-02  
DWG BY: KLV

Z:\JOBS\3167-Sutherlin Ventures, LLC\3167-02 Sutherlin Subdivision - First 50-Lots\DESIGN\XREF\3167-01 EMS.dwg  
Aug 08, 2023  
kristiw





## MEMORANDUM

DATE: August 21, 2023

TO: Lewis Main Construction

FROM: Hailey Gilliland, Project Biologist

PROJECT NO: 75489.000

RE: Ridgeview Subdivision Wetland Delineation Memo

---

PBS Engineering and Environmental (PBS) was contracted by Lucas Main Construction to conduct a wetland delineation in preparation for a future residential subdivision. The 9.19-acre study area is located in Sutherlin, Oregon (Attachment A, Figure 1) and is identified as tax lot 100 (partial) on Douglas County Assessor map 25 5 18<sup>1</sup>. PBS' fieldwork and reporting was conducted by Hailey Gilliland, Wetland Scientist and Brian Beiger, Professional Wetland Scientist.

## METHODS

The field study was conducted on August 8, 2023. The method used for conducting the delineation followed the routine approach of the U.S. Army Corps of Engineers (USACE) *Wetlands Delineation Manual*<sup>2</sup> and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)*<sup>3</sup>. Soils, vegetation, and indicators of hydrology were recorded at two sample plot locations on standard wetland determination data forms (Attachment C). Wetland plant ratings were assigned based on the *2020 National Wetland Plant List*<sup>4</sup>. Plot locations were chosen to document areas of relatively low topography and changes in vegetation. No modification of the standard wetland boundary determination methodology was necessary during the delineation.

## LANDSCAPE SETTING

The study area lies in the Klamath Mountains – Umpqua Interior Foothills ecoregion. This ecoregion is characterized by foothills and narrow valleys containing fluvial terraces and floodplains<sup>5</sup>. According to the 2015 Oregon Department of Geology and Mineral Industries (DOGAMI) Oregon Lidar: Upper Umpqua, the study area elevations range from approximately 517 to 598 feet NAVD88<sup>6</sup>. Topography generally slopes south toward Scardi

---

<sup>1</sup> ORMAP. 2023. The Oregon Map tax map database and viewer. Available online at <http://www.ormap.net>. Accessed August 21, 2023.

<sup>2</sup> Environmental Laboratory. 1987. *Corps of Engineers Wetlands Delineation Manual*. Technical Report Y-87-1. U.S. Department of the Army, Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi.

<sup>3</sup> U.S. Army Corps of Engineers. 2010. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Western Mountains, Valleys, and Coast Region (Version 2.0)*. ed. J.S. Wakeley, R.W. Lichvar, and C.V. Noble. ERDC/EL TR-10-3. Vicksburg, MS. U.S. Army Corps of Engineer Research and Development Center.

<sup>4</sup> U.S. Army Corps of Engineers. 2020. National Wetland Plant List, version 3.5. U.S. Army Corps of Engineers. Engineer Research and Development Center. Cold Regions Research and Engineering Laboratory, Hanover, NH. Available online at <http://wetland-plants.usace.army.mil>. Accessed August 21, 2023

<sup>5</sup> USGS. 2023. Ecoregions of Western Washington and Oregon. Map. 1:1,350,000. Washington, D.C.: Department of the Interior. Available online at: <https://www.epa.gov/eco-research/ecoregion-download-files-state-region-10#pane-35>. Accessed August 21, 2023.

<sup>6</sup> DOGAMI. 2015. Oregon Department of Geology and Mineral Industries (DOGAMI) Oregon Lidar: Upper Umpqua. Salem, Oregon.



Boulevard. Intermittent streams exist in the central and eastern portions of the study area running north to south. The study area is currently vacant and generally lacks land use activities. Construction for a multifamily residential development is underway immediately west of the study area on tax lot 203, Scardi Blvd borders the site to the south, and rural undeveloped lands board to the north and west.

### **DEVIATION FROM SWI**

The Statewide Wetlands Inventory<sup>7</sup> depicts the National Wetlands Inventory (NWI)<sup>8</sup> and National Hydrology Dataset (NHD)<sup>9</sup> mapping (Attachment A, Figure 2). The SWI shows an NWI polygon in the eastern portion of the study area representing an intermittent stream. This polygon was not confirmed in the field, but likely corresponds to Intermittent Stream 2 found in the eastern portion of the study area. The NHD maps two intermittent streams in the study area. These two streams were confirmed, and the boundaries generally correspond with the streams identified in the field.

### **DESCRIPTION OF ALL WETLANDS / WATERS**

One wetland and two intermittent streams were identified in the study area (Attachment A, Figure 3).

#### **Wetland A**

Wetland A (0.04 ac.) was identified in the central portion of the study area in close proximity to Intermittent Stream 1. The wetland is located within a sloping depression that drains to the south. The upland edge of the wetland generally sits approximately 6 inches higher than the wetland boundary. Soils within the wetland exhibited hydric soil indicators. In terms of plant communities, the wetland was dominated by pennyroyal (*Mentha pulegium*, OBL) lesser poverty rush (*Juncus tenuis*, FAC), and seep monkey flower (*Mimulus guttatus*, OBL). This wetland is apparently supported by direct precipitation, overland and subsurface water movement. Indicators of flooding from Intermittent Stream 1 were not identified in the field. The Cowardin classification<sup>10</sup> of Wetland A is palustrine, emergent, persistent, seasonally saturated and the hydrogeomorphic classification<sup>11</sup> is slope.

#### **Intermittent Stream 1**

Intermittent Stream 1 (0.02 ac) flows south through the study area (Attachment A, Figure 3). The OHWM/L on this creek is clearly visible owing to its stream banks. The Cowardin classification<sup>10</sup> of the creek is riverine, intermittent, unconsolidated bottom, semi-permanently flooded, and the hydrogeomorphic classification<sup>11</sup> is riverine flow-through. OHWM/L Indicators observed in the field included: rapid changes in elevation, changes in vegetation patterns, erosion and deposition patterns, wracking, and scour lines.

The stream originates in the northern portion of the study area. The stream appears to originate at a topographic high point where precipitation and overland flow are sufficient enough that an identifiable channel is created. No OHWM/L was observed upstream of the mapped stream.

---

<sup>7</sup> DSL. 2023. Statewide Wetlands Inventory. Available online at <https://maps.dsl.state.or.us/swi/>. Accessed August 21, 2023.

<sup>8</sup> USFWS. 2023. U.S. Fish and Wildlife Service. Publication date 1977 to present. National Wetlands Inventory website. U.S. Department of the Interior, Fish and Wildlife Service, Washington, D.C. Available at <https://www.fws.gov/wetlands/data/Mapper.html>. Accessed August 21, 2023.

<sup>9</sup> USGS. 2023b. National Hydrology Dataset. Washington, D.C.: Department of the Interior. Accessed August 21, 2023.

<sup>10</sup> Cowardin, L. M., C. Carter, F. C. Golet, and E. T. LaRoe. 1979. Classification of wetlands and deepwater habitats of the United States. FWS/OBS-78/31. U.S. Department of the Interior, Fish and Wildlife Service, Office of Biological Services, Washington, D.C.

<sup>11</sup> Adamus, P.R. and D. Field. 2001. Guidebook for Hydrogeomorphic (HGM)-based Assess. of Oregon Wetland and Riparian Sites. I. Willamette Valley Ecoregion, Riverine Impounding and Slope/Flats Subclasses. Vol. IA: Assess. Methods. Oregon Div. of State Lands, Salem, OR.

### **Intermittent Stream 2**

Intermittent Stream 2 (0.03 ac) flows south through the study area (Attachment A, Figure 3). The OHWM/L on this creek is clearly visible owing to its near vertical stream banks. The Cowardin classification<sup>10</sup> of the creek is riverine, intermittent, unconsolidated bottom, semi-permanently flooded, and the hydrogeomorphic classification<sup>11</sup> is riverine flow-through. OHWM/L Indicators observed in the field included: rapid changes in elevation, changes in vegetation patterns, erosion and deposition patterns, wracking, and scour lines. Intermittent stream 2 originates offsite to the north. In general, the stream banks are more defined than Intermittent Stream 1.

Attachment A: *Figures*

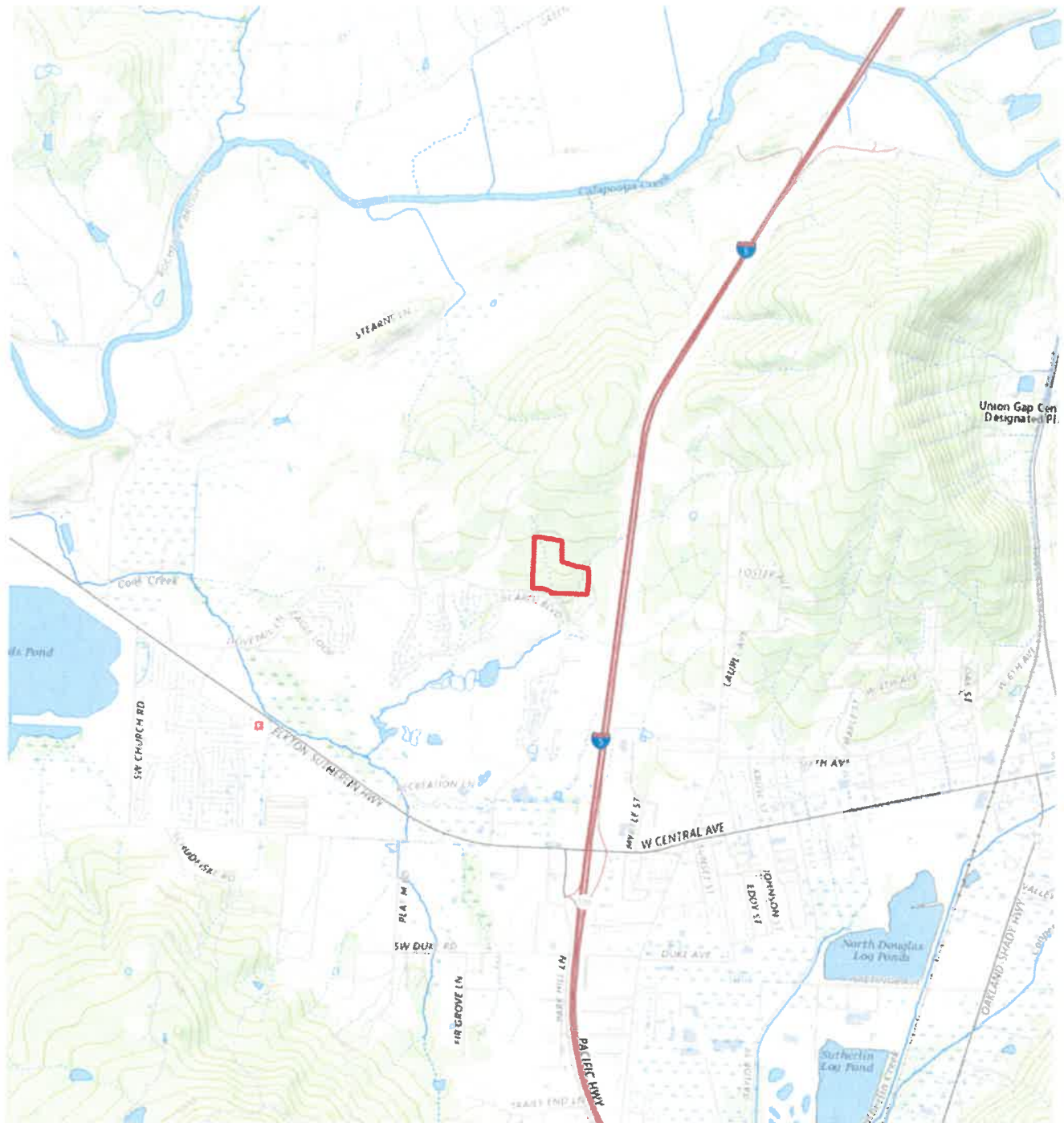
Attachment B: *Ground Level Photographs*

Attachment C: *Wetland Determination Data Forms*

## **ATTACHMENT A**

---

### **Figures**



SOURCE: ESRI USGS BASEMAP (2023).

### Legend

Study Area, 9.19 ac.



SCALE: 1" = 2,000'



PREPARED FOR: LUCAS MAIN CONSTRUCTION.



## LOCATION MAP

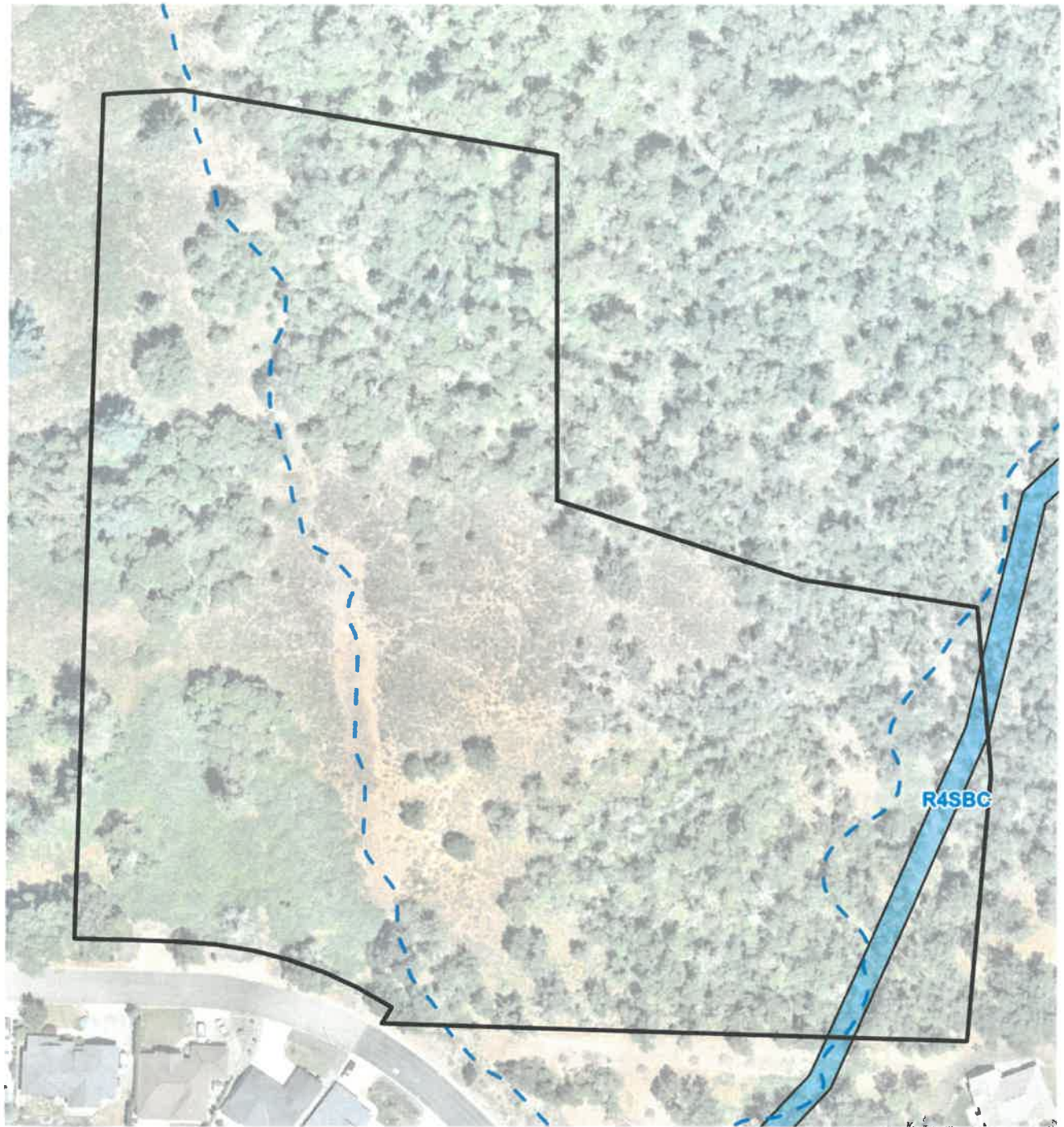
RIDGEVIEW SUBDIVISION WETLAND DELINEATION  
SUTHERLIN, DOUGLAS COUNTY, OREGON

AUG 2023  
75489.000

FIGURE

1





SOURCE: USFWS (2023), USGS (2020).

### Legend

- NHD Intermittent Stream
- NWI Polygons
- Study Area, 9.19 ac.

### NWI Mapping Within Study Area

R4SBC - Riverine, intermittent, streambed, seasonally flooded



SCALE: 1" = 120'



PREPARED FOR: LUCAS MAIN CONSTRUCTION.



## STATEWIDE WETLANDS INVENTORY MAP

RIDGEVIEW SUBDIVISION WETLAND DELINEATION  
SUTHERLIN, DOUGLAS COUNTY, OREGON

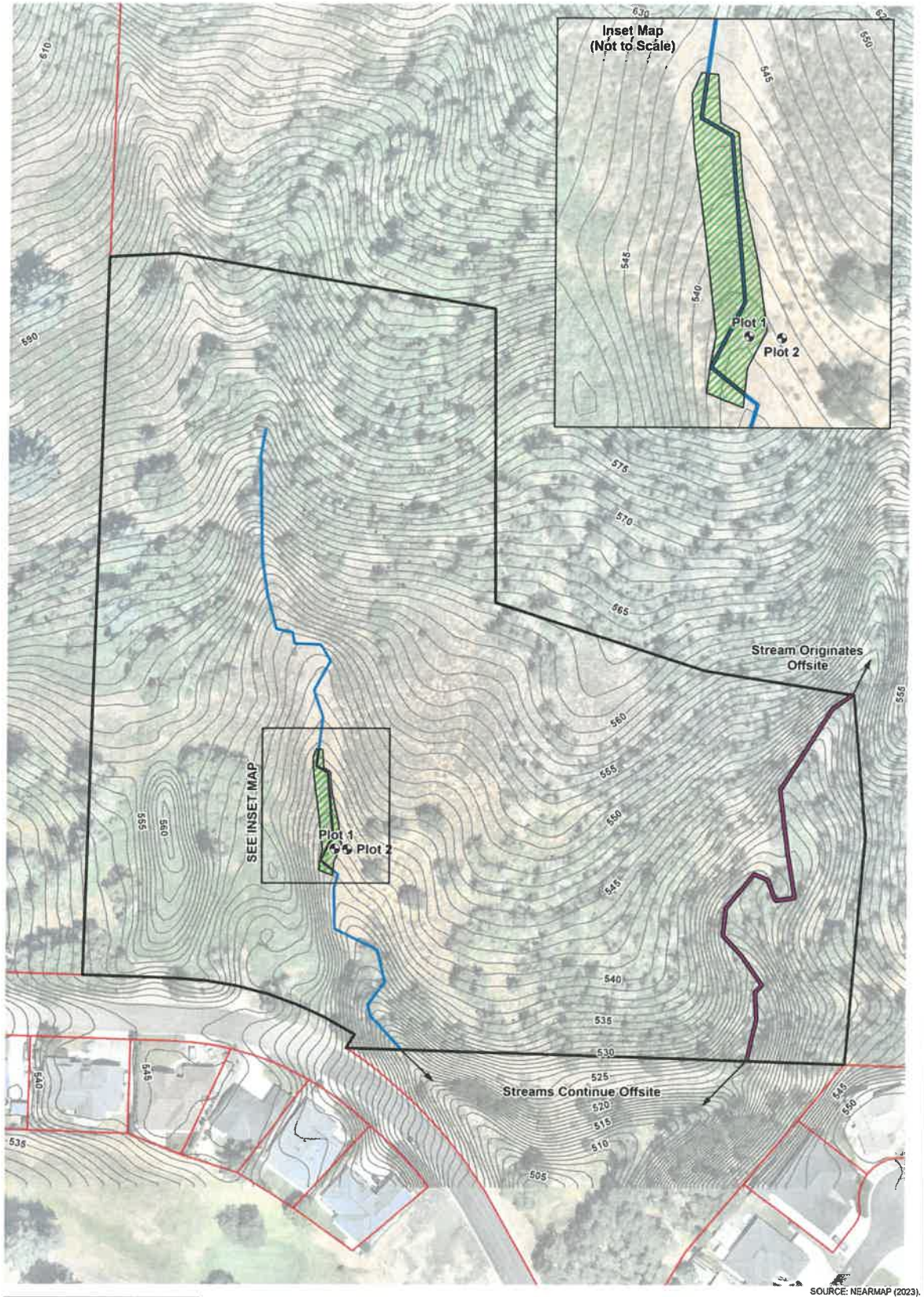
AUG 2023  
75489.000

FIGURE

**2**

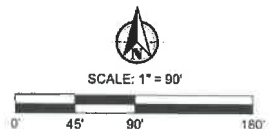


Filename: L:\Projects\7500075400-7540975409\Maping\APR\06\Wetland\Wetland\_Delineation.aprx Plot Date/Time: 8/2/2023 2:38 PM



Legend	
	Plots
	Study Area, 9.19 ac.
	Wetland A, 0.04 ac.
	Intermittent Stream 1, 0.02 ac.
	Intermittent Stream 2, 0.03 ac.
	Tax Lots

Sample plots, wetland boundaries, and photo points were mapped using a Trimble D12 handheld GPS unit. All features collected achieved submeter accuracy after post-processing. Study area boundaries based on tax lot boundaries and aerial photo interpretation (+/- 1 m est. accuracy).



PREPARED FOR: LUCAS MAIN CONSTRUCTION.



## WETLAND DELINEATION MAP

RIDGEVIEW SUBDIVISION WETLAND DELINEATION  
SUTHERLIN, DOUGLAS COUNTY, OREGON

AUG 2023  
75489.000  
FIGURE  
**3**

## **ATTACHMENT B**

---

### **Ground Level Photographs**





Photo 1. Typical stream characteristics of Intermittent Stream 1.



Photo 2. Large swale where Intermittent Stream 1 is located.



Photo 3. Wetland A is located in the foreground and the upland boundary is in the background.



Photo 4. Typical characteristics of the northern portion of Intermittent Stream 2.



Photo 5. Typical characteristics of the southern portion of Intermittent Stream 2.



Photo 6. Typical upland vegetation consists of oak trees and scotch broom.

## **ATTACHMENT C**

---

### **Wetland Determination Data Forms**

# WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys and Coast Region

Project/Site: Ridgeview Subdivision Wetland Delineation City/County: Sutherlin / Douglas Sampling Date: 8/8/2023  
 Applicant/Owner: Lucas Main Construction State: Oregon Sampling Point: Plot 1  
 Investigator(s): H. Gilliland, B. Bieger Section, Township, Range: Sec. 18, T. 25S, R. 5W  
 Landform (hillslope, terrace, etc.): Swale Local relief (concave, convex, none): Concave Slope (%): 6  
 Subregion (LRR): LRR A - Northwest Forests and Coast Lat: 43.396414 Long: -123.340278 Datum: WGS84  
 Soil Map Unit Name: Nonpareil-Oakland complex, 3 to 12 percent slopes NWI Classification: None  
 Are climatic/hydrologic conditions of the site typical for this time of the year? Yes X No      (If no, explain in remarks)  
 Are vegetation     , Soil     , or Hydrology      significantly disturbed? Are "Normal Circumstances" present? (If needed, explain any answers in remarks) Yes X No       
 Are vegetation     , Soil     , or Hydrology      naturally problematic? Yes X No     

## SUMMARY OF FINDINGS - Attach site map showing sampling point location, transects, important features, etc.

Hydrophytic vegetation present?	Yes <u>X</u>	No <u>    </u>	<b>Is the sampled area within a wetland?</b>
Hydric soil present?	Yes <u>X</u>	No <u>    </u>	
Indicators of wetland hydrology present?	Yes <u>X</u>	No <u>    </u>	

Yes X No     

Remarks:

## VEGETATION -- Use scientific names of plants.

Tree Stratum	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet
(Plot size: <u>30' r</u> )				
1. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	Number of Dominant Species that are OBL, FACW, or FAC: <u>3</u> (A)
2. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	Total Number of Dominant Species Across all Strata: <u>3</u> (B)
3. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	Percent of Dominant Species that are OBL, FACW, or FAC: <u>100%</u> (A/B)
4. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
	<u>0</u>	= Total Cover		
<b>Sapling/Shrub Stratum</b> (Plot size: <u>30' r</u> )				
1. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<b>Prevalence Index Worksheet</b> Total % Cover of: <u>    </u> Multiply by: <u>    </u> OBL species <u>55</u> x 1 = <u>55</u> FACW species <u>0</u> x 2 = <u>0</u> FAC species <u>30</u> x 3 = <u>90</u> FACU species <u>15</u> x 4 = <u>60</u> UPL species <u>0</u> x 5 = <u>0</u> Column totals <u>100</u> (A) <u>205</u> (B) Prevalence Index = B/A = <u>2.05</u>
2. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
3. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
4. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
5. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
	<u>0</u>	= Total Cover		
<b>Herb Stratum</b> (Plot size: <u>5' r</u> )				
1. <u>Mentha pulegium</u>	<u>35</u>	<u>Y</u>	<u>OBL</u>	<b>Hydrophytic Vegetation Indicators:</b> <u>1</u> - Rapid Test for Hydrophytic Vegetation <u>X</u> <u>2</u> - Dominance Test is >50% <u>3</u> - Prevalence Index is ≤3.0 <u>4</u> - Morphological Adaptations* (Provide supporting data in Remarks or on a separate sheet) <u>5</u> - Wetland Non-Vascular Plants <sup>1</sup> Problematic Hydrophytic Vegetation <sup>1</sup> (Explain) <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic
2. <u>Juncus tenuis</u>	<u>30</u>	<u>Y</u>	<u>FAC</u>	
3. <u>Mimulus guttatus</u>	<u>20</u>	<u>Y</u>	<u>OBL</u>	
4. <u>Anthoxanthum odoratum</u>	<u>15</u>	<u>N</u>	<u>FACU</u>	
5. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
6. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
7. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
8. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
9. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
10. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
11. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
	<u>100</u>	= Total Cover		
<b>Woody Vine Stratum</b> (Plot size: <u>30' r</u> )				
1. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<b>Hydrophytic vegetation present?</b> Yes <u>X</u> No <u>    </u>
2. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	
	<u>0</u>	= Total Cover		
% Bare Ground in Herb Stratum <u>0</u>				

Remarks:

**Sampling Point:** Plot 1

HYDROLOGY			
<b>Wetland Hydrology Indicators</b>			
<u>Primary Indicators (minimum of one is required; check all that apply)</u>		<u>Secondary Indicators (2 or more required)</u>	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Water-Stained Leaves (B9) ( <b>MLRA 1, 2, 4A, and 4B</b> )	
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)	
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)	
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input checked="" type="checkbox"/> Geomorphic Position (D2)	
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)	
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input checked="" type="checkbox"/> FAC-Neutral Test (D5)	
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Stunted or Stressed Plants (D1) ( <b>LRR A</b> )	<input type="checkbox"/> Raised Ant Mounds (D6) ( <b>LRR A</b> )	
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost Heave Hummocks (D7)	
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)			
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)			
<b>Field Observations:</b>		<b>Wetland Hydrology Present?</b>	
Surface Water Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches):	<input type="checkbox"/>
Water Table Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches):	<input type="checkbox"/> >8
Saturation Present?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Depth (inches):	<input type="checkbox"/> >8
(includes capillary fringe)		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Aerial photograph			
Remarks:			

# WETLAND DETERMINATION DATA FORM - Western Mountains, Valleys and Coast Region

Project/Site: Ridgeview Subdivision Wetland Delineation City/County: Sutherlin / Douglas Sampling Date: 8/8/2023  
 Applicant/Owner: Lucas Main Construction State: Oregon Sampling Point: Plot 2  
 Investigator(s): H. Gilliland, B. Bieger Section, Township, Range: Sec. 18, T. 25S, R. 5W  
 Landform (hillslope, terrace, etc.): Terrace Local relief (concave, convex, none): Concave Slope (%): 6  
 Subregion (LRR): LRR A - Northwest Forests and Coast Lat: 43.396414 Long: -123.340234 Datum: WGS84  
 Soil Map Unit Name: Nonpareil-Oakland complex, 3 to 12 percent slopes NWI Classification: None  
 Are climatic/hydrologic conditions of the site typical for this time of the year? Yes X No      (If no, explain in remarks)  
 Are vegetation     , Soil     , or Hydrology      significantly disturbed? Are "Normal Circumstances" present? (If needed, explain any answers in remarks) Yes X No       
 Are vegetation     , Soil     , or Hydrology      naturally problematic? Yes X No     

## SUMMARY OF FINDINGS - Attach site map showing sampling point location, transects, important features, etc.

Hydrophytic vegetation present?	Yes <u>    </u>	No <u>X</u>	Is the sampled area within a wetland?
Hydric soil present?	Yes <u>    </u>	No <u>X</u>	
Indicators of wetland hydrology present?	Yes <u>    </u>	No <u>X</u>	
			Yes <u>    </u> No <u>X</u>

Remarks: Plot 2 sits 1 foot higher in elevation than Plot 1.

## VEGETATION -- Use scientific names of plants.

Tree Stratum (Plot size: <u>30' r</u> )	Absolute % Cover	Dominant Species	Indicator Status	Dominance Test Worksheet	
1. <u>Quercus garryana</u>	<u>5</u>	<u>Y</u>	<u>FACU</u>	Number of Dominant Species that are OBL, FACW, or FAC:	<u>0</u> (A)
2. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	Total Number of Dominant Species Across all Strata:	<u>4</u> (B)
3. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	Percent of Dominant Species that are OBL, FACW, or FAC:	<u>0%</u> (A/B)
4. <u>    </u>	<u>5</u>	<u>    </u>	<u>    </u>		
			<u>5</u> = Total Cover		
Sapling/Shrub Stratum (Plot size: <u>30' r</u> )	Absolute % Cover	Dominant Species	Indicator Status	Prevalence Index Worksheet	
1. <u>Cytisus scoparius</u>	<u>45</u>	<u>Y</u>	<u>UPL</u>	Total % Cover of:	Multiply by:
2. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	OBL species <u>0</u> x 1 =	<u>0</u>
3. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	FACW species <u>0</u> x 2 =	<u>0</u>
4. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	FAC species <u>0</u> x 3 =	<u>0</u>
5. <u>    </u>	<u>45</u>	<u>    </u>	<u>    </u>	FACU species <u>15</u> x 4 =	<u>60</u>
			<u>45</u> = Total Cover	UPL species <u>135</u> x 5 =	<u>675</u>
				Column totals <u>150</u> (A)	<u>735</u> (B)
				Prevalence Index = B/A = <u>4.90</u>	
Herb Stratum (Plot size: <u>5' r</u> )	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic Vegetation Indicators:	
1. <u>Bromus japonicus</u>	<u>60</u>	<u>Y</u>	<u>UPL</u>	1 - Rapid Test for Hydrophytic Vegetation	
2. <u>Taeniatherum caput-medusae</u>	<u>30</u>	<u>Y</u>	<u>UPL</u>	2 - Dominance Test is >50%	
3. <u>Centaurea jacea</u>	<u>10</u>	<u>N</u>	<u>FACU</u>	3 - Prevalence Index is ≤3.0	
4. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	4 - Morphological Adaptations* (Provide supporting data in Remarks or on a separate sheet)	
5. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	5 - Wetland Non-Vascular Plants <sup>1</sup>	
6. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	Problematic Hydrophytic Vegetation <sup>1</sup>	
7. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	(Explain)	
8. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	<sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic	
9. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>		
10. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>		
11. <u>    </u>	<u>100</u>	<u>    </u>	<u>    </u>		
			<u>100</u> = Total Cover		
Woody Vine Stratum (Plot size: <u>30' r</u> )	Absolute % Cover	Dominant Species	Indicator Status	Hydrophytic vegetation present?	
1. <u>    </u>	<u>    </u>	<u>    </u>	<u>    </u>	Yes <u>    </u>	No <u>X</u>
2. <u>    </u>	<u>0</u>	<u>    </u>	<u>    </u>		
			<u>0</u> = Total Cover		
			% Bare Ground in Herb Stratum <u>0</u>		

Remarks:



## SOIL

Sampling Point: Plot 2

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)								
Depth (Inches)	Matrix		Redox Features				Texture	Remarks
	Color (moist)	%	Color (moist)	%	Type <sup>1</sup>	Loc <sup>2</sup>		
0-10	7.5YR 3/3	100					cl	
10-13	10YR 4/4	100					cl	

<sup>1</sup>Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.      <sup>2</sup>Location: PL=Pore Lining, M=Matrix.

Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)		Indicators for Problematic Hydric Soils <sup>3</sup> :
<input type="checkbox"/> Histosol (A1)	<input type="checkbox"/> Sandy Redox (S5)	<input type="checkbox"/> 2 cm Muck (A10)
<input type="checkbox"/> Histic Epipedon (A2)	<input type="checkbox"/> Stripped Matrix (S6)	<input type="checkbox"/> Red Parent Material (TF2)
<input type="checkbox"/> Black Histic (A3)	<input type="checkbox"/> Loamy Mucky Mineral (F1) (Except MRLA 1)	<input type="checkbox"/> Very Shallow Dark Surface (TF12)
<input type="checkbox"/> Hydrogen Sulfide (A4)	<input type="checkbox"/> Loamy Gleyed Matrix (F2)	<input type="checkbox"/> Other (Explain in Remarks)
<input type="checkbox"/> Depleted Below Dark Surface (A11)	<input type="checkbox"/> Depleted Matrix (F3)	
<input type="checkbox"/> Thick Dark Surface (A12)	<input type="checkbox"/> Redox Dark Surface (F6)	
<input type="checkbox"/> Sandy Mucky Mineral (S1)	<input type="checkbox"/> Depleted Dark Surface (F7)	
<input type="checkbox"/> Sandy Gleyed Matrix (S4)	<input type="checkbox"/> Redox Depressions (F8)	

<sup>3</sup>Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

<b>Restrictive Layer (if present):</b> Type: _____ Depth (inches): _____	<b>Hydric Soil Present?</b> Yes _____    No <u>  X  </u>
Remarks:	

## HYDROLOGY

Wetland Hydrology Indicators		
Primary Indicators (minimum of one is required; check all that apply)	Secondary Indicators (2 or more required)	
<input type="checkbox"/> Surface Water (A1)	<input type="checkbox"/> Water-Stained Leaves (B9)	<input type="checkbox"/> Water-Stained Leaves (B9) (MLRA 1, 2, 4A, and 4B)
<input type="checkbox"/> High Water Table (A2)	<input type="checkbox"/> (except MLRA 1, 2, 4A, and 4B)	
<input type="checkbox"/> Saturation (A3)	<input type="checkbox"/> Salt Crust (B11)	<input type="checkbox"/> Drainage Patterns (B10)
<input type="checkbox"/> Water Marks (B1)	<input type="checkbox"/> Aquatic Invertebrates (B13)	<input type="checkbox"/> Dry-Season Water Table (C2)
<input type="checkbox"/> Sediment Deposits (B2)	<input type="checkbox"/> Hydrogen Sulfide Odor (C1)	<input type="checkbox"/> Saturation Visible on Aerial Imagery (C9)
<input type="checkbox"/> Drift Deposits (B3)	<input type="checkbox"/> Oxidized Rhizospheres on Living Roots (C3)	<input type="checkbox"/> Geomorphic Position (D2)
<input type="checkbox"/> Algal Mat or Crust (B4)	<input type="checkbox"/> Presence of Reduced Iron (C4)	<input type="checkbox"/> Shallow Aquitard (D3)
<input type="checkbox"/> Iron Deposits (B5)	<input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6)	<input type="checkbox"/> FAC-Neutral Test (D5)
<input type="checkbox"/> Surface Soil Cracks (B6)	<input type="checkbox"/> Stunted or Stressed Plants (D1) (LRR A)	<input type="checkbox"/> Raised Ant Mounds (D6) (LRR A)
<input type="checkbox"/> Inundation Visible on Aerial Imagery (B7)	<input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Frost Heave Hummocks (D7)
<input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)		

<b>Field Observations:</b> Surface Water Present?    Yes _____    No <u>  X  </u> Depth (inches): _____ Water Table Present?    Yes _____    No <u>  X  </u> Depth (inches): <u>  &gt;13  </u> Saturation Present?    Yes _____    No <u>  X  </u> Depth (inches): <u>  &gt;13  </u> (includes capillary fringe)	<b>Wetland Hydrology Present?</b> Yes _____    No <u>  X  </u>
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available: Aerial photograph	
Remarks:	



# TRAFFIC IMPACT ANALYSIS

## RIDGEVIEW SUBDIVISION

SUTHERLIN, OREGON

September 19, 2023

160 Madison Street, Suite A  
Eugene, Oregon 97402  
541.513.3376

**SANDOW**  
ENGINEERING

# Transportation Impact Analysis

## Ridgeview Subdivision



Sutherlin, Oregon

September 19, 2023

Kelly Sandow PE

**SANDOW  
ENGINEERING**  
160 Madison Street, Suite A  
Eugene Oregon 97402  
541.513.3376  
sandowengineering.com  
project # 6046

## EXECUTIVE SUMMARY

This report provides the Traffic Impact Analysis and findings prepared for the proposed Ridgeview Subdivision located in Sutherlin, Oregon. The proposal is for a 91-lot subdivision to be constructed with single-family homes.

The analysis evaluates the transportation impacts as per the City of Sutherlin and ODOT criteria, evaluating adjacent roadway and intersection operation with the addition of development traffic for the year of completion and a 5-year future analysis.

The following report recommendations are based on the information and analysis documented in this report.

## FINDINGS

- All studied intersections operate within the mobility standards with and without the development traffic.
- The addition of development traffic does not substantially increase queuing conditions.
- The project will include the construction of an emergency access road from the northern terminus of Pebble Creek Street north to Stearns Lane. The emergency access road is sufficient for the anticipated need.
- The previous findings for the Plan Amendment and Zone change associated with this property identified several transportation improvements; see Attachment A in Appendix B. The following are findings relevant to the transportation improvements warranted for this phase of development.

- 1) This project is described as “install a traffic signal and eastbound right-turn lane on OR 138W”. It is assumed that the turn pocket and traffic signal are to be placed at OR 138 and Park Hill Intersection.

The v/c meets the standard of 0.95, and the queuing does not exceed the available storage of 200 feet for the northbound left turn and 350 feet for the westbound left turn. There are no operational issues that would trigger mitigation for this phase of development.

Signal warrant analysis was performed for this intersection using ODOT’s Preliminary Traffic Signal Warrant. The traffic volumes for the major approaches (Highway 138) and minor approach (Park Hill) do not meet the warrant volumes for either Case A or Case B. Therefore, a traffic signal at this location is not warranted.

The right turn pocket meets the traffic volume criterion. However, there is insufficient ROW to construct a full right turn pocket, given the location of the

power poles along the southern edge of the roadway. A right turn pocket is not recommended at this time.

- 2) This improvement is the installation of a westbound right turn lane on OW 138 at Dovetail Lane. This improvement has been completed. There is a separated right turn pocket with approximately 95 feet of storage and 180 feet of taper. The queuing analysis estimates no more than a 25-foot queue for the right turn pocket. There is no additional right turn pocket or taper length needed for this right turn.
- 3) This improvement is the installation of a median on OR 138 at Dovetail Lane to restrict the access to right-in/right-out only and install a new east-west Collector Street connection from Dovetail Lane to Stearns Lane.

During the AM peak hour in the year 2030, with this phase of development completed, the v/c is 0.18 and LOS is B. During the PM peak hour in the year 2030, with this phase of development completed, the v/c is 0.22 and LOS is C. The operation of the intersection does not trigger the restriction of Dovetail to right-in/right-out at this time.

The creation of a new east-west Collector Street connection from Dovetail Lane to Stearns Lane would require construction on property not owned by this applicant, as there is no right-of-way available for this connection. This connection is not feasible at this time.

- 4) This improvement is the installation of Exit 136 southbound exit ramp in the northwest quadrant of the interchange and the installation of a traffic signal or roundabout at OR138W/Dakota Street.

The installation of Exit 136 southbound exit ramp is a substantial improvement project that far extends the impact of this project on the interchange. This improvement is not necessary for the interchange area to meet the v/c standards with the completion of this phase of development.

A signal warrant analysis was performed for the OR138W/Dakota Street intersection using ODOT's Preliminary Traffic Signal Warrant. The traffic volumes for the major approaches (Highway 138) and minor approach (Dakota St) do not meet the warrant volumes for Case A, but does meet the warrant volumes for Case B. The intersection operates within the v/c standard with this phase of the development in place. Therefore, mitigation by this phase of development does not trigger improvements at this intersection. A traffic signal is not recommended at this time.

# CONTENTS

<b>1.0 BACKGROUND.....</b>	<b>5</b>
1.1 SITE INFORMATION .....	5
1.2 ANALYSIS SCOPE.....	5
FIGURE 1- VICINITY MAP AND SITE LOCATION .....	6
<b>2.0 EXISTING ROADWAY CONDITIONS.....</b>	<b>7</b>
2.1 STREET NETWORK .....	7
TABLE 1: ROADWAY CHARACTERISTICS WITHIN STUDY AREA .....	7
FIGURE 2- INTERSECTION CONTROL AND LANE CONFIGURATION .....	8
<b>3.0 CRASH ANALYSIS.....</b>	<b>9</b>
TABLE 2: INTERSECTION CRASH PATTERNS .....	9
TABLE 3: INTERSECTION CRASH PATTERNS .....	9
<b>4.0 DEVELOPMENT TRIP GENERATION AND DISTRIBUTION .....</b>	<b>10</b>
TABLE 4: TRIP GENERATION .....	10
FIGURE 3- AM PEAK HOUR DEVELOPMENT TRIPS .....	11
FIGURE 4 –PM PEAK HOUR DEVELOPMENT TRIPS.....	12
<b>5.0 BACKGROUND TRAFFIC VOLUMES .....</b>	<b>13</b>
5.1 INTERSECTION COUNTS .....	13
5.2 SEASONAL ADJUSTMENT .....	13
5.3 FUTURE YEAR BACKGROUND VOLUMES.....	13
5.4 FINAL TRAFFIC VOLUMES .....	13
FIGURE 5 –YEAR 2023 AM PEAK HOUR BACKGROUND TRAFFIC VOLUMES .....	15
FIGURE 6 –YEAR 2023 PM PEAK HOUR BACKGROUND TRAFFIC VOLUMES .....	16
FIGURE 7 –YEAR 2025 AM PEAK HOUR BACKGROUND TRAFFIC VOLUMES .....	17
FIGURE 8 –YEAR 2025 PM PEAK HOUR BACKGROUND TRAFFIC VOLUMES .....	18
FIGURE 9 –YEAR 2030 AM PEAK HOUR BACKGROUND TRAFFIC VOLUMES .....	19
FIGURE 10 –YEAR 2030 PM PEAK HOUR BACKGROUND TRAFFIC VOLUMES .....	20
FIGURE 11 – YEAR 2025 AM PEAK HOUR TRAFFIC VOLUMES WITH DEVELOPMENT .....	21
FIGURE 12 – YEAR 2025 PM PEAK HOUR TRAFFIC VOLUMES WITH DEVELOPMENT .....	22
FIGURE 13 – YEAR 2030 AM PEAK HOUR TRAFFIC VOLUMES WITH DEVELOPMENT .....	23
FIGURE 14 – YEAR 2030 PM PEAK HOUR TRAFFIC VOLUMES WITH DEVELOPMENT .....	24
<b>6.0 INTERSECTION ANALYSIS .....</b>	<b>25</b>
6.1 PERFORMANCE MEASURES.....	25
TABLE 5: HCM LEVEL OF SERVICE FOR INTERSECTIONS.....	25
6.2 INTERSECTION ANALYSIS RESULTS.....	26
TABLE 6: INTERSECTION PERFORMANCE: WEEKDAY AM PEAK HOUR .....	26
TABLE 7: INTERSECTION PERFORMANCE: WEEKDAY PM PEAK HOUR .....	27

**7.0 QUEUE ANALYSIS .....27**  
TABLE 8: INTERSECTION QUEUING: AM PEAK HOUR.....28  
TABLE 9: INTERSECTION QUEUING: WEEKDAY PM PEAK HOUR.....29

**8.0 EMERGENCY ACCESS .....29**  
FIGURE 15 – EMERGENCY ACCESS ROAD.....30

**9.0 OFFSITE INTERSECTION IMPROVEMENTS .....31**  
1) INTERSTATE-5 SOUTHBOUND RAMPS..... 31  
2) DOVETAIL LANE INTERSECTION ..... 34  
3) DOVETAIL LANE INTERSECTION ..... 34  
4) INTERSTATE-5 SOUTHBOUND RAMPS ..... 34

**10.0 CONCLUSION.....36**  
FINDINGS.....36

LIST OF APPENDICES

- APPENDIX A: SITE PLAN
- APPENDIX B: SCOPE OF WORK
- APPENDIX C: CRASH DATA
- APPENDIX D: TRAFFIC VOLUMES
- APPENDIX E: SYNCHRO OUTPUTS
- APPENDIX F: QUEUING OUTPUTS
- APPENDIX G: SIGNAL WARRANTS

## 1.0 BACKGROUND

This report provides the Traffic Impact Analysis and findings prepared for the proposed Ridgeview Subdivision in Sutherlin, Oregon. The development proposal is a 91-lot subdivision to be constructed with single-family homes. Appendix A contains the site plan.

### 1.1 SITE INFORMATION

The site is located north of Scandi Boulevard just west of Interstate-5 on a portion of tax lots 203 and 100 of Assessor Map 25-05-08. The site is vacant and is currently zoned R1 and RH. Figure 1 provides the site location and vicinity map.

The development will create new local streets with two connections to Scandi Boulevard. The site will access the larger street network via Dovetail Lane.

### 1.2 ANALYSIS SCOPE

The traffic study is performed in accordance with the City of Sutherlin and ODOT standards and criteria. Appendix B contains the Scope of Work. An intersection analysis was performed for the adjacent intersections at the following locations:

- Hwy 138 at Dovetail Lane
- Hwy 138 at Dakota Street
- Highway 138 at Park Hill Lane
- Park Hill at Interstate-5 SB Ramps
- Highway 138 at Interstate-5 NB Ramps

The operational analysis was performed at the study area intersections for the weekday AM and PM peak hours. The operational analysis is performed for the following conditions:

- Existing conditions, year 2023
- Year of completion, year 2025, with and without the proposed development
- Five-year planning horizon, the year 2030, with and without the proposed development



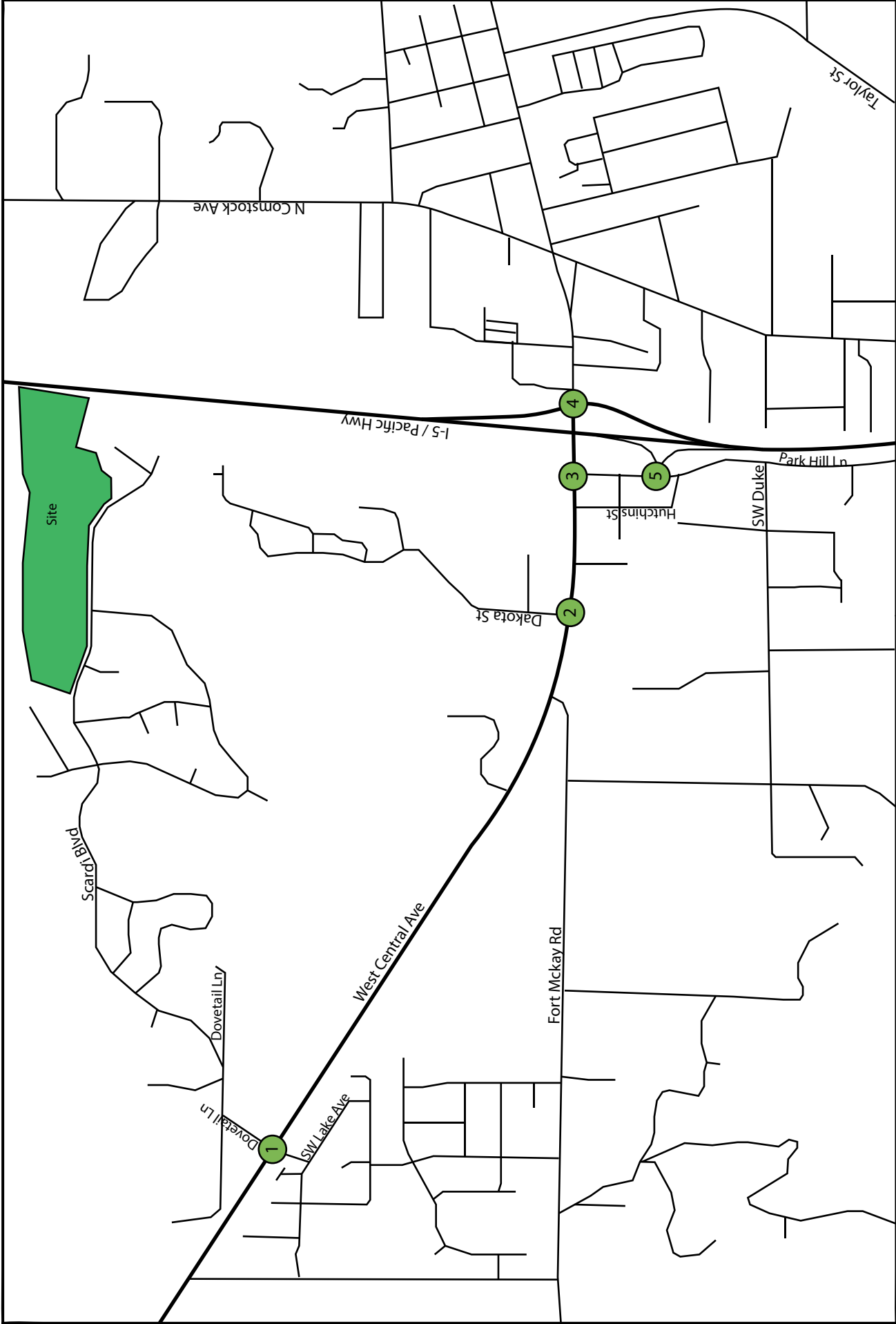


Figure 1: Site Location and Vicinity Map

Ridgeview Subdivision, Sutherlin, Oregon

**SANDOWENGINEERING**

160 Madison Street Suite A Eugene, Oregon 97402 - 541.513.3376 - sandowengineering.com

## 2.0 EXISTING ROADWAY CONDITIONS

### 2.1 STREET NETWORK

Streets included within the study are Hwy 138, Scardi Boulevard, and Dovetail Lane. The roadway characteristics within the study area are included in Table 1. Figure 1 provides a map of the site location and study area, and Figure 2 illustrates the street classifications, intersection geometry, and intersection control within the study area.

TABLE 1: ROADWAY CHARACTERISTICS WITHIN STUDY AREA

Characteristic	Hwy 138	Scardi Blvd	Dovetail Lane
<b>Jurisdiction</b>	ODOT	City of Sutherlin	City of Sutherlin
<b>Functional Classification</b>	Major Arterial	Minor Collector/Local	Minor Collector
<b>Lanes per Direction</b>	1	1	1
<b>Center Left Turn lane</b>	Turn Pockets	None	None
<b>Restrictions in the Median</b>	None	None	None
<b>Bikes Lanes Present</b>	Shoulders	None	None
<b>Sidewalks Present</b>	None	Intermittent	Intermittent
<b>Transit Route</b>	None	None	None
<b>On-Street Parking</b>	None	Yes	Yes

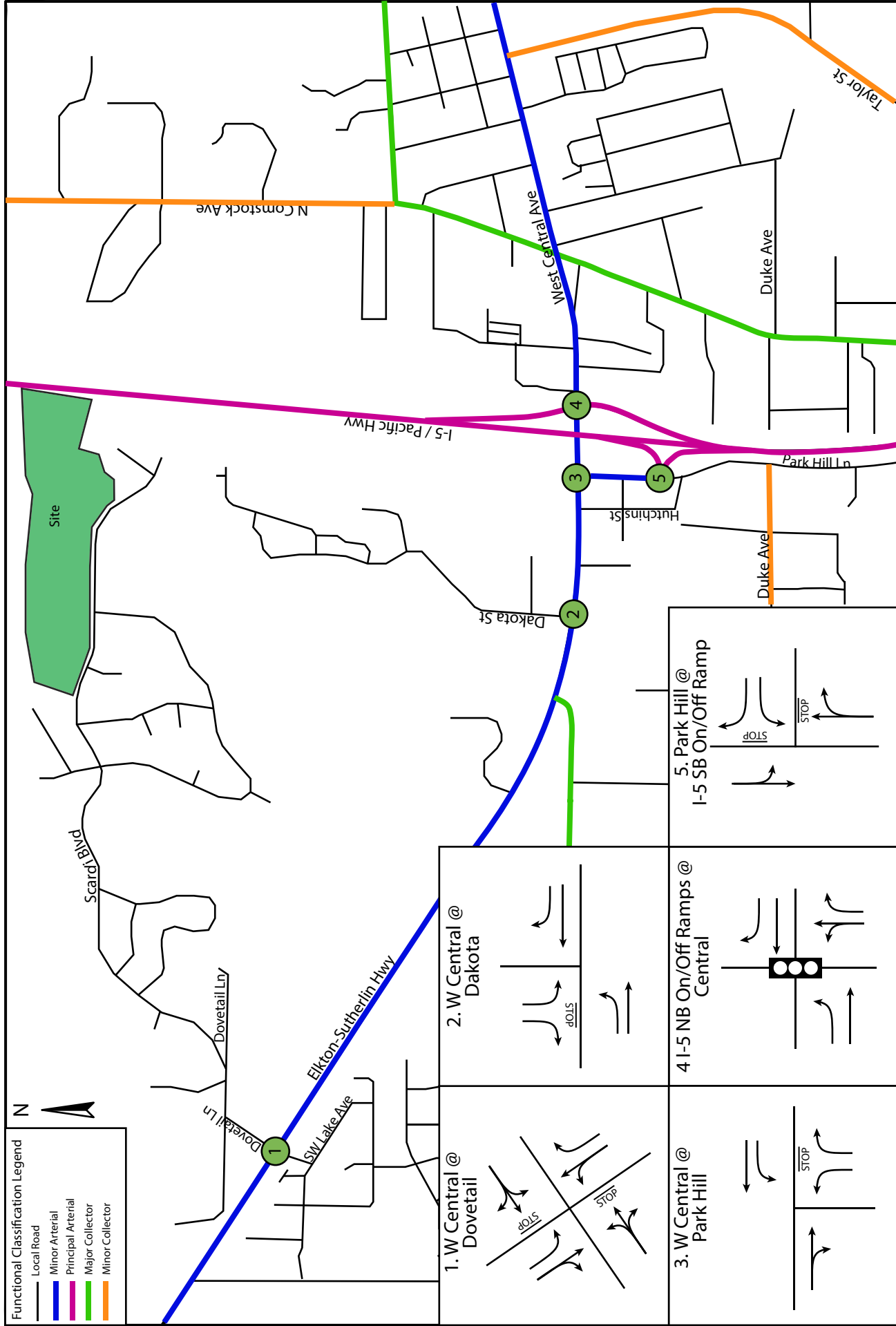


Figure 2: Lane Configuration and Street Classification

Ridgeview Subdivision, Sutherlin, Oregon

### 3.0 CRASH ANALYSIS

A crash evaluation was performed for the study area intersections. The analysis investigates crash data available for the most recent 5 years, 1/1/2019-12/31/2021, to determine the crash rate in crashes per million entering vehicles and the type of crashes that occurred. The crash analysis follows the Critical Crash Rate methodology outlined in ODOT's Analysis Procedures Manual. The calculated intersection crash rates are compared to the critical crash rates. The crash data is provided in Appendix C. The critical Crash Rate is illustrated in Table 2. Table 3 summarizes the crash data.

TABLE 2: INTERSECTION CRASH PATTERNS

Location	Intersection Type	Number of Crashes	AADT	MEV	Crash Rate*	Critical Crash Rate*	
Highway 138 at Dovetail Lane	Stop Control	7	5,970	10.90	0.64	0.32	Over
Highway 138 at Dakota St	Stop Control	5	10,170	18.56	0.27	0.27	Under
Highway 138 at Park Hill Ln	Stop Control	2	12,300	22.45	.09	.25	Under
Highway 138 at NB Ramps	Signal	2	13,290	24.25	0.08	0.20	Under
Park Hill Lane at SB Ramps	Stop	2	50,140	91.51	0.02	.017	Under

\*(crashes/million entering vehicles)

TABLE 3: INTERSECTION CRASH PATTERNS

Location	Number of Crashes	Types of Crashes					Pedestrian/ Bike
		Head	Rear	Side	Turn	Other	
Highway 138 at Dovetail Lane	7	0	1	1	2	3	0
Highway 138 at Dakota St	5	0	0	5	0	0	0
Highway 138 at Park Hill Ln	2	0	0	0	2	0	0
Highway 138 at NB Ramps	2	0	0	0	0	1	1
Park Hill Lane at SB Ramps	2	0	0	0	0	2	0

The critical crash rate is exceeded for the intersection of Highway 138 at Dovetail Lane. There have been 7 reported crashes at this location in the past 5 years. There was one rear-end crash, which involved westbound traveling vehicles on Highway 138, resulting in minor injuries. One of the crashes was an eastbound traveling vehicle on Highway 138 that left the roadway and hit a fence. This crash resulted in property damage only. One crash involved a motorcycle and vehicle traveling eastbound on Highway 138. The error for the crash was assigned to the motorcycle for improper passing. This crash resulted in fatality for the motorcyclist and passenger. There were two crashes involving vehicles crossing Highway 138 from north to south. These crashes involved a single vehicle for each crash. The vehicles both hit a fence, resulting in property damage only and were caused by driving too fast. The remaining two crashes involved vehicles making improper

turns and caused by inattention. There is no apparent pattern with the crashes that would indicate the need for corrective action.

There was one reported crash involving a bicycle. This crash was at Highway 138, and the NB ramps signal. This crash occurred on August 5, 2019, at approximately 11 AM. The crash involved a bicycle traveling westbound and a car traveling northbound. The error was assigned to the bicycle for disregarding the traffic signal.

## 4.0 DEVELOPMENT TRIP GENERATION AND DISTRIBUTION

The trips to this site are estimated using The ITE Trip Generation Manual 11<sup>th</sup> edition. Land Use Code 220- Single Family Residential is used for this site. Table 4 provides the PM peak hour trip generation for this site.

TABLE 4: TRIP GENERATION

Time of Day	Size	Rate	Trips	In	Out
<b>ADT</b>	91	$\ln(T)=0.92\ln(x)+2.68$	925	(50%) 463	(50%) 462
<b>AM Peak Hour</b>	91	$\ln(T)=0.91\ln(x)+0.12$	68	(25%) 17	(75%) 51
<b>PM Peak Hour</b>	91	$\ln(T)=0.94\ln(x)+0.27$	91	(63%) 57	(37%) 34

The existing travel patterns from the traffic counts are used to estimate how the development trips will use the surrounding transportation system to access the site. The trips are distributed through the study area based on those existing travel patterns as described below:

- 10% to/from the north on Dakota St
- 2% to/from the west on Highway 138
- 50% to/from the east on Highway 138
- 28% to/from I-5 south
- 6% to/from I-5 north
- 4% to/from west on Fort McKay Road

The traffic volumes were distributed within the study area according to the percentages above and are illustrated in Figure 3 for the AM peak hour and Figure 4 for the PM peak hour.

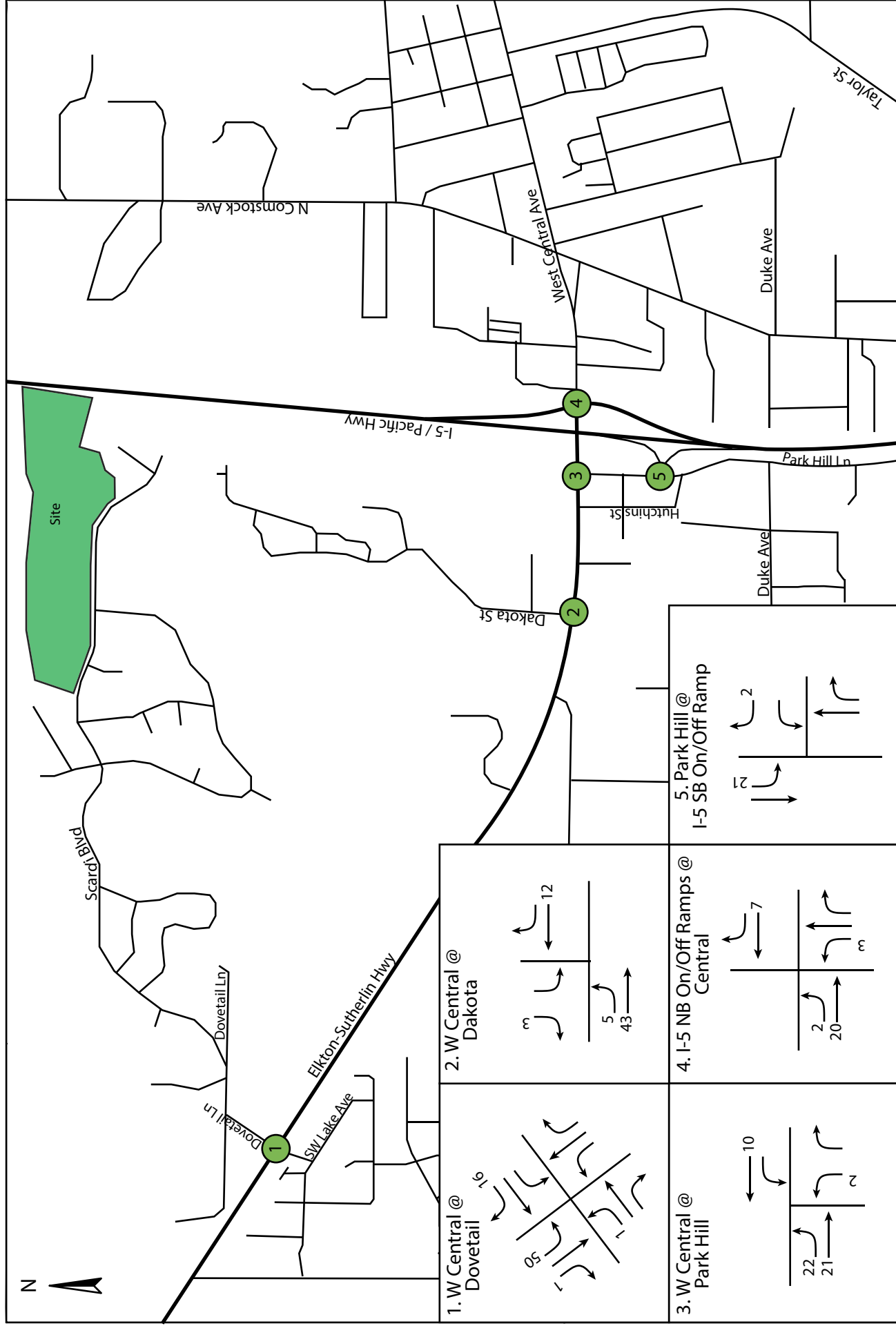


Figure 3: AM Development Trip Distribution

Ridgeview Subdivision, Sutherlin, Oregon

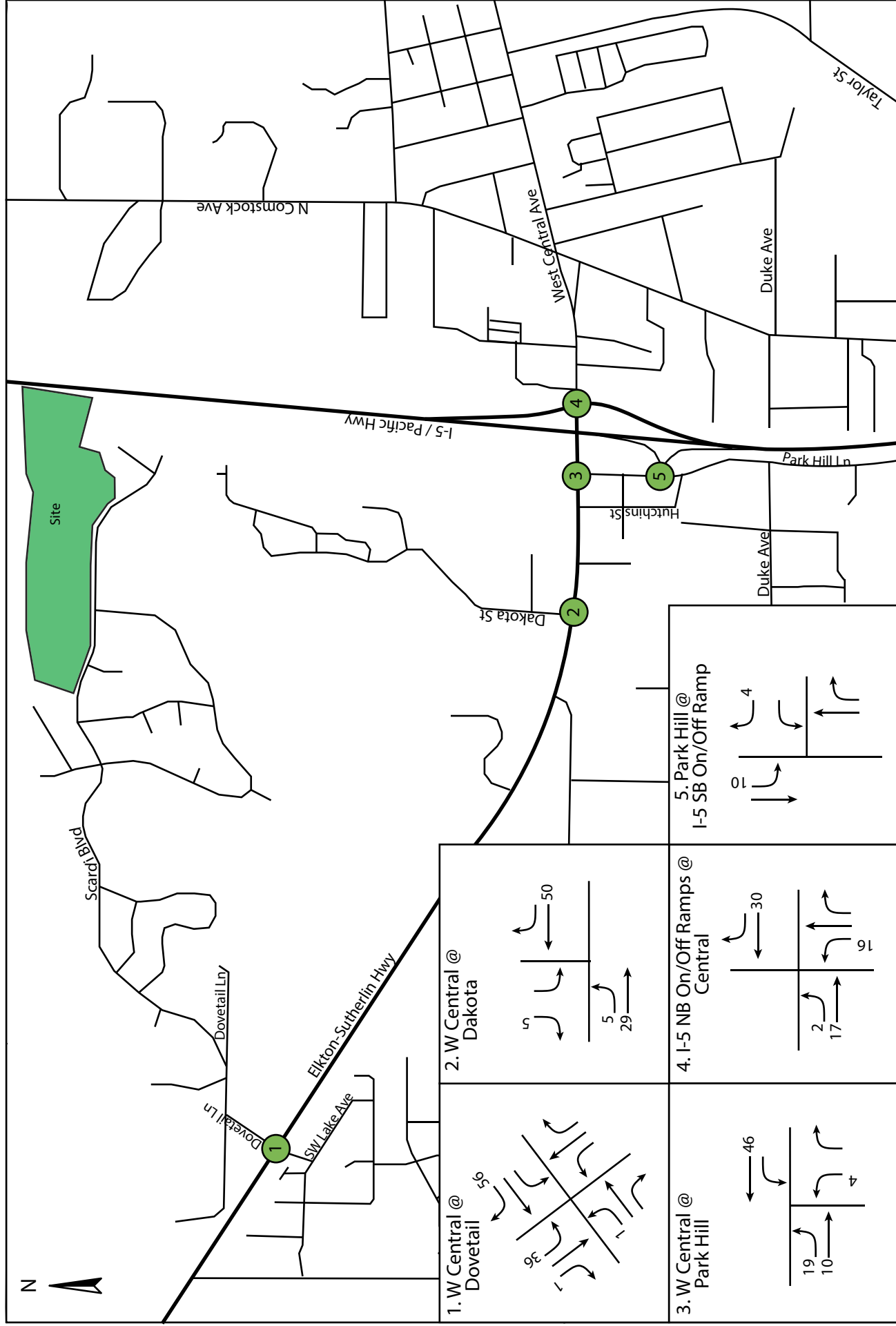


Figure 4: PM Development Trip Distribution

Ridgeview Subdivision, Sutherlin, Oregon



## 5.0 BACKGROUND TRAFFIC VOLUMES

### 5.1 INTERSECTION COUNTS

Traffic volumes were collected during January 2021, December 2021, June 2020, and August 2023. Counts were collected during the AM peak period of 6:30-9:30 AM and the PM peak period of 3:30-6:30 PM. The AM peak hour is from 8:00-9:00 AM. The PM peak hour occurs from 4:30-5:30 PM.

The traffic volumes are included in Appendix D.

### 5.2 SEASONAL ADJUSTMENT

The application of seasonal adjustment factors account for the fact that through volumes along State Highways fluctuate from month to month due to changes in recreational behavior, etc. The design hour traffic volumes are adjusted to reflect traffic conditions on roadways during the peak month of the year using a seasonal adjustment factor.

The seasonal adjustment was determined using the methodology outlined by ODOT's *ANALYSIS PROCEDURES MANUAL (APM)*. The seasonal adjustment considers the "commuter" trend, as described within ODOT's *2020 SEASONAL TREND TABLE*. The seasonal adjustment factor for this category is 1.0 for the June Counts, 1.025 for the August counts, 1.229 for the January counts, 1.156 for the December counts, and. The seasonal adjustment calculation is included in Appendix D.

### 5.3 FUTURE YEAR BACKGROUND VOLUMES

The proposed site development is projected to be completed by the year 2025. Consistent with the traffic impact analysis criteria, the intersections were evaluated for the existing year-year 2023, the year of completion-year 2025, and a 5-year planning horizon-year 2030. To account for naturally occurring traffic increases between the count year and the future analysis year, an annual growth rate was applied. The growth rate was estimated using Traffic volumes from the TSP. The year 2018 traffic volumes along Highway 138 were compared with the year 2040 traffic volumes. The resulting growth rate is 3.4% per year. The 3.4% per year growth rate was applied to the TSP base traffic volumes to estimate the year 2023, year 2025, and year 2027 background volumes.

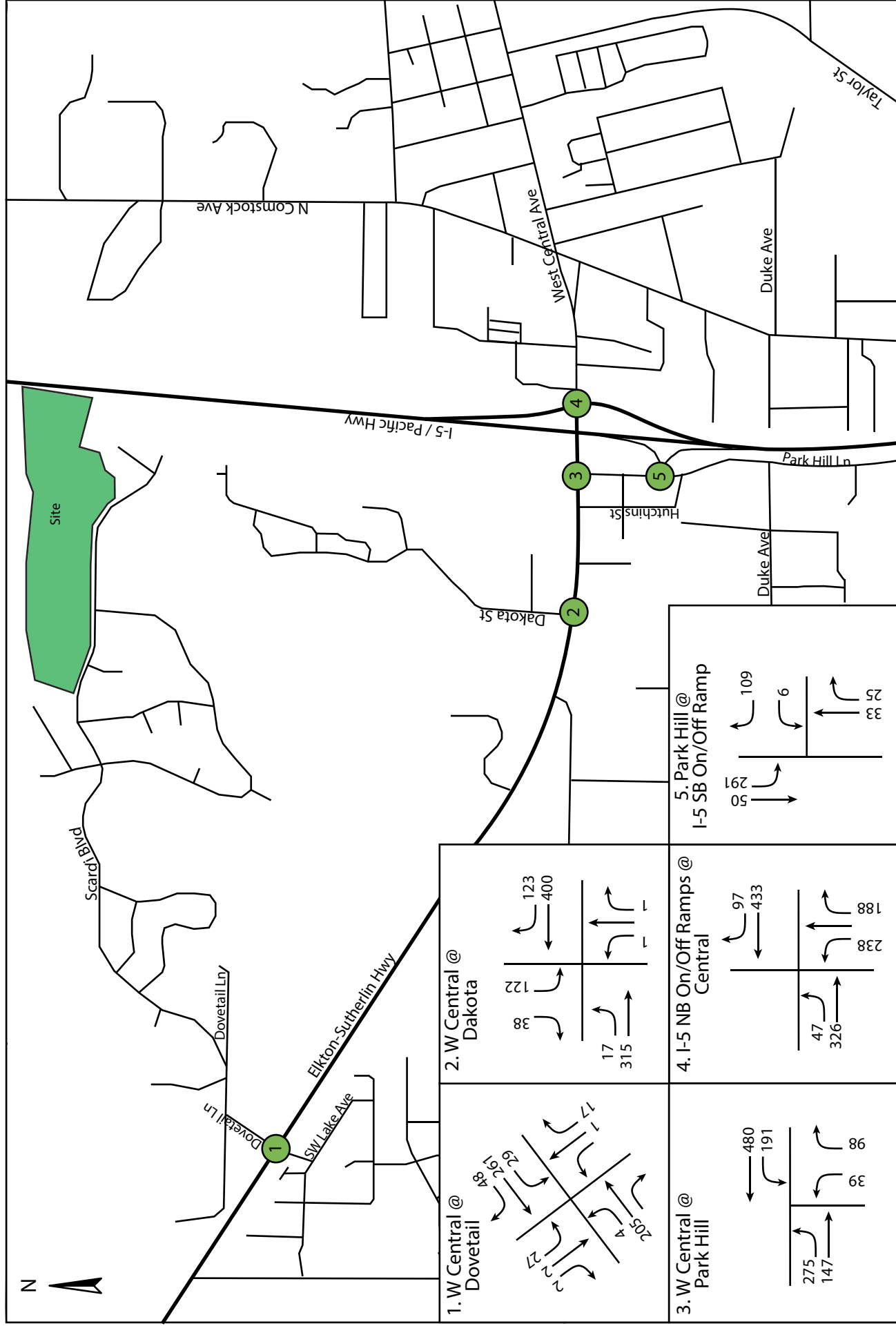
### 5.4 FINAL TRAFFIC VOLUMES

The existing traffic volumes were adjusted according to the methodology described above. Appendix D provides the traffic volume calculations. The development trips are added to the background traffic to volume to represent the build conditions. The traffic volumes are provided in the following figures:

- Figure 5 illustrates the year 2023 AM peak hour background traffic volumes.
- Figure 6 illustrates the year 2023 PM peak hour background traffic volumes.
- Figure 7 illustrates the year 2025 AM peak hour background traffic volumes.

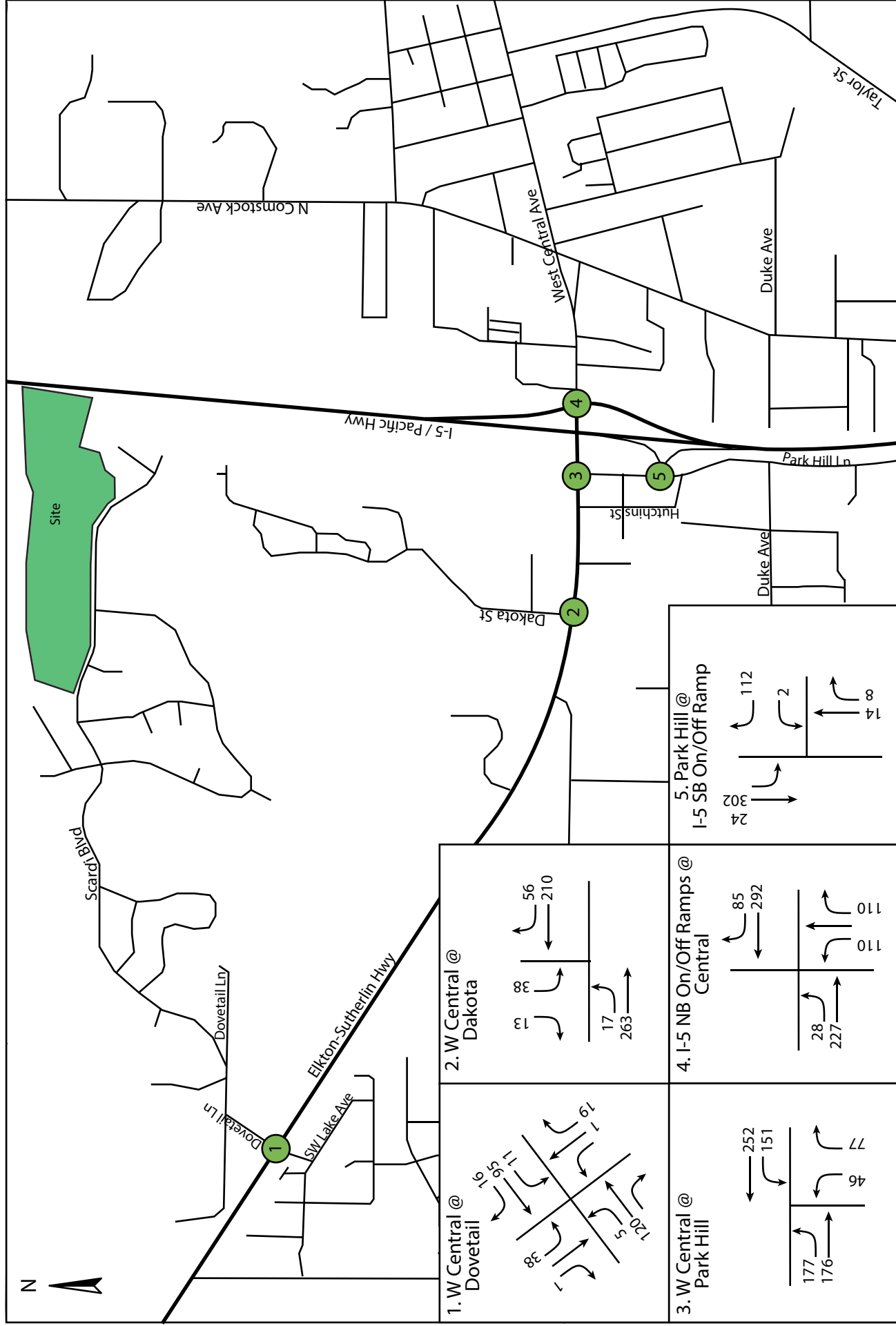
- Figure 8 illustrates the year 2025 PM peak hour background traffic volumes.
- Figure 9 illustrates the year 2030 AM peak hour background traffic volumes.
- Figure 10 illustrates the year 2030 PM peak hour background traffic volumes.
- Figure 11 illustrates the year 2025 AM peak hour traffic volumes with development.
- Figure 12 illustrates the year 2025 PM peak hour traffic volumes with development.
- Figure 13 illustrates the year 2030 AM peak hour traffic volumes with development.
- Figure 14 illustrates the year 2030 PM peak hour traffic volumes with development.





Ridgeview Subdivision, Sutherlin, Oregon

Figure 6: Year 2023 PM Background Traffic Volumes



Ridgeview Subdivision, Sutherlin, Oregon

Figure 7: Year 2025 AM Background Traffic Volumes

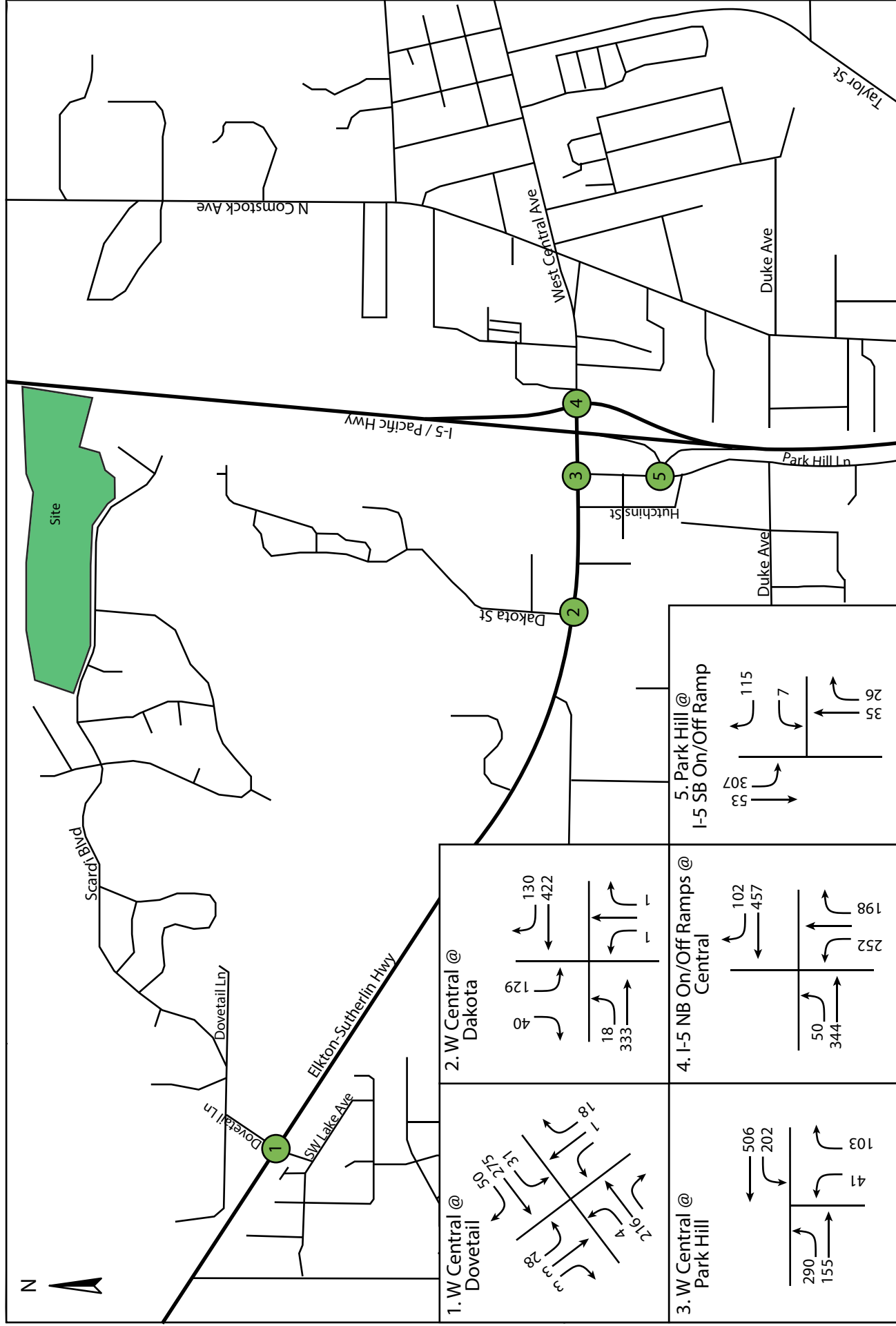
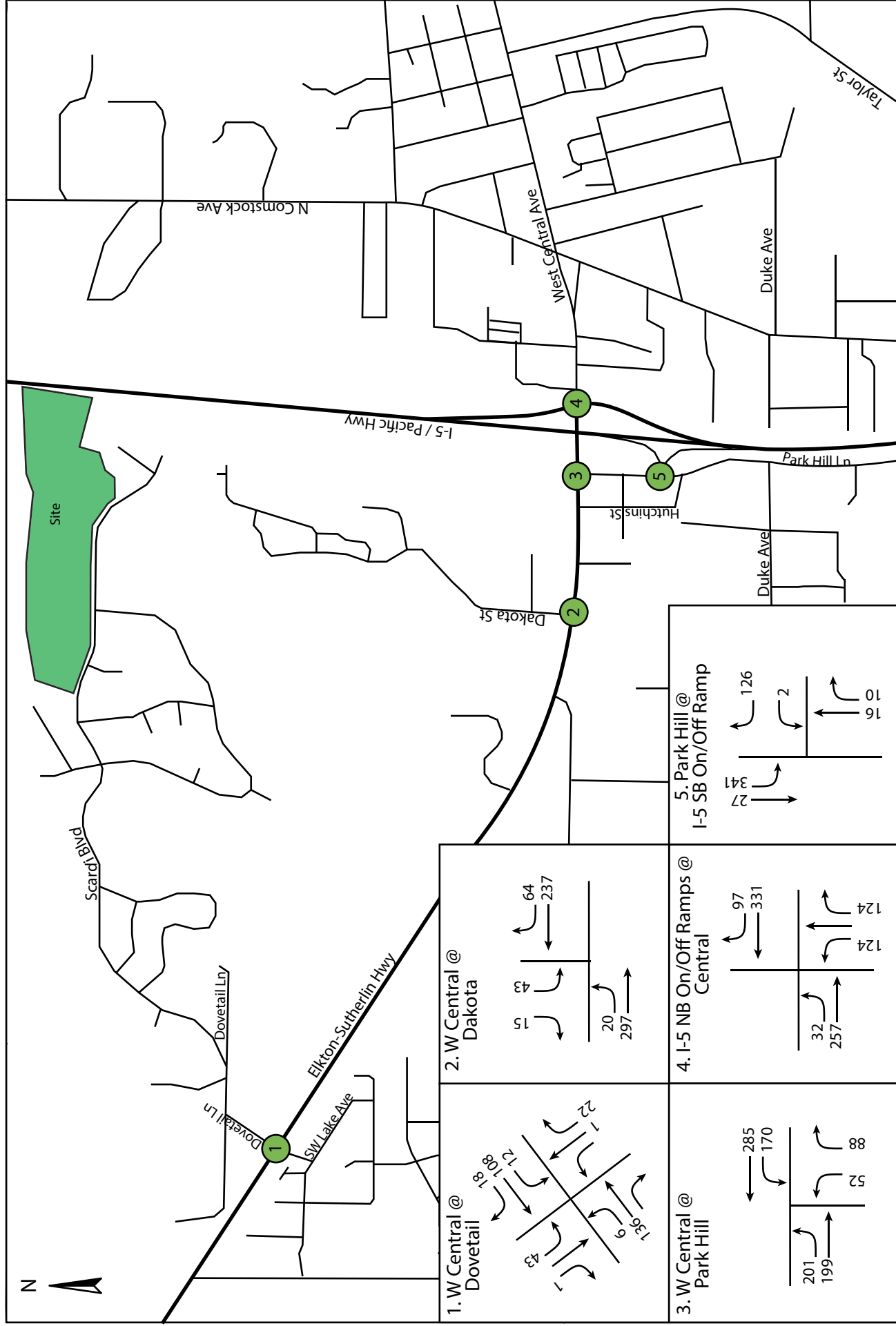


Figure 8: Year 2025 PM Background Traffic Volumes

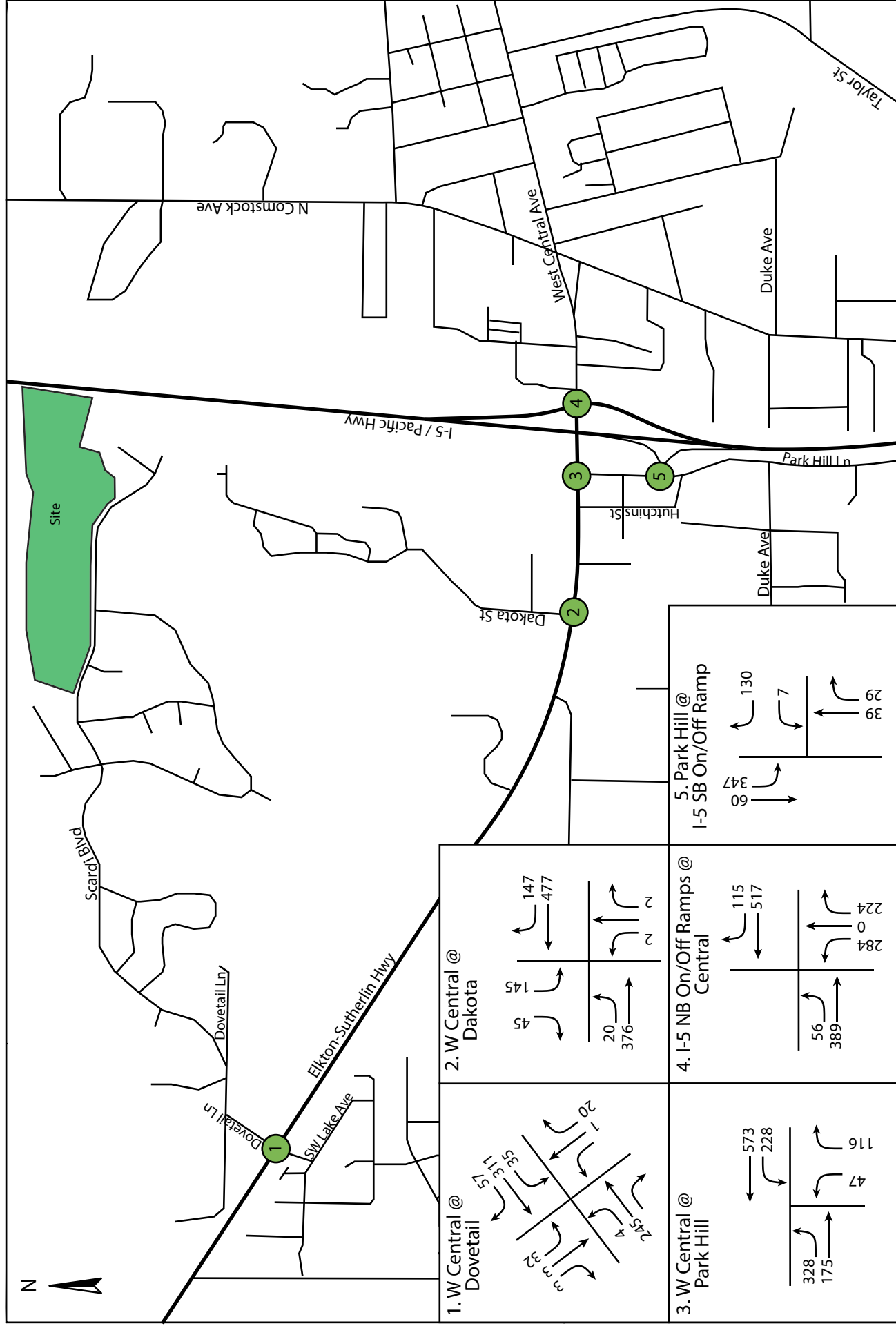
Ridgeview Subdivision, Sutherlin, Oregon



Ridgeview Subdivision, Sutherlin, Oregon

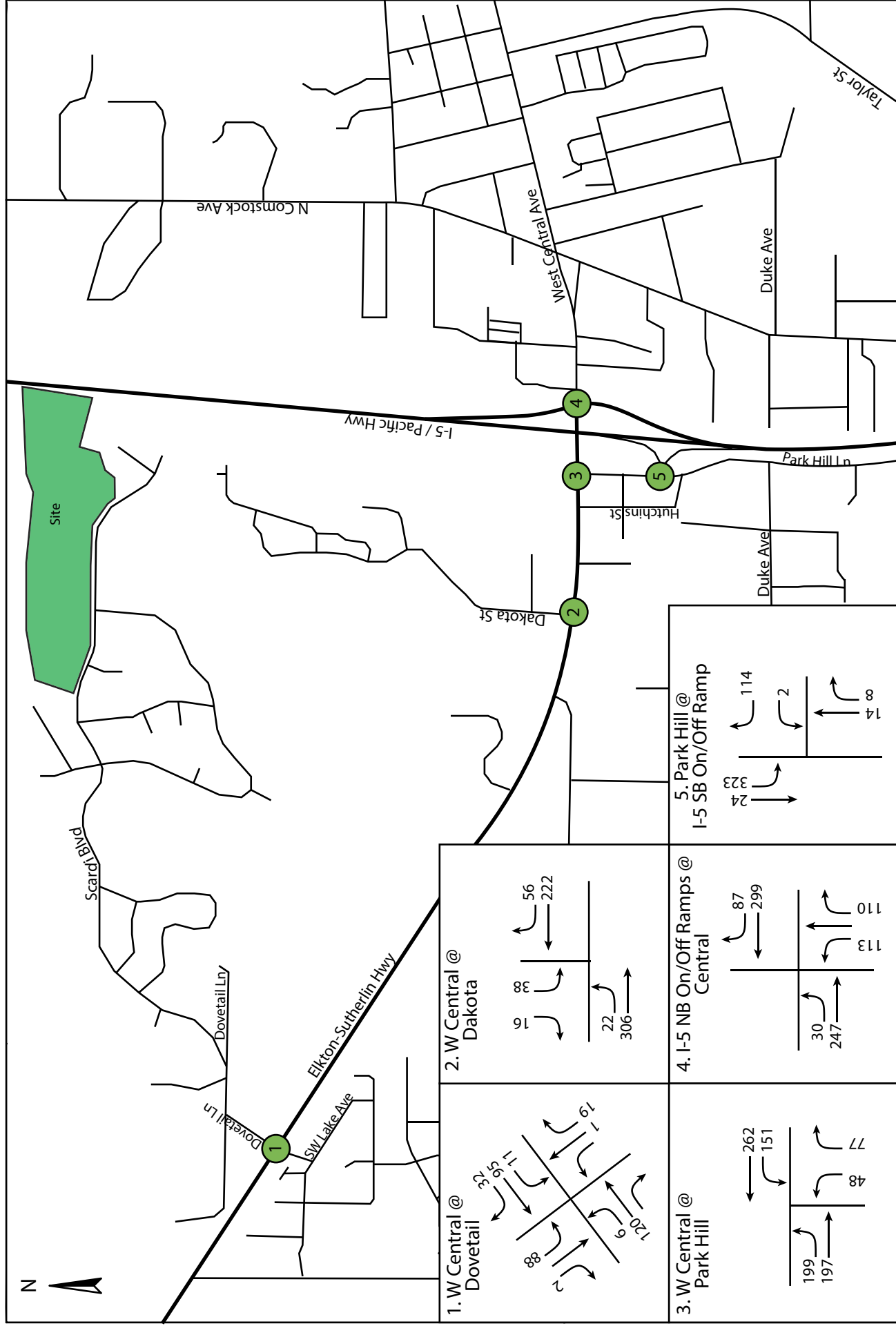
Figure 9: Year 2030 AM Background Traffic Volumes





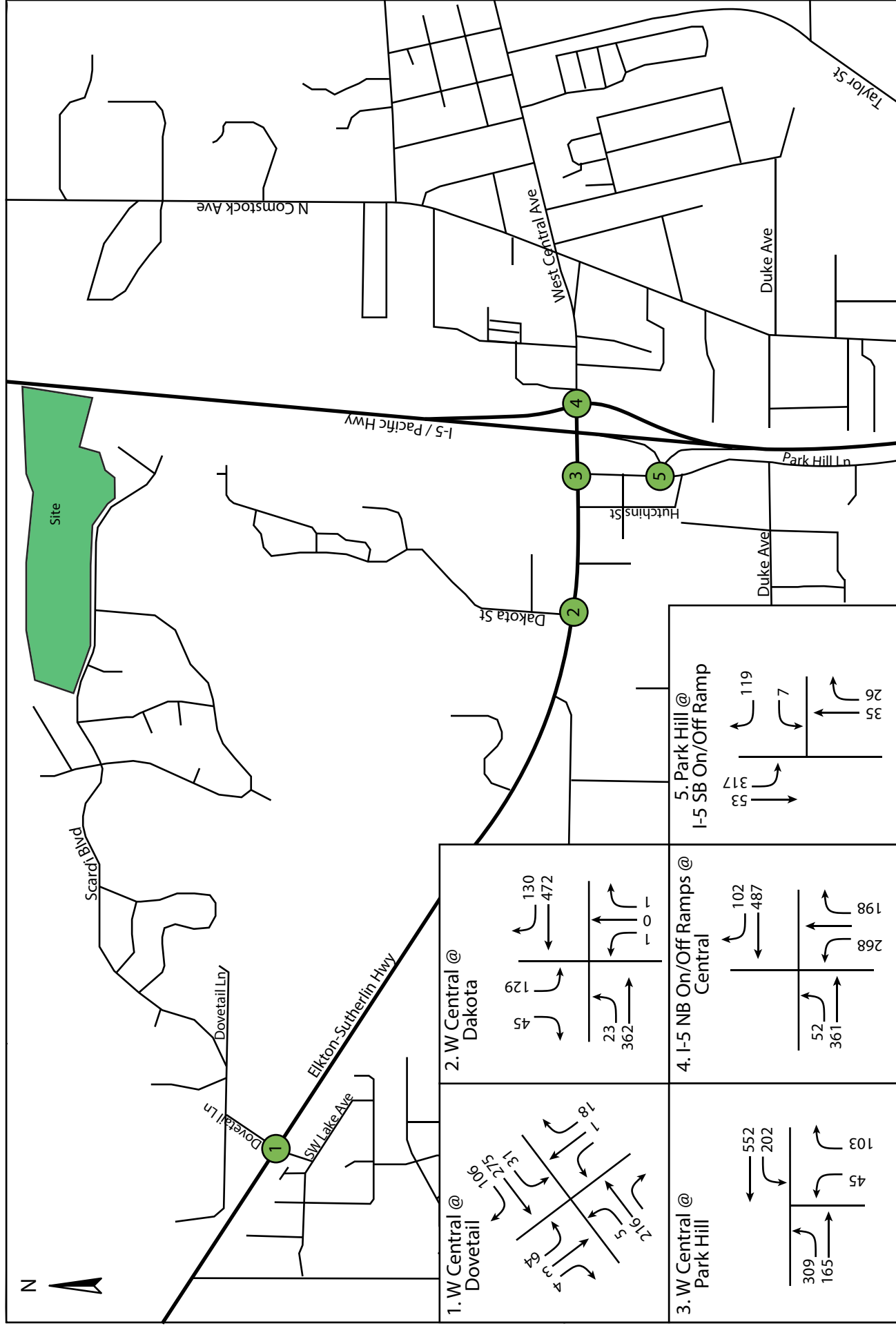
Ridgeview Subdivision, Sutherlin, Oregon

Figure 10: Year 2030 PM Background Traffic Volumes



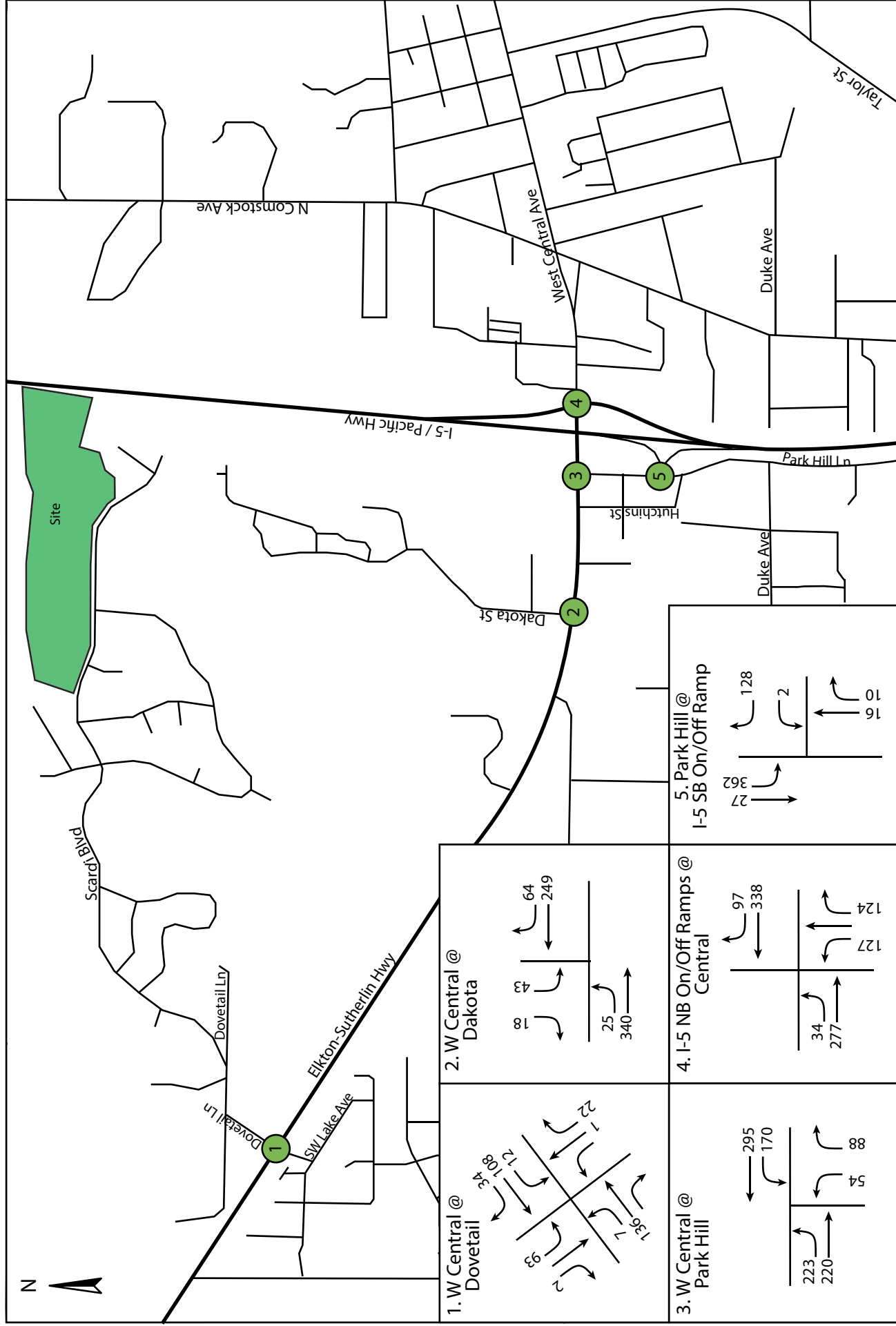
Ridgeview Subdivision, Sutherlin, Oregon

Figure 11: Year 2025 AM Traffic Volumes with Development



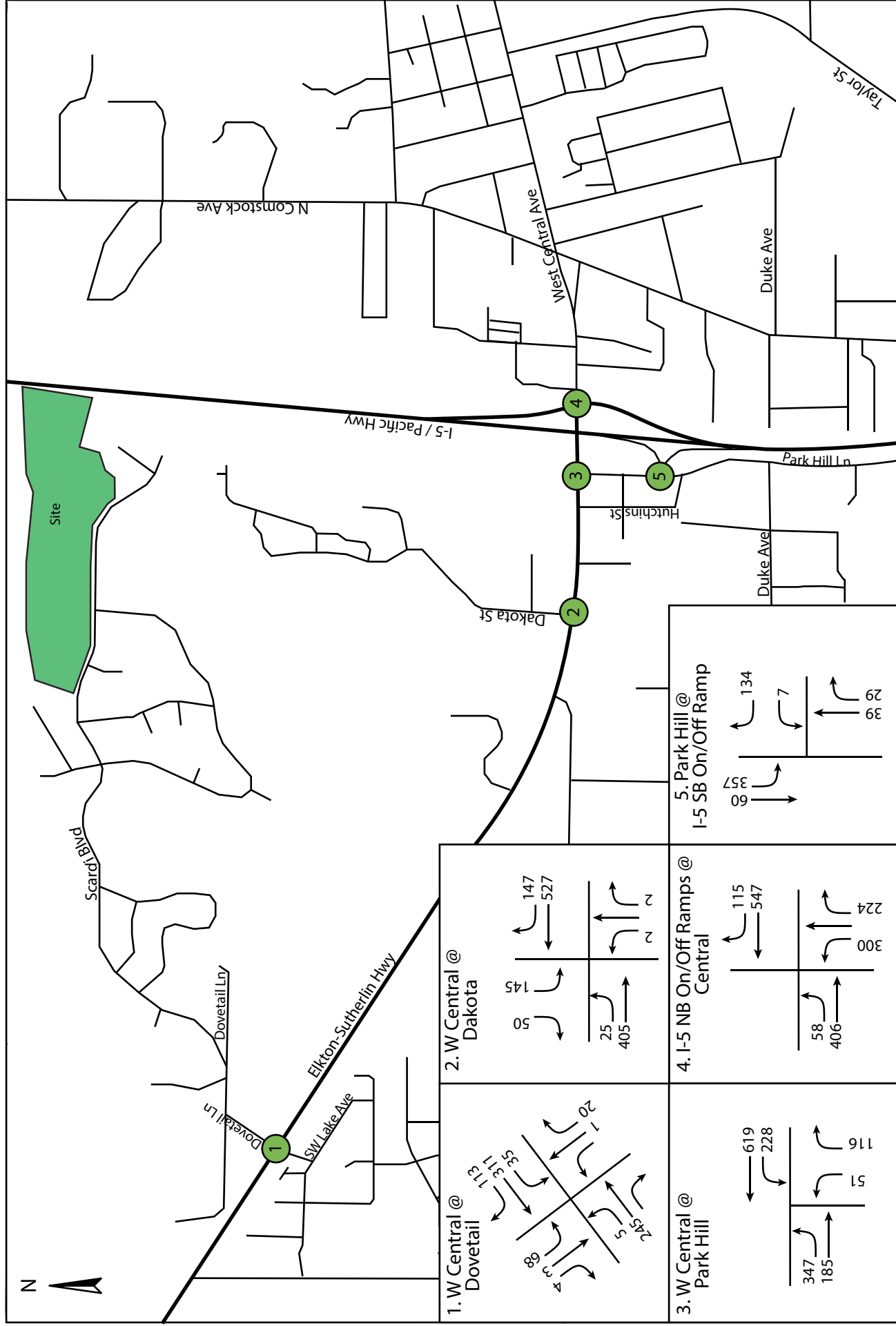
Ridgeview Subdivision, Sutherlin, Oregon

Figure 12: Year 2025 PM Traffic Volumes with Development



Ridgeview Subdivision, Sutherlin, Oregon

Figure 13: Year 2030 AM Traffic Volumes with Development



Ridgeview Subdivision, Sutherlin, Oregon

Figure 14: Year 2030 PM Traffic Volumes with Development

## 6.0 INTERSECTION ANALYSIS

### 6.1 PERFORMANCE MEASURES

The primary measure of performance for intersections under ODOT's jurisdiction is the volume-to-capacity ratio (v/c). The volume-to-capacity ratio describes the capability of an intersection to meet volume demand based on the maximum number of vehicles that could be served in an hour. V/C is the threshold for which ODOT evaluates the operation of intersections, as defined by the *1999 Oregon Highway Plan*. V/C thresholds are defined based on roadway classification and speed. Highway 138 is a Regional Highway with a posted speed of 30-55 mph. For stopped control intersections, the stopped approach has a v/c threshold of 0.95 at 35 mph or less and 0.90 at 45 mph or higher. The mainline has a v/c threshold of 0.90 at 35 mph or less and 0.85 for 45 mph or higher. For signalized intersections, the v/c threshold is 0.90. For ramp intersections, the v/c threshold is 0.85.

The City of Sutherlin uses a Level of Service (LOS) standard for intersections under the City's jurisdiction. The LOS standard is based on the Highway Capacity Manual (HCM) defined level of service (LOS). LOS is a concept developed to quantify the degree of comfort (including such elements as travel time, number of stops, total amount of stopped delay, and impediments caused by other vehicles) afforded to drivers as they travel through an intersection or along a roadway segment. It was developed to quantify the quality of service of transportation facilities.

LOS is based on average delay, defined as the average total elapsed time from when a vehicle stops at the end of a queue until the vehicle departs from the stop line. Average delay is measured in seconds per vehicle per hour and is then translated into a grade or "level of service" for each intersection. LOS ranges from A to F, with A indicating the most desirable condition and F indicating the most unsatisfactory condition.

The LOS criteria, as defined by the Highway Capacity Manual, for signalized intersections, are provided in Table 5.

TABLE 5: HCM LEVEL OF SERVICE FOR INTERSECTIONS

	Stopped Delay Per Vehicle (Seconds per Vehicle)	
	Unsignalized Intersections	Signalized Intersections
<b>A</b>	≤ 10.0	≤ 10
<b>B</b>	> 10.0 and ≤ 15.0	> 10 and ≤ 20
<b>C</b>	> 15.0 and ≤ 25.0	> 20 and ≤ 35
<b>D</b>	> 25.0 and ≤ 35.0	> 35 and ≤ 55
<b>E</b>	> 35.0 and ≤ 50.0	> 55 and ≤ 80
<b>F</b>	> 50.0	> 80

## 6.2 INTERSECTION ANALYSIS RESULTS

A performance analysis was conducted for the studied intersections for the Years 2023, 2025, and 2030 conditions during the AM and PM peak hours. The intersection evaluation was performed using Synchro 10 utilizing HCM 6 methodology. The results are shown in Table 6 for the AM peak hour and Table 7 for the PM peak hour. The SYNCHRO outputs are provided in Appendix E.

TABLE 6: INTERSECTION PERFORMANCE: WEEKDAY AM PEAK HOUR

Intersection	Mobility Standard v/c	2023 Background	2025 Background	2025 Build	2030 Background	2030 Build
<b>Hwy 138 @ Dovetail</b>	Side Street 0.90	0.06	0.07	0.16	0.08	0.18
	Mainline 0.85	0.01	0.01	0.01	0.01	0.01
<b>Hwy 138 @ Dakota</b>	Side Street 0.95	0.09	0.10	0.11	0.13	0.15
	Mainline 0.90	0.01	0.02	0.02	0.02	0.02
<b>Highway 138 at Park Hill</b>	Side Street 0.95	0.22	0.25	0.28	0.35	0.40
	Mainline 0.90	0.15	0.16	0.17	0.19	0.20
<b>Park Hill at SB Ramps</b>	0.85	0.13	0.14	0.24	0.26	0.27
<b>Highway 138 at NB Ramps</b>	0.90	0.39	0.40	0.41	0.46	0.46

As illustrated in Table 6, the intersection will meet the applicable mobility standards with the addition of development trips.



TABLE 7: INTERSECTION PERFORMANCE: WEEKDAY PM PEAK HOUR

Intersection	Mobility Standard v/c	2023 Background	2025 Background	2025 Build	2030 Background	2030 Build
<b>Hwy 138 @ Dovetail</b>	Side Street 0.90	0.08	0.09	0.19	0.11	0.22
	Mainline 0.85	0.02	0.02	0.02	0.03	0.03
<b>Hwy 138 @ Dakota</b>	Side Street 0.95	0.43	0.49	0.57	0.67	0.77
	Mainline 0.90	0.02	0.02	0.03	0.02	0.03
<b>Highway 138 at Park Hill</b>	Side Street 0.95	0.30	0.35	0.43	0.55	0.66
	Mainline 0.90	0.19	0.20	0.21	0.24	0.25
<b>Park Hill at SB Ramps</b>	0.85	0.14	0.16	0.22	0.24	0.18
<b>Highway 138 at NB Ramps</b>	0.90	0.55	0.58	0.62	0.66	0.68

As illustrated in Table 7, the intersection will meet the applicable mobility standards with the addition of development trips.

## 7.0 QUEUE ANALYSIS

A queuing analysis was conducted for the studied intersections. The analysis was performed using SimTraffic, a microsimulation software tool that uses the HCM-defined criteria to estimate the queuing of vehicles within the study area. The average and 95<sup>th</sup> percentile queuing results are illustrated in Table 8 for the AM Peak Hour and Table 9 for the PM peak hour. The SimTraffic outputs are provided in Appendix F.

TABLE 8: INTERSECTION QUEUING: AM PEAK HOUR

Intersection			Available Storage (Feet)	2023 Background (Feet)		2025 Background (Feet)		2025 Build (Feet)		2030 Background (Feet)		2030 Build (Feet)	
				95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average
Dovetail @ Hwy 138	EB	LTR	1000+	25	25	25	25	25	0	25	0	25	25
	WB	LT	1000+	25	25	25	0	25	25	25	25	25	25
	NB	LTR	425	50	25	50	25	50	25	50	25	50	25
	SB	LTR	250	50	25	50	25	50	25	50	25	50	25
Hwy 138 @ Dakota	EB	L	160	25	25	25	25	25	25	25	25	25	25
	WB	R	120	25	0	25	0	25	0	0	0	25	0
	SB	L	250	50	25	50	25	50	25	50	25	50	25
	SB	TR	100	25	25	25	25	25	25	25	25	50	25
Park Hill @ Hwy 138	EB	TR	170	25	25	25	25	25	25	25	25	25	25
	WB	L	250	75	50	75	50	100	50	100	50	100	50
	NB	L	210	100	50	75	50	75	50	100	50	100	50
	NB	R	185	0	0	0	0	0	0	0	0	0	0
I-5 NB Ramps @ Central	EB	L	265	50	25	50	25	75	25	75	25	75	25
	EB	T	350	100	50	100	50	100	50	100	50	100	50
	WB	T	220	100	50	100	50	100	50	100	50	125	50
	WB	R	110	50	25	50	25	50	25	50	25	75	25
	NB	LT	1000+	75	50	100	50	100	50	100	50	100	50
	NB	R	200	50	25	75	25	50	25	75	50	75	50
I-5 NB Ramps @ Park Hill	WB	LR	810	75	50	75	50	75	50	75	50	75	50
	NB	TR	740	0	0	0	0	0	0	0	0	0	0
	SB	LT	225	50	25	50	25	50	25	50	25	50	25

As demonstrated in Table 8, the addition of development traffic does not substantially increase the queuing conditions at the studied intersections.

TABLE 9: INTERSECTION QUEUING: WEEKDAY PM PEAK HOUR

Intersection			Available Storage (Feet)	2023 Background (Feet)		2025 Background (Feet)		2025 Build (Feet)		2030 Background (Feet)		2030 Build (Feet)	
				95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average	95 <sup>th</sup>	Average
Dovetail @ Hwy 138	EB	LTR	1000+	25	25	25	25	25	25	25	25	25	25
	WB	LT	1000+	25	25	25	25	50	25	50	25	25	25
	WB	R	135	0	0	0	0	0	0	0	0	0	0
	NB	LTR	425	50	25	50	25	50	25	50	25	50	25
	SB	LTR	250	50	25	50	25	75	50	50	25	75	50
Hwy 138 @ Dakota	EB	L	160	25	25	25	25	25	25	25	25	50	25
	WB	LT	490	25	0	25	0	25	0	25	0	25	0
	WB	R	120	25	0	25	25	25	25	25	25	25	25
	NB	LTR	250	25	25	25	25	25	25	25	25	25	25
	SB	L	250	100	50	100	50	100	50	100	75	100	75
	SB	TR	100	50	25	50	25	50	25	50	25	75	25
Park Hill @ Hwy 138	EB	TR	170	25	25	25	25	25	25	25	25	50	25
	WB	L	250	75	50	75	50	100	50	100	50	100	75
	NB	L	210	75	50	75	50	75	50	75	50	75	50
	NB	R	185	0	0	25	25	25	25	0	0	25	25
I-5 NB Ramps @ Central	EB	L	265	75	50	75	50	75	50	75	50	75	50
	EB	T	350	100	75	100	75	125	75	125	75	125	75
	WB	T	220	125	75	150	75	175	100	200	100	200	100
	WB	R	110	50	25	75	25	50	25	75	25	100	50
	NB	LT	1000+	125	75	125	75	125	75	150	75	150	100
	NB	R	200	75	50	75	50	75	50	100	50	100	50
I-5 NB Ramps @ Park Hill	WB	LR	810	75	50	75	50	50	50	75	50	75	50
	NB	TR	740	25	25	25	0	25	0	25	0	25	0
	SB	LT	225	50	25	75	25	75	25	75	25	75	25

As demonstrated in Table 9, the addition of development traffic does not substantially increase the queuing conditions at the studied intersections.

## 8.0 EMERGENCY ACCESS

The project will include the construction of an emergency access road from the northern terminus of Pebble Creek Street north to Stearns Lane. This emergency access will contain fire department and emergency access approved gates at the southern and northern terminus. The emergency access road will be constructed with the width and all-weather surface as required by the fire department. The proposed alignment is included in Figure 15 below. Final alignment will be field verified during construction to ensure all EMS roadway requirements are met. The emergency access road is sufficient for the anticipated need.

# RIDGEVIEW SUBDIVISION PRELIMINARY EMS ACCESS EXHIBIT

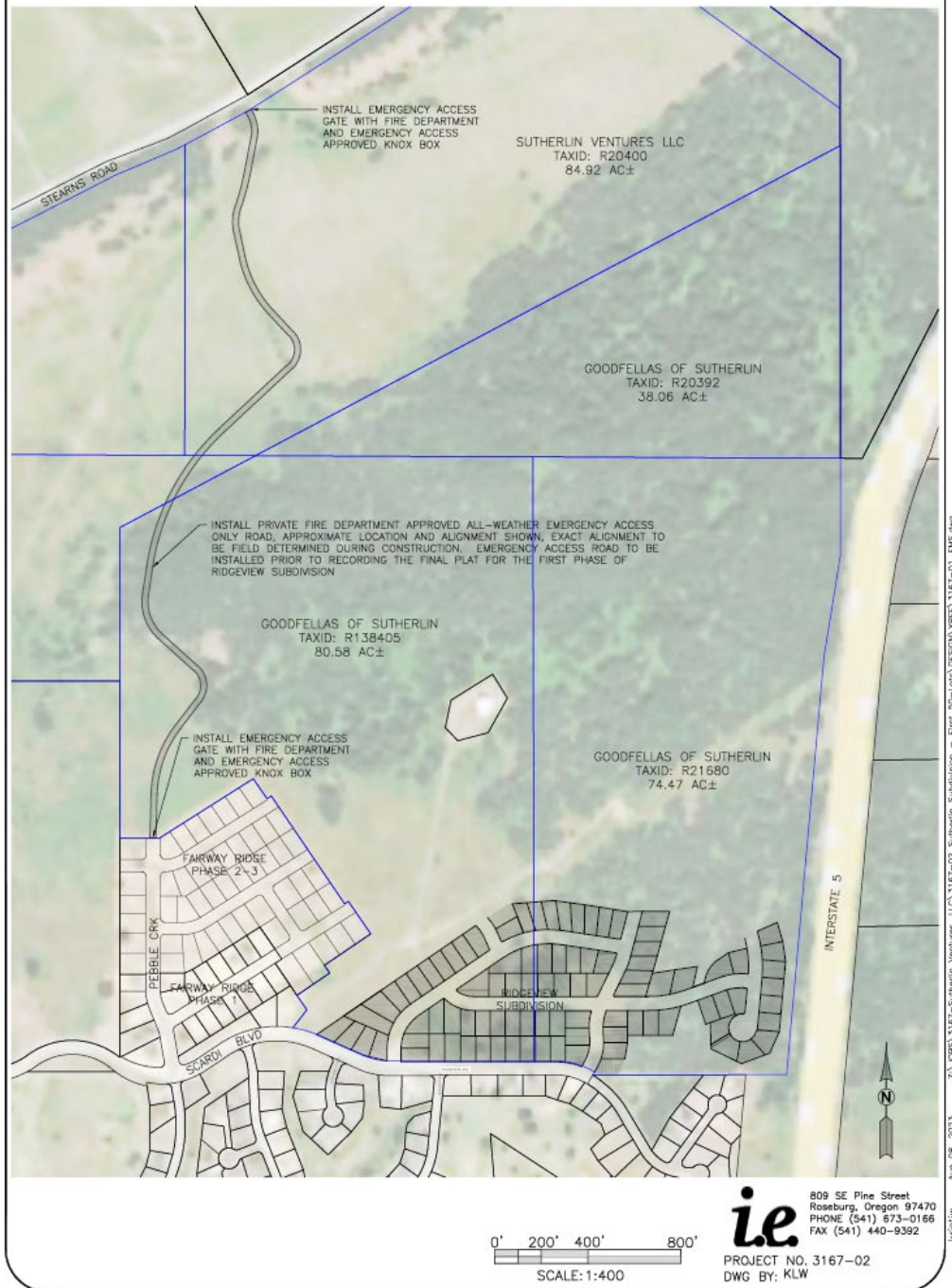


FIGURE 15 – EMERGENCY ACCESS ROAD

## 9.0 OFFSITE INTERSECTION IMPROVEMENTS

The Plan Amendment and Zone Change for the ASKS property (PA-07-3/ZC-07-4) identified several offsite intersection improvements as per Attachment A included in the Scope of Work letter included in Appendix B of this TIA. The improvements were evaluated to determine the need during this phase of development.

### 1) INTERSTATE-5 SOUTHBOUND RAMPS

This project is described as “install a traffic signal and eastbound right-turn lane on OR 138W”. It is assumed that the turn pocket and traffic signal are to be placed at OR 138 and Park Hill Intersection.

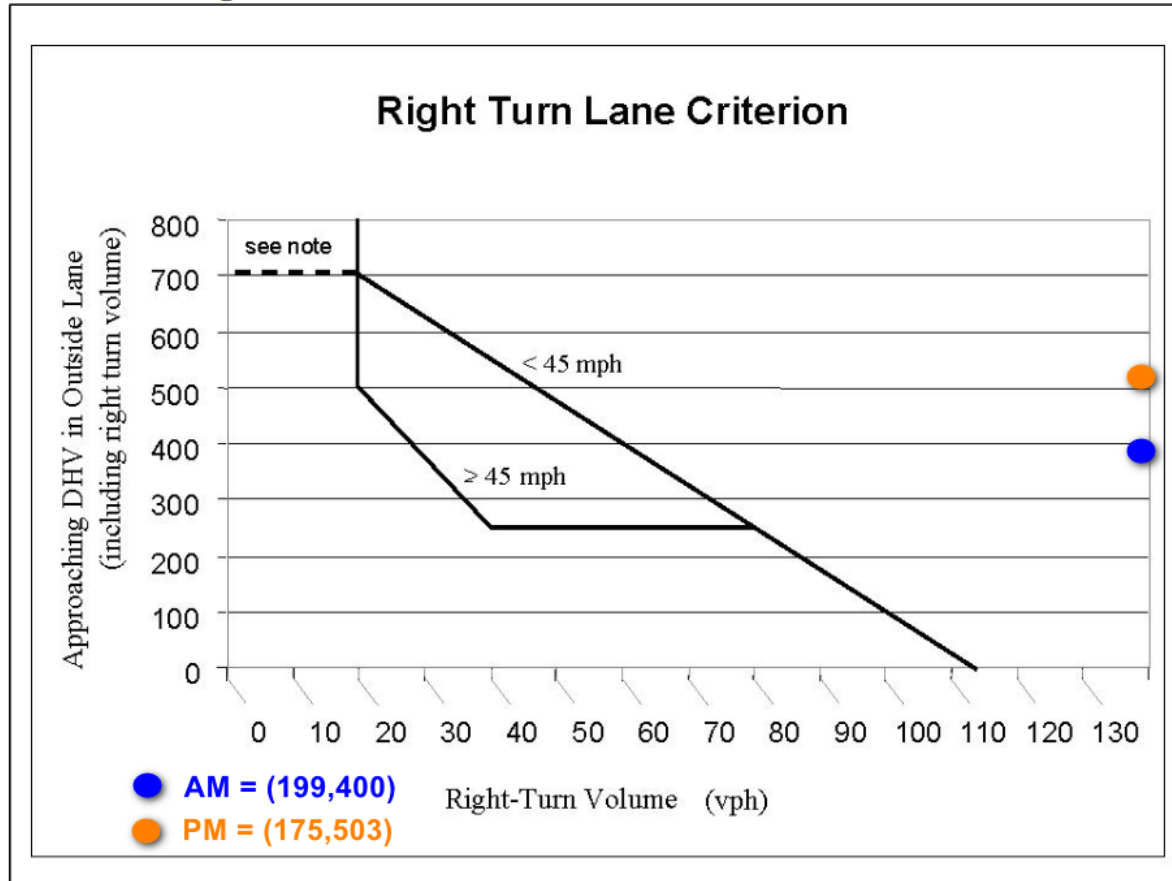
As demonstrated in Section 6.0 above, the intersection of OR 138 at Park Hill is anticipated to have a v/c of 0.40 during the AM peak hour and a v/c of 0.66 during the PM peak hour with this phase of development. The v/c meets the standard of 0.95.

The longest queue lengths occur for the northbound left turn at 100 feet and the westbound left turn at 100 feet. The queuing does not exceed the available storage of 200 feet for the northbound left turn and 350 feet for the westbound left turn.

Signal warrant analysis was performed for this intersection using ODOT’s Preliminary Traffic Signal Warrant. This warrant was prepared for the year 2030 PM peak hour conditions with this proposed development in place. The PM peak hour has a higher overall traffic volume on all approaches. Therefore, it is the more appropriate to use. The 70% warrant was considered due to the population of Sutherlin being less than 10,000. The signal warrant output is included in Appendix G. The traffic volumes for the major approaches (Highway 138) and minor approach (Park Hill) do not meet the warrant volumes for either Case A or Case B. Therefore, a traffic signal at this location is not warranted.

The need for an eastbound right turn pocket was evaluated following ODOT right turn warrants found within the Analysis Procedures Manual. The right turn warrants consider the total approaching volumes, right turning volumes, and roadway speed. For the year 2030 conditions with this development in place, during the AM peak hour, the total approaching volume is 400, and the right turn is 199. For the PM peak hour, the total approaching volume is 503, and the right turn is 175. The speed of Highway 130 at this location is 30 mph. The graph below illustrates the turn pocket criterion.

Exhibit 12-2 Right Turn Lane Criterion



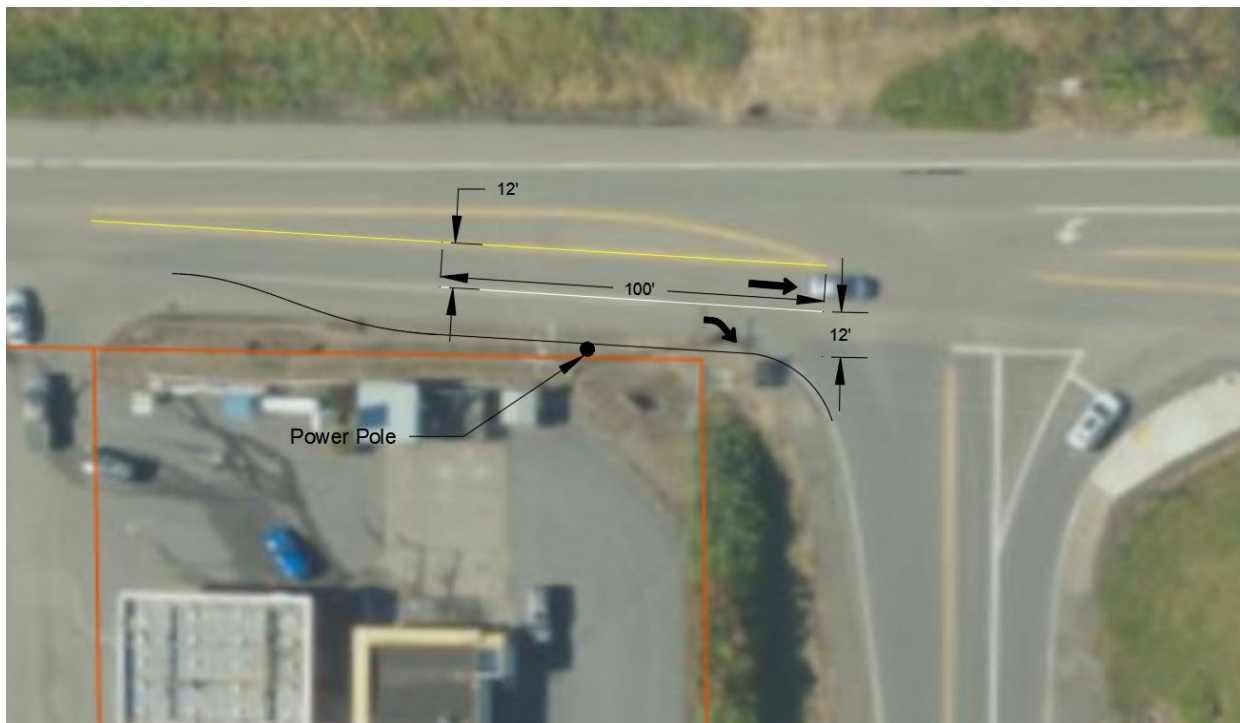
Note: If there is no right turn lane, a shoulder needs to be provided. If this intersection is in a rural area and is a connection to a public street, a right turn lane is needed.

The right turn pocket meets the traffic volume criterion. However, there is insufficient ROW to construct a full right turn pocket, given the location of the power poles along the southern edge of the roadway. A right turn pocket is not recommended at this time.





Highway 138 Looking East, Just West of Park Hill.



Rith Turn layout at Highway 138 and Park Hill



## 2) DOVETAIL LANE INTERSECTION

This improvement is the installation of a westbound right turn lane on OW 138. This improvement has been completed. There is a separated right turn pocket with approximately 95 feet of storage and 180 feet of taper. The queuing analysis estimates no more than a 25-foot queue for the right turn pocket. There is no additional right turn pocket or taper length needed for this right turn.

## 3) DOVETAIL LANE INTERSECTION

This improvement is the installation of a median on OR 138 to restrict the access to right-in/right-out only and install a new east-west Collector Street connection from Dovetail Lane to Stearns Lane.

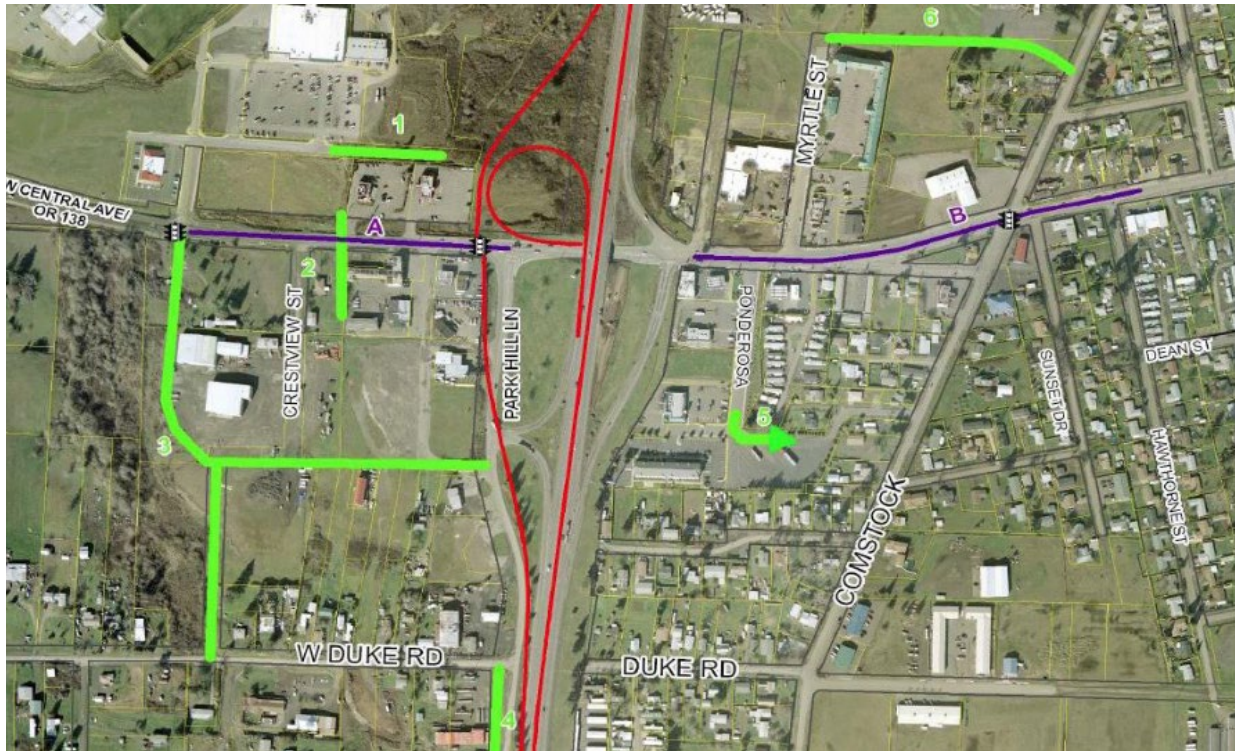
As demonstrated within Section 6.0, during the AM peak hour in the year 2030 with this phase of development completed, the v/c is 0.18, and LOS is B. During the PM peak hour in the year 2030 with the phase of development completed, the v/c is 0.22, and LOS is C. The operation of the intersection does not trigger the restriction of Dovetail to right-in/right-out at this time.

The creation of a new east-west Collector Street connection from Dovetail Lane to Stearns Lane would require construction on property not owned by this applicant, as there is no right-of-way available for this connection. This connection is not feasible at this time.

## 4) INTERSTATE-5 SOUTHBOUND RAMPS

This improvement is the installation of Exit 136 southbound exit ramp in the northwest quadrant and the installation of a traffic signal or roundabout at OR138W/Dakota Street.

Exit 136 Interchange Management Plan, completed by ODOT in April of 2009, has the preferred alternative illustrated below. This alternative and surrounding improvement was adopted as part of the City of Sutherlin's Transportation System Plan, dated July 2020. This alignment illustrates a southbound exit ramp and westbound-to-southbound on-ramp located in the northwest quadrant of the interchange. This is a substantial improvement project that far extends the impact of this project on the interchange. This improvement is not necessary for the interchange area to meet the v/c standards with the completion of this phase of development.



**Exit 136 IAMP Preferred Alternative (source Sutherlin TSP)**

As demonstrated in Section 6.0 above, the intersection of OR 138 at Dakota Lane is anticipated to have a v/c of 0.15 during the AM peak hour and a v/c of 0.77 during the PM peak hour with this phase of development. The v/c meets the standard of 0.95.

The longest queue lengths occur for the southbound left turn at 100 feet. The queuing does not exceed the available storage of 250 feet for the southbound approach.

A signal warrant analysis was performed for this intersection using ODOT's Preliminary Traffic Signal Warrant. This warrant was prepared for the year 2030 PM peak hour conditions with this proposed development in place. The PM peak hour has a higher overall traffic volume on all approaches. Therefore, it was the more appropriate to use. The 70% warrant was considered due to the population of Sutherlin being less than 10,000. The signal warrant output is included in Appendix G. The traffic volumes for the major approaches (Highway 138) and minor approach (Dakota) do not meet the warrant volumes for Case A but does meet the warrant volumes for Case B. However, given that the v/c standards are met, this phase of development does not trigger improvements at this location. Therefore, a traffic signal is not recommended at this time.

## 10.0 CONCLUSION

This report provides the Traffic Impact Analysis and findings prepared for the proposed 91-unit subdivision located north of Scardi Boulevard in Sutherlin, Oregon. The analysis evaluates the transportation impacts as per the City of Sutherlin and ODOT, evaluating adjacent roadway and intersection operation with the addition of development traffic for the year of completion and 5 years into the future.

### FINDINGS

- All studied intersections operate within the mobility standards with and without the development traffic.
- The addition of development traffic does not substantially increase queuing conditions.
- The project will include the construction of an emergency access road from the northern terminus of Pebble Creek Street north to Stearns Lane. The emergency access road is sufficient for the anticipated need.
- The previous findings for the Plan Amendment and Zone change associated with this property identified several transportation improvements; see Attachment A in Appendix B. The following are findings relevant to the transportation improvements warranted for this phase of development.

- 1) This project is described as “install a traffic signal and eastbound right-turn lane on OR 138W”. It is assumed that the turn pocket and traffic signal are to be placed at OR 138 and Park Hill Intersection.

The v/c meets the standard of 0.95, and the queuing does not exceed the available storage of 200 feet for the northbound left turn and 350 feet for the westbound left turn. There are no operational issues that would trigger mitigation for this phase of development.

Signal warrant analysis was performed for this intersection using ODOT’s Preliminary Traffic Signal Warrant. The traffic volumes for the major approaches (Highway 138) and minor approach (Park Hill) do not meet the warrant volumes for either Case A or Case B. Therefore, a traffic signal at this location is not warranted.

The right turn pocket meets the traffic volume criterion. However, there is insufficient ROW to construct a full right turn pocket, given the location of the power poles along the southern edge of the roadway. A right turn pocket is not recommended at this time.

- 2) This improvement is the installation of a westbound right turn lane on OW 138 at Dovetail Lane. This improvement has been completed. There is a separated right turn pocket with approximately 95 feet of storage and 180 feet of taper.

The queuing analysis estimates no more than a 25-foot queue for the right turn pocket. There is no additional right turn pocket or taper length needed for this right turn.

- 3) This improvement is the installation of a median on OR 138 at Dovetail Lane to restrict the access to right-in/right-out only and install a new east-west Collector Street connection from Dovetail Lane to Stearns Lane.

During the AM peak hour in the year 2030, with this phase of development completed, the v/c is 0.18 and LOS is B. During the PM peak hour in the year 2030, with this phase of development completed, the v/c is 0.22 and LOS is C. The operation of the intersection does not trigger the restriction of Dovetail to right-in/right-out at this time.

The creation of a new east-west Collector Street connection from Dovetail Lane to Stearns Lane would require construction on property not owned by this applicant, as there is no right-of-way available for this connection. This connection is not feasible at this time.

- 4) This improvement is the installation of Exit 136 southbound exit ramp in the northwest quadrant of the interchange and the installation of a traffic signal or roundabout at OR138W/Dakota Street.

The installation of Exit 136 southbound exit ramp is a substantial improvement project that far extends the impact of this project on the interchange. This improvement is not necessary for the interchange area to meet the v/c standards with the completion of this phase of development.

A signal warrant analysis was performed for the OR138W/Dakota Street intersection using ODOT's Preliminary Traffic Signal Warrant. The traffic volumes for the major approaches (Highway 138) and minor approach (Dakota St) do not meet the warrant volumes for Case A, but does meet the warrant volumes for Case B. The intersection operates within the v/c standard with this phase of the development in place. Therefore, mitigation by this phase of development does not trigger improvements at this intersection. A traffic signal is not recommended at this time.

## RIDGEVIEW SUBDIVISION



RIDGEVIEW SUBDIVISION



**ie** civil  
structural  
surveying  
architecture  
planning

i.e. Engineering, Inc.  
809 SE Pine St  
Roseburg, OR  
ieengineering.com



Rev.	Date	Dwg	Description

**RIDGEVIEW SUBDIVISION**

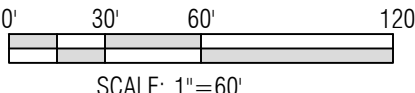
0 SCARDI BLVD  
SOUTHERN, OR 97419  
**OVERALL PLAN**  
SCALE AS SHOWN  
JULY 5, 2023  
ISSUE: PRELIMINARY SET

PROJECT NO. 3167-02  
DRAWN: ANW  
CHK: EDR

Z:\0085\3167-Southern Ventures, LLC\3167-02 Southern Subdivision - First 50-Lot\DESIGN\CADD\3167-02\_C.dwg

**C2**

CALL BEFORE YOU DIG!  
ONE CALL: (800) 332-2344  
OAR 952-001-0010 THROUGH  
OAR 952-001-0090



## RIDGEVIEW SUBDIVISION





# Oregon

Tina Kotek, Governor

Oregon Department of Transportation  
Region 3, District 8  
100 Antelope Road  
White City, OR 97503  
Phone (541) 774-6316  
FAX (541) 774-6397

FILE CODE:

**Date:** August 30, 2023

**File:**

**Address:** Kelly Sandow P.E.  
Sandow Engineering  
160 Madison Street, Suite A  
Eugene, OR 97402

**Subject:** Preliminary Traffic Impact Analysis Scope of Work:  
Ridge View Subdivision

The purpose of this letter is to define the scope of work for a Traffic Impact Study (TIS), which evaluates the impact for the Ridgeview Subdivision. The total acreage is approximately 22.00 acres and the project is proposing a 91-unit subdivision located north of Scandi Boulevard in Sutherlin Oregon. The site is currently zoned R1-Low Density Residential, and this is not a zone change. The information identifying the limits of the project shall be defined in the TIS and shall be pre -approved by the Sutherlin and ODOT before continuing the evaluation.

## Scope of Work:

### GENERAL

#### 1. Executive Summary

Provide a description of the development, site location and study area (including a site map). Briefly describe the purpose of the analysis, principal findings, recommendations and conclusions.

#### 2. Analysis Study Area

Provide a text description (including tax-lot descriptions) of the proposed development; and a graphic showing the intersections and access points to be evaluated as part of this analysis.

##### **A. Major Intersections to be evaluated:**

- a) *Dakota Street & Hwy 138*
- b) *Dovetail Lane & Hwy 138*
- c) *I-5 NB & SB Ramps & Hwy 138*

## **TRAFFIC DATA**

### **1. Traffic Counts**

For all major intersections where significant signal modifications or where signals are being proposed, the traffic volume counts shall be a minimum of 16-hours long, with 15-minute breakdowns in the A.M. and P.M. peak hours, unless pre-approved for a lesser time. Justification for deviation from these counts will be required. For all other intersections and approaches, the counts must be at least 3-hours long, made during both the morning and afternoon peaks, with 15-minute breakdowns. The morning peak hour occurs during 6:30 AM to 9:30 AM and the afternoon peak occurs during 3:30 PM to 6:30 PM. ODOT and the City are not aware of any “false” peaks for this area of the City. If there are indications of problems during these time frames, the traffic evaluation shall address all concerns.

Raw traffic volumes will not be accepted for use in traffic analysis. All traffic volumes shall be seasonally adjusted to represent the 30<sup>th</sup> Highest Hour Volumes (30HV) for the Current Year, each anticipated phase completion, and the Future Year “background traffic” conditions, all with and with-out the development. ODOT does not normally accept traffic volumes deviating more than 30% of the average volume. Justification for deviation will be required. For guidance, please refer to ODOT’s APM Analysis Procedure Manual v2 Chapter 5:

<http://www.oregon.gov/ODOT/Planning/Pages/APM.aspx>

### **2. Site Trip Generation, Distribution and Assignment**

Site trip generation shall utilize the most recent edition of the Institute of Transportation Engineers (ITE) Trip Generation Manual to estimate daily and peak hour trip volumes originating from and destined to the proposed development. In the case of an existing approval where specific land uses have not been identified, a reasonable worst-case land use scenario should be assumed based on the allowed uses under the current and requested zone(s). All assumptions and adjustments shall be documented and discussed in the TIS, or in an appendix. Trip generation may be adjusted with additional information and refinement. Pass-by, Diverted and Internal trips should be calculated based on ITE Trip Generation hand book.

This analysis should use available transportation models in conjunction with the City of Sutherlin Transportation System Plan and the Comprehensive Plan to estimate traffic distribution patterns. This TIS could be a significant amendment to the current Comprehensive Plan and the Transportation System Plan. Approved computer models, such as Vistro, or manual calculations may also be used for determining trip assignments for site-generated traffic volumes on roadways within the study area.

**Note: Pre-approval of trip generation and distribution parameters shall be obtained from ODOT prior to commencing the further analysis.**

## **ANALYSIS PROCEDURES**

For ODOT's *Analysis Procedures Manual* Refer to:  
<http://www.oregon.gov/ODOT/Planning/Pages/APM.aspx>

and for ODOT's *Development Review Guidelines* Refer to:  
<http://www.oregon.gov/ODOT/Planning/Documents/Development-Review-Guidelines.pdf>

### **1. Capacity Analysis**

Capacity analysis of signalized intersections, unsignalized intersections, and roadway segments shall follow the established methodologies of the current Highway Capacity Manual (HCM 6<sup>th</sup> Edition). For signalized intersections, the overall intersection V/C shall be reported which will require manual calculations in accordance with the HCM 6<sup>th</sup> Edition. For unsignalized intersections, the highest approach V/C shall be reported, along with an indication of its corresponding movement and the related impacts created by the development.

Attached **Table 3.3.7** lists the ODOT default values for use in signalized intersection analysis. If multiple intersections are analyzed, the traffic volumes shall be balanced between intersection nodes. All intersection capacity analyses shall include heavy vehicles percentages by approach, as determined from manual counts. Planning level mobility results (V/C) from the TIS will be compared against Highway Mobility Standards (Policy 1F) and the Maximum V/C Ratios provided in Table 6 of the 1999 Oregon Highway Plan (OHP).

Application of Computer software shall closely follow ODOT-approved analysis methodologies using ODOT standard parameter values. HCS 7 and Synchro/SimTraffic are examples of accepted analysis software. For further guidance, contact ODOT's Transportation Planning Analysis Unit (TPAU).

### **2. Queue Length Analysis**

Intersection operation analysis shall include the effects of queuing and blocking. Average queue lengths and 95<sup>th</sup> Percentile queue lengths shall be reported for all study area intersections. The 95<sup>th</sup> Percentile queuing shall be used for design purposes, and will be reported to the next highest 25 foot increment. Any methodology used to determine queue length shall be approved in advance by either TPAU or the Region Traffic Section.

## **ANALYSIS REQUIREMENTS**

### **1. Intersection Sight Distance**

Adequate intersection sight distance shall be verified for all proposed intersections and highway approaches as required in ODOT's 2012 Highway Design Manual. Refer to:  
<http://www.oregon.gov/ODOT/Engineering/Pages/Hwy-Design-Manual.aspx>

For guidance, please contact the Region Access Management Engineer.

### **2. Traffic Signal Installations & Modifications**

Analysis and recommendations related to new and/or modified traffic signals shall follow ODOT's Traffic Signal Policy and Guidelines, and all subsequent revisions. These documents can found on the web at:

<http://www.oregon.gov/ODOT/Engineering/Pages/Signal-Design-Manual.aspx>

**Preliminary traffic signal warrants need to be checked for the intersection of Dakota Street & Hwy 138. As part of the signal analysis, a round-about will be consider first, and justified or eliminated before a signal can then be pursued.**

New signal proposals shall show, but are not limited to, the following:

- a) A clear indication for the traffic signal; only after other enhancements to nearby signals or intersections are shown to be insufficient to mitigate the new highway related impacts resulting from the proposed project.
- b) An assessment of the ability of the existing, planned, and proposed public roads to accommodate proposed project traffic at another location.
- c) A detailed description how the proposed project will affect the existing and proposed study area intersections.
- d) Documentation of traffic volumes and signal warrant satisfaction; if a new signal is determined to be the correct solution.

Traffic signal spacing requirements shall conform to the 1999 Oregon Highway Plan and all amendments.

All proposed signals shall show the need and warrants as described in Oregon Administrative Rule 734-020-0400-0500, the Oregon Traffic Manual section 6.34 and the above mentioned Traffic Signal Policy and Guidelines. For guidance, please contact TPAU or the Region Traffic Section, or refer to the Preliminary Signal Warrant Guidelines at:

<http://www.oregon.gov/ODOT/Engineering/Pages/Signal-Design-Manual.aspx>

**NOTE:** It is ultimately up to the State Traffic Engineer to approve all signal installations, modifications and deviations. Just because an intersection may meet the MUTCD Warrants does not insure it will be approved by the State Traffic Engineer.

## **ANALYSIS OUTPUT**

### **1. Existing Conditions**

Identify current year site conditions at the proposed development location. This includes, but is not limited to the following:

- a) A description of the site location, zoning, existing use(s), and proposed use(s) of subject property.
- b) A description of surrounding and anticipated land uses.
- c) A graphic identifying existing lane configurations and traffic control devices at the study area intersections
- d) A graphic showing existing 30HV traffic; reported as AM (6:30-9:30 a.m.) and PM (3:30-6:30 p.m.) Peak Hour Volumes (PHV), and also as average daily traffic (ADT). Also include in this graphic a list of heavy vehicle percentages by approach and growth rates used for future volumes.
- e) Identify all proposed road segments, public intersections, public or private approaches:
  - where the proposed project can be expected to add additional traffic volumes greater than 20 percent of the current traffic volumes,
  - or at a minimum 500 vehicle trips in a single day,

- or more than 50 additional vehicle trips in any single hour.
- f) An analysis of existing intersection operations, reported in terms of both Volume to Capacity (V/C) and Level of Service (LOS).
- g) Intersection Crash analysis should refer to the HSM procedures in APM Chapter 4:  
[http://www.oregon.gov/ODOT/Planning/Documents/APMv2\\_Ch4.pdf](http://www.oregon.gov/ODOT/Planning/Documents/APMv2_Ch4.pdf)

## **2. Traffic Volumes & Operations – Year of Opening and Years of Anticipated Phases; with & without Proposed Development**

An analysis shall be made of all study area intersections for the Year of Opening and each anticipated phase, with both “*background traffic*” and “*total traffic*” conditions. “*Total traffic*” conditions are considered “*background traffic*” volumes plus site generated trips and “pipe line” trips. This analysis should provide the following:

- a) A graphic showing Year of phase “*background traffic*” and “*total traffic*” volumes.
- b) A graphic or table showing V/C and LOS analysis results for both “*background traffic*” and “*total traffic*” volumes.
- c) A graphic or table itemizing storage length requirements for all approaches, rounded to the next nearest 25 foot increment.
- d) If applicable, a discussion of progression performance along the analysis corridor.

## **3. Traffic Volumes & Operations – Future-Year; with & without Proposed Development**

An analysis shall be made of all study area intersections for a **5-year horizon without zone change or 20-year horizon for zone change**. This should be including each completed phase, anticipated development in the surrounding area, and all anticipated improvements on the transportation system for both “*background traffic*” and “*total traffic*” conditions. This analysis should provide the following:

- a) A graphic showing Year of Opening “*background traffic*” and “*total traffic*” volumes.
- b) A graphic or table showing V/C and LOS analysis results for both “*background traffic*” and “*total traffic*” volumes.
- c) A graphic or table itemizing storage length requirements for all approaches, rounded to the next highest 25 foot increment.
- d) If applicable, a discussion of progression performance along the analysis corridor.

Planned transportation system improvements anticipated within the **5-year horizon without zone change or 20-year horizon for zone change**. This shall be incorporated into the Future Year analysis. Do not incorporate improvements that are proposed as mitigation for the development. For guidance, Please refer to the Transportation Planning Rule (TPR) OAR 660-012-0060 at [http://transnet.odot.state.or.us/hwy/region2/Shared%20Documents/Development%20Review%20Docs/OAR\\_660\\_012\\_0060.pdf](http://transnet.odot.state.or.us/hwy/region2/Shared%20Documents/Development%20Review%20Docs/OAR_660_012_0060.pdf)

## **4. Capacity & Operation Analysis Inputs**

A summary of traffic analysis variable inputs shall be provided in an appendix. In Synchro, the ***Int: Lanes, Volumes, Timings*** report is the output source for this information. TIS’s submitted without an input summary will not be accepted by the Department.

## **5. Conclusions and Recommendations**

Summarize existing and future conditions and discuss the proposed development's impacts. Identify any operational, capacity or safety deficiencies and recommend mitigation along with the effectiveness of the mitigation. Summarize how the proposed development complies with all operational, capacity and safety standards in the applicable approval criteria. Also summarize all proposed mitigations and the "assigned" proportionality to the development for all locations.

***Note: Signal timing adjustments will not be considered as mitigation.***

Please submit three stamped, final hard copy versions of the TIA for review to ODOT. Also, **please submit all electronic analysis files for review** to ODOT so staff can verify assumptions, default settings, and other values included in the traffic analysis. If the analysis performed used traffic software other than Trafficware's Synchro/Simtraffic software or Highway Capacity Manual 6<sup>th</sup> Edition software, please submit the appropriate UTDF (.csv) files for review. You may contact the Region Traffic Analyst for details. ODOT staff will need a minimum of 30 days for review and comment on the TIA.

***Please include this scope of work as an appendix item in the TIA.***

We hope this will provide enough information to get started on the analysis. We are pleased to work with you and your staff to answer any questions that arise during the course of your work. Additional coordination of traffic analysis data may be required during the TIA review process.

Please contact me directly at 541-315-5208 if you have comments, questions, or require additional information regarding traffic engineering issues or contact Mr. Micah Horowitz, ODOT Development Review Planner, at 541-315-5208, if you have comments, questions, or require additional information regarding land use issues. Mr. Horowitz will serve as the lead ODOT Development Review contact for this project.

Sincerely,



Wei (Michael) Wang, P.E. & M.S.  
Interim Region 3 Access Management Engineer

**Default  
Signal  
Parameters**

<b>Table 3.3.7: ODOT Default Parameters for Use With Signalized Intersection Analysis Methodologies</b>	
Total Lost Time	4 seconds per phase minimum for typical intersections, more for large or complex intersections.
Peak Hour Factor	<p>For future year analysis:</p> <ul style="list-style-type: none"> <li>• 0.95 for major arterial-major arterial;</li> <li>• 0.92 for major arterial-minor arterial;</li> <li>• 0.90 for minor arterial-minor arterial;</li> <li>• 0.88 for minor arterial-collector;</li> <li>• 0.85 for collector-collector or lower classification</li> </ul> <p>Unless better information is available, such as for a school or industrial use.</p>
Ideal Saturation Flow Rate	<p>Field measurement should be consistent with methodology laid out in the HCM 2010. Saturation flow rate worksheets must be included in the documentation.</p> <p>Where field measurements are not done,</p> <ul style="list-style-type: none"> <li>• Outside of the Portland, Salem and Eugene MPO urban areas the unadjusted saturation flow rate is 1750 passenger cars per hour of green per lane (pcphgl).</li> <li>• Inside the Portland, Salem and Eugene MPO urban growth boundaries an unadjusted saturation flow rate of 1900 pcphgl may be used, unless one or more of the following conditions is present, in which case 1750 pcphgl shall be used. Conditions indicating use <ul style="list-style-type: none"> <li>• On-street parking</li> <li>• Greater than 5% trucks</li> <li>• Roadways intersect at severe skew angle</li> <li>• One or more driveway approach(es) with a combined volume in excess of 5 vph, are present downstream of the intersection within the functional area (see Chapter 4) or upstream within the length of the standing queue</li> <li>• Poor signal spacing or observed queue spillbacks between signals during the peak hour, or</li> <li>• Less than 12 foot travel lanes</li> </ul> </li> </ul>







# Oregon

Tina Kotek, Governor

Department of Transportation  
Region 3 Planning and Programming  
100 Antelope Drive  
White City, Oregon 97503  
Phone: (541) 774-6299

## Exhibit A

1. Interstate 5 Southbound Ramps: The applicant shall install a traffic signal and eastbound right-turn lane on OR 138W prior to City issuance of Certificate of Occupancy for ASKC's Phase 1. Phase 1 shall not exceed 140 single family units or 1,340 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips.
2. Dovetail Lane Intersection: The applicant shall install a westbound right-turn lane on OR138W prior to City issuance of Certificate of Occupancy for ASKC Phase 2. Phase 2 shall not exceed 140 single family units or 1,340 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips.
3. Dovetail Lane Intersection: The applicant shall install a raised median on OR 138W to restrict access to right-in/right-out and install a new east-west Collector Street connection from Dovetail Lane to Stearns Lane prior to City issuance of Certificate of Occupancy for ASKC Phase 3. Phase 3 shall not to exceed 140 single family units or 1,340 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips.
4. Interstate 5 Southbound Ramps: The applicant shall install an Exit 136 southbound exit ramp in the northwest quadrant and install a traffic signal or roundabout at OR138W/Dakota Street intersection prior to City issuance of Certificate of Occupancy for ASKC Phase 4. Phase 4 shall not exceed 130 single family units or 1,244 average daily trips, 100 multi-family units or 586 average daily trips and 16 industrial park acres or 1,010 average daily trips. The Phase 4 traffic signal improvement shall relocate the temporary traffic signal installed at the southbound ramps for ASKC Phase 1.

Note that all Interstate 5 southbound ramp improvements must be constructed to conform to OAR 734, Division 20. All traffic signal improvements need to conform to the Traffic Signal Approval Process as established by Oregon Administrative Rules 734-020-0400 to 0490 and the Oregon Traffic Manual, Chapter 6.34. The required signal investigation documentation is the responsibility of the applicant. The documentation is to be submitted to the State Traffic Engineer for approval through the Region 3 Traffic Section.

## RIDGEVIEW SUBDIVISION

CRASH DATA SUMMARY

5821 Sutherlandin Zone Change

Central Ave @ NB I5 Ramps											
YEAR	PDO	INJURY	FATAL	HEAD	REAR	SIDE	TURN	OTHER	PED	BIKE	TOTAL
2017											0
2018											0
2019		1								1	1
2020											0
2021	1							1			1

TOTALS: 1 1 0 0 0 0 0 0 1 0 1 2

Central @ Parkhill											
YEAR	PDO	INJURY	FATAL	HEAD	REAR	SIDE	TURN	OTHER	PED	BIKE	TOTAL
2017											0
2018		1					1				1
2019											0
2020											0
2021	1						1				1

TOTALS: 1 1 0 0 0 0 0 2 0 0 0 2

Dovetail @ Central											
YEAR	PDO	INJURY	FATAL	HEAD	REAR	SIDE	TURN	OTHER	PED	BIKE	TOTAL
2017		1				1					1
2018											0
2019	1							1			1
2020	2	1	1		1		1	2			4
2021	1						1				1

TOTALS: 4 2 1 0 1 1 2 3 0 0 0 7

Dakota @ Central Ave											
YEAR	PDO	INJURY	FATAL	HEAD	REAR	SIDE	TURN	OTHER	PED	BIKE	TOTAL
2017		2					2				2
2018	1						1				1
2019											0
2020	1						1				1
2021		1					1				1

TOTALS: 2 3 0 0 0 0 0 5 0 0 0 5

CHECK
OK
OK
OK
OK
OK
OK

CHECK
OK
OK
OK
OK
OK
OK

CHECK
OK
OK
OK
OK
OK
OK

CHECK
OK
OK
OK
OK
OK
OK

P.M. PEAK HOUR	Number of Years, n	ADT	AVG. ANNUAL MILES (MILLIONS)	AVG. YEARLY CRASHES	CRASH RATE/ MILLION MILES
1310	5	13100	4781500.000	400000.0	0.08

REAR					
TURN					
BIKE	S-N / E-W				
OTHER	E-SE				

P.M. PEAK HOUR	Number of Years, n	ADT	AVG. ANNUAL MILES (MILLIONS)	AVG. YEARLY CRASHES	CRASH RATE/ MILLION MILES
1210	5	12100	4416500.000	1000000.0	0.23

REAR					
TURN	W-E / S-W	W-E / E-S			
BIKE					
OTHER					

P.M. PEAK HOUR	Number of Years, n	ADT	AVG. ANNUAL MILES (MILLIONS)	AVG. YEARLY CRASHES	CRASH RATE/ MILLION MILES
675	5	6750	2463750.000	1400000.0	0.57

REAR	SE-NW / SE-NW				
TURN	SE-NW / SE-SW	SE-SW / SE-NW			
SIDE	NW-SE / NW-SE				
OTHER	SE-NW	2 NE-SW			

P.M. PEAK HOUR	Number of Years, n	ADT	AVG. ANNUAL MILES (MILLIONS)	AVG. YEARLY CRASHES	CRASH RATE/ MILLION MILES
258	5	2580	941700.000	1000000.0	1.06

REAR					
TURN	3 N-E / E-W	2 E-W / N-E			
BIKE					
OTHER					

		# Crashes	ADT	MEV	Crash Rate	Critical Crash Rate	
1 Central Ave @ NB I5 Ramps	Stop	2	13100	23.91	0.08	0.56	under
2 Dovetail @ Central	Stop	7	6750	12.32	0.57	0.66	under
3 Dakota @ Central Ave	Stop	5	2580	4.71	1.06	0.89	over
4 Central @ Parkhill	Signal	2	12100	22.08	0.09	0.22	under
5	0 Stop	0	0	0.00	#DIV/0!	#DIV/0!	#DIV/0!
6	0 Stop	0	0	0.00	#DIV/0!	#DIV/0!	#DIV/0!
7	0 Stop	0	0	0.00	#DIV/0!	#DIV/0!	#DIV/0!

Weighted Average

Signal	2	22.08	0.090569455
Stop	14	40.93	0.342007707



CITY OF SUTHERLIN, DOUGLAS COUNTY

CENTRAL AVE at NB ENFR CENTRAL, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021



06/15/2023

## TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT

## CRASH SUMMARIES BY YEAR BY COLLISION TYPE

CENTRAL AVE at NB ENFR CENTRAL, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
YEAR: 2021														
FIXED / OTHER OBJECT	0	0	1	1	0	0	0	1	0	1	0	1	0	1
YEAR 2021 TOTAL	0	0	1	1	0	0	0	1	0	1	0	1	0	1
FINAL TOTAL	0	0	1	1	0	0	0	1	0	1	0	1	0	1

Disclaimer: The information contained in this report is compiled from individual driver and police crash reports submitted to the Oregon Department of Transportation as required in ORS 811.720. The Crash Analysis and Reporting Unit is committed to providing the highest quality crash data to customers. However, because submittal of crash report forms is the responsibility of the individual driver, the Crash Analysis and Reporting Unit can not guarantee that all qualifying crashes are represented nor can assurances be made that all details pertaining to a single crash are accurate. Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.





06/15/2023

## TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT

## CRASH SUMMARIES BY YEAR BY COLLISION TYPE

CENTRAL AVE at NB EXTO CENTRAL, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
YEAR: 2019														
ANGLE	0	1	0	1	0	1	0	1	0	1	0	1	0	0
YEAR 2019 TOTAL	0	1	0	1	0	1	0	1	0	1	0	1	0	0
FINAL TOTAL	0	1	0	1	0	1	0	1	0	1	0	1	0	0

Disclaimer: The information contained in this report is compiled from individual driver and police crash reports submitted to the Oregon Department of Transportation as required in ORS 811.720. The Crash Analysis and Reporting Unit is committed to providing the highest quality crash data to customers. However, because submittal of crash report forms is the responsibility of the individual driver, the Crash Analysis and Reporting Unit can not guarantee that all qualifying crashes are represented nor can assurances be made that all details pertaining to a single crash are accurate. Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

OREGON.. DEPARTMENT OF TRANSPORTATION - TRANSPORTATION DEVELOPMENT DIVISION  
TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT  
URBAN NON-SYSTEM CRASH LISTING

CITY OF SUTHERLIN, DOUGLAS COUNTY

SB EX-EN CENTRAL at CENTRAL AVE, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021

1 - 2 of 2 Crash records shown.

[illegible]

CITY OF SUTHERLIN, DOUGLAS COUNTY

SB EX-EN CENTRAL at CENTRAL AVE, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021

06/15/2023

## TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT

## CRASH SUMMARIES BY YEAR BY COLLISION TYPE

SB EX-EN CENTRAL at CENTRAL AVE, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
<b>YEAR: 2021</b>														
TURNING MOVEMENTS	0	0	1	1	0	0	0	0	1	0	1	1	0	0
<b>YEAR 2021 TOTAL</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>YEAR: 2018</b>														
TURNING MOVEMENTS	0	1	0	1	0	2	0	1	0	1	0	1	0	0
<b>YEAR 2018 TOTAL</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>FINAL TOTAL</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>

Disclaimer: The information contained in this report is compiled from individual driver and police crash reports submitted to the Oregon Department of Transportation as required in ORS 811.720. The Crash Analysis and Reporting Unit is committed to providing the highest quality crash data to customers. However, because submittal of crash report forms is the responsibility of the individual driver, the Crash Analysis and Reporting Unit can not guarantee that all qualifying crashes are represented nor can assurances be made that all details pertaining to a single crash are accurate. Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.





CITY OF SUTHERLIN, DOUGLAS COUNTY

DAKOTA ST and CENTRAL AVE, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021





07/28/2023

## TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT

## CRASH SUMMARIES BY YEAR BY COLLISION TYPE

DAKOTA ST and CENTRAL AVE, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
<b>YEAR: 2021</b>														
ANGLE	0	1	0	1	0	1	0	1	0	1	0	1	0	0
<b>YEAR 2021 TOTAL</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>YEAR: 2020</b>														
TURNING MOVEMENTS	0	0	1	1	0	0	0	1	0	1	0	1	0	0
<b>YEAR 2020 TOTAL</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>YEAR: 2018</b>														
TURNING MOVEMENTS	0	0	1	1	0	0	0	1	0	1	0	1	0	0
<b>YEAR 2018 TOTAL</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>YEAR: 2017</b>														
TURNING MOVEMENTS	0	2	0	2	0	5	0	1	1	2	0	2	0	0
<b>YEAR 2017 TOTAL</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>
<b>FINAL TOTAL</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>

Disclaimer: The information contained in this report is compiled from individual driver and police crash reports submitted to the Oregon Department of Transportation as required in ORS 811.720. The Crash Analysis and Reporting Unit is committed to providing the highest quality crash data to customers. However, because submittal of crash report forms is the responsibility of the individual driver, the Crash Analysis and Reporting Unit can not guarantee that all qualifying crashes are represented nor can assurances be made that all details pertaining to a single crash are accurate. Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

CITY OF SUTHERLIN, DOUGLAS COUNTY

DOVETAIL LN and CENTRAL AVE, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021

1 - 4 of 7 Crash records shown.

SER#	P	R	J	S	W	DATE	CLASS	CITY	STREET	INT-TYPE	SPCL	USE																						
INVEST	E	A	U	I	C	O	DAY	DIST	FIRST STREET	RD CHAR	(MEDIAN)	INT-REL	OFFRD	WTHR	CRASH	TRLR	QTY	MOVE	A S															
RD DPT	E	L	G	N	H	R	TIME	FROM	SECOND STREET	DIRECT	LEGS	TRAF-	RNDBT	SURF	COLL	OWNER	FROM	PRTC	INJ	G	E	LICNS	PED											
UNLOC?	D	C	S	V	L	K	LAT	LONG	LRS	LOCTN	(#LANES)	CONTL	DRVWY	LIGHT	SVRTY	V#	TYPE	TO	P#	TYPE	SVRTY	E	X	RES	LOC	ERROR	ACT	EVENT	CAUSE					
00093	N	N	N	N	N	N	02/03/2020	16	DOVETAIL LN	INTER	CROSS	N	N	CLR	S-1STOP	01	NONE	STRGHT																
CITY							MO		CENTRAL AVE	SE		NONE	N	DRY	REAR		PRVTE	SE-NW																
N							10A			06	0		N	DAY	INJ		PSNGR CAR		01	DRVR	INJB	33	F	OR-Y		043	000		07,29					
N							43 23 32.56 -123 21 27.56		023100100S00																									
														02	NONE	STOP																		
														PRVTE	SE-NW																			
														PSNGR CAR		01	DRVR	NONE	47	M	OR-Y		000	000		00								
																				OR<25														
														02	NONE	STOP																		
														PRVTE	SE-NW																			
														PSNGR CAR		02	PSNG	INJB	47	F			000	000		00								
00414	N	N	N	N	N	N	06/08/2020	16	DOVETAIL LN	INTER	CROSS	N	Y	CLR	FIX OBJ	01	NONE	9	STRGHT															
CITY							MO		CENTRAL AVE	NW		UNKNOWN	N	DRY	FIX		N/A	SE-NW																
N							11A			05	0		N	DAY	PDO		PSNGR CAR		01	DRVR	NONE	00	Unk	UNK		000	000		00					
N							43 23 32.56 -123 21 27.56		023100100S00																									
00840	Y	N	Y	N	N	N	09/29/2020	16	DOVETAIL LN	INTER	CROSS	N	N	CLR	S-1TURN	01	NONE	0	STRGHT															
STATE							TU		CENTRAL AVE	CN		STOP SIGN	N	DRY	TURN		PRVTE	SE-NW																
N							1P			03	0		N	DAY	FAT		MTRCYCLE		01	DRVR	KILL	34	M	SUSP		034,047	000	001	06,01					
N							43 23 32.56 -123 21 27.56		023100100S00																									
														01	NONE	0	STRGHT																	
														PRVTE	SE-NW																			
														MTRCYCLE		02	PSNG	KILL	27	F			000	000	001	00								
														02	NONE	0	TURN-L																	
														PRVTE	SE-SW																			
														PSNGR CAR		01	DRVR	INJA	45	F	OR-Y		000	000		00								
																				OR<25														
														02	NONE	0	TURN-L																	
														PRVTE	SE-SW																			
														PSNGR CAR		02	PSNG	INJC	68	F			000	000		00								
00945	N	N	N	N			10/04/2021	16	DOVETAIL LN	INTER	CROSS	N	N	CLR	S-1TURN	01	NONE	9	TURN-L															
NO RPT							MO		CENTRAL AVE	CN		STOP SIGN	N	DRY	TURN		N/A	SE-SW																
N							10A			01	0		N	DAY	PDO		PSNGR CAR		01	DRVR	NONE	00	Unk	UNK		000	000		00					
N							43 23 32.55 -123 21 27.57		023100100S00																									
														02	NONE	9	STRGHT																	
														N/A	SE-NW																			
														PSNGR CAR		01	DRVR	NONE	00	Unk	UNK		000	000		00								
																				UNK														

Disclaimer: The information contained in this report is compiled from individual driver and police crash reports submitted to the Oregon Department of Transportation as required in ORS 811.720. The Crash Analysis and Reporting Unit is committed to providing the highest quality crash data to customers. However, because submittal of crash report forms is the responsibility of the individual driver, the Crash Analysis and Reporting Unit can not guarantee that all qualifying crashes are represented nor can assurances be made that all details pertaining to a single crash are accurate. Note: Legislative changes to DMV's vehicle crash reporting requirement, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

CITY OF SUTHERLIN, DOUGLAS COUNTY

DOVETAIL LN and CENTRAL AVE, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021







07/28/2023

## TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT

## CRASH SUMMARIES BY YEAR BY COLLISION TYPE

DOVETAIL LN and CENTRAL AVE, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021

COLLISION TYPE	FATAL CRASHES	NON- FATAL CRASHES	PROPERTY DAMAGE ONLY	TOTAL CRASHES	PEOPLE KILLED	PEOPLE INJURED	TRUCKS	DRY SURF	WET SURF	DAY	DARK	INTER- SECTION	INTER- SECTION RELATED	OFF- ROAD
<b>YEAR: 2021</b>														
TURNING MOVEMENTS	0	0	1	1	0	0	0	1	0	1	0	1	0	0
<b>YEAR 2021 TOTAL</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
<b>YEAR: 2020</b>														
FIXED / OTHER OBJECT	0	0	2	2	0	0	0	1	1	2	0	1	0	2
REAR-END	0	1	0	1	0	2	0	1	0	1	0	1	0	0
TURNING MOVEMENTS	1	0	0	1	2	2	0	1	0	1	0	1	0	0
<b>YEAR 2020 TOTAL</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>2</b>
<b>YEAR: 2019</b>														
FIXED / OTHER OBJECT	0	0	1	1	0	0	0	1	0	1	0	0	0	1
<b>YEAR 2019 TOTAL</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
<b>YEAR: 2017</b>														
SIDESWIPE - OVERTAKING	0	1	0	1	0	1	0	1	0	0	1	0	0	0
<b>YEAR 2017 TOTAL</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>FINAL TOTAL</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>7</b>	<b>2</b>	<b>5</b>	<b>0</b>	<b>6</b>	<b>1</b>	<b>6</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>3</b>

Disclaimer: The information contained in this report is compiled from individual driver and police crash reports submitted to the Oregon Department of Transportation as required in ORS 811.720. The Crash Analysis and Reporting Unit is committed to providing the highest quality crash data to customers. However, because submittal of crash report forms is the responsibility of the individual driver, the Crash Analysis and Reporting Unit can not guarantee that all qualifying crashes are represented nor can assurances be made that all details pertaining to a single crash are accurate. Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.



CITY OF SUTHERLIN, DOUGLAS COUNTY

PARKHILL LN at SB EX-EN CENTRAL, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021

TRANSPORTATION DATA SECTION - CRASH ANALYSIS AND REPORTING UNIT

CRASH SUMMARIES BY YEAR BY COLLISION TYPE

PARKHILL LN at SB EX-EN CENTRAL, City of Sutherlin, Douglas County, 01/01/2017 to 12/31/2021

COLLISION TYPE	FATAL	NON-	PROPERTY	TOTAL	PEOPLE	PEOPLE	TRUCKS	DRY	WET	DAY	DARK	INTER-	SECTION	OFF-
	CRASHES	FATAL	DAMAGE											
		CRASHES	ONLY	CRASHES	KILLED	INJURED		SURF	SURF			SECTION	RELATED	ROAD
FINAL TOTAL														

Disclaimer: The information contained in this report is compiled from individual driver and police crash reports submitted to the Oregon Department of Transportation as required in ORS 811.720. The Crash Analysis and Reporting Unit is committed to providing the highest quality crash data to customers. However, because submittal of crash report forms is the responsibility of the individual driver, the Crash Analysis and Reporting Unit can not guarantee that all qualifying crashes are represented nor can assurances be made that all details pertaining to a single crash are accurate. Note: Legislative changes to DMV's vehicle crash reporting requirements, effective 01/01/2004, may result in fewer property damage only crashes being eligible for inclusion in the Statewide Crash Data File.

## RIDGEVIEW SUBDIVISION



Intersection: 1: I-5 NB On Off Ramps @ W Central Ave City: Sutherlin, OR																									
Counter: Quality Counts													Date: Thursday, June 30, 2022												
Total of All Vehicles																									
Time Period		Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians					
		Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB		
6:30	6:45	0	0	0	0	14	50	0	64	28	0	26	54	0	31	6	37	155	617	0	0	0	0		
6:45	7:00	0	0	0	0	14	54	0	68	21	0	18	39	0	37	5	42	149		0	0	0	0		
7:00	7:15	0	0	0	0	19	52	0	71	28	0	15	43	0	23	5	28	142		0	0	0	0		
7:15	7:30	0	0	0	0	20	62	0	82	25	0	18	43	0	40	6	46	171		0	0	0	0		
7:30	7:45	0	0	0	0	12	79	0	91	17	0	7	24	0	45	6	51	166		628	0	0	0	0	
7:45	8:00	0	0	0	0	16	75	0	91	29	0	28	57	0	47	10	57	205	684	0	0	0	0		
8:00	8:15	0	0	0	0	18	62	0	80	28	0	16	44	0	41	9	50	174	716	0	0	0	0		
8:15	8:30	0	0	0	0	20	65	0	85	26	0	26	52	0	51	6	57	194	739	0	0	0	0		
8:30	8:45	0	0	0	0	18	70	0	88	26	0	24	50	0	43	8	51	189	762	0	0	0	0		
8:45	9:00	0	0	0	0	25	75	0	100	24	0	38	62	0	78	4	82	244	801	0	0	0	0		
9:00	9:15	0	0	0	0	23	82	0	105	28	0	20	48	0	58	5	63	216	843	0	0	0	0		
9:15	9:30	0	0	0	0	24	67	0	91	27	0	42	69	0	59	7	66	226	875	0	0	0	0		
Count Period Total		0	0	0		223	793	0		307	0	278		0	553	77		2231		0	0	0	0		
PM Peak Hour Count Summary																									
Peak Volumes	Southbound			Approach	Westbound			Approach	Northbound			Approach	Eastbound			Approach	Total	PHF	Pedestrians						
	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total			SB	WB	NB	EB			
	0	0	0	0	81	272	0	353	104	0	104	208	0	213	27	240			801	0	0	0	0		
	0.00	0.00	0.00	0.00	0.81	0.91	0.00	0.88	0.93	0.00	0.68	0.84	0.00	0.68	0.75	0.73			0.82						
Trucks	0	0	0		11	20	0		5	0	23		0	16	7										
% Trucks	0%	0%	0%		14%	7%	0%		5%	0%	22%		0%	8%	26%										



1: I-5 NB On Off Ramps @ W Central Ave

Pedestrians and Cars

Time Period	Southbound					Westbound					Northbound					Eastbound					15 Minute Volume	Hourly Volume
	Peds	Right	Thru	Left		Peds	Right	Thru	Left		Peds	Right	Thru	Left		Peds	Right	Thru	Left			
6:30 AM							13	45				27		18				24	4		131	
6:45 AM							12	50				16		17				36	3		134	
7:00 AM							16	46				27		10				21	2		122	
7:15 AM							18	56				21		17				35	5		152	539
7:30 AM							12	75				13		6				40	6		152	560
7:45 AM							14	72				29		19				44	8		186	612
8:00 AM							15	61				25		14				39	7		161	651
8:15 AM							17	58				25		19				44	4		167	666
8:30 AM							16	66				25		20				42	6		175	689
8:45 AM							22	67				24		28				72	3		216	719
9:00 AM							22	80				26		17				52	4		201	759
9:15 AM							21	64				27		35				53	7		207	799
Total	0	0	0	0		0	198	740	0		0	285	0	220		0	0	502	59			
Peak Hour	0	0	0	0		0	70	252	0		0	99	0	81		0	0	197	20		719	

Trucks

Time Period	Southbound					Westbound					Northbound					Eastbound				15 Minute Volume	Hourly Volume
	Right	Thru	Left			Right	Thru	Left			Right	Thru	Left			Right	Thru	Left			
6:30 AM						1	5				1		8			7	2			24	
6:45 AM						2	4				5		1			1	2			15	
7:00 AM						3	6				1		5			2	3			20	
7:15 AM						2	6				4		1			5	1			19	78
7:30 AM						0	4				4		1			5	0			14	68
7:45 AM						2	3				0		9			3	2			19	72
8:00 AM						3	1				3		2			2	2			13	65
8:15 AM						3	7				1		7			7	2			27	73
8:30 AM						2	4				1		4			1	2			14	73
8:45 AM						3	8				0		10			6	1			28	82
9:00 AM						1	2				2		3			6	1			15	84
9:15 AM						3	3				0		7			6	0			19	76
Total	0	0	0			25	53	0			22	0	58			0	51	18			
Peak Hour	0	0	0			11	20	0			5	0	23			0	16	7		82	

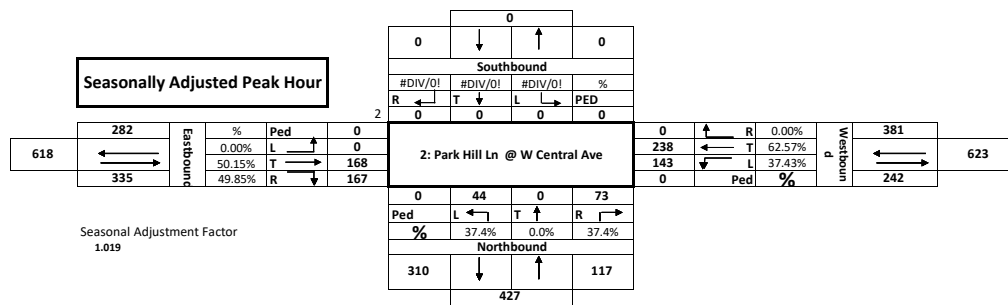
Bikes

Time Period	Southbound					Westbound					Northbound					Eastbound				SB	WB	NB	EB
	Right	Thru	Left			Right	Thru	Left			Right	Thru	Left			Right	Thru	Left					
6:30 AM																				0	0	0	0
6:45 AM																				0	0	0	0
7:00 AM																				0	0	0	0
7:15 AM																				0	0	0	0
7:30 AM																				0	0	0	0
7:45 AM																				0	0	0	0
8:00 AM																				0	0	0	0
8:15 AM																				0	0	0	0
8:30 AM																				0	0	0	0
8:45 AM																				0	0	0	0
9:00 AM																				0	0	0	0
9:15 AM																				0	0	0	0
Total	0	0	0			0	0	0			0	0	0			0	0	0		0	0	0	0
Peak Hour	0	0	0			0	0	0			0	0	0	0		0	0	0		0	0	0	0

Pedestrians

Time Period	NE				NW				SW				SE			SB	WB	NB	EB
	Left	Right	Total		Left	Right	Total		Left	Right	Total		Left	Right	Total				
6:30 AM			0				0				0				0	0	0	0	0
6:45 AM			0				0				0				0	0	0	0	0
7:00 AM			0				0				0				0	0	0	0	0
7:15 AM			0				0				0				0	0	0	0	0
7:30 AM			0				0				0				0	0	0	0	0
7:45 AM			0				0				0				0	0	0	0	0
8:00 AM			0				0				0				0	0	0	0	0
8:15 AM			0				0				0				0	0	0	0	0
8:30 AM			0				0				0				0	0	0	0	0
8:45 AM			0				0				0				0	0	0	0	0
9:00 AM			0				0				0				0	0	0	0	0
9:15 AM			0				0				0				0	0	0	0	0
Total	0	0	0		0	0	0		0	0	0		0	0	0	0	0	0	0
Peak Hour	0	0	0		0	0	0		0	0	0		0	0	0	0	0	0	0

Intersection: 2: Park Hill Ln @ W Central Ave														City: Sutherlin, OR											
Counter: Quality Counts														Date: Thursday, June 30, 2022											
Total of All Vehicles																									
Time Period		Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians					
		Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB		
6:30	6:45	0	0	0	0	0	52	20	72	12	0	19	31	26	25	0	51	154		0	0	0	0		
6:45	7:00	0	0	0	0	0	50	21	71	11	0	19	30	33	31	0	64	165		0	0	0	0		
7:00	7:15	0	0	0	0	0	32	35	67	10	0	16	26	36	19	0	55	148		0	0	0	0		
7:15	7:30	0	0	0	0	0	50	33	83	16	0	14	30	27	29	0	56	169	636	0	0	0	0		
7:30	7:45	0	0	0	0	0	34	47	81	20	0	12	32	59	30	0	89	202	684	0	0	0	0		
7:45	8:00	0	0	0	0	0	58	45	103	12	0	9	21	52	46	0	98	222	741	0	0	0	0		
8:00	8:15	0	0	0	0	0	48	30	78	12	0	8	20	44	35	0	79	177	770	0	0	0	0		
8:15	8:30	0	0	0	0	0	62	30	92	19	0	7	26	30	39	0	69	187	788	0	0	0	0		
8:30	8:45	0	0	0	0	0	55	44	99	14	0	11	25	53	35	0	88	212	798	0	0	0	0		
8:45	9:00	0	0	0	0	0	69	36	105	27	0	17	44	37	56	0	93	242	818	0	0	0	0		
9:00	9:15	0	0	0	0	0	54	51	105	23	0	10	33	43	39	0	82	220	861	0	0	0	0		
9:15	9:30	0	0	0	0	0	74	34	108	18	0	6	24	36	47	0	83	215	889	0	0	0	0		
Count Period Total		0	0	0		0	638	426		194	0	148		476	431	0		2313		0	0	0	0		
PM Peak Hour Count Summary																									
Peak Volumes	Southbound			Approach	Westbound			Approach	Northbound			Approach	Eastbound			Approach			1						
	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total			SB	WB	NB	EB			
	0	0	0	0	0	234	140	374	72	0	43	115	164	165	0	329			818	0	0	0	0		
	0.00	0.00	0.00	0.00	0.00	0.85	0.80	0.89	0.67	0.00	0.63	0.65	0.77	0.74	0.00	0.88			0.85						
Trucks	0	0	0		0	29	13		10	0	11		17	12	0										
% Trucks	0%	0%	0%		0%	12%	9%		14%	0%	26%		10%	7%	0%										



### Pedestrians and Cars

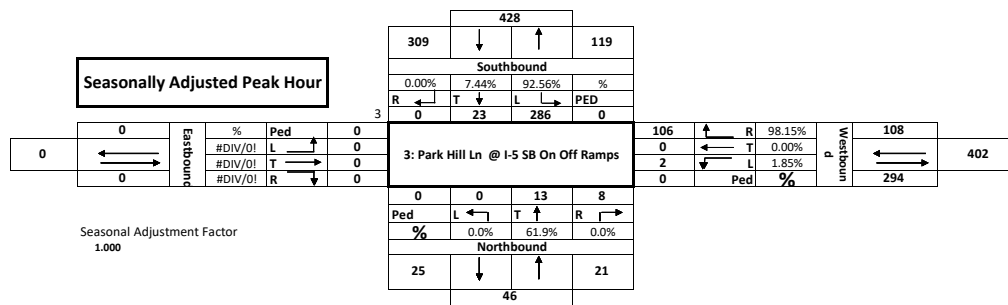
Trucks																		
Time Period	Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume
	Right	Thru	Left		Right	Thru	Left		Right	Thru	Left		Right	Thru	Left			
6:30 AM						8	4		4		1		1	6			24	
6:45 AM						2	2		1		1		4	1			11	
7:00 AM						4	6		3		2		4	2			21	
7:15 AM						5	4		6		1		1	0			17	
7:30 AM						4	2		4		3		2	1			16	
7:45 AM						7	5		3		2		5	2			24	
8:00 AM						2	1		1		2		5	3			14	
8:15 AM						10	3		4		4		5	4			30	
8:30 AM						5	4		0		2		3	2			16	
8:45 AM						12	5		5		3		4	3			32	
9:00 AM						3	1		5		0		5	2			16	
9:15 AM						7	4		2		1		2	4			20	
Total	0	0	0			69	41		38	0	22		41	30	0			
Peak Hour	0	0	0			0	29	13	10	0	11		17	12	0		92	

Time Period	Southbound				Westbound				Northbound				Eastbound				SB	WB	NB	EB
	Right	Thru	Left		Right	Thru	Left		Right	Thru	Left		Right	Thru	Left					
6:30 AM																	0	0	0	0
6:45 AM																	0	0	0	0
7:00 AM																	0	0	0	0
7:15 AM																	0	0	0	0
7:30 AM																	0	0	0	0
7:45 AM																	0	0	0	0
8:00 AM																	0	0	0	0
8:15 AM																	0	0	0	0
8:30 AM																	0	0	0	0
8:45 AM																	0	0	0	0
9:00 AM																	0	0	0	0
9:15 AM																	0	0	0	0
Total	0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	0
Peak Hour	0	0	0		0	0	0		0	0	0	0	0	0	0		0	0	0	0

Time Period	NE			NW			SW			SE			SB	WB	NB	EB
	Left	Right	Total	Left	Right	Total	Left	Right	Total	Left	Right	Total				
6:30 AM			0			0			0			0	0	0	0	0
6:45 AM			0			0			0			0	0	0	0	0
7:00 AM			0			0			0			0	0	0	0	0
7:15 AM			0			0			0			0	0	0	0	0
7:30 AM			0			0			0			0	0	0	0	0
7:45 AM			0			0			0			0	0	0	0	0
8:00 AM			0			0			0			0	0	0	0	0
8:15 AM			0			0			0			0	0	0	0	0
8:30 AM			0			0			0			0	0	0	0	0
8:45 AM			0			0			0			0	0	0	0	0
9:00 AM			0			0			0			0	0	0	0	0
9:15 AM			0			0			0			0	0	0	0	0
Total	0	0	0		0	0		0	0		0	0	0	0	0	0
Peak Hour	0	0	0		0	0		0	0		0	0	0	0	0	0

Intersection:		3: Park Hill Ln @ I-5 SB On Off Ramps										City:		Sutherlin, OR										
Counter:		Quality Counts										Date:		Thursday, June 30, 2022										
Total of All Vehicles																								
Time Period		Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians				
		Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB	
6:30	6:45	0	3	45	48	29	0	1	30	6	3	0	9	0	0	0	0	87	370	0	0	0	0	
6:45	7:00	0	4	51	55	29	0	0	29	2	1	0	3	0	0	0	0	87		0	0	0	0	
7:00	7:15	0	5	67	72	21	0	0	21	1	2	0	3	0	0	0	0	96		0	0	0	0	
7:15	7:30	0	3	58	61	29	0	1	30	5	4	0	9	0	0	0	0	100		0	0	0	0	
7:30	7:45	0	5	104	109	35	0	0	35	4	1	0	5	0	0	0	0	149		432	0	0	0	0
7:45	8:00	0	6	89	95	18	0	1	19	2	1	0	3	0	0	0	0	117	462	0	0	0	0	
8:00	8:15	0	6	71	77	21	0	0	21	3	3	0	6	0	0	0	0	104	470	0	0	0	0	
8:15	8:30	0	3	58	61	19	0	0	19	4	5	0	9	0	0	0	0	89	459	0	0	0	0	
8:30	8:45	0	6	92	98	24	0	2	26	0	2	0	2	0	0	0	0	126	436	0	0	0	0	
8:45	9:00	0	8	65	73	42	0	0	42	1	3	0	4	0	0	0	0	119	438	0	0	0	0	
9:00	9:15	0	7	87	94	28	0	0	28	2	4	0	6	0	0	0	0	128	462	0	0	0	0	
9:15	9:30	0	6	63	69	23	0	0	23	2	2	0	4	0	0	0	0	96	469	0	0	0	0	
Count Period Total		0	62	850		318	0	5		32	31	0		0	0	0		1298		0	0	0	0	
PM Peak Hour Count Summary																								
Peak Volumes	Southbound			Approach	Westbound			Approach	Northbound			Approach	Eastbound			Approach	Total	0.87	Pedestrians					
	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total			SB	WB	NB	EB		
	PHF	0.00	0.72	0.78	0.79	0.63	0.00	0.25	0.64	0.50	0.65	0.00	0.58	0.00	0.00	0.00			0.00	0.00	0	0	0	0
	Trucks	0	5	28		19	0	1		1	2	0		0	0	0								
% Trucks	0%	22%	10%		18%	0%	50%		13%	15%	0%		0%	0%	0%									





3: Park Hill Ln @ I-5 SB On Off Ramps

Pedestrians and Cars

Time Period	Southbound					Westbound					Northbound					Eastbound					15 Minute Volume	Hourly Volume
	Peds	Right	Thru	Left		Peds	Right	Thru	Left		Peds	Right	Thru	Left		Peds	Right	Thru	Left			
6:30 AM			2	41			26		0			6	2								77	
6:45 AM			3	46			28		0			2	1								80	
7:00 AM			4	57			18		0			1	0								80	
7:15 AM			3	53			22		1			4	3								86	323
7:30 AM			4	101			29		0			4	1								139	385
7:45 AM			4	81			14		1			2	1								103	408
8:00 AM			4	65			17		0			3	2								91	419
8:15 AM			2	51			13		0			3	5								74	407
8:30 AM			6	84			22		1			0	2								115	383
8:45 AM			6	58			35		0			1	2								102	382
9:00 AM			6	82			23		0			2	4								117	408
9:15 AM			4	61			20		0			2	2								89	423
Total	0	0	48	780		0	267	0	3		0	30	25	0		0	0	0	0			
Peak Hour	0	0	18	258		0	87	0	1		0	7	11	0		0	0	0	0		382	

Trucks

Time Period	Southbound					Westbound					Northbound					Eastbound					15 Minute Volume	Hourly Volume
	Right	Thru	Left			Right	Thru	Left			Right	Thru	Left			Right	Thru	Left				
6:30 AM		1	4			3		1			0	1									10	
6:45 AM		1	5			1		0			0	0									7	
7:00 AM		1	10			3		0			0	2									16	
7:15 AM		0	5			7		0			1	1									14	47
7:30 AM		1	3			6		0			0	0									10	47
7:45 AM		2	8			4		0			0	0									14	54
8:00 AM		2	6			4		0			0	1									13	51
8:15 AM		1	7			6		0			1	0									15	52
8:30 AM		0	8			2		1			0	0									11	53
8:45 AM		2	7			7		0			0	1									17	56
9:00 AM		1	5			5		0			0	0									11	54
9:15 AM		2	2			3		0			0	0									7	46
Total	0	14	70			51	0	2			2	6	0			0	0	0				
Peak Hour	0	5	28			19	0	1			1	2	0			0	0	0			56	

Bikes

Time Period	Southbound					Westbound					Northbound					Eastbound					SB	WB	NB	EB
	Right	Thru	Left			Right	Thru	Left			Right	Thru	Left			Right	Thru	Left						
6:30 AM																					0	0	0	0
6:45 AM																					0	0	0	0
7:00 AM																					0	0	0	0
7:15 AM																					0	0	0	0
7:30 AM																					0	0	0	0
7:45 AM																					0	0	0	0
8:00 AM																					0	0	0	0
8:15 AM																					0	0	0	0
8:30 AM																					0	0	0	0
8:45 AM																					0	0	0	0
9:00 AM																					0	0	0	0
9:15 AM																					0	0	0	0
Total	0	0	0			0	0	0			0	0	0			0	0	0			0	0	0	0
Peak Hour	0	0	0			0	0	0			0	0	0	0		0	0	0			0	0	0	0

Pedestrians

Time Period	NE				NW				SW				SE				SB	WB	NB	EB
	Left	Right	Total		Left	Right	Total		Left	Right	Total		Left	Right	Total					
6:30 AM			0				0				0				0		0	0	0	0
6:45 AM			0				0				0				0		0	0	0	0
7:00 AM			0				0				0				0		0	0	0	0
7:15 AM			0				0				0				0		0	0	0	0
7:30 AM			0				0				0				0		0	0	0	0
7:45 AM			0				0				0				0		0	0	0	0
8:00 AM			0				0				0				0		0	0	0	0
8:15 AM			0				0				0				0		0	0	0	0
8:30 AM			0				0				0				0		0	0	0	0
8:45 AM			0				0				0				0		0	0	0	0
9:00 AM			0				0				0				0		0	0	0	0
9:15 AM			0				0				0				0		0	0	0	0
Total	0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	0
Peak Hour	0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	0

Intersection: 4: Dakota @ Hwy 138														City: Sutherlin, OR											
Counter: Sandow Engineering														Date: Tuesday, August 22, 2023											
Total of All Vehicles																									
Time Period		Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians					
		Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB		
6:30	6:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0		
6:45	7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0		
7:00	7:15	2	0	8	10	7	30	0	37	0	0	0	0	0	66	2	68	115		0	0	0	0		
7:15	7:30	0	0	4	4	8	22	0	30	0	0	0	0	0	62	2	64	98	213	0	0	0	0		
7:30	7:45	1	0	12	13	9	37	0	46	0	0	0	0	0	98	3	101	160	373	1	0	0	0		
7:45	8:00	0	1	9	10	13	25	0	38	0	0	0	0	0	73	2	75	123	496	1	1	0	0		
8:00	8:15	3	0	13	16	13	40	0	53	0	0	0	0	0	50	5	55	124	505	0	0	1	0		
8:15	8:30	6	0	7	13	18	48	0	66	0	0	0	0	0	58	4	62	141	548	1	0	0	0		
8:30	8:45	2	0	8	10	8	49	0	57	0	0	0	0	0	63	1	64	131	519	3	1	1	0		
8:45	9:00	1	0	7	8	13	57	0	70	0	0	0	0	0	72	6	78	156	552	0	0	1	0		
9:00	9:15	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1		0	0	0	0		
9:15	9:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0		
Count Period Total		15	1	68		89	308	0		0	0	0		0	543	25		1049		6	2	3	0		
PM Peak Hour Count Summary																									
Peak Volumes	Southbound			Approach	Westbound			Approach	Northbound			Approach	Eastbound			Approach			Pedestrians						
	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total			SB	WB	NB	EB			
	12	0	35	47	52	194	0	246	0	0	0	0	0	243	16	259			552	0	0	0	0		
	PHF	0.50	0.00	0.67	0.73	0.72	0.85	0.00	0.88	0.00	0.00	0.00	0.00	0.00	0.84	0.67			0.83	0.88					
Trucks	0	0	0		0	17	0		0	0	0		0	13	0										
% Trucks	0%	0%	0%		0%	9%	0%		0%	0%	0%		0%	5%	0%										

Seasonally Adjusted Peak Hour

<div>Seasonally Adjusted Peak Hour</div>										<div>118</div>																																							
										<div>48</div>										<div>70</div>																													
										<div>Southbound</div>																																							
										<div>25.53%</div>										<div>0.00%</div>										<div>74.47%</div>										<div>%</div>									
										<div>R</div>										<div>T</div>										<div>L</div>										<div>PED</div>									
										<div>12</div>										<div>0</div>										<div>36</div>										<div>0</div>									
										<div>4: Dakota @ Hwy 138</div>																																							
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>Ped</div>										<div>L</div>										<div>T</div>										<div>R</div>									
										<div>%</div>										<div>#DIV/0!</div>										<div>#DIV/0!</div>										<div>#DIV/0!</div>									
										<div>Northbound</div>																																							
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>																																							
										<div>53</div>										<div>199</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									
										<div>0</div>										<div>0</div>										<div>0</div>										<div>0</div>									

Seasonal Adjustment Factor  
1.025

### Pedestrians and Cars

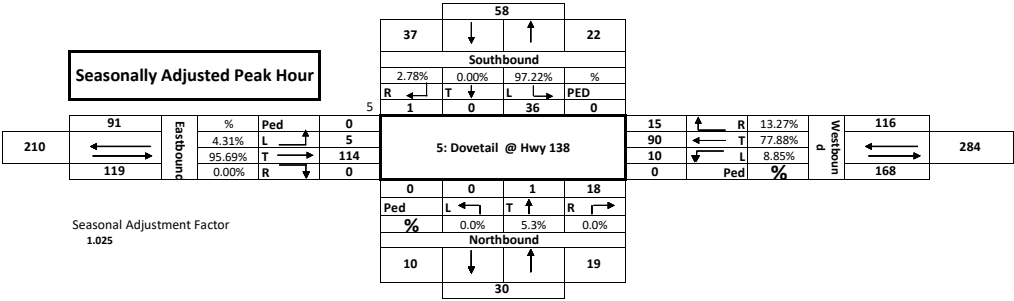
Trucks	Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume
Time Period	Right	Thru	Left		Right	Thru	Left		Right	Thru	Left		Right	Thru	Left			
6:30 AM																	0	
6:45 AM																	0	
7:00 AM		0			0	5	0							4			9	
7:15 AM		0			0	4	0							7			11	20
7:30 AM		0			1	8	0							11			20	40
7:45 AM		1			1	3	0							8			13	53
8:00 AM		0			2	4	0							7			13	57
8:15 AM		0			0	10	0							6			16	62
8:30 AM		0			0	7	0							6			13	55
8:45 AM		0			0	10	0							7			17	59
9:00 AM																	0	46
9:15 AM																	0	30
Total	0	1	0		4	51	0		0	0	0		0	56	0			
Peak Hour	0	0	0		0	17	0		0	0	0		0	13	0		59	

## Time 1

Pedestrians	NE						NW			SW			SE			SB	WB	NB	EB
Time Period	Left	Right	Total		Left	Right	Total		Left	Right	Total		Left	Right	Total				
6:30 AM			0				0				0				0		0	0	0
6:45 AM			0				0				0				0		0	0	0
7:00 AM			0				0				0				0		0	0	0
7:15 AM			0				0				0				0		0	0	0
7:30 AM			0				0				0				0		0	0	0
7:45 AM			0				0				0				0		0	0	0
8:00 AM			0				0				0				0		0	0	0
8:15 AM			0				0				0				0		0	0	0
8:30 AM			0				0				0				0		0	0	0
8:45 AM			0				0				0				0		0	0	0
9:00 AM			0				0				0				0		0	0	0
9:15 AM			0				0				0				0		0	0	0
Total	0	0	0		0	0	0		0	0	0		0	0	0		0	0	0
Peak Hour	0	0	0		0	0	0		0	0	0		0	0	0		0	0	0

Intersection: 5: Dovetail @ Hwy 138										City: Sutherlin, OR													
Counter: Sandow Engineering										Date: Tuesday, August 22, 2023													
Total of All Vehicles																							
Time Period		Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians			
		Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB
6:30	6:45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0		
6:45	7:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0		
7:00	7:15	0	0	6	6	6	14	5	25	8	1	0	9	0	24	0	24	64		0	0		
7:15	7:30	0	1	6	7	2	11	1	14	3	0	0	3	0	35	0	35	59	123	0	0		
7:30	7:45	0	0	15	15	5	8	2	15	5	0	0	5	0	43	0	43	78	201	0	0		
7:45	8:00	0	0	13	13	5	9	4	18	5	0	1	6	0	26	0	26	63	264	0	0		
8:00	8:15	0	0	10	10	4	17	1	22	1	0	0	1	0	20	1	21	54	254	0	0		
8:15	8:30	0	0	6	6	3	28	3	34	3	0	0	3	0	28	1	29	72	267	0	0		
8:30	8:45	1	0	11	12	3	21	4	28	4	0	0	4	0	33	1	34	78	267	1	0		
8:45	9:00	0	0	8	8	5	22	2	29	10	1	0	11	0	30	2	32	80	284	1	0		
9:00	9:15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0		
9:15	9:30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0		
Count Period Total		1	1	75		33	130	22		39	2	1		0	239	5		548		2	0		
PM Peak Hour Count Summary																							
Peak Volumes	Southbound			Approach	Westbound			Approach	Northbound			Approach	Eastbound			Approach			Pedestrians				
	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total			SB	WB	NB	EB	
	1	0	35	36	15	88	10	113	18	1	0	19	0	111	5	116			284	0	0	0	0
	0.25	0.00	0.80	0.75	0.75	0.79	0.63	0.83	0.45	0.25	0.00	0.43	0.00	0.84	0.63	0.85			0.89				
Trucks	0	0	0		2	18	0		2	0	0		0	12	0								
% Trucks	0%	0%	0%		13%	20%	0%		11%	0%	0%		0%	11%	0%								

Seasonally Adjusted Peak Hour





### Pedestrians and Cars

### Pedestrians and Cars

<b>Total</b>	1	1	0	74	0	23	207	22	1	37	2	1	0	0	25	3	
<b>Peak Hour</b>	1	1	0	35	0	13	70	10	1	16	1	0	0	0	99	5	250

## Time P

Total	0	1	1		8	23	1		2	0	0		0	32	0		
Peak Hour	0	0	0		2	18	0		2	0	0		0	12	0		34

## Time 1

## Time Period

Pedestrians

Pedestrians		Time Period												SB	WB	NB	EB
NE				NW				SW				SE					
Left	Right	Total		Left	Right	Total		Left	Right	Total		Left	Right	Total			
6:30 AM		0				0				0				0		0	0
6:45 AM		0				0				0				0		0	0
7:00 AM		0				0				0				0		0	0
7:15 AM		0				0				0				0		0	0
7:30 AM		0				0				0				0		0	0
7:45 AM		0				0				0				0		0	0
8:00 AM		0				0				0				0		0	0
8:15 AM		0				0				0				0		0	0
8:30 AM		0				0				0				0		0	0
8:45 AM		0				0				0				0		0	0
9:00 AM		0				0				0				0		0	0
9:15 AM		0				0				0				0		0	0
Total	0	0	0		0	0	0		0	0	0		0	0	0	0	0
Peak Hour	0	0	0		0	0	0		0	0	0		0	0	0	0	0

Intersections						
	1: I-5 NB On Off Ramps @ W Central Ave	2: Park Hill Ln @ W Central Ave	3: Park Hill Ln @ I-5 SB On Off Ramps	4: Dakota @ Hwy 138	5: Dovetail @ Hwy 138	
Time Period	Volume	Volume	Volume	Volume	Volume	Total
6:30 AM 7:30 AM	617	636	370	213	123	1959
6:45 AM 7:45 AM	628	684	432	373	201	2318
7:00 AM 8:00 AM	684	741	462	496	264	2647
7:15 AM 8:15 AM	716	770	470	505	254	2715
7:30 AM 8:30 AM	739	788	459	548	267	2801
7:45 AM 8:45 AM	762	798	436	519	267	2782
8:00 AM 9:00 AM	801	818	438	552	284	2893
8:15 AM 9:15 AM	843	861	462	-	-	2166
8:30 AM 9:30 AM	875	889	469	-	-	2233
	875	889	470	552	284	2893

Peak Hour 8:00 AM  
8:15 AM  
8:30 AM  
8:45 AM

Existing 2023 AM Volumes

																37				22																																											
																R				T				L				PED																																			
																2				1				0				36				0																															
																Ped				0												15				R																											
																L				5																90				T																							
																T				114																10				L																							
																R				0																0				Ped																							

Existing 2025 AM Volumes

		39		23			
		R	T	L	PED		
		2	1	0	38	0	
Ped	0					16	R
L	5	5: Dovetail @ Hwy 138				95	T
T	120					11	L
R	0					0	Ped
		0		0		1	
		Ped		L		T	
				11		21	

EDIT Highlighted

Base Year	2023
Target Year	2025
Years of Growth	2
Growth Rate Per Year	0.028
Growth Factor	1.06

		51		74			
		R	T	L	PED		
		1	13	0	38	0	
Ped	0					56	R
L	17	4: Dakota @ Hwy 138				210	T
T	263					0	L
R	0					0	Ped
		0		0		0	
		Ped		L		T	
				0		0	

		0		0			
		R	T	L	PED		
		2	0	0	0	0	
Ped	0					0	R
L	0	2: Park Hill Ln @ W Central Ave				252	T
T	177					151	L
R	176					0	Ped
		0		46		0	
		Ped		L		T	
				0		77	

		0		114			
		R	T	L	PED		
		1	0	0	0	0	
Ped	0					85	R
L	28	1: I-5 NB On Off Ramps @ W Central Ave				262	T
T	227					0	L
R	0					0	Ped
		0		110		0	
		Ped		L		T	
				0		110	

		326		327		126		124	
		R	T	L	PED				
		2	0	24	302	0			
Ped	0					112	R		
L	0	3: Park Hill Ln @ I-5 SB On Off Ramps				0	T		
T	0					2	L		
R	0					0	Ped		
		0		0		14		8	
		Ped		L		T		R	
				26		22			

		44		26			
		R	T	L	PED		
		2	1	0	43	0	
Ped	0					18	R
L	6	5: Dovetail @ Hwy 138				108	T
T	136					12	L
R	0					0	Ped
		0		0		1	
		Ped		L		T	
				12		23	

EDIT Highlighted

Base Year	2023
Target Year	2030
Years of Growth	7
Growth Rate Per Year	0.028
Growth Factor	1.19

		57		83			
		R	T	L	PED		
		1	15	0	43	0	
Ped	0					64	R
L	20	4: Dakota @ Hwy 138				237	T
T	297					0	L
R	0					0	Ped
		0		0		0	
		Ped		L		T	
				0		0	

		0		0			
		R	T	L	PED		
		2	0	0	0	0	
Ped	0					0	R
L	0	2: Park Hill Ln @ W Central Ave				285	T
T	201					170	L
R	199					0	Ped
		0		52		0	
		Ped		L		T	
				370		140	

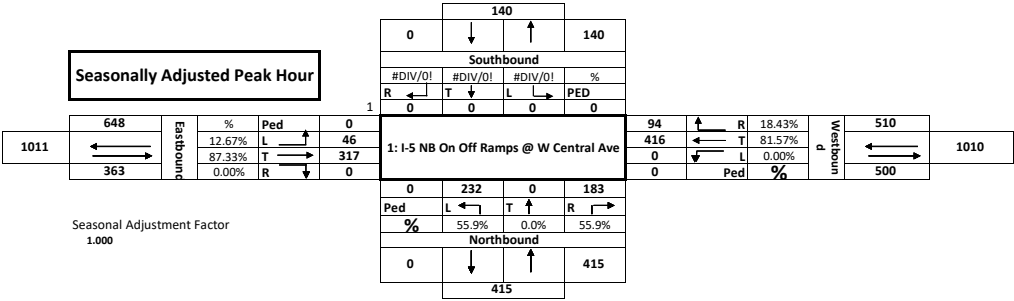
		0		129			
		R	T	L	PED		
		1	0	0	0	0	
Ped	0					97	R
L	32	1: I-5 NB On Off Ramps @ W Central Ave				331	T
T	257					0	L
R	0					0	Ped
		0		124		0	
		Ped		L		T	
				0		248	

		369		142			
		R	T	L	PED		
		2	0	27	341	0	
Ped	0					126	R
L	0	3: Park Hill Ln @ I-5 SB On Off Ramps				0	T
T	0					2	L
R	0					0	Ped
		0		0		16	
		Ped		L		T	
				30		25	

		129					
		R	T	L	PED		
		0	0	0	0		
Ped	0					0	R
L	0	3: Park Hill Ln @ I-5 SB On Off Ramps				0	T
T	0					2	L
R	0					0	Ped
		0		16		10	
		Ped		L		T	
				30		25	

Intersection: 1: I-5 NB On Off Ramps @ W Central Ave City: Sutherlin, OR																									
Counter: Quality Counts													Date: Thursday, June 30, 2022												
Total of All Vehicles																									
Time Period		Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians					
		Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB		
15:30	15:45	0	0	0	0	28	113	0	141	29	0	52	81	0	77	13	90	312	1187	0	0	0	0		
15:45	16:00	0	0	0	0	17	74	0	91	40	2	51	93	0	83	20	103	287		0	0	0	0		
16:00	16:15	0	0	0	0	16	100	0	116	29	0	45	74	0	62	6	68	258		0	0	0	0		
16:15	16:30	0	0	0	0	34	104	0	138	56	0	53	109	0	76	7	83	330		0	0	0	0		
16:30	16:45	0	0	0	0	34	94	0	128	41	0	50	91	0	77	14	91	310	1185	0	0	0	0		
16:45	17:00	0	0	0	0	24	112	0	136	48	0	50	98	0	82	8	90	324	1222	0	0	0	0		
17:00	17:15	0	0	0	0	19	113	0	132	46	0	68	114	0	80	13	93	339	1303	0	0	0	0		
17:15	17:30	0	0	0	0	17	97	0	114	48	0	64	112	0	78	11	89	315	1288	0	0	0	0		
17:30	17:45	0	0	0	0	20	94	0	114	42	0	47	89	0	72	11	83	286	1264	0	0	0	0		
17:45	18:00	0	0	0	0	21	79	0	100	40	0	54	94	0	53	17	70	264	1204	0	0	0	0		
18:00	18:15	0	0	0	0	6	89	0	95	33	0	45	78	0	64	11	75	248	1113	0	0	0	0		
18:15	18:30	0	0	0	0	17	87	0	104	31	0	44	75	0	64	8	72	251	1049	0	0	0	0		
Count Period Total		0	0	0		253	1156	0		483	2	623		0	868	139		3524		0	0	0	0		
PM Peak Hour Count Summary																									
Peak Volumes	Southbound			Approach	Westbound			Approach	Northbound			Approach	Eastbound			Approach	Total	0.95	Pedestrians						
	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total			SB	WB	NB	EB			
	0	0	0	0	94	416	0	510	183	0	232	415	0	317	46	363			1288	0	0	0	0		
	0.00	0.00	0.00	0.00	0.69	0.92	0.00	0.94	0.95	0.00	0.85	0.91	0.00	0.97	0.82	0.98			0.95						
Trucks	0	0	0		5	13	0		6	0	6		0	12	2										
% Trucks	0%	0%	0%		5%	3%	0%		3%	0%	3%		0%	4%	4%										

Seasonally Adjusted Peak Hour



1: I-5 NB On Off Ramps @ W Central Ave

Pedestrians and Cars

Time Period	Southbound					Westbound					Northbound					Eastbound					15 Minute Volume	Hourly Volume
	Peds	Right	Thru	Left		Peds	Right	Thru	Left		Peds	Right	Thru	Left		Peds	Right	Thru	Left			
3:30 PM							27	109				29	0	49				73	13		300	
3:45 PM							17	71				39	2	46				78	18		271	
4:00 PM							16	94				24	0	42				58	5		239	
4:15 PM							33	103				55	0	50				72	7		320	1130
4:30 PM							32	91				38	0	50				74	13		298	1128
4:45 PM							23	108				47	0	48				80	8		314	1171
5:00 PM							18	108				45	0	66				77	12		326	1258
5:15 PM							16	96				47	0	62				74	11		306	1244
5:30 PM							18	90				42	0	46				70	10		276	1222
5:45 PM							20	78				39	0	52				53	17		259	1167
6:00 PM							6	85				32	0	41				62	9		235	1076
6:15 PM							17	85				31	0	41				59	8		241	1011
Total	0	0	0	0		0	243	1118	0		0	468	2	593		0	0	830	131			
Peak Hour	0	0	0	0		0	89	403	0		0	177	0	226		0	0	305	44		1244	

Trucks

Time Period	Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume
	Right	Thru	Left		Right	Thru	Left		Right	Thru	Left		Right	Thru	Left			
3:30 PM					1	4			0		3			4	0			
3:45 PM					0	3			1		5			5	2			
4:00 PM					0	6			5		3			4	1			
4:15 PM					1	1			1		3			4	0			
4:30 PM					2	3			3		0			3	1			
4:45 PM					1	4			1		2			2	0			
5:00 PM					1	5			1		2			3	1			
5:15 PM					1	1			1		2			4	0			
5:30 PM					2	4			0		1			2	1			
5:45 PM					1	1			1		2			0	0			
6:00 PM					0	4			1		4			2	2			
6:15 PM					0	2			0		3			5	0			
Total	0	0	0		10	38	0		15	0	30		0	38	8			
Peak Hour	0	0	0		5	13	0		6	0	6		0	12	2			

Bikes

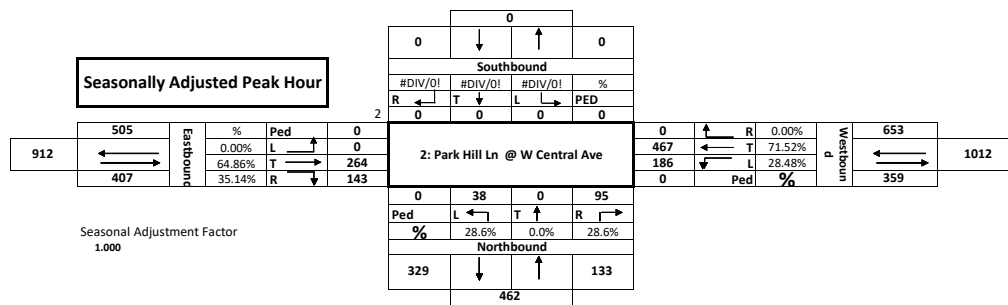
Time Period	Southbound				Westbound				Northbound				Eastbound				SB	WB	NB	EB
	Right	Thru	Left		Right	Thru	Left		Right	Thru	Left		Right	Thru	Left					
3:30 PM																	0	0	0	0
3:45 PM																	0	0	0	0
4:00 PM																	0	0	0	0
4:15 PM																	0	0	0	0
4:30 PM																	0	0	0	0
4:45 PM																	0	0	0	0
5:00 PM																	0	0	0	0
5:15 PM																	0	0	0	0
5:30 PM																	0	0	0	0
5:45 PM																	0	0	0	0
6:00 PM																	0	0	0	0
6:15 PM																	0	0	0	0
Total	0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	0
Peak Hour	0	0	0		0	0	0		0	0	0	0	0	0	0		0	0	0	0

Pedestrians

Time Period	NE				NW				SW				SE			SB	WB	NB	EB
	Left	Right	Total		Left	Right	Total		Left	Right	Total		Left	Right	Total				
3:30 PM			0				0				0				0	0	0	0	0
3:45 PM			0				0				0				0	0	0	0	0
4:00 PM			0				0				0				0	0	0	0	0
4:15 PM			0				0				0				0	0	0	0	0
4:30 PM			0				0				0				0	0	0	0	0
4:45 PM			0				0				0				0	0	0	0	0
5:00 PM			0				0				0				0	0	0	0	0
5:15 PM			0				0				0				0	0	0	0	0
5:30 PM			0				0				0				0	0	0	0	0
5:45 PM			0				0				0				0	0	0	0	0
6:00 PM			0				0				0				0	0	0	0	0
6:15 PM			0				0				0				0	0	0	0	0
Total	0	0	0		0	0	0		0	0	0		0	0	0	0	0	0	0
Peak Hour	0	0	0		0	0	0		0	0	0		0	0	0	0	0	0	0

Intersection: 2: Park Hill Ln @ W Central Ave										City: Sutherlin, OR													
Counter: Quality Counts										Date: Thursday, June 30, 2022													
Total of All Vehicles																							
Time Period		Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians			
		Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB
15:30	15:45	0	0	0	0	0	114	46	160	24	0	10	34	52	62	0	114	308		0	0	0	0
15:45	16:00	0	0	0	0	0	90	38	128	19	0	7	26	31	85	0	116	270		0	0	0	0
16:00	16:15	0	0	0	0	0	99	40	139	24	0	11	35	31	46	0	77	251		0	0	0	0
16:15	16:30	0	0	0	0	0	108	48	156	28	0	8	36	29	54	0	83	275	1104	0	0	0	0
16:30	16:45	0	0	0	0	0	97	48	145	26	0	9	35	40	66	0	106	286	1082	0	0	0	0
16:45	17:00	0	0	0	0	0	118	43	161	25	0	5	30	30	62	0	92	283	1095	0	0	0	0
17:00	17:15	0	0	0	0	0	126	53	179	21	0	14	35	37	70	0	107	321	1165	0	0	0	0
17:15	17:30	0	0	0	0	0	126	42	168	23	0	10	33	36	66	0	102	303	1193	0	0	0	0
17:30	17:45	0	0	0	0	0	121	23	144	18	0	12	30	29	64	0	93	267	1174	0	0	0	0
17:45	18:00	0	0	0	0	0	100	34	134	21	0	12	33	24	52	0	76	243	1134	0	0	0	0
18:00	18:15	0	0	0	0	0	86	49	135	24	0	13	37	24	49	0	73	245	1058	0	0	0	0
18:15	18:30	0	0	0	0	0	94	39	133	23	0	8	31	24	47	0	71	235	990	0	0	0	0
Count Period Total		0	0	0		0	1279	503		276	0	119		387	723	0		3287		0	0	0	0
PM Peak Hour Count Summary																							
Peak Volumes	Southbound			Approach	Westbound			Approach	Northbound			Approach	Eastbound			Approach	Total		Pedestrians				
	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total			SB	WB	NB	EB	
	0	0	0	0	0	467	186	653	95	0	38	133	143	264	0	407			1193	0	0	0	0
	0.00	0.00	0.00	0.00	0.00	0.93	0.88	0.91	0.91	0.00	0.68	0.95	0.89	0.94	0.00	0.95			0.93				
Trucks	0	0	0		0	14	5		5	0	2		8	9	0								
% Trucks	0%	0%	0%		0%	3%	3%		5%	0%	5%		6%	3%	0%								





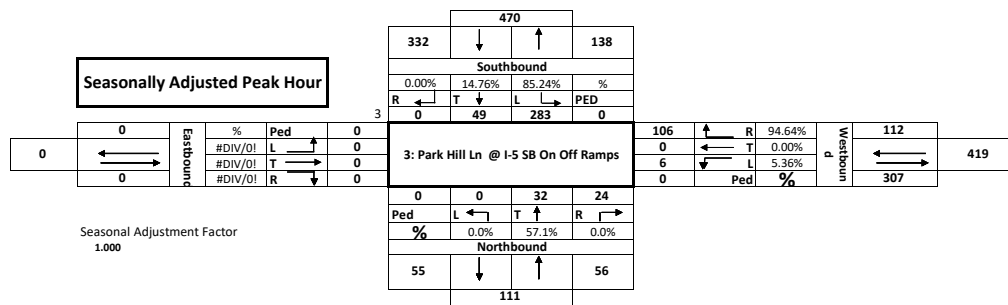
### Pedestrians and Cars

Trucks																		
Time Period	Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume
	Right	Thru	Left		Right	Thru	Left		Right	Thru	Left		Right	Thru	Left			
3:30 PM						4	4		2		0		5	2		17		
3:45 PM						4	4		4		0		0	3		15		
4:00 PM						3	5		3		3		5	2		21		
4:15 PM						3	2		3		0		3	1		12		
4:30 PM						2	1		3		1		5	1		13		
4:45 PM						4	2		0		0		0	2		8		
5:00 PM						5	2		1		1		0	3		12		
5:15 PM						3	0		1		0		3	3		10		
5:30 PM						2	3		1		1		4	2		13		
5:45 PM						2	0		1		2		1	0		6		
6:00 PM						4	5		1		0		0	2		12		
6:15 PM						4	1		2		0		0	3		10		
Total	0	0	0		0	40	29		22	0	8		26	24	0			
Peak Hour	0	0	0		0	14	5		5	0	2		8	9	0	43		

Time Period	Southbound				Westbound				Northbound				Eastbound				SB	WB	NB	EB
	Right	Thru	Left		Right	Thru	Left		Right	Thru	Left		Right	Thru	Left					
3:30 PM																	0	0	0	0
3:45 PM																	0	0	0	0
4:00 PM																	0	0	0	0
4:15 PM																	0	0	0	0
4:30 PM																	0	0	0	0
4:45 PM																	0	0	0	0
5:00 PM																	0	0	0	0
5:15 PM																	0	0	0	0
5:30 PM																	0	0	0	0
5:45 PM																	0	0	0	0
6:00 PM																	0	0	0	0
6:15 PM																	0	0	0	0
<b>Total</b>	0	0	0		0	0	0		0	0	0		0	0	0		0	0	0	0
<b>Peak Hour</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Time Period	NE			NW			SW			SE			SB	WB	NB	EB
	Left	Right	Total	Left	Right	Total	Left	Right	Total	Left	Right	Total				
3:30 PM			0			0			0			0	0	0	0	0
3:45 PM			0			0			0			0	0	0	0	0
4:00 PM			0			0			0			0	0	0	0	0
4:15 PM			0			0			0			0	0	0	0	0
4:30 PM			0			0			0			0	0	0	0	0
4:45 PM			0			0			0			0	0	0	0	0
5:00 PM			0			0			0			0	0	0	0	0
5:15 PM			0			0			0			0	0	0	0	0
5:30 PM			0			0			0			0	0	0	0	0
5:45 PM			0			0			0			0	0	0	0	0
6:00 PM			0			0			0			0	0	0	0	0
6:15 PM			0			0			0			0	0	0	0	0
Total	0	0	0						0			0	0	0	0	0
Peak Hour	0	0	0			0			0			0	0	0	0	0

Intersection:		3: Park Hill Ln @ I-5 SB On Off Ramps												City:		Sutherlin, OR									
Counter:		Quality Counts												Date:		Thursday, June 30, 2022									
Total of All Vehicles																									
Time Period		Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians					
		Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB		
15:30	15:45	0	8	90	98	21	0	2	23	6	9	0	15	0	0	0	0	136	470	0	0	0	0		
15:45	16:00	0	13	54	67	18	0	3	21	5	8	0	13	0	0	0	0	101		0	0	0	0		
16:00	16:15	0	10	60	70	28	0	2	30	6	8	0	14	0	0	0	0	114		0	0	0	0		
16:15	16:30	0	19	58	77	29	0	3	32	4	6	0	10	0	0	0	0	119		0	0	0	0		
16:30	16:45	0	12	74	86	25	0	1	26	4	10	0	14	0	0	0	0	126	460	0	0	0	0		
16:45	17:00	0	11	65	76	24	0	4	28	6	8	0	14	0	0	0	0	118	477	0	0	0	0		
17:00	17:15	0	18	73	91	26	0	1	27	5	9	0	14	0	0	0	0	132	495	0	0	0	0		
17:15	17:30	0	8	71	79	31	0	0	31	9	5	0	14	0	0	0	0	124	500	0	0	0	0		
17:30	17:45	0	8	43	51	22	0	1	23	2	8	0	10	0	0	0	0	84	458	0	0	0	0		
17:45	18:00	0	9	49	58	25	0	0	25	3	8	0	11	0	0	0	0	94	434	0	0	0	0		
18:00	18:15	0	19	53	72	28	0	1	29	5	11	0	16	0	0	0	0	117	419	0	0	0	0		
18:15	18:30	0	14	49	63	21	0	5	26	3	8	0	11	0	0	0	0	100	395	0	0	0	0		
Count Period Total		0	149	739		298	0	23		58	98	0		0	0	0		1365		0	0	0	0		
PM Peak Hour Count Summary																									
Peak Volumes	Southbound			Approach	Westbound			Approach	Northbound			Approach	Eastbound			Approach	Total	0.95	Pedestrians						
	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total			SB	WB	NB	EB			
	0	49	283	332	106	0	6	112	24	32	0	56	0	0	0	0			500	0	0	0	0		
	0.00	0.68	0.96	0.91	0.85	0.00	0.38	0.90	0.67	0.80	0.00	1.00	0.00	0.00	0.00	0.00									
Trucks	0	0	13		5	0	1		1	1	0		0	0	0										
% Trucks	0%	0%	5%		5%	0%	17%		4%	3%	0%		0%	0%	0%										



3: Park Hill Ln @ I-5 SB On Off Ramps

Pedestrians and Cars																			15 Minute Volume	Hourly Volume
Time Period	Southbound					Westbound					Northbound					Eastbound				
	Peds	Right	Thru	Left		Peds	Right	Thru	Left		Peds	Right	Thru	Left		Peds	Right	Thru	Left	
3:30 PM			8	80			18		2			5	9							122
3:45 PM			11	52			16		3			5	6							93
4:00 PM			8	53			23		1			6	7							98
4:15 PM			18	53			25		3			4	6							109
4:30 PM			12	68			24		1			4	9							422
4:45 PM			11	63			24		3			6	8							418
5:00 PM			18	71			24		1			5	9							440
5:15 PM			8	68			29		0			8	5							470
5:30 PM			8	36			21		1			2	8							479
5:45 PM			9	48			22		0			3	8							76
6:00 PM			17	50			27		1			5	11							437
6:15 PM			14	48			19		5			3	8							90
Total	0	0	142	690		0	272	0	21		0	56	94	0		0	0	0	0	111
Peak Hour	0	0	49	270		0	101	0	5		0	23	31	0		0	0	0	0	395

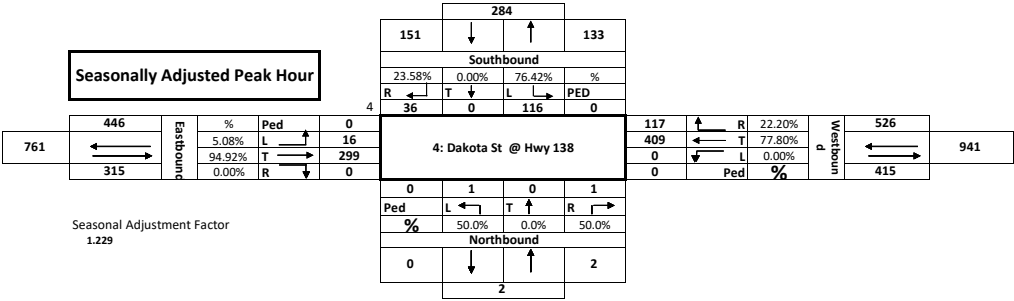
Trucks																			15 Minute Volume	Hourly Volume
Time Period	Southbound					Westbound					Northbound					Eastbound				
	Right	Thru	Left			Right	Thru	Left			Right	Thru	Left			Right	Thru	Left		
3:30 PM		0	10			3		0			1	0								14
3:45 PM		2	2			2		0			0	2								8
4:00 PM		2	7			5		1			0	1								16
4:15 PM		1	5			4		0			0	0								10
4:30 PM		0	6			1		0			0	1								48
4:45 PM		0	2			0		1			0	0								8
5:00 PM		0	2			2		0			0	0								42
5:15 PM		0	3			2		0			1	0								37
5:30 PM		0	7			1		0			0	0								4
5:45 PM		0	1			3		0			0	0								25
6:00 PM		2	3			1		0			0	0								6
6:15 PM		0	1			2		0			0	0								3
Total	0	7	49			26	0	2			2	4	0			0	0	0		21
Peak Hour	0	0	13			5	0	1			1	0	0			0	0	0		

Bikes																							
Time Period	Southbound					Westbound					Northbound					Eastbound				SB	WB	NB	EB
	Right	Thru	Left			Right	Thru	Left			Right	Thru	Left			Right	Thru	Left					
3:30 PM																		0	0	0	0		
3:45 PM																		0	0	0	0		
4:00 PM																		0	0	0	0		
4:15 PM																		0	0	0	0		
4:30 PM																		0	0	0	0		
4:45 PM																		0	0	0	0		
5:00 PM																		0	0	0	0		
5:15 PM																		0	0	0	0		
5:30 PM																		0	0	0	0		
5:45 PM																		0	0	0	0		
6:00 PM																		0	0	0	0		
6:15 PM																		0	0	0	0		
Total	0	0	0			0	0	0			0	0	0			0	0	0	0	0	0		
Peak Hour	0	0	0			0	0	0			0	0	0	0		0	0	0	0	0	0		

Pedestrians																			SB	WB	NB	EB
Time Period	NE					NW					SW					SE						
	Left	Right	Total			Left	Right	Total			Left	Right	Total			Left	Right	Total				
3:30 PM			0					0					0				0		0	0		
3:45 PM			0					0					0				0		0	0		
4:00 PM			0					0					0				0		0	0		
4:15 PM			0					0					0				0		0	0		
4:30 PM			0					0					0				0		0	0		
4:45 PM			0					0					0				0		0	0		
5:00 PM			0					0					0				0		0	0		
5:15 PM			0					0					0				0		0	0		
5:30 PM			0					0					0				0		0	0		
5:45 PM			0					0					0				0		0	0		
6:00 PM			0					0					0				0		0	0		
6:15 PM			0					0					0				0		0	0		
Total	0	0	0			0	0	0			0	0	0			0	0		0	0		
Peak Hour	0	0	0			0	0	0			0	0	0			0	0		0	0		

Intersection: 4: Dakota St @ Hwy 138										City: Sutherlin, OR													
Counter: Sandow Engineering										Date: Tuesday, January 19, 2021													
Total of All Vehicles																							
Time Period		Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians			
		Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB
15:30	15:45	5	0	26	31	15	67	0	82	0	0	0	0	0	58	4	62	175	710	0	0	0	0
15:45	16:00	6	0	17	23	28	55	0	83	0	0	0	0	0	68	3	71	177		0	0	0	0
16:00	16:15	4	0	13	17	19	79	1	99	0	0	0	0	0	56	3	59	175		0	0	0	0
16:15	16:30	6	0	19	25	29	66	0	95	0	0	0	0	0	56	7	63	183		0	0	0	0
16:30	16:45	6	0	25	31	18	83	0	101	0	0	1	1	0	79	4	83	216	751	0	0	0	0
16:45	17:00	8	0	20	28	27	75	0	102	1	0	0	1	0	77	1	78	209	783	0	0	0	0
17:00	17:15	11	0	28	39	25	80	0	105	0	0	0	0	0	43	1	44	188	796	0	0	0	0
17:15	17:30	4	0	21	25	25	95	0	120	0	0	0	0	0	44	7	51	196	809	0	0	0	0
17:30	17:45	6	0	20	26	23	53	0	76	0	0	0	0	0	49	4	53	155	748	0	0	0	0
17:45	18:00	18	0	16	34	21	78	0	99	0	0	0	0	0	38	5	43	176	715	0	0	0	0
18:00	18:15	14	0	23	37	18	39	0	57	0	0	0	0	0	40	4	44	138	665	0	0	0	0
18:15	18:30	5	0	14	19	13	59	0	72	0	0	0	0	0	30	4	34	125	594	0	0	0	0
Count Period Total		93	0	242		261	829	1		1	0	1		0	638	47		2113		0	0	0	0
PM Peak Hour Count Summary																							
Peak Volumes	Southbound			Approach	Westbound			Approach	Northbound			Approach	Eastbound			Approach			Pedestrians				
	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total			SB	WB	NB	EB	
	29	0	94	123	95	333	0	428	1	0	1	2	0	243	13	256			809	0	0	0	0
	0.66	0.00	0.84	0.79	0.88	0.88	0.00	0.89	0.25	0.00	0.25	0.50	0.00	0.77	0.46	0.77			0.94				
Trucks	0	0	2		0	7	0		0	0	0		0	11	1								
% Trucks	0%	0%	2%		0%	2%	0%		0%	0%	0%		0%	5%	8%								

Seasonally Adjusted Peak Hour



### Pedestrians and Cars

### Pedestrians and Cars

Peak Hour	0	21	0	92		0	95	326	0		0	1	0	1		0	0	232	12		788
-----------	---	----	---	----	--	---	----	-----	---	--	---	---	---	---	--	---	---	-----	----	--	-----

## Time P

Time Period	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Right	Thru	Left	Volume	Volume
3:30 PM					3						7		10	
3:45 PM				1	3						2		6	
4:00 PM					1						7		8	
4:15 PM				1	1								4	28
4:30 PM			2		2						5	1	10	28
4:45 PM					3						5		8	30
5:00 PM											1		1	23
5:15 PM					2								2	21
5:30 PM					1						1		2	13
5:45 PM					3								3	8
6:00 PM					1						4		5	12
6:15 PM					1						1		2	12
Total	0	0	4	2	21	0	0	0	0	0	33	1		
Peak Hour	0	0	2	0	7	0	0	0	0	0	11	1	21	

## Time 1

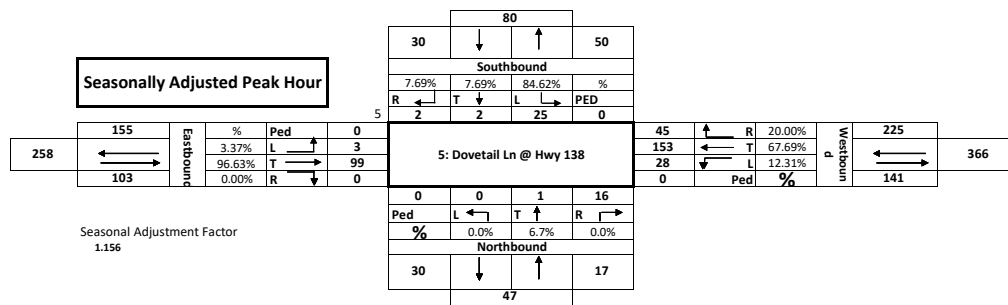
[illegible]

## Time Period

	Left			Right			Total			Left			Right			Total			Left			Right			Total		
3:30 PM			0						0								0			0					0		
3:45 PM			0						0								0			0					0		
4:00 PM			0						0								0			0					0		
4:15 PM			0						0								0			0					0		
4:30 PM			0						0								0			0					0		
4:45 PM			0						0								0			0					0		
5:00 PM			0						0								0			0					0		
5:15 PM			0						0								0			0					0		
5:30 PM			0						0								0			0					0		
5:45 PM			0						0								0			0					0		
6:00 PM			0						0								0			0					0		
6:15 PM			0						0								0			0					0		
Total	0	0	0						0								0	0		0					0		
Peak Hour	0	0	0						0								0	0		0					0		



Intersection: 5: Dovetail Ln @ Hwy 138										City: Sutherlin, OR														
Counter: Sandow Engineering										Date: Wednesday, December 15, 2021														
Total of All Vehicles																								
Time Period		Southbound				Westbound				Northbound				Eastbound				15 Minute Volume	Hourly Volume	Pedestrians				
		Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total	Right	Thru	Left	Approach Total			SB	WB	NB	EB	
15:30	15:45	0	0	11	11	9	26	6	41	5	1	0	6	0	24	0	24	82		0	0	0	0	
15:45	16:00	3	1	6	10	8	17	7	32	0	1	0	1	0	19	2	21	64		0	0	0	0	
16:00	16:15	1	0	10	11	6	24	7	37	5	0	0	5	0	12	0	12	65		0	0	0	0	
16:15	16:30	0	1	13	14	10	36	4	50	4	1	0	5	0	30	1	31	100	311	0	0	0	0	
16:30	16:45	1	1	7	9	8	31	10	49	4	0	0	4	0	18	0	18	80	309	0	0	0	0	
16:45	17:00	0	0	7	7	2	32	3	37	3	1	0	4	0	29	1	30	78	323	0	0	0	0	
17:00	17:15	1	1	5	7	17	30	4	51	4	0	0	4	0	22	1	23	85	343	0	0	0	0	
17:15	17:30	0	0	3	3	12	39	7	58	3	0	0	3	0	17	1	18	82	325	0	0	0	0	
17:30	17:45	1	0	6	7	8	27	5	40	1	1	0	2	0	13	1	14	63	308	0	0	0	0	
17:45	18:00	0	0	2	2	8	29	5	42	2	0	0	2	0	15	1	16	62	292	0	0	0	0	
18:00	18:15	1	0	7	8	7	20	6	33	4	1	1	6	1	11	0	12	59	266	0	0	0	0	
18:15	18:30	0	0	7	7	8	21	1	30	1	0	0	1	0	7	2	9	47	231	0	0	0	0	
Count Period Total		8	4	84		103	332	65		36	6	1		1	217	10		867		0	0	0	0	
PM Peak Hour Count Summary																								
Peak Volumes	Southbound				Approach	Westbound			Approach	Northbound			Approach	Eastbound			Approach			Pedestrians				
	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	Right	Thru	Left	Total	0.96			SB	WB	NB	EB	
	PHF	0.50	0.50	0.79	0.72	0.57	0.85	0.60	0.84	0.88	0.25	0.00	0.94	0.00	0.74	0.75				0.74	0	0	0	0
	Trucks	0	0	2		0	1	0		0	0	0		0	13	0								
% Trucks		0%	0%	9%		0%	1%	0%		0%	0%	0%		0%	15%	0%								



5: Dovetail Ln @ Hwy 138

Pedestrians and Cars

Time Period	Southbound					Westbound					Northbound					Eastbound					15 Minute Volume	Hourly Volume
	Peds	Right	Thru	Left		Peds	Right	Thru	Left		Peds	Right	Thru	Left		Peds	Right	Thru	Left			
3:30 PM				11			9	26	6			5	1					24			82	
3:45 PM		3	1	6			8	17	7				1					19	2		64	
4:00 PM		1		10			6	24	7			5						12			65	
4:15 PM			1	13			10	36	4			4	1					30	1		100	311
4:30 PM		1	1	7			8	31	10			4						18			80	309
4:45 PM				7			2	32	3			3	1					29	1		78	323
5:00 PM		1	1	5			17	30	4			4						22			85	343
5:15 PM				3			12	39	7			3						17	1		82	325
5:30 PM		1		6			8	27	5			1	1					13	1		63	308
5:45 PM				2			8	29	5			2						15	1		62	292
6:00 PM		1		7			7	20	6			4	1	1			1	11			59	266
6:15 PM				7			8	21	1			1						7	2		47	231
Total	0	8	4	84		0	103	332	65		0	36	6	1		0	1	217	10			
Peak Hour	0	4	2	22		0	39	132	24		0	14	1	0		0	0	86	3		325	

Trucks

Time Period	Southbound					Westbound					Northbound					Eastbound				15 Minute Volume	Hourly Volume
	Right	Thru	Left			Right	Thru	Left			Right	Thru	Left			Right	Thru	Left			
3:30 PM																				0	
3:45 PM																				0	
4:00 PM																				0	
4:15 PM																				0	0
4:30 PM																				0	0
4:45 PM																				0	0
5:00 PM																				0	0
5:15 PM																				0	0
5:30 PM																				0	0
5:45 PM																				0	0
6:00 PM																				0	0
6:15 PM																				0	0
Total	0	0	0			0	0	0			0	0	0			0	0	0			
Peak Hour	0	0	2			0	1	0	0		0	0	0			0	13	0		0	

Bikes

Time Period	Southbound					Westbound					Northbound					Eastbound				SB	WB	NB	EB
	Right	Thru	Left			Right	Thru	Left			Right	Thru	Left			Right	Thru	Left					
3:30 PM																				0	0	0	0
3:45 PM																				0	0	0	0
4:00 PM																				0	0	0	0
4:15 PM																				0	0	0	0
4:30 PM																				0	0	0	0
4:45 PM																				0	0	0	0
5:00 PM																				0	0	0	0
5:15 PM																				0	0	0	0
5:30 PM																				0	0	0	0
5:45 PM																				0	0	0	0
6:00 PM																				0	0	0	0
6:15 PM																				0	0	0	0
Total	0	0	0			0	0	0			0	0	0			0	0	0		0	0	0	0
Peak Hour	0	0	0			0	0	0			0	0	0	0		0	0	0		0	0	0	0

Pedestrians

Time Period	NE				NW				SW				SE			SB	WB	NB	EB
	Left	Right	Total		Left	Right	Total		Left	Right	Total		Left	Right	Total				
3:30 PM			0				0				0				0	0	0	0	0
3:45 PM			0				0				0				0	0	0	0	0
4:00 PM			0				0				0				0	0	0	0	0
4:15 PM			0				0				0				0	0	0	0	0
4:30 PM			0				0				0				0	0	0	0	0
4:45 PM			0				0				0				0	0	0	0	0
5:00 PM			0				0				0				0	0	0	0	0
5:15 PM			0				0				0				0	0	0	0	0
5:30 PM			0				0				0				0	0	0	0	0
5:45 PM			0				0				0				0	0	0	0	0
6:00 PM			0				0				0				0	0	0	0	0
6:15 PM			0				0				0				0	0	0	0	0
Total	0	0	0		0	0	0		0	0	0		0	0	0	0	0	0	0
Peak Hour	0	0	0		0	0	0		0	0	0		0	0	0	0	0	0	0

Intersections						
	1: I-15 NB On Off Ramps @ W Central Ave	2: Park Hill Ln @ W Central Ave	3: Park Hill Ln @ I-15 SB On Off Ramps	4: Dakota St @ Hwy 138	5: Dovetail Ln @ Hwy 138	
Time Period	Volume	Volume	Volume	Volume	Volume	Total
3:30 PM 4:30 PM	1,187	1,104	470	710	311	3782
3:45 PM 4:45 PM	1,185	1,082	460	751	309	3787
4:00 PM 5:00 PM	1,222	1,095	477	783	323	3900
4:15 PM 5:15 PM	1,303	1,165	495	796	343	4102
4:30 PM 5:30 PM	1,288	1,193	500	809	325	4115
4:45 PM 5:45 PM	1,264	1,174	458	748	308	3952
5:00 PM 6:00 PM	1,204	1,134	434	715	292	3779
5:15 PM 6:15 PM	1,113	1,058	419	665	266	3521
5:30 PM 6:30 PM	1,049	990	395	594	231	3259
	1303	1193	500	809	343	4115

Peak Hour: 4:30 PM  
4:45 PM  
5:00 PM  
5:15 PM

### Base count volumes

2021 Count									
		30		50					
		R	T	L	PED				
		2	2	2	25	0			
154.9	Ped	0					45	R	
	L	3					153	T	
	T	99					28	L	
102.88	R	0					0	Ped	
		0	0	1	16				
		Ped	L	T	R				
		30		17				346	

		2021 Count							
		151			133			PED	
		R	T	L					
225		2	36	0	116	0			
	Ped		0						
446	L		16					117 R	
	T		299					409 T	
141			0					0 L	
	R							0 Ped	
		0		1	0	1			
		Ped	L	T	R			843	
		0				2			

2022 Count

Approach	Signal	Count
Northbound Park Hill Ln	Red	0
Southbound Park Hill Ln	Red	0
Eastbound W Central Ave	Red	0
Westbound W Central Ave	Red	0
Left Turn (Northbound)	Red	0
Left Turn (Southbound)	Red	0
Left Turn (Eastbound)	Red	0
Left Turn (Westbound)	Red	0
Through/Right Turn (Northbound)	Red	0
Through/Right Turn (Southbound)	Red	0
Through/Right Turn (Eastbound)	Red	0
Through/Right Turn (Westbound)	Red	0
<b>Total</b>		<b>1193</b>

2022 Count

		0	140	
	R	T	L	PED
653	1	0	0	0
648	Ped	0	0	0
359	L	46	1:15 NB On Off Ramps @ W	94 R
		317	Central Ave	416 T
363	R	0		0
				0 Ped
	Ped	0	183	
	L	232	0	
		0	415	

Existing	2023 PM	Volumes
----------	---------	---------

32                  52

	R	T	L	PED	
	2	2	2	27	0

263.44
48
208.66
261
5: Doveetail Ln @ Hwy 138

 2  
4  
205  
0  
  
0  
0  
1  
17  
32  
18

Ped	L	T	R
-----	---	---	---

32                  52

597

				160		140		
				R	T	L	PED	
			2	38	0	122	0	
338								
439	Ped		0					123 R
249	L		17					400 T
	T		315					0 L
332	R		0					0 Ped
				0	1	0	1	
	Ped			L	T		R	1017
				0			3	

[illegible][illegible]

Base Year	2021
Target Year	2023
Years of Growth	2
Growth Rate Per Year	0.028
Growth Factor	1.06

<b>EDIT Highlighted</b>	
Base Year	2022
Target Year	2023
Years of Growth	1
Growth Rate Per Year	0.028
Growth Factor	1.03

<b>EDIT Highlighted</b>	
Base Year	2023
Target Year	2025
Years of Growth	2
Growth Rate Per Year	0.028
Growth Factor	1.06

[illegible]

		<b>0</b>	<b>152</b>	
		R	T L PED	
		1	0 0 0 0	
708	Ped			102 R
	L	50	<b>1: I-5 NB On Off Ramps @ W Central Ave.</b>	457 T
393	T	344		0 L
394	R	0		0 Ped
			0 252 0 198	
	Ped	L	T R	
		<b>0</b>	<b>450</b>	

Base Year	2023
Target Year	2030
Years of Growth	7
Growth Rate Per Year	0.028
Growth Factor	1.19

				190		167		
				R	T	L	PED	
			2	45	0	145	0	
403		Ped	0	4: Daikota St @ Hwy 138				147 R
523.71		T	20					477 T
297		T	376					0
396.14		R	0					0 Ped
				0	2	0	2	
		Ped	L	T	R			1024
				0			3	

1304			0	172		
		R	T	L	PED	
		0	0	0	0	
	1					
801	Ped	0				
						115 R
801	L	56	1:15 NB On Off Ramps @ W Central Ave			517 T
445	T	38				0 L
445	R	0				0 Ped
			0	284	T	224
		Ped	L		R	
				0		509

		407	405	169	100			
		R	T	L	PED			
	2	0	60	347	0			
Ped	0	3: Park Hill Ln @ I-5 SB On Off Ramps				130	R	
0	L					0	T	137
0	T					0	L	376
0	R					0	Ped	
		0	0	39	29			
		Ped	L	T	R			
		67		69				








## RIDGEVIEW SUBDIVISION

HCM 6th TWSC  
3: Dovetail & Elkton Sutherlin Hwy

09/07/2023

Intersection												
Int Delay, s/veh	2.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕		↕			↕	
Traffic Vol, veh/h	5	114	0	10	90	15	0	1	18	36	0	1
Future Vol, veh/h	5	114	0	10	90	15	0	1	18	36	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	135	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	0	11	0	0	20	13	0	0	11	0	0	0
Mvmt Flow	6	128	0	11	101	17	0	1	20	40	0	1
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	118	0	0	128	0	0	272	280	128	274	263	101
Stage 1	-	-	-	-	-	-	140	140	-	123	123	-
Stage 2	-	-	-	-	-	-	132	140	-	151	140	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.31	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.399	3.5	4	3.3
Pot Cap-1 Maneuver	1483	-	-	1470	-	-	685	632	898	683	646	960
Stage 1	-	-	-	-	-	-	868	785	-	886	798	-
Stage 2	-	-	-	-	-	-	876	785	-	856	785	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1483	-	-	1470	-	-	678	624	898	660	638	960
Mov Cap-2 Maneuver	-	-	-	-	-	-	678	624	-	660	638	-
Stage 1	-	-	-	-	-	-	865	782	-	882	792	-
Stage 2	-	-	-	-	-	-	868	779	-	832	782	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.3			0.6			9.2			10.8		
HCM LOS							A			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	878	1483	-	-	1470	-	-	666				
HCM Lane V/C Ratio	0.024	0.004	-	-	0.008	-	-	0.062				
HCM Control Delay (s)	9.2	7.4	0	-	7.5	0	-	10.8				
HCM Lane LOS	A	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	0.2				



Intersection												
Int Delay, s/veh	1.3											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	16	249	0	0	199	53	0	0	0	36	0	12
Future Vol, veh/h	16	249	0	0	199	53	0	0	0	36	0	12
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	115	-	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	0	5	0	0	9	0	0	0	0	0	0	0
Mvmt Flow	18	283	0	0	226	60	0	0	0	41	0	14






Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	286	0	0	283	0	0	582	605	283	545	545	226
Stage 1	-	-	-	-	-	-	319	319	-	226	226	-
Stage 2	-	-	-	-	-	-	263	286	-	319	319	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1288	-	-	1291	-	-	427	415	761	452	449	818
Stage 1	-	-	-	-	-	-	697	657	-	781	721	-
Stage 2	-	-	-	-	-	-	747	679	-	697	657	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1288	-	-	1291	-	-	415	409	761	447	443	818
Mov Cap-2 Maneuver	-	-	-	-	-	-	415	409	-	447	443	-
Stage 1	-	-	-	-	-	-	687	648	-	770	721	-
Stage 2	-	-	-	-	-	-	735	679	-	687	648	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.5	0	0	12.8
HCM LOS			A	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	1288	-	-	1291	-	-	447	818
HCM Lane V/C Ratio	-	0.014	-	-	-	-	-	0.092	0.017
HCM Control Delay (s)	0	7.8	-	-	0	-	-	13.9	9.5
HCM Lane LOS	A	A	-	-	A	-	-	B	A
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0.3	0.1

Intersection

Int Delay, s/veh 3.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	168	167	143	238	44	73
Future Vol, veh/h	168	167	143	238	44	73
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Stop
Storage Length	-	-	190	-	0	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	85	85	85	85	85	85
Heavy Vehicles, %	7	10	9	12	26	14
Mvmt Flow	198	196	168	280	52	86

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	394
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.19
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.281
Pot Cap-1 Maneuver	-	-	1127
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1127
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-



















Approach	EB	WB	NB
HCM Control Delay, s	0	3.3	15.9
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	235	716	-	-	1127	-
HCM Lane V/C Ratio	0.22	0.12	-	-	0.149	-
HCM Control Delay (s)	24.6	10.7	-	-	8.8	-
HCM Lane LOS	C	B	-	-	A	-
HCM 95th %tile Q(veh)	0.8	0.4	-	-	0.5	-

# HCM Signalized Intersection Capacity Analysis

## 14: I-5 NB Ramps & W Central



















09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	27	215	0	0	277	81	104	0	104	0	0	0
Future Volume (vph)	27	215	0	0	277	81	104	0	104	0	0	0
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1319	1620			1636	1305		1363	1417			
Flt Permitted	0.56	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	774	1620			1636	1305		1363	1417			
Peak-hour factor, PHF	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Adj. Flow (vph)	33	262	0	0	338	99	127	0	127	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	52	0	0	95	0	0	0
Lane Group Flow (vph)	33	262	0	0	338	47	0	127	32	0	0	0
Heavy Vehicles (%)	26%	8%	0%	0%	7%	14%	22%	0%	5%	0%	0%	0%
Turn Type	Perm	NA			NA	Perm	Perm	NA	Perm			
Protected Phases		4			8			2				
Permitted Phases	4					8	2		2			
Actuated Green, G (s)	13.8	13.8			13.8	13.8		5.9	5.9			
Effective Green, g (s)	13.8	13.8			13.8	13.8		7.3	7.3			
Actuated g/C Ratio	0.47	0.47			0.47	0.47		0.25	0.25			
Clearance Time (s)	4.0	4.0			4.0	4.0		5.4	5.4			
Vehicle Extension (s)	4.0	4.0			4.0	4.0		2.5	2.5			
Lane Grp Cap (vph)	367	768			775	618		341	355			
v/s Ratio Prot		0.16			0.21							
v/s Ratio Perm	0.04					0.04		0.09	0.02			
v/c Ratio	0.09	0.34			0.44	0.08		0.37	0.09			
Uniform Delay, d1	4.2	4.8			5.1	4.2		9.0	8.4			
Progression Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2	0.1	0.4			0.5	0.1		0.5	0.1			
Delay (s)	4.3	5.2			5.6	4.2		9.5	8.4			
Level of Service	A	A			A	A		A	A			
Approach Delay (s)		5.1			5.3			9.0			0.0	
Approach LOS		A			A			A			A	
<b>Intersection Summary</b>												
HCM 2000 Control Delay			6.2				HCM 2000 Level of Service			A		
HCM 2000 Volume to Capacity ratio			0.41									
Actuated Cycle Length (s)			29.1				Sum of lost time (s)			8.0		
Intersection Capacity Utilization			37.3%				ICU Level of Service			A		
Analysis Period (min)			15									
<b>c Critical Lane Group</b>												

# HCM 6th Signalized Intersection Summary

## 14: I-5 NB Ramps & W Central

09/07/2023




												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	27	215	0	0	277	81	104	0	104	0	0	0
Future Volume (veh/h)	27	215	0	0	277	81	104	0	104	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1395	1641	0	0	1654	1559	1450	1750	1682			
Adj Flow Rate, veh/h	33	262	0	0	338	99	127	0	127			
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82			
Percent Heavy Veh, %	26	8	0	0	7	14	22	0	5			
Cap, veh/h	497	675	0	0	681	544	433	0	370			
Arrive On Green	0.41	0.41	0.00	0.00	0.41	0.41	0.20	0.00	0.26			
Sat Flow, veh/h	771	1641	0	0	1654	1321	1667	0	1425			
Grp Volume(v), veh/h	33	262	0	0	338	99	127	0	127			
Grp Sat Flow(s),veh/h/ln	771	1641	0	0	1654	1321	1667	0	1425			
Q Serve(g_s), s	0.8	2.7	0.0	0.0	3.7	1.2	1.6	0.0	1.8			
Cycle Q Clear(g_c), s	4.5	2.7	0.0	0.0	3.7	1.2	1.6	0.0	1.8			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	497	675	0	0	681	544	433	0	370			
V/C Ratio(X)	0.07	0.39	0.00	0.00	0.50	0.18	0.29	0.00	0.34			
Avail Cap(c_a), veh/h	812	1348	0	0	1359	1085	821	0	702			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	7.0	5.0	0.0	0.0	5.3	4.6	7.8	0.0	7.3			
Incr Delay (d2), s/veh	0.1	0.5	0.0	0.0	0.8	0.2	0.3	0.0	0.4			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.1	0.4	0.0	0.0	0.6	0.2	0.2	0.0	0.2			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	7.0	5.5	0.0	0.0	6.1	4.8	8.1	0.0	7.7			
LnGrp LOS	A	A	A	A	A	A	A	A	A			
Approach Vol, veh/h	295			437			254					
Approach Delay, s/veh	5.7			5.8			7.9					
Approach LOS	A			A			A					
Timer - Assigned Phs	2			4			8					
Phs Duration (G+Y+Rc), s	10.3			14.0			14.0					
Change Period (Y+Rc), s	* 5.4			4.0			4.0					
Max Green Setting (Gmax), s	* 11			20.0			20.0					
Max Q Clear Time (g_c+I1), s	3.8			6.5			5.7					
Green Ext Time (p_c), s	0.6			2.8			4.3					
Intersection Summary												
HCM 6th Ctrl Delay				6.3								
HCM 6th LOS				A								
Notes												
User approved pedestrian interval to be less than phase max green.												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												

HCM 6th TWSC  
17: I-5 Sb ramps & Park Hill

09/07/2023

Intersection

Int Delay, s/veh 7.5

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	2	106	13	8	286	23
Future Vol, veh/h	2	106	13	8	286	23
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	50	18	15	13	10	22
Mvmt Flow	2	122	15	9	329	26

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	704	20	0
Stage 1	20	-	-
Stage 2	684	-	-
Critical Hdwy	6.9	6.38	-
Critical Hdwy Stg 1	5.9	-	-
Critical Hdwy Stg 2	5.9	-	-
Follow-up Hdwy	3.95	3.462	-
Pot Cap-1 Maneuver	339	1013	-
Stage 1	892	-	-
Stage 2	422	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	265	1013	-
Mov Cap-2 Maneuver	265	-	-
Stage 1	892	-	-
Stage 2	330	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.3	0	7.4
HCM LOS	A		








Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	963	1540
HCM Lane V/C Ratio	-	-	0.129	0.213
HCM Control Delay (s)	-	-	9.3	8
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0.4	0.8

# HCM 6th TWSC

## 3: Dovetail & Elkton Sutherlin Hwy






09/07/2023

Intersection												
Int Delay, s/veh	2.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕		↕			↕	
Traffic Vol, veh/h	5	120	0	11	95	16	0	1	19	38	0	1
Future Vol, veh/h	5	120	0	11	95	16	0	1	19	38	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	135	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	0	11	0	0	20	13	0	0	11	0	0	0
Mvmt Flow	6	135	0	12	107	18	0	1	21	43	0	1
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	125	0	0	135	0	0	288	296	135	289	278	107
Stage 1	-	-	-	-	-	-	147	147	-	131	131	-
Stage 2	-	-	-	-	-	-	141	149	-	158	147	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.31	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.399	3.5	4	3.3
Pot Cap-1 Maneuver	1474	-	-	1462	-	-	668	619	890	667	633	953
Stage 1	-	-	-	-	-	-	860	779	-	877	792	-
Stage 2	-	-	-	-	-	-	867	778	-	849	779	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1474	-	-	1462	-	-	661	611	890	644	625	953
Mov Cap-2 Maneuver	-	-	-	-	-	-	661	611	-	644	625	-
Stage 1	-	-	-	-	-	-	857	776	-	873	785	-
Stage 2	-	-	-	-	-	-	858	771	-	824	776	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.3			0.7			9.2			10.9		
HCM LOS							A			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	870	1474	-	-	1462	-	-	649				
HCM Lane V/C Ratio	0.026	0.004	-	-	0.008	-	-	0.068				
HCM Control Delay (s)	9.2	7.5	0	-	7.5	0	-	10.9				
HCM Lane LOS	A	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	0.2				

Intersection												
Int Delay, s/veh	1.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	17	263	0	0	210	56	0	0	0	38	0	13
Future Vol, veh/h	17	263	0	0	210	56	0	0	0	38	0	13
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	115	-	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	0	5	0	0	9	0	0	0	0	0	0	0
Mvmt Flow	19	299	0	0	239	64	0	0	0	43	0	15
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	303	0	0	299	0	0	616	640	299	576	576	239
Stage 1	-	-	-	-	-	-	337	337	-	239	239	-
Stage 2	-	-	-	-	-	-	279	303	-	337	337	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1269	-	-	1274	-	-	406	396	745	431	431	805
Stage 1	-	-	-	-	-	-	681	645	-	769	711	-
Stage 2	-	-	-	-	-	-	732	667	-	681	645	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1269	-	-	1274	-	-	394	390	745	426	425	805
Mov Cap-2 Maneuver	-	-	-	-	-	-	394	390	-	426	425	-
Stage 1	-	-	-	-	-	-	671	635	-	757	711	-
Stage 2	-	-	-	-	-	-	719	667	-	671	635	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.5			0			0			13.2		
HCM LOS							A			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2			
Capacity (veh/h)	-	1269	-	-	1274	-	-	426	805			
HCM Lane V/C Ratio	-	0.015	-	-	-	-	-	0.101	0.018			
HCM Control Delay (s)	0	7.9	-	-	0	-	-	14.4	9.6			
HCM Lane LOS	A	A	-	-	A	-	-	B	A			
HCM 95th %tile Q(veh)	-	0	-	-	0	-	-	0.3	0.1			

Intersection

Int Delay, s/veh 3.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	177	176	151	252	46	77
Future Vol, veh/h	177	176	151	252	46	77
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Stop
Storage Length	-	-	190	-	0	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	85	85	85	85	85	85
Heavy Vehicles, %	7	10	9	12	26	14
Mvmt Flow	208	207	178	296	54	91

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	415
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.19
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.281
Pot Cap-1 Maneuver	-	-	1107
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1107
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	3.3	17
HCM LOS			C



















Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	215	701	-	-	1107	-
HCM Lane V/C Ratio	0.252	0.129	-	-	0.16	-
HCM Control Delay (s)	27.3	10.9	-	-	8.9	-
HCM Lane LOS	D	B	-	-	A	-
HCM 95th %tile Q(veh)	1	0.4	-	-	0.6	-



# HCM Signalized Intersection Capacity Analysis

## 14: I-5 NB Ramps & W Central



















09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	28	227	0	0	292	85	110	0	110	0	0	0
Future Volume (vph)	28	227	0	0	292	85	110	0	110	0	0	0
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1319	1620			1636	1305		1363	1417			
Flt Permitted	0.55	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	761	1620			1636	1305		1363	1417			
Peak-hour factor, PHF	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Adj. Flow (vph)	34	277	0	0	356	104	134	0	134	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	55	0	0	100	0	0	0
Lane Group Flow (vph)	34	277	0	0	356	49	0	134	34	0	0	0
Heavy Vehicles (%)	26%	8%	0%	0%	7%	14%	22%	0%	5%	0%	0%	0%
Turn Type	Perm	NA			NA	Perm	Perm	NA	Perm			
Protected Phases		4			8			2				
Permitted Phases	4					8	2		2			
Actuated Green, G (s)	14.0	14.0			14.0	14.0		6.1	6.1			
Effective Green, g (s)	14.0	14.0			14.0	14.0		7.5	7.5			
Actuated g/C Ratio	0.47	0.47			0.47	0.47		0.25	0.25			
Clearance Time (s)	4.0	4.0			4.0	4.0		5.4	5.4			
Vehicle Extension (s)	4.0	4.0			4.0	4.0		2.5	2.5			
Lane Grp Cap (vph)	361	768			776	619		346	360			
v/s Ratio Prot		0.17			0.22							
v/s Ratio Perm	0.04					0.04		0.10	0.02			
v/c Ratio	0.09	0.36			0.46	0.08		0.39	0.09			
Uniform Delay, d1	4.3	4.9			5.2	4.2		9.1	8.4			
Progression Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2	0.2	0.4			0.6	0.1		0.5	0.1			
Delay (s)	4.4	5.3			5.8	4.3		9.6	8.5			
Level of Service	A	A			A	A		A	A			
Approach Delay (s)		5.2			5.5			9.1			0.0	
Approach LOS		A			A			A			A	
<b>Intersection Summary</b>												
HCM 2000 Control Delay		6.3			HCM 2000 Level of Service			A				
HCM 2000 Volume to Capacity ratio		0.43										
Actuated Cycle Length (s)		29.5			Sum of lost time (s)			8.0				
Intersection Capacity Utilization		38.5%			ICU Level of Service			A				
Analysis Period (min)		15										
<b>c Critical Lane Group</b>												

# HCM 6th Signalized Intersection Summary

## 14: I-5 NB Ramps & W Central

09/07/2023




												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	28	227	0	0	292	85	110	0	110	0	0	0
Future Volume (veh/h)	28	227	0	0	292	85	110	0	110	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1395	1641	0	0	1654	1559	1450	1750	1682			
Adj Flow Rate, veh/h	34	277	0	0	356	104	134	0	134			
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82			
Percent Heavy Veh, %	26	8	0	0	7	14	22	0	5			
Cap, veh/h	486	690	0	0	696	556	432	0	369			
Arrive On Green	0.42	0.42	0.00	0.00	0.42	0.42	0.20	0.00	0.26			
Sat Flow, veh/h	755	1641	0	0	1654	1321	1667	0	1425			
Grp Volume(v), veh/h	34	277	0	0	356	104	134	0	134			
Grp Sat Flow(s),veh/h/ln	755	1641	0	0	1654	1321	1667	0	1425			
Q Serve(g_s), s	0.9	2.9	0.0	0.0	4.0	1.2	1.7	0.0	1.9			
Cycle Q Clear(g_c), s	4.8	2.9	0.0	0.0	4.0	1.2	1.7	0.0	1.9			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	486	690	0	0	696	556	432	0	369			
V/C Ratio(X)	0.07	0.40	0.00	0.00	0.51	0.19	0.31	0.00	0.36			
Avail Cap(c_a), veh/h	773	1314	0	0	1325	1058	801	0	685			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	7.1	5.0	0.0	0.0	5.3	4.5	8.1	0.0	7.6			
Incr Delay (d2), s/veh	0.1	0.5	0.0	0.0	0.8	0.2	0.3	0.0	0.4			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.1	0.5	0.0	0.0	0.7	0.2	0.3	0.0	0.3			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	7.2	5.6	0.0	0.0	6.2	4.8	8.4	0.0	8.0			
LnGrp LOS	A	A	A	A	A	A	A	A	A			
Approach Vol, veh/h	311			460			268					
Approach Delay, s/veh	5.8			5.9			8.2					
Approach LOS	A			A			A					
Timer - Assigned Phs	2			4			8					
Phs Duration (G+Y+Rc), s	10.5			14.5			14.5					
Change Period (Y+Rc), s	* 5.4			4.0			4.0					
Max Green Setting (Gmax), s	* 11			20.0			20.0					
Max Q Clear Time (g_c+I1), s	3.9			6.8			6.0					
Green Ext Time (p_c), s	0.7			2.9			4.5					
Intersection Summary												
HCM 6th Ctrl Delay				6.4								
HCM 6th LOS				A								
Notes												
User approved pedestrian interval to be less than phase max green.												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												

HCM 6th TWSC  
17: I-5 Sb ramps & Park Hill

09/07/2023

Intersection

Int Delay, s/veh 7.5

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	2	112	14	8	302	24
Future Vol, veh/h	2	112	14	8	302	24
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	50	18	15	13	10	22
Mvmt Flow	2	129	16	9	347	28






Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	743	21	0
Stage 1	21	-	-
Stage 2	722	-	-
Critical Hdwy	6.9	6.38	-
Critical Hdwy Stg 1	5.9	-	-
Critical Hdwy Stg 2	5.9	-	-
Follow-up Hdwy	3.95	3.462	-
Pot Cap-1 Maneuver	321	1012	-
Stage 1	891	-	-
Stage 2	404	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	247	1012	-
Mov Cap-2 Maneuver	247	-	-
Stage 1	891	-	-
Stage 2	311	-	-








Approach	WB	NB	SB
HCM Control Delay, s	9.3	0	7.4
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	960	1539
HCM Lane V/C Ratio	-	-	0.136	0.226
HCM Control Delay (s)	-	-	9.3	8
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0.5	0.9

HCM 6th TWSC  
3: Dovetail & Elkton Sutherlin Hwy

09/07/2023

Intersection												
Int Delay, s/veh	3.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	6	120	0	11	95	32	0	1	19	88	0	2
Future Vol, veh/h	6	120	0	11	95	32	0	1	19	88	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	135	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	0	11	0	0	20	13	0	0	11	0	0	0
Mvmt Flow	7	135	0	12	107	36	0	1	21	99	0	2
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	143	0	0	135	0	0	299	316	135	291	280	107
Stage 1	-	-	-	-	-	-	149	149	-	131	131	-
Stage 2	-	-	-	-	-	-	150	167	-	160	149	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.31	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.399	3.5	4	3.3
Pot Cap-1 Maneuver	1452	-	-	1462	-	-	657	603	890	665	632	953
Stage 1	-	-	-	-	-	-	858	778	-	877	792	-
Stage 2	-	-	-	-	-	-	857	764	-	847	778	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1452	-	-	1462	-	-	648	595	890	641	623	953
Mov Cap-2 Maneuver	-	-	-	-	-	-	648	595	-	641	623	-
Stage 1	-	-	-	-	-	-	854	774	-	873	785	-
Stage 2	-	-	-	-	-	-	847	757	-	821	774	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.4			0.6			9.3			11.6		
HCM LOS							A			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	868	1452	-	-	1462	-	-	646				
HCM Lane V/C Ratio	0.026	0.005	-	-	0.008	-	-	0.157				
HCM Control Delay (s)	9.3	7.5	0	-	7.5	0	-	11.6				
HCM Lane LOS	A	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	0.6				






Intersection												
Int Delay, s/veh	1.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	22	306	0	0	222	56	0	0	0	38	0	16
Future Vol, veh/h	22	306	0	0	222	56	0	0	0	38	0	16
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	115	-	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	0	5	0	0	9	0	0	0	0	0	0	0
Mvmt Flow	25	348	0	0	252	64	0	0	0	43	0	18
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	316	0	0	348	0	0	691	714	348	650	650	252
Stage 1	-	-	-	-	-	-	398	398	-	252	252	-
Stage 2	-	-	-	-	-	-	293	316	-	398	398	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1256	-	-	1222	-	-	362	359	700	385	391	792
Stage 1	-	-	-	-	-	-	632	606	-	757	702	-
Stage 2	-	-	-	-	-	-	719	659	-	632	606	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1256	-	-	1222	-	-	348	352	700	379	383	792
Mov Cap-2 Maneuver	-	-	-	-	-	-	348	352	-	379	383	-
Stage 1	-	-	-	-	-	-	619	594	-	742	702	-
Stage 2	-	-	-	-	-	-	702	659	-	619	594	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.5			0			0			13.9		
HCM LOS							A			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2			
Capacity (veh/h)	-	1256	-	-	1222	-	-	379	792			
HCM Lane V/C Ratio	-	0.02	-	-	-	-	-	0.114	0.023			
HCM Control Delay (s)	0	7.9	-	-	0	-	-	15.7	9.7			
HCM Lane LOS	A	A	-	-	A	-	-	C	A			
HCM 95th %tile Q(veh)	-	0.1	-	-	0	-	-	0.4	0.1			

HCM 6th TWSC  
12: Park Hill & W Central

09/07/2023

Intersection

Int Delay, s/veh 3.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	199	197	151	262	48	77
Future Vol, veh/h	199	197	151	262	48	77
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Stop
Storage Length	-	-	190	-	0	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	85	85	85	85	85	85
Heavy Vehicles, %	7	10	9	12	26	14
Mvmt Flow	234	232	178	308	56	91

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	466
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.19
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.281
Pot Cap-1 Maneuver	-	-	1060
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1060
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-



















Approach	EB	WB	NB
HCM Control Delay, s	0	3.3	18.5
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	199	667	-	-	1060	-
HCM Lane V/C Ratio	0.284	0.136	-	-	0.168	-
HCM Control Delay (s)	30.1	11.2	-	-	9.1	-
HCM Lane LOS	D	B	-	-	A	-
HCM 95th %tile Q(veh)	1.1	0.5	-	-	0.6	-

# HCM Signalized Intersection Capacity Analysis

## 14: I-5 NB Ramps & W Central



















09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	30	247	0	0	299	85	113	0	110	0	0	0
Future Volume (vph)	30	247	0	0	299	85	113	0	110	0	0	0
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1319	1620			1636	1305		1363	1417			
Flt Permitted	0.54	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	755	1620			1636	1305		1363	1417			
Peak-hour factor, PHF	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Adj. Flow (vph)	37	301	0	0	365	104	138	0	134	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	54	0	0	100	0	0	0
Lane Group Flow (vph)	37	301	0	0	365	50	0	138	34	0	0	0
Heavy Vehicles (%)	26%	8%	0%	0%	7%	14%	22%	0%	5%	0%	0%	0%
Turn Type	Perm	NA			NA	Perm	Perm	NA	Perm			
Protected Phases		4			8			2				
Permitted Phases	4					8	2		2			
Actuated Green, G (s)	14.4	14.4			14.4	14.4		6.2	6.2			
Effective Green, g (s)	14.4	14.4			14.4	14.4		7.6	7.6			
Actuated g/C Ratio	0.48	0.48			0.48	0.48		0.25	0.25			
Clearance Time (s)	4.0	4.0			4.0	4.0		5.4	5.4			
Vehicle Extension (s)	4.0	4.0			4.0	4.0		2.5	2.5			
Lane Grp Cap (vph)	362	777			785	626		345	358			
v/s Ratio Prot		0.19			0.22							
v/s Ratio Perm	0.05					0.04		0.10	0.02			
v/c Ratio	0.10	0.39			0.46	0.08		0.40	0.09			
Uniform Delay, d1	4.3	5.0			5.2	4.2		9.3	8.6			
Progression Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2	0.2	0.4			0.6	0.1		0.6	0.1			
Delay (s)	4.4	5.4			5.8	4.3		9.9	8.7			
Level of Service	A	A			A	A		A	A			
Approach Delay (s)		5.3			5.5			9.3			0.0	
Approach LOS		A			A			A			A	
<b>Intersection Summary</b>												
HCM 2000 Control Delay		6.4			HCM 2000 Level of Service			A				
HCM 2000 Volume to Capacity ratio		0.44										
Actuated Cycle Length (s)		30.0			Sum of lost time (s)			8.0				
Intersection Capacity Utilization		40.5%			ICU Level of Service			A				
Analysis Period (min)		15										
<b>c Critical Lane Group</b>												

# HCM 6th Signalized Intersection Summary

## 14: I-5 NB Ramps & W Central

09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	30	247	0	0	299	85	113	0	110	0	0	0
Future Volume (veh/h)	30	247	0	0	299	85	113	0	110	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1395	1641	0	0	1654	1559	1450	1750	1682			
Adj Flow Rate, veh/h	37	301	0	0	365	104	138	0	134			
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82			
Percent Heavy Veh, %	26	8	0	0	7	14	22	0	5			
Cap, veh/h	480	689	0	0	695	555	433	0	370			
Arrive On Green	0.42	0.42	0.00	0.00	0.42	0.42	0.20	0.00	0.26			
Sat Flow, veh/h	748	1641	0	0	1654	1321	1667	0	1425			
Grp Volume(v), veh/h	37	301	0	0	365	104	138	0	134			
Grp Sat Flow(s),veh/h/ln	748	1641	0	0	1654	1321	1667	0	1425			
Q Serve(g_s), s	1.0	3.3	0.0	0.0	4.1	1.2	1.8	0.0	1.9			
Cycle Q Clear(g_c), s	5.1	3.3	0.0	0.0	4.1	1.2	1.8	0.0	1.9			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	480	689	0	0	695	555	433	0	370			
V/C Ratio(X)	0.08	0.44	0.00	0.00	0.53	0.19	0.32	0.00	0.36			
Avail Cap(c_a), veh/h	734	1248	0	0	1258	1005	867	0	741			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	7.3	5.1	0.0	0.0	5.4	4.6	8.1	0.0	7.6			
Incr Delay (d2), s/veh	0.1	0.6	0.0	0.0	0.9	0.2	0.3	0.0	0.4			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.1	0.5	0.0	0.0	0.7	0.2	0.3	0.0	0.3			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	7.4	5.8	0.0	0.0	6.3	4.8	8.4	0.0	8.0			
LnGrp LOS	A	A	A	A	A	A	A	A	A			
Approach Vol, veh/h	338			469			272					
Approach Delay, s/veh	5.9			5.9			8.2					
Approach LOS	A			A			A					
Timer - Assigned Phs	2			4			8					
Phs Duration (G+Y+Rc), s	10.5			14.5			14.5					
Change Period (Y+Rc), s	* 5.4			4.0			4.0					
Max Green Setting (Gmax), s	* 12			19.0			19.0					
Max Q Clear Time (g_c+I1), s	3.9			7.1			6.1					
Green Ext Time (p_c), s	0.7			3.0			4.4					
Intersection Summary												
HCM 6th Ctrl Delay				6.5								
HCM 6th LOS				A								
Notes												
User approved pedestrian interval to be less than phase max green.												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												






HCM 6th TWSC  
17: I-5 Sb ramps & Park Hill

09/07/2023

Intersection

Int Delay, s/veh 7.6

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	2	114	14	8	323	24
Future Vol, veh/h	2	114	14	8	323	24
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	50	18	15	13	10	22
Mvmt Flow	2	131	16	9	371	28

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	791	21	0
Stage 1	21	-	-
Stage 2	770	-	-
Critical Hdwy	6.9	6.38	-
Critical Hdwy Stg 1	5.9	-	-
Critical Hdwy Stg 2	5.9	-	-
Follow-up Hdwy	3.95	3.462	-
Pot Cap-1 Maneuver	299	1012	-
Stage 1	891	-	-
Stage 2	382	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	226	1012	-
Mov Cap-2 Maneuver	226	-	-
Stage 1	891	-	-
Stage 2	288	-	-






Approach	WB	NB	SB
HCM Control Delay, s	9.4	0	7.5
HCM LOS	A		








Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	955	1539
HCM Lane V/C Ratio	-	-	0.14	0.241
HCM Control Delay (s)	-	-	9.4	8.1
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0.5	0.9

# HCM 6th TWSC

## 3: Dovetail & Elkton Sutherlin Hwy

09/07/2023

Intersection												
Int Delay, s/veh	2.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	6	136	0	12	108	18	0	1	22	43	0	1
Future Vol, veh/h	6	136	0	12	108	18	0	1	22	43	0	1
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	135	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	0	11	0	0	20	13	0	0	11	0	0	0
Mvmt Flow	7	153	0	13	121	20	0	1	25	48	0	1
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	141	0	0	153	0	0	325	334	153	327	314	121
Stage 1	-	-	-	-	-	-	167	167	-	147	147	-
Stage 2	-	-	-	-	-	-	158	167	-	180	167	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.31	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.399	3.5	4	3.3
Pot Cap-1 Maneuver	1455	-	-	1440	-	-	632	589	870	630	605	936
Stage 1	-	-	-	-	-	-	840	764	-	860	779	-
Stage 2	-	-	-	-	-	-	849	764	-	826	764	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1455	-	-	1440	-	-	624	580	870	604	596	936
Mov Cap-2 Maneuver	-	-	-	-	-	-	624	580	-	604	596	-
Stage 1	-	-	-	-	-	-	836	760	-	856	771	-
Stage 2	-	-	-	-	-	-	840	756	-	797	760	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.3			0.7			9.4			11.4		
HCM LOS							A			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	851	1455	-	-	1440	-	-	609				
HCM Lane V/C Ratio	0.03	0.005	-	-	0.009	-	-	0.081				
HCM Control Delay (s)	9.4	7.5	0	-	7.5	0	-	11.4				
HCM Lane LOS	A	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	0.3				

Intersection												
Int Delay, s/veh	1.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	20	297	0	0	237	64	0	0	0	43	0	15
Future Vol, veh/h	20	297	0	0	237	64	0	0	0	43	0	15
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	115	-	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	0	5	0	0	9	0	0	0	0	0	0	0
Mvmt Flow	23	338	0	0	269	73	0	0	0	49	0	17






Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	342	0	0	338	0	0	698	726	338	653	653	269
Stage 1	-	-	-	-	-	-	384	384	-	269	269	-
Stage 2	-	-	-	-	-	-	314	342	-	384	384	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1228	-	-	1232	-	-	358	354	709	383	389	775
Stage 1	-	-	-	-	-	-	643	615	-	741	690	-
Stage 2	-	-	-	-	-	-	701	642	-	643	615	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1228	-	-	1232	-	-	345	347	709	378	382	775
Mov Cap-2 Maneuver	-	-	-	-	-	-	345	347	-	378	382	-
Stage 1	-	-	-	-	-	-	631	603	-	727	690	-
Stage 2	-	-	-	-	-	-	686	642	-	631	603	-

Approach	EB	WB	NB	SB
HCM Control Delay, s	0.5	0	0	14.3
HCM LOS			A	B

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	-	1228	-	-	1232	-	-	378	775
HCM Lane V/C Ratio	-	0.019	-	-	-	-	-	0.129	0.022
HCM Control Delay (s)	0	8	-	-	0	-	-	15.9	9.8
HCM Lane LOS	A	A	-	-	A	-	-	C	A
HCM 95th %tile Q(veh)	-	0.1	-	-	0	-	-	0.4	0.1

Intersection

Int Delay, s/veh 4.5

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	201	199	170	285	52	88
Future Vol, veh/h	201	199	170	285	52	88
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Stop
Storage Length	-	-	190	-	0	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	85	85	85	85	85	85
Heavy Vehicles, %	7	10	9	12	26	14
Mvmt Flow	236	234	200	335	61	104

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	470
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.19
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.281
Pot Cap-1 Maneuver	-	-	1056
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1056
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-



















Approach	EB	WB	NB
HCM Control Delay, s	0	3.4	20.7
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	174	664	-	-	1056	-
HCM Lane V/C Ratio	0.352	0.156	-	-	0.189	-
HCM Control Delay (s)	36.5	11.4	-	-	9.2	-
HCM Lane LOS	E	B	-	-	A	-
HCM 95th %tile Q(veh)	1.5	0.6	-	-	0.7	-

# HCM Signalized Intersection Capacity Analysis

## 14: I-5 NB Ramps & W Central



















09/07/2023




												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	32	257	0	0	331	97	124	0	124	0	0	0
Future Volume (vph)	32	257	0	0	331	97	124	0	124	0	0	0
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1319	1620			1636	1305		1363	1417			
Flt Permitted	0.50	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	701	1620			1636	1305		1363	1417			
Peak-hour factor, PHF	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Adj. Flow (vph)	39	313	0	0	404	118	151	0	151	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	60	0	0	113	0	0	0
Lane Group Flow (vph)	39	313	0	0	404	58	0	151	38	0	0	0
Heavy Vehicles (%)	26%	8%	0%	0%	7%	14%	22%	0%	5%	0%	0%	0%
Turn Type	Perm	NA			NA	Perm	Perm	NA	Perm			
Protected Phases		4			8			2				
Permitted Phases	4					8	2		2			
Actuated Green, G (s)	15.1	15.1			15.1	15.1		6.4	6.4			
Effective Green, g (s)	15.1	15.1			15.1	15.1		7.8	7.8			
Actuated g/C Ratio	0.49	0.49			0.49	0.49		0.25	0.25			
Clearance Time (s)	4.0	4.0			4.0	4.0		5.4	5.4			
Vehicle Extension (s)	4.0	4.0			4.0	4.0		2.5	2.5			
Lane Grp Cap (vph)	342	791			799	637		344	357			
v/s Ratio Prot		0.19			0.25							
v/s Ratio Perm	0.06					0.04		0.11	0.03			
v/c Ratio	0.11	0.40			0.51	0.09		0.44	0.11			
Uniform Delay, d1	4.3	5.0			5.4	4.2		9.7	8.9			
Progression Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2	0.2	0.4			0.7	0.1		0.7	0.1			
Delay (s)	4.5	5.5			6.1	4.3		10.4	9.0			
Level of Service	A	A			A	A		B	A			
Approach Delay (s)		5.3			5.7			9.7			0.0	
Approach LOS		A			A			A			A	
<b>Intersection Summary</b>												
HCM 2000 Control Delay		6.6			HCM 2000 Level of Service			A				
HCM 2000 Volume to Capacity ratio		0.48										
Actuated Cycle Length (s)		30.9			Sum of lost time (s)			8.0				
Intersection Capacity Utilization		43.0%			ICU Level of Service			A				
Analysis Period (min)		15										
<b>c Critical Lane Group</b>												

# HCM 6th Signalized Intersection Summary

## 14: I-5 NB Ramps & W Central

09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	32	257	0	0	331	97	124	0	124	0	0	0
Future Volume (veh/h)	32	257	0	0	331	97	124	0	124	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1395	1641	0	0	1654	1559	1450	1750	1682			
Adj Flow Rate, veh/h	39	313	0	0	404	118	151	0	151			
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82			
Percent Heavy Veh, %	26	8	0	0	7	14	22	0	5			
Cap, veh/h	458	720	0	0	726	579	428	0	366			
Arrive On Green	0.44	0.44	0.00	0.00	0.44	0.44	0.20	0.00	0.26			
Sat Flow, veh/h	713	1641	0	0	1654	1321	1667	0	1425			
Grp Volume(v), veh/h	39	313	0	0	404	118	151	0	151			
Grp Sat Flow(s),veh/h/ln	713	1641	0	0	1654	1321	1667	0	1425			
Q Serve(g_s), s	1.1	3.5	0.0	0.0	4.8	1.4	2.0	0.0	2.3			
Cycle Q Clear(g_c), s	5.9	3.5	0.0	0.0	4.8	1.4	2.0	0.0	2.3			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	458	720	0	0	726	579	428	0	366			
V/C Ratio(X)	0.09	0.44	0.00	0.00	0.56	0.20	0.35	0.00	0.41			
Avail Cap(c_a), veh/h	661	1188	0	0	1198	956	826	0	706			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	7.7	5.1	0.0	0.0	5.5	4.5	8.6	0.0	8.1			
Incr Delay (d2), s/veh	0.1	0.6	0.0	0.0	1.0	0.2	0.4	0.0	0.6			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.1	0.6	0.0	0.0	0.8	0.2	0.4	0.0	0.4			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	7.8	5.7	0.0	0.0	6.4	4.8	9.0	0.0	8.7			
LnGrp LOS	A	A	A	A	A	A	A	A	A			
Approach Vol, veh/h	352			522			302					
Approach Delay, s/veh	5.9			6.1			8.8					
Approach LOS	A			A			A					
Timer - Assigned Phs	2			4			8					
Phs Duration (G+Y+Rc), s	10.7			15.5			15.5					
Change Period (Y+Rc), s	* 5.4			4.0			4.0					
Max Green Setting (Gmax), s	* 12			19.0			19.0					
Max Q Clear Time (g_c+I1), s	4.3			7.9			6.8					
Green Ext Time (p_c), s	0.8			3.0			4.7					
Intersection Summary												
HCM 6th Ctrl Delay				6.7								
HCM 6th LOS				A								
Notes												
User approved pedestrian interval to be less than phase max green.												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												

Intersection						
Int Delay, s/veh	7.7					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	2	126	16	10	341	27
Future Vol, veh/h	2	126	16	10	341	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	50	18	15	13	10	22
Mvmt Flow	2	145	18	11	392	31
Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	839	24	0	0	29	0
Stage 1	24	-	-	-	-	-
Stage 2	815	-	-	-	-	-
Critical Hdwy	6.9	6.38	-	-	4.2	-
Critical Hdwy Stg 1	5.9	-	-	-	-	-
Critical Hdwy Stg 2	5.9	-	-	-	-	-
Follow-up Hdwy	3.95	3.462	-	-	2.29	-
Pot Cap-1 Maneuver	279	1008	-	-	1534	-
Stage 1	888	-	-	-	-	-
Stage 2	363	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	206	1008	-	-	1534	-
Mov Cap-2 Maneuver	206	-	-	-	-	-
Stage 1	888	-	-	-	-	-
Stage 2	269	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	9.5	0		7.6		
HCM LOS	A					
Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT		
Capacity (veh/h)	-	-	950	1534	-	
HCM Lane V/C Ratio	-	-	0.155	0.256	-	
HCM Control Delay (s)	-	-	9.5	8.2	0	
HCM Lane LOS	-	-	A	A	A	
HCM 95th %tile Q(veh)	-	-	0.5	1	-	








# HCM 6th TWSC

## 3: Dovetail & Elkton Sutherlin Hwy

09/07/2023






Intersection												
Int Delay, s/veh	3.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↕		↕			↕	
Traffic Vol, veh/h	7	136	0	12	108	34	0	1	22	93	0	2
Future Vol, veh/h	7	136	0	12	108	34	0	1	22	93	0	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	135	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	89	89	89	89	89	89	89	89	89	89	89	89
Heavy Vehicles, %	0	11	0	0	20	13	0	0	11	0	0	0
Mvmt Flow	8	153	0	13	121	38	0	1	25	104	0	2
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	159	0	0	153	0	0	336	354	153	329	316	121
Stage 1	-	-	-	-	-	-	169	169	-	147	147	-
Stage 2	-	-	-	-	-	-	167	185	-	182	169	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.31	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.399	3.5	4	3.3
Pot Cap-1 Maneuver	1433	-	-	1440	-	-	622	574	870	628	603	936
Stage 1	-	-	-	-	-	-	838	763	-	860	779	-
Stage 2	-	-	-	-	-	-	840	751	-	824	763	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1433	-	-	1440	-	-	613	565	870	602	593	936
Mov Cap-2 Maneuver	-	-	-	-	-	-	613	565	-	602	593	-
Stage 1	-	-	-	-	-	-	833	758	-	855	771	-
Stage 2	-	-	-	-	-	-	830	743	-	795	758	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.4			0.6			9.4			12.2		
HCM LOS							A			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	850	1433	-	-	1440	-	-	607				
HCM Lane V/C Ratio	0.03	0.005	-	-	0.009	-	-	0.176				
HCM Control Delay (s)	9.4	7.5	0	-	7.5	0	-	12.2				
HCM Lane LOS	A	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.1	0	-	-	0	-	-	0.6				



Intersection												
Int Delay, s/veh	1.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	25	340	0	0	249	64	0	0	0	43	0	18
Future Vol, veh/h	25	340	0	0	249	64	0	0	0	43	0	18
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	115	-	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	88	88	88	88	88	88	88	88	88	88	88	88
Heavy Vehicles, %	0	5	0	0	9	0	0	0	0	0	0	0
Mvmt Flow	28	386	0	0	283	73	0	0	0	49	0	20
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	356	0	0	386	0	0	772	798	386	725	725	283
Stage 1	-	-	-	-	-	-	442	442	-	283	283	-
Stage 2	-	-	-	-	-	-	330	356	-	442	442	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.1	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.1	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.5	4	3.3
Pot Cap-1 Maneuver	1214	-	-	1184	-	-	319	321	666	343	354	761
Stage 1	-	-	-	-	-	-	598	580	-	728	681	-
Stage 2	-	-	-	-	-	-	687	633	-	598	580	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1214	-	-	1184	-	-	305	314	666	337	346	761
Mov Cap-2 Maneuver	-	-	-	-	-	-	305	314	-	337	346	-
Stage 1	-	-	-	-	-	-	584	567	-	711	681	-
Stage 2	-	-	-	-	-	-	669	633	-	584	567	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.6			0			0			15.3		
HCM LOS							A			C		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2			
Capacity (veh/h)	-	1214	-	-	1184	-	-	337	761			
HCM Lane V/C Ratio	-	0.023	-	-	-	-	-	0.145	0.027			
HCM Control Delay (s)	0	8	-	-	0	-	-	17.5	9.9			
HCM Lane LOS	A	A	-	-	A	-	-	C	A			
HCM 95th %tile Q(veh)	-	0.1	-	-	0	-	-	0.5	0.1			

Intersection

Int Delay, s/veh 4.7

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	223	220	170	295	54	88
Future Vol, veh/h	223	220	170	295	54	88
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Stop
Storage Length	-	-	190	-	0	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	85	85	85	85	85	85
Heavy Vehicles, %	7	10	9	12	26	14
Mvmt Flow	262	259	200	347	64	104

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	521
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.19
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.281
Pot Cap-1 Maneuver	-	-	1011
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1011
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-



















Approach	EB	WB	NB
HCM Control Delay, s	0	3.5	23.1
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	160	631	-	-	1011	-
HCM Lane V/C Ratio	0.397	0.164	-	-	0.198	-
HCM Control Delay (s)	41.6	11.8	-	-	9.4	-
HCM Lane LOS	E	B	-	-	A	-
HCM 95th %tile Q(veh)	1.7	0.6	-	-	0.7	-

# HCM Signalized Intersection Capacity Analysis

## 14: I-5 NB Ramps & W Central



















09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	34	277	0	0	338	97	127	0	124	0	0	0
Future Volume (vph)	34	277	0	0	338	97	127	0	124	0	0	0
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1319	1620			1636	1305		1363	1417			
Flt Permitted	0.50	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	689	1620			1636	1305		1363	1417			
Peak-hour factor, PHF	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82
Adj. Flow (vph)	41	338	0	0	412	118	155	0	151	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	60	0	0	113	0	0	0
Lane Group Flow (vph)	41	338	0	0	412	58	0	155	38	0	0	0
Heavy Vehicles (%)	26%	8%	0%	0%	7%	14%	22%	0%	5%	0%	0%	0%
Turn Type	Perm	NA			NA	Perm	Perm	NA	Perm			
Protected Phases		4			8			2				
Permitted Phases	4					8	2		2			
Actuated Green, G (s)	15.3	15.3			15.3	15.3		6.5	6.5			
Effective Green, g (s)	15.3	15.3			15.3	15.3		7.9	7.9			
Actuated g/C Ratio	0.49	0.49			0.49	0.49		0.25	0.25			
Clearance Time (s)	4.0	4.0			4.0	4.0		5.4	5.4			
Vehicle Extension (s)	4.0	4.0			4.0	4.0		2.5	2.5			
Lane Grp Cap (vph)	337	794			802	639		345	358			
v/s Ratio Prot		0.21			0.25							
v/s Ratio Perm	0.06					0.04		0.11	0.03			
v/c Ratio	0.12	0.43			0.51	0.09		0.45	0.11			
Uniform Delay, d1	4.3	5.1			5.4	4.2		9.8	8.9			
Progression Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2	0.2	0.5			0.7	0.1		0.7	0.1			
Delay (s)	4.5	5.6			6.2	4.3		10.5	9.0			
Level of Service	A	A			A	A		B	A			
Approach Delay (s)		5.5			5.7			9.8			0.0	
Approach LOS		A			A			A			A	
<b>Intersection Summary</b>												
HCM 2000 Control Delay		6.7			HCM 2000 Level of Service			A				
HCM 2000 Volume to Capacity ratio		0.49										
Actuated Cycle Length (s)		31.2			Sum of lost time (s)			8.0				
Intersection Capacity Utilization		45.0%			ICU Level of Service			A				
Analysis Period (min)		15										
<b>c Critical Lane Group</b>												

# HCM 6th Signalized Intersection Summary




## 14: I-5 NB Ramps & W Central

09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	34	277	0	0	338	97	127	0	124	0	0	0
Future Volume (veh/h)	34	277	0	0	338	97	127	0	124	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1395	1641	0	0	1654	1559	1450	1750	1682			
Adj Flow Rate, veh/h	41	338	0	0	412	118	155	0	151			
Peak Hour Factor	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82	0.82			
Percent Heavy Veh, %	26	8	0	0	7	14	22	0	5			
Cap, veh/h	454	725	0	0	731	584	426	0	365			
Arrive On Green	0.44	0.44	0.00	0.00	0.44	0.44	0.20	0.00	0.26			
Sat Flow, veh/h	707	1641	0	0	1654	1321	1667	0	1425			
Grp Volume(v), veh/h	41	338	0	0	412	118	155	0	151			
Grp Sat Flow(s),veh/h/ln	707	1641	0	0	1654	1321	1667	0	1425			
Q Serve(g_s), s	1.2	3.8	0.0	0.0	4.9	1.4	2.1	0.0	2.3			
Cycle Q Clear(g_c), s	6.1	3.8	0.0	0.0	4.9	1.4	2.1	0.0	2.3			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	454	725	0	0	731	584	426	0	365			
V/C Ratio(X)	0.09	0.47	0.00	0.00	0.56	0.20	0.36	0.00	0.41			
Avail Cap(c_a), veh/h	649	1178	0	0	1188	949	819	0	700			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	7.8	5.2	0.0	0.0	5.5	4.5	8.7	0.0	8.2			
Incr Delay (d2), s/veh	0.1	0.7	0.0	0.0	1.0	0.2	0.4	0.0	0.6			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.1	0.7	0.0	0.0	0.9	0.2	0.4	0.0	0.4			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	7.9	5.9	0.0	0.0	6.5	4.8	9.1	0.0	8.8			
LnGrp LOS	A	A	A	A	A	A	A	A	A			
Approach Vol, veh/h	379			530			306					
Approach Delay, s/veh	6.1			6.1			8.9					
Approach LOS	A			A			A					
Timer - Assigned Phs	2			4			8					
Phs Duration (G+Y+Rc), s	10.8			15.7			15.7					
Change Period (Y+Rc), s	* 5.4			4.0			4.0					
Max Green Setting (Gmax), s	* 12			19.0			19.0					
Max Q Clear Time (g_c+I1), s	4.3			8.1			6.9					
Green Ext Time (p_c), s	0.8			3.2			4.8					
Intersection Summary												
HCM 6th Ctrl Delay				6.8								
HCM 6th LOS				A								
Notes												
User approved pedestrian interval to be less than phase max green.												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												

Intersection

Int Delay, s/veh 7.7

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	2	128	16	10	362	27
Future Vol, veh/h	2	128	16	10	362	27
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	87	87	87	87	87	87
Heavy Vehicles, %	50	18	15	13	10	22
Mvmt Flow	2	147	18	11	416	31






Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	887	24	0
Stage 1	24	-	-
Stage 2	863	-	-
Critical Hdwy	6.9	6.38	-
Critical Hdwy Stg 1	5.9	-	-
Critical Hdwy Stg 2	5.9	-	-
Follow-up Hdwy	3.95	3.462	-
Pot Cap-1 Maneuver	260	1008	-
Stage 1	888	-	-
Stage 2	343	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	188	1008	-
Mov Cap-2 Maneuver	188	-	-
Stage 1	888	-	-
Stage 2	248	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.5	0	7.6
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	945	1534
HCM Lane V/C Ratio	-	-	0.158	0.271
HCM Control Delay (s)	-	-	9.5	8.2
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0.6	1.1








HCM 6th TWSC  
3: Dovetail & Elkton Sutherlin Hwy

09/07/2023

Intersection												
Int Delay, s/veh	1.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	4	205	0	29	261	48	0	1	17	27	2	2
Future Vol, veh/h	4	205	0	29	261	48	0	1	17	27	2	2
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	135	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	0	15	0	0	1	0	0	0	0	9	0	0
Mvmt Flow	4	214	0	30	272	50	0	1	18	28	2	2
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	322	0	0	214	0	0	581	604	214	564	554	272
Stage 1	-	-	-	-	-	-	222	222	-	332	332	-
Stage 2	-	-	-	-	-	-	359	382	-	232	222	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.19	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.19	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.19	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.581	4	3.3
Pot Cap-1 Maneuver	1249	-	-	1368	-	-	428	415	831	426	443	772
Stage 1	-	-	-	-	-	-	785	723	-	667	648	-
Stage 2	-	-	-	-	-	-	663	616	-	755	723	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1249	-	-	1368	-	-	415	402	831	406	429	772
Mov Cap-2 Maneuver	-	-	-	-	-	-	415	402	-	406	429	-
Stage 1	-	-	-	-	-	-	782	720	-	664	631	-
Stage 2	-	-	-	-	-	-	641	599	-	735	720	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.2			0.7			9.7			14.3		
HCM LOS							A			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	784	1249	-	-	1368	-	-	420				
HCM Lane V/C Ratio	0.024	0.003	-	-	0.022	-	-	0.077				
HCM Control Delay (s)	9.7	7.9	0	-	7.7	0	-	14.3				
HCM Lane LOS	A	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.1	0	-	-	0.1	-	-	0.2				

HCM 6th TWSC  
8: W Central & Dakota St

09/07/2023

Intersection												
Int Delay, s/veh	3.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	17	315	0	0	400	123	1	0	1	122	0	38
Future Vol, veh/h	17	315	0	0	400	123	1	0	1	122	0	38
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	115	-	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	92	92	94	94	92	92	92	94	92	94
Heavy Vehicles, %	8	5	2	2	2	0	2	2	2	2	2	0
Mvmt Flow	18	335	0	0	426	131	1	0	1	130	0	40

Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	557	0	0	335	0	0	883	928	335	798	797	426
Stage 1	-	-	-	-	-	-	371	371	-	426	426	-
Stage 2	-	-	-	-	-	-	512	557	-	372	371	-
Critical Hdwy	4.18	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.272	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.3
Pot Cap-1 Maneuver	984	-	-	1224	-	-	266	268	707	304	319	633
Stage 1	-	-	-	-	-	-	649	620	-	606	586	-
Stage 2	-	-	-	-	-	-	545	512	-	648	620	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	984	-	-	1224	-	-	246	263	707	299	313	633
Mov Cap-2 Maneuver	-	-	-	-	-	-	246	263	-	299	313	-
Stage 1	-	-	-	-	-	-	637	609	-	595	586	-
Stage 2	-	-	-	-	-	-	510	512	-	635	609	-






Approach	EB	WB	NB	SB
HCM Control Delay, s	0.4	0	14.9	22.5
HCM LOS			B	C

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	365	984	-	-	1224	-	-	299	633
HCM Lane V/C Ratio	0.006	0.018	-	-	-	-	-	0.434	0.064
HCM Control Delay (s)	14.9	8.7	-	-	0	-	-	26	11.1
HCM Lane LOS	B	A	-	-	A	-	-	D	B
HCM 95th %tile Q(veh)	0	0.1	-	-	0	-	-	2.1	0.2

Intersection

Int Delay, s/veh 3.6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	275	147	191	480	39	98
Future Vol, veh/h	275	147	191	480	39	98
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Stop
Storage Length	-	-	190	-	0	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	3	6	3	3	5	5
Mvmt Flow	296	158	205	516	42	105

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	454
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.13
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.227
Pot Cap-1 Maneuver	-	-	1101
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1101
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	2.6	19.7
HCM LOS			C



















Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	142	665	-	-	1101	-
HCM Lane V/C Ratio	0.295	0.158	-	-	0.187	-
HCM Control Delay (s)	40.6	11.4	-	-	9	-
HCM Lane LOS	E	B	-	-	A	-
HCM 95th %tile Q(veh)	1.2	0.6	-	-	0.7	-



# HCM Signalized Intersection Capacity Analysis

## 14: I-5 NB Ramps & W Central



















09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	47	326	0	0	433	97	238	0	188	0	0	0
Future Volume (vph)	47	326	0	0	433	97	238	0	188	0	0	0
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1599	1683			1699	1417		1614	1444			
Flt Permitted	0.43	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	720	1683			1699	1417		1614	1444			
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	49	343	0	0	456	102	251	0	198	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	56	0	0	137	0	0	0
Lane Group Flow (vph)	49	343	0	0	456	46	0	251	61	0	0	0
Heavy Vehicles (%)	4%	4%	0%	0%	3%	5%	3%	0%	3%	0%	0%	0%
Turn Type	Perm	NA			NA	Perm	Perm	NA	Perm			
Protected Phases		4			8			2				
Permitted Phases	4					8	2		2			
Actuated Green, G (s)	14.8	14.8			14.8	14.8		8.7	8.7			
Effective Green, g (s)	14.8	14.8			14.8	14.8		10.1	10.1			
Actuated g/C Ratio	0.45	0.45			0.45	0.45		0.31	0.31			
Clearance Time (s)	4.0	4.0			4.0	4.0		5.4	5.4			
Vehicle Extension (s)	4.0	4.0			4.0	4.0		2.5	2.5			
Lane Grp Cap (vph)	323	757			764	637		495	443			
v/s Ratio Prot		0.20			0.27							
v/s Ratio Perm	0.07					0.03		0.16	0.04			
v/c Ratio	0.15	0.45			0.60	0.07		0.51	0.14			
Uniform Delay, d1	5.3	6.3			6.8	5.1		9.4	8.2			
Progression Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2	0.3	0.6			1.5	0.1		0.6	0.1			
Delay (s)	5.6	6.8			8.3	5.2		10.0	8.4			
Level of Service	A	A			A	A		A	A			
Approach Delay (s)		6.7			7.7			9.2			0.0	
Approach LOS		A			A			A			A	
<b>Intersection Summary</b>												
HCM 2000 Control Delay		7.9			HCM 2000 Level of Service			A				
HCM 2000 Volume to Capacity ratio		0.56										
Actuated Cycle Length (s)		32.9			Sum of lost time (s)			8.0				
Intersection Capacity Utilization		57.4%			ICU Level of Service			B				
Analysis Period (min)		15										
c Critical Lane Group												

# HCM 6th Signalized Intersection Summary

## 14: I-5 NB Ramps & W Central

09/07/2023




												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	47	326	0	0	433	97	238	0	188	0	0	0
Future Volume (veh/h)	47	326	0	0	433	97	238	0	188	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1695	1695	0	0	1709	1682	1709	1750	1709			
Adj Flow Rate, veh/h	49	343	0	0	456	102	251	0	198			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	4	4	0	0	3	5	3	0	3			
Cap, veh/h	448	746	0	0	752	627	470	0	408			
Arrive On Green	0.44	0.44	0.00	0.00	0.44	0.44	0.23	0.00	0.28			
Sat Flow, veh/h	838	1695	0	0	1709	1425	1667	0	1448			
Grp Volume(v), veh/h	49	343	0	0	456	102	251	0	198			
Grp Sat Flow(s),veh/h/ln	838	1695	0	0	1709	1425	1667	0	1448			
Q Serve(g_s), s	1.4	4.1	0.0	0.0	5.9	1.2	3.8	0.0	3.3			
Cycle Q Clear(g_c), s	7.2	4.1	0.0	0.0	5.9	1.2	3.8	0.0	3.3			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	448	746	0	0	752	627	470	0	408			
V/C Ratio(X)	0.11	0.46	0.00	0.00	0.61	0.16	0.53	0.00	0.49			
Avail Cap(c_a), veh/h	633	1120	0	0	1129	942	753	0	655			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	8.9	5.7	0.0	0.0	6.1	4.9	9.4	0.0	8.6			
Incr Delay (d2), s/veh	0.2	0.6	0.0	0.0	1.1	0.2	0.7	0.0	0.7			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.2	0.8	0.0	0.0	1.2	0.2	0.8	0.0	0.6			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	9.1	6.3	0.0	0.0	7.3	5.0	10.1	0.0	9.3			
LnGrp LOS	A	A	A	A	A	A	B	A	A			
Approach Vol, veh/h	392			558			449					
Approach Delay, s/veh	6.6			6.9			9.7					
Approach LOS	A			A			A					
Timer - Assigned Phs	2			4			8					
Phs Duration (G+Y+Rc), s	12.1			16.7			16.7					
Change Period (Y+Rc), s	* 5.4			4.0			4.0					
Max Green Setting (Gmax), s	* 12			19.0			19.0					
Max Q Clear Time (g_c+I1), s	5.8			9.2			7.9					
Green Ext Time (p_c), s	1.1			3.0			4.8					
Intersection Summary												
HCM 6th Ctrl Delay				7.7								
HCM 6th LOS	A											
Notes												
User approved pedestrian interval to be less than phase max green.												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												

HCM 6th TWSC  
17: I-5 Sb ramps & Park Hill

09/07/2023

Intersection

Int Delay, s/veh 6.7

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	6	109	33	25	291	50
Future Vol, veh/h	6	109	33	25	291	50
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	17	5	3	4	5	0
Mvmt Flow	6	115	35	26	306	53

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	713	48	0
Stage 1	48	-	-
Stage 2	665	-	-
Critical Hdwy	6.57	6.25	-
Critical Hdwy Stg 1	5.57	-	-
Critical Hdwy Stg 2	5.57	-	-
Follow-up Hdwy	3.653	3.345	-
Pot Cap-1 Maneuver	377	1012	-
Stage 1	937	-	-
Stage 2	484	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	299	1012	-
Mov Cap-2 Maneuver	299	-	-
Stage 1	937	-	-
Stage 2	384	-	-






Approach	WB	NB	SB
HCM Control Delay, s	9.6	0	6.8
HCM LOS	A		








Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	900	1523
HCM Lane V/C Ratio	-	-	0.135	0.201
HCM Control Delay (s)	-	-	9.6	8
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0.5	0.8

# HCM 6th TWSC

## 3: Dovetail & Elkton Sutherlin Hwy






09/07/2023

Intersection												
Int Delay, s/veh	1.5											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	4	216	0	31	275	50	0	1	18	28	3	3
Future Vol, veh/h	4	216	0	31	275	50	0	1	18	28	3	3
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	135	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	0	15	0	0	1	0	0	0	0	9	0	0
Mvmt Flow	4	225	0	32	286	52	0	1	19	29	3	3
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	338	0	0	225	0	0	612	635	225	593	583	286
Stage 1	-	-	-	-	-	-	233	233	-	350	350	-
Stage 2	-	-	-	-	-	-	379	402	-	243	233	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.19	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.19	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.19	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.581	4	3.3
Pot Cap-1 Maneuver	1232	-	-	1356	-	-	408	399	819	407	427	758
Stage 1	-	-	-	-	-	-	775	716	-	652	636	-
Stage 2	-	-	-	-	-	-	647	604	-	745	716	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1232	-	-	1356	-	-	394	386	819	387	413	758
Mov Cap-2 Maneuver	-	-	-	-	-	-	394	386	-	387	413	-
Stage 1	-	-	-	-	-	-	772	713	-	649	618	-
Stage 2	-	-	-	-	-	-	622	586	-	724	713	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			0.7			9.8			14.7		
HCM LOS							A			B		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	773	1232	-	-	1356	-	-	407				
HCM Lane V/C Ratio	0.026	0.003	-	-	0.024	-	-	0.087				
HCM Control Delay (s)	9.8	7.9	0	-	7.7	0	-	14.7				
HCM Lane LOS	A	A	A	-	A	A	-	B				
HCM 95th %tile Q(veh)	0.1	0	-	-	0.1	-	-	0.3				

Intersection												
Int Delay, s/veh	4.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	18	333	0	0	422	130	1	0	1	129	0	40
Future Vol, veh/h	18	333	0	0	422	130	1	0	1	129	0	40
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	115	-	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	92	92	94	94	92	92	92	94	92	94
Heavy Vehicles, %	8	5	2	2	2	0	2	2	2	2	2	0
Mvmt Flow	19	354	0	0	449	138	1	0	1	137	0	43
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	587	0	0	354	0	0	932	979	354	842	841	449
Stage 1	-	-	-	-	-	-	392	392	-	449	449	-
Stage 2	-	-	-	-	-	-	540	587	-	393	392	-
Critical Hdwy	4.18	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.272	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.3
Pot Cap-1 Maneuver	959	-	-	1205	-	-	247	250	690	284	301	614
Stage 1	-	-	-	-	-	-	633	606	-	589	572	-
Stage 2	-	-	-	-	-	-	526	497	-	632	606	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	959	-	-	1205	-	-	226	245	690	279	295	614
Mov Cap-2 Maneuver	-	-	-	-	-	-	226	245	-	279	295	-
Stage 1	-	-	-	-	-	-	620	594	-	577	572	-
Stage 2	-	-	-	-	-	-	490	497	-	619	594	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.5			0			15.7			25.4		
HCM LOS							C			D		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2			
Capacity (veh/h)	340	959	-	-	1205	-	-	279	614			
HCM Lane V/C Ratio	0.006	0.02	-	-	-	-	-	0.492	0.069			
HCM Control Delay (s)	15.7	8.8	-	-	0	-	-	29.8	11.3			
HCM Lane LOS	C	A	-	-	A	-	-	D	B			
HCM 95th %tile Q(veh)	0	0.1	-	-	0	-	-	2.5	0.2			

Intersection

Int Delay, s/veh 3.9

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	290	155	202	506	41	103
Future Vol, veh/h	290	155	202	506	41	103
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Stop
Storage Length	-	-	190	-	0	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	3	6	3	3	5	5
Mvmt Flow	312	167	217	544	44	111

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	479
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.13
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.227
Pot Cap-1 Maneuver	-	-	1078
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1078
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-



















Approach	EB	WB	NB
HCM Control Delay, s	0	2.6	22.1
HCM LOS			C

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	126	647	-	-	1078	-
HCM Lane V/C Ratio	0.35	0.171	-	-	0.201	-
HCM Control Delay (s)	48.2	11.7	-	-	9.2	-
HCM Lane LOS	E	B	-	-	A	-
HCM 95th %tile Q(veh)	1.4	0.6	-	-	0.8	-

# HCM Signalized Intersection Capacity Analysis

## 14: I-5 NB Ramps & W Central



















09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	50	344	0	0	457	102	252	0	198	0	0	0
Future Volume (vph)	50	344	0	0	457	102	252	0	198	0	0	0
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1599	1683			1699	1417		1614	1444			
Flt Permitted	0.40	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	672	1683			1699	1417		1614	1444			
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	53	362	0	0	481	107	265	0	208	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	60	0	0	143	0	0	0
Lane Group Flow (vph)	53	362	0	0	481	47	0	265	65	0	0	0
Heavy Vehicles (%)	4%	4%	0%	0%	3%	5%	3%	0%	3%	0%	0%	0%
Turn Type	Perm	NA			NA	Perm	Perm	NA	Perm			
Protected Phases		4			8			2				
Permitted Phases	4					8	2		2			
Actuated Green, G (s)	14.4	14.4			14.4	14.4		8.8	8.8			
Effective Green, g (s)	14.4	14.4			14.4	14.4		10.2	10.2			
Actuated g/C Ratio	0.44	0.44			0.44	0.44		0.31	0.31			
Clearance Time (s)	4.0	4.0			4.0	4.0		5.4	5.4			
Vehicle Extension (s)	4.0	4.0			4.0	4.0		2.5	2.5			
Lane Grp Cap (vph)	296	743			750	625		504	451			
v/s Ratio Prot		0.22			0.28							
v/s Ratio Perm	0.08					0.03		0.16	0.05			
v/c Ratio	0.18	0.49			0.64	0.08		0.53	0.14			
Uniform Delay, d1	5.5	6.5			7.1	5.3		9.2	8.1			
Progression Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2	0.4	0.7			2.1	0.1		0.8	0.1			
Delay (s)	5.9	7.2			9.2	5.3		10.0	8.2			
Level of Service	A	A			A	A		A	A			
Approach Delay (s)		7.0			8.5			9.2			0.0	
Approach LOS		A			A			A			A	
<b>Intersection Summary</b>												
HCM 2000 Control Delay		8.3			HCM 2000 Level of Service			A				
HCM 2000 Volume to Capacity ratio		0.59										
Actuated Cycle Length (s)		32.6			Sum of lost time (s)			8.0				
Intersection Capacity Utilization		59.6%			ICU Level of Service			B				
Analysis Period (min)		15										
<b>c Critical Lane Group</b>												

# HCM 6th Signalized Intersection Summary

## 14: I-5 NB Ramps & W Central

09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	50	344	0	0	457	102	252	0	198	0	0	0
Future Volume (veh/h)	50	344	0	0	457	102	252	0	198	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1695	1695	0	0	1709	1682	1709	1750	1709			
Adj Flow Rate, veh/h	53	362	0	0	481	107	265	0	208			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	4	4	0	0	3	5	3	0	3			
Cap, veh/h	428	757	0	0	763	636	476	0	414			
Arrive On Green	0.45	0.45	0.00	0.00	0.45	0.45	0.24	0.00	0.29			
Sat Flow, veh/h	815	1695	0	0	1709	1425	1667	0	1448			
Grp Volume(v), veh/h	53	362	0	0	481	107	265	0	208			
Grp Sat Flow(s),veh/h/ln	815	1695	0	0	1709	1425	1667	0	1448			
Q Serve(g_s), s	1.6	4.5	0.0	0.0	6.5	1.3	4.2	0.0	3.6			
Cycle Q Clear(g_c), s	8.1	4.5	0.0	0.0	6.5	1.3	4.2	0.0	3.6			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	428	757	0	0	763	636	476	0	414			
V/C Ratio(X)	0.12	0.48	0.00	0.00	0.63	0.17	0.56	0.00	0.50			
Avail Cap(c_a), veh/h	583	1078	0	0	1087	907	725	0	630			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	9.5	5.8	0.0	0.0	6.4	5.0	9.7	0.0	8.9			
Incr Delay (d2), s/veh	0.2	0.7	0.0	0.0	1.2	0.2	0.8	0.0	0.7			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.2	0.9	0.0	0.0	1.4	0.2	0.9	0.0	0.7			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	9.7	6.5	0.0	0.0	7.6	5.1	10.5	0.0	9.6			
LnGrp LOS	A	A	A	A	A	A	B	A	A			
Approach Vol, veh/h	415			588			473					
Approach Delay, s/veh	6.9			7.2			10.1					
Approach LOS	A			A			B					
Timer - Assigned Phs	2			4			8					
Phs Duration (G+Y+Rc), s	12.5			17.3			17.3					
Change Period (Y+Rc), s	* 5.4			4.0			4.0					
Max Green Setting (Gmax), s	* 12			19.0			19.0					
Max Q Clear Time (g_c+I1), s	6.2			10.1			8.5					
Green Ext Time (p_c), s	1.1			3.0			4.9					
Intersection Summary												
HCM 6th Ctrl Delay				8.0								
HCM 6th LOS				A								
Notes												
User approved pedestrian interval to be less than phase max green.												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												






HCM 6th TWSC  
17: I-5 Sb ramps & Park Hill

09/07/2023

Intersection

Int Delay, s/veh 6.7

Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	7	115	35	26	307	53
Future Vol, veh/h	7	115	35	26	307	53
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	17	5	3	4	5	0
Mvmt Flow	7	121	37	27	323	56

Major/Minor	Minor1	Major1	Major2
Conflicting Flow All	753	51	0
Stage 1	51	-	-
Stage 2	702	-	-
Critical Hdwy	6.57	6.25	-
Critical Hdwy Stg 1	5.57	-	-
Critical Hdwy Stg 2	5.57	-	-
Follow-up Hdwy	3.653	3.345	-
Pot Cap-1 Maneuver	357	1009	-
Stage 1	934	-	-
Stage 2	465	-	-
Platoon blocked, %		-	-
Mov Cap-1 Maneuver	279	1009	-
Mov Cap-2 Maneuver	279	-	-
Stage 1	934	-	-
Stage 2	363	-	-

Approach	WB	NB	SB
HCM Control Delay, s	9.8	0	6.8
HCM LOS	A		

Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT
Capacity (veh/h)	-	-	877	1519
HCM Lane V/C Ratio	-	-	0.146	0.213
HCM Control Delay (s)	-	-	9.8	8
HCM Lane LOS	-	-	A	A
HCM 95th %tile Q(veh)	-	-	0.5	0.8








HCM 6th TWSC  
3: Dovetail & Elkton Sutherlin Hwy

09/07/2023

Intersection												
Int Delay, s/veh	2.2											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕	↗		↕			↕	
Traffic Vol, veh/h	5	216	0	31	275	106	0	1	18	64	3	4
Future Vol, veh/h	5	216	0	31	275	106	0	1	18	64	3	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	135	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	0	15	0	0	1	0	0	0	0	9	0	0
Mvmt Flow	5	225	0	32	286	110	0	1	19	67	3	4
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	396	0	0	225	0	0	644	695	225	595	585	286
Stage 1	-	-	-	-	-	-	235	235	-	350	350	-
Stage 2	-	-	-	-	-	-	409	460	-	245	235	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.19	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.19	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.19	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.581	4	3.3
Pot Cap-1 Maneuver	1174	-	-	1356	-	-	389	368	819	406	426	758
Stage 1	-	-	-	-	-	-	773	714	-	652	636	-
Stage 2	-	-	-	-	-	-	623	569	-	743	714	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1174	-	-	1356	-	-	374	355	819	385	411	758
Mov Cap-2 Maneuver	-	-	-	-	-	-	374	355	-	385	411	-
Stage 1	-	-	-	-	-	-	769	710	-	649	616	-
Stage 2	-	-	-	-	-	-	597	551	-	721	710	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.2			0.6			9.8			16.1		
HCM LOS							A			C		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	766	1174	-	-	1356	-	-	397				
HCM Lane V/C Ratio	0.026	0.004	-	-	0.024	-	-	0.186				
HCM Control Delay (s)	9.8	8.1	0	-	7.7	0	-	16.1				
HCM Lane LOS	A	A	A	-	A	A	-	C				
HCM 95th %tile Q(veh)	0.1	0	-	-	0.1	-	-	0.7				






HCM 6th TWSC  
8: W Central & Dakota St

09/07/2023

Intersection												
Int Delay, s/veh	4.9											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	23	362	0	0	472	130	1	0	1	129	0	45
Future Vol, veh/h	23	362	0	0	472	130	1	0	1	129	0	45
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	115	-	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	92	92	94	94	92	92	92	94	92	94
Heavy Vehicles, %	8	5	2	2	2	0	2	2	2	2	2	0
Mvmt Flow	24	385	0	0	502	138	1	0	1	137	0	48
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	640	0	0	385	0	0	1028	1073	385	936	935	502
Stage 1	-	-	-	-	-	-	433	433	-	502	502	-
Stage 2	-	-	-	-	-	-	595	640	-	434	433	-
Critical Hdwy	4.18	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.272	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.3
Pot Cap-1 Maneuver	916	-	-	1173	-	-	212	220	663	245	265	573
Stage 1	-	-	-	-	-	-	601	582	-	552	542	-
Stage 2	-	-	-	-	-	-	491	470	-	600	582	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	916	-	-	1173	-	-	190	214	663	240	258	573
Mov Cap-2 Maneuver	-	-	-	-	-	-	190	214	-	240	258	-
Stage 1	-	-	-	-	-	-	585	567	-	538	542	-
Stage 2	-	-	-	-	-	-	450	470	-	583	567	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.5			0			17.3			31.5		
HCM LOS							C			D		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2			
Capacity (veh/h)	295	916	-	-	1173	-	-	240	573			
HCM Lane V/C Ratio	0.007	0.027	-	-	-	-	-	0.572	0.084			
HCM Control Delay (s)	17.3	9	-	-	0	-	-	38.3	11.9			
HCM Lane LOS	C	A	-	-	A	-	-	E	B			
HCM 95th %tile Q(veh)	0	0.1	-	-	0	-	-	3.2	0.3			

Intersection

Int Delay, s/veh 4.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	309	165	202	552	45	103
Future Vol, veh/h	309	165	202	552	45	103
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Stop
Storage Length	-	-	190	-	0	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	3	6	3	3	5	5
Mvmt Flow	332	177	217	594	48	111

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	509
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.13
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.227
Pot Cap-1 Maneuver	-	-	1051
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1051
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-



















Approach	EB	WB	NB
HCM Control Delay, s	0	2.5	26.2
HCM LOS			D

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	113	626	-	-	1051	-
HCM Lane V/C Ratio	0.428	0.177	-	-	0.207	-
HCM Control Delay (s)	58.8	12	-	-	9.3	-
HCM Lane LOS	F	B	-	-	A	-
HCM 95th %tile Q(veh)	1.8	0.6	-	-	0.8	-

# HCM Signalized Intersection Capacity Analysis

## 14: I-5 NB Ramps & W Central



















09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	52	361	0	0	487	102	268	0	198	0	0	0
Future Volume (vph)	52	361	0	0	487	102	268	0	198	0	0	0
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1599	1683			1699	1417		1614	1444			
Flt Permitted	0.36	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	613	1683			1699	1417		1614	1444			
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	55	380	0	0	513	107	282	0	208	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	60	0	0	142	0	0	0
Lane Group Flow (vph)	55	380	0	0	513	47	0	282	66	0	0	0
Heavy Vehicles (%)	4%	4%	0%	0%	3%	5%	3%	0%	3%	0%	0%	0%
Turn Type	Perm	NA			NA	Perm	Perm	NA	Perm			
Protected Phases		4			8			2				
Permitted Phases	4					8	2		2			
Actuated Green, G (s)	14.4	14.4			14.4	14.4		9.0	9.0			
Effective Green, g (s)	14.4	14.4			14.4	14.4		10.4	10.4			
Actuated g/C Ratio	0.44	0.44			0.44	0.44		0.32	0.32			
Clearance Time (s)	4.0	4.0			4.0	4.0		5.4	5.4			
Vehicle Extension (s)	4.0	4.0			4.0	4.0		2.5	2.5			
Lane Grp Cap (vph)	269	738			745	622		511	457			
v/s Ratio Prot		0.23			0.30							
v/s Ratio Perm	0.09					0.03		0.17	0.05			
v/c Ratio	0.20	0.51			0.69	0.08		0.55	0.14			
Uniform Delay, d1	5.7	6.7			7.4	5.3		9.3	8.0			
Progression Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2	0.5	0.8			2.9	0.1		1.0	0.1			
Delay (s)	6.2	7.5			10.3	5.4		10.3	8.1			
Level of Service	A	A			B	A		B	A			
Approach Delay (s)		7.3			9.4			9.4			0.0	
Approach LOS		A			A			A			A	
<b>Intersection Summary</b>												
HCM 2000 Control Delay		8.8			HCM 2000 Level of Service			A				
HCM 2000 Volume to Capacity ratio		0.63										
Actuated Cycle Length (s)		32.8			Sum of lost time (s)			8.0				
Intersection Capacity Utilization		62.3%			ICU Level of Service			B				
Analysis Period (min)		15										
<b>c Critical Lane Group</b>												

# HCM 6th Signalized Intersection Summary




## 14: I-5 NB Ramps & W Central

09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	52	361	0	0	487	102	268	0	198	0	0	0
Future Volume (veh/h)	52	361	0	0	487	102	268	0	198	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1695	1695	0	0	1709	1682	1709	1750	1709			
Adj Flow Rate, veh/h	55	380	0	0	513	107	282	0	208			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	4	4	0	0	3	5	3	0	3			
Cap, veh/h	405	769	0	0	775	646	482	0	419			
Arrive On Green	0.45	0.45	0.00	0.00	0.45	0.45	0.24	0.00	0.29			
Sat Flow, veh/h	791	1695	0	0	1709	1425	1667	0	1448			
Grp Volume(v), veh/h	55	380	0	0	513	107	282	0	208			
Grp Sat Flow(s),veh/h/ln	791	1695	0	0	1709	1425	1667	0	1448			
Q Serve(g_s), s	1.8	4.9	0.0	0.0	7.3	1.4	4.6	0.0	3.7			
Cycle Q Clear(g_c), s	9.1	4.9	0.0	0.0	7.3	1.4	4.6	0.0	3.7			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	405	769	0	0	775	646	482	0	419			
V/C Ratio(X)	0.14	0.49	0.00	0.00	0.66	0.17	0.58	0.00	0.50			
Avail Cap(c_a), veh/h	529	1035	0	0	1043	870	696	0	605			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	10.2	6.0	0.0	0.0	6.6	5.0	10.1	0.0	9.2			
Incr Delay (d2), s/veh	0.2	0.7	0.0	0.0	1.4	0.2	0.8	0.0	0.7			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.3	1.1	0.0	0.0	1.7	0.2	1.1	0.0	0.7			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	10.4	6.7	0.0	0.0	8.0	5.2	10.9	0.0	9.9			
LnGrp LOS	B	A	A	A	A	A	B	A	A			
Approach Vol, veh/h	435			620			490					
Approach Delay, s/veh	7.2			7.5			10.5					
Approach LOS	A			A			B					
Timer - Assigned Phs	2			4			8					
Phs Duration (G+Y+Rc), s	13.0			18.1			18.1					
Change Period (Y+Rc), s	* 5.4			4.0			4.0					
Max Green Setting (Gmax), s	* 12			19.0			19.0					
Max Q Clear Time (g_c+I1), s	6.6			11.1			9.3					
Green Ext Time (p_c), s	1.1			2.9			4.8					
Intersection Summary												
HCM 6th Ctrl Delay				8.4								
HCM 6th LOS				A								
Notes												
User approved pedestrian interval to be less than phase max green.												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												

HCM 6th TWSC  
17: I-5 Sb ramps & Park Hill






09/07/2023

Intersection						
Int Delay, s/veh	6.8					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	7	119	35	26	317	53
Future Vol, veh/h	7	119	35	26	317	53
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	17	5	3	4	5	0
Mvmt Flow	7	125	37	27	334	56
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	775	51	0	0	64	0
Stage 1	51	-	-	-	-	-
Stage 2	724	-	-	-	-	-
Critical Hdwy	6.57	6.25	-	-	4.15	-
Critical Hdwy Stg 1	5.57	-	-	-	-	-
Critical Hdwy Stg 2	5.57	-	-	-	-	-
Follow-up Hdwy	3.653	3.345	-	-	2.245	-
Pot Cap-1 Maneuver	346	1009	-	-	1519	-
Stage 1	934	-	-	-	-	-
Stage 2	454	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	267	1009	-	-	1519	-
Mov Cap-2 Maneuver	267	-	-	-	-	-
Stage 1	934	-	-	-	-	-
Stage 2	351	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	9.9	0		6.9		
HCM LOS	A					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	874		1519	-	
HCM Lane V/C Ratio	-	0.152		0.22	-	
HCM Control Delay (s)	-	9.9		8	0	
HCM Lane LOS	-	A		A	A	
HCM 95th %tile Q(veh)	-	0.5		0.8	-	

# HCM 6th TWSC

## 3: Dovetail & Elkton Sutherlin Hwy








09/07/2023

Intersection												
Int Delay, s/veh	1.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	4	245	0	35	311	57	0	1	20	32	3	3
Future Vol, veh/h	4	245	0	35	311	57	0	1	20	32	3	3
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	135	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	0	15	0	0	1	0	0	0	0	9	0	0
Mvmt Flow	4	255	0	36	324	59	0	1	21	33	3	3
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	383	0	0	255	0	0	692	718	255	670	659	324
Stage 1	-	-	-	-	-	-	263	263	-	396	396	-
Stage 2	-	-	-	-	-	-	429	455	-	274	263	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.19	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.19	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.19	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.581	4	3.3
Pot Cap-1 Maneuver	1187	-	-	1322	-	-	361	357	789	361	386	722
Stage 1	-	-	-	-	-	-	747	694	-	616	607	-
Stage 2	-	-	-	-	-	-	608	572	-	717	694	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1187	-	-	1322	-	-	347	343	789	340	371	722
Mov Cap-2 Maneuver	-	-	-	-	-	-	347	343	-	340	371	-
Stage 1	-	-	-	-	-	-	744	691	-	614	586	-
Stage 2	-	-	-	-	-	-	581	552	-	694	691	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.1			0.7			10			16.3		
HCM LOS							B			C		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	743	1187	-	-	1322	-	-	357				
HCM Lane V/C Ratio	0.029	0.004	-	-	0.028	-	-	0.111				
HCM Control Delay (s)	10	8	0	-	7.8	0	-	16.3				
HCM Lane LOS	B	A	A	-	A	A	-	C				
HCM 95th %tile Q(veh)	0.1	0	-	-	0.1	-	-	0.4				








HCM 6th TWSC  
8: W Central & Dakota St

09/07/2023

Intersection												
Int Delay, s/veh	6.1											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	20	376	0	0	477	147	2	0	2	145	0	45
Future Vol, veh/h	20	376	0	0	477	147	2	0	2	145	0	45
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	115	-	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	92	92	94	94	92	92	92	94	92	94
Heavy Vehicles, %	8	5	2	2	2	0	2	2	2	2	2	0
Mvmt Flow	21	400	0	0	507	156	2	0	2	154	0	48
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	663	0	0	400	0	0	1051	1105	400	950	949	507
Stage 1	-	-	-	-	-	-	442	442	-	507	507	-
Stage 2	-	-	-	-	-	-	609	663	-	443	442	-
Critical Hdwy	4.18	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.272	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.3
Pot Cap-1 Maneuver	898	-	-	1159	-	-	205	211	650	240	260	570
Stage 1	-	-	-	-	-	-	594	576	-	548	539	-
Stage 2	-	-	-	-	-	-	482	459	-	594	576	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	898	-	-	1159	-	-	185	206	650	235	254	570
Mov Cap-2 Maneuver	-	-	-	-	-	-	185	206	-	235	254	-
Stage 1	-	-	-	-	-	-	580	563	-	535	539	-
Stage 2	-	-	-	-	-	-	442	459	-	578	563	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.5			0			17.7			37.5		
HCM LOS							C			E		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2			
Capacity (veh/h)	288	898	-	-	1159	-	-	235	570			
HCM Lane V/C Ratio	0.015	0.024	-	-	-	-	-	0.656	0.084			
HCM Control Delay (s)	17.7	9.1	-	-	0	-	-	45.5	11.9			
HCM Lane LOS	C	A	-	-	A	-	-	E	B			
HCM 95th %tile Q(veh)	0	0.1	-	-	0	-	-	4.1	0.3			

Intersection

Int Delay, s/veh 5.2

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	328	175	228	573	47	116
Future Vol, veh/h	328	175	228	573	47	116
Conflicting Peds, #/hr	0	0	3	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Stop
Storage Length	-	-	190	-	0	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	3	6	3	3	5	5
Mvmt Flow	353	188	245	616	51	125

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	544
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.13
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.227
Pot Cap-1 Maneuver	-	-	1020
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1017
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-



















Approach	EB	WB	NB
HCM Control Delay, s	0	2.7	33.2
HCM LOS			D

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	92	601	-	-	1017	-
HCM Lane V/C Ratio	0.549	0.208	-	-	0.241	-
HCM Control Delay (s)	84	12.6	-	-	9.7	-
HCM Lane LOS	F	B	-	-	A	-
HCM 95th %tile Q(veh)	2.5	0.8	-	-	0.9	-

# HCM Signalized Intersection Capacity Analysis

## 14: I-5 NB Ramps & W Central

09/07/2023



















												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	56	389	0	0	517	115	284	1	224	0	0	0
Future Volume (vph)	56	389	0	0	517	115	284	1	224	0	0	0
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Frpb, ped/bikes	1.00	1.00			1.00	1.00		1.00	1.00			
Flpb, ped/bikes	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1599	1683			1699	1417		1619	1444			
Flt Permitted	0.33	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	553	1683			1699	1417		1619	1444			
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	59	409	0	0	544	121	299	1	236	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	69	0	0	160	0	0	0
Lane Group Flow (vph)	59	409	0	0	544	52	0	300	76	0	0	0
Confl. Peds. (#/hr)				3								
Heavy Vehicles (%)	4%	4%	0%	0%	3%	5%	3%	0%	3%	0%	0%	0%
Turn Type	Perm	NA			NA	Perm	Perm	NA	Perm			
Protected Phases		4			8			2				
Permitted Phases	4					8	2		2			
Actuated Green, G (s)	14.0	14.0			14.0	14.0		9.1	9.1			
Effective Green, g (s)	14.0	14.0			14.0	14.0		10.5	10.5			
Actuated g/C Ratio	0.43	0.43			0.43	0.43		0.32	0.32			
Clearance Time (s)	4.0	4.0			4.0	4.0		5.4	5.4			
Vehicle Extension (s)	4.0	4.0			4.0	4.0		2.5	2.5			
Lane Grp Cap (vph)	238	724			731	610		523	466			
v/s Ratio Prot		0.24			c0.32							
v/s Ratio Perm	0.11					0.04		0.19	0.05			
v/c Ratio	0.25	0.56			0.74	0.09		0.57	0.16			
Uniform Delay, d1	5.9	7.0			7.7	5.5		9.1	7.9			
Progression Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2	0.7	1.2			4.4	0.1		1.3	0.1			
Delay (s)	6.6	8.2			12.1	5.5		10.4	8.0			
Level of Service	A	A			B	A		B	A			
Approach Delay (s)		8.0			10.9			9.3			0.0	
Approach LOS		A			B			A			A	
<b>Intersection Summary</b>												
HCM 2000 Control Delay			9.6				HCM 2000 Level of Service		A			
HCM 2000 Volume to Capacity ratio			0.67									
Actuated Cycle Length (s)			32.5				Sum of lost time (s)		8.0			
Intersection Capacity Utilization			65.0%				ICU Level of Service		C			
Analysis Period (min)			15									

c Critical Lane Group

# HCM 6th Signalized Intersection Summary




## 14: I-5 NB Ramps & W Central

09/07/2023

													
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	
Lane Configurations													
Traffic Volume (veh/h)	56	389	0	0	517	115	284	1	224	0	0	0	
Future Volume (veh/h)	56	389	0	0	517	115	284	1	224	0	0	0	
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0				
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00				
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Work Zone On Approach	No			No			No						
Adj Sat Flow, veh/h/ln	1695	1695	0	0	1709	1682	1709	1750	1709				
Adj Flow Rate, veh/h	59	409	0	0	544	121	299	1	236				
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95				
Percent Heavy Veh, %	4	4	0	0	3	5	3	0	3				
Cap, veh/h	379	783	0	0	790	658	489	2	426				
Arrive On Green	0.46	0.46	0.00	0.00	0.46	0.46	0.25	0.29	0.29				
Sat Flow, veh/h	759	1695	0	0	1709	1425	1661	6	1448				
Grp Volume(v), veh/h	59	409	0	0	544	121	300	0	236				
Grp Sat Flow(s),veh/h/ln	759	1695	0	0	1709	1425	1667	0	1448				
Q Serve(g_s), s	2.2	5.6	0.0	0.0	8.2	1.6	5.2	0.0	4.5				
Cycle Q Clear(g_c), s	10.4	5.6	0.0	0.0	8.2	1.6	5.2	0.0	4.5				
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00				
Lane Grp Cap(c), veh/h	379	783	0	0	790	658	491	0	426				
V/C Ratio(X)	0.16	0.52	0.00	0.00	0.69	0.18	0.61	0.00	0.55				
Avail Cap(c_a), veh/h	468	981	0	0	989	825	660	0	574				
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00				
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00				
Uniform Delay (d), s/veh	11.1	6.3	0.0	0.0	7.0	5.2	10.6	0.0	9.8				
Incr Delay (d2), s/veh	0.3	0.8	0.0	0.0	1.9	0.2	0.9	0.0	0.8				
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				
%ile BackOfQ(50%),veh/ln	0.3	1.3	0.0	0.0	2.0	0.3	1.2	0.0	0.9				
Unsig. Movement Delay, s/veh													
LnGrp Delay(d),s/veh	11.4	7.0	0.0	0.0	8.8	5.4	11.5	0.0	10.6				
LnGrp LOS	B	A	A	A	A	A	B	A	B				
Approach Vol, veh/h	468			665			536						
Approach Delay, s/veh	7.6			8.2			11.1						
Approach LOS	A			A			B						
Timer - Assigned Phs	2			4			8						
Phs Duration (G+Y+Rc), s	13.7			19.2			19.2						
Change Period (Y+Rc), s	* 5.4			4.0			4.0						
Max Green Setting (Gmax), s	* 12			19.0			19.0						
Max Q Clear Time (g_c+I1), s	7.2			12.4			10.2						
Green Ext Time (p_c), s	1.1			2.7			4.7						
Intersection Summary													
HCM 6th Ctrl Delay				9.0									
HCM 6th LOS				A									
Notes													
User approved pedestrian interval to be less than phase max green.													
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.													

HCM 6th TWSC  
17: I-5 Sb ramps & Park Hill






09/07/2023

Intersection						
Int Delay, s/veh	6.8					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	7	130	39	29	347	60
Future Vol, veh/h	7	130	39	29	347	60
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	17	5	3	4	5	0
Mvmt Flow	7	137	41	31	365	63
Major/Minor	Minor1	Major1		Major2		
Conflicting Flow All	850	57	0	0	72	0
Stage 1	57	-	-	-	-	-
Stage 2	793	-	-	-	-	-
Critical Hdwy	6.57	6.25	-	-	4.15	-
Critical Hdwy Stg 1	5.57	-	-	-	-	-
Critical Hdwy Stg 2	5.57	-	-	-	-	-
Follow-up Hdwy	3.653	3.345	-	-	2.245	-
Pot Cap-1 Maneuver	312	1001	-	-	1509	-
Stage 1	929	-	-	-	-	-
Stage 2	421	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	234	1001	-	-	1509	-
Mov Cap-2 Maneuver	234	-	-	-	-	-
Stage 1	929	-	-	-	-	-
Stage 2	315	-	-	-	-	-
Approach	WB	NB		SB		
HCM Control Delay, s	10	0		6.9		
HCM LOS	B					
Minor Lane/Major Mvmt	NBT	NBRWBLn1		SBL	SBT	
Capacity (veh/h)	-	-		857	1509	
HCM Lane V/C Ratio	-	-		0.168	0.242	
HCM Control Delay (s)	-	-		10	8.1	
HCM Lane LOS	-	-		B	A	
HCM 95th %tile Q(veh)	-	-		0.6	1	

# HCM 6th TWSC








## 3: Dovetail & Elkton Sutherlin Hwy

09/07/2023

Intersection												
Int Delay, s/veh	2.4											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	5	245	0	35	311	113	0	1	20	68	3	4
Future Vol, veh/h	5	245	0	35	311	113	0	1	20	68	3	4
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	135	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	96	96	96	96	96	96	96	96	96	96	96	96
Heavy Vehicles, %	0	15	0	0	1	0	0	0	0	9	0	0
Mvmt Flow	5	255	0	36	324	118	0	1	21	71	3	4
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	442	0	0	255	0	0	724	779	255	672	661	324
Stage 1	-	-	-	-	-	-	265	265	-	396	396	-
Stage 2	-	-	-	-	-	-	459	514	-	276	265	-
Critical Hdwy	4.1	-	-	4.1	-	-	7.1	6.5	6.2	7.19	6.5	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.1	5.5	-	6.19	5.5	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.1	5.5	-	6.19	5.5	-
Follow-up Hdwy	2.2	-	-	2.2	-	-	3.5	4	3.3	3.581	4	3.3
Pot Cap-1 Maneuver	1129	-	-	1322	-	-	344	330	789	360	385	722
Stage 1	-	-	-	-	-	-	745	693	-	616	607	-
Stage 2	-	-	-	-	-	-	586	539	-	715	693	-
Platoon blocked, %		-	-		-	-						
Mov Cap-1 Maneuver	1129	-	-	1322	-	-	329	316	789	338	369	722
Mov Cap-2 Maneuver	-	-	-	-	-	-	329	316	-	338	369	-
Stage 1	-	-	-	-	-	-	741	690	-	613	585	-
Stage 2	-	-	-	-	-	-	558	519	-	692	690	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.2			0.6			10			18.3		
HCM LOS							B			C		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1				
Capacity (veh/h)	737	1129	-	-	1322	-	-	349				
HCM Lane V/C Ratio	0.03	0.005	-	-	0.028	-	-	0.224				
HCM Control Delay (s)	10	8.2	0	-	7.8	0	-	18.3				
HCM Lane LOS	B	A	A	-	A	A	-	C				
HCM 95th %tile Q(veh)	0.1	0	-	-	0.1	-	-	0.8				

HCM 6th TWSC  
8: W Central & Dakota St

09/07/2023






Intersection												
Int Delay, s/veh	8											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Vol, veh/h	25	405	0	0	527	147	2	0	2	145	0	50
Future Vol, veh/h	25	405	0	0	527	147	2	0	2	145	0	50
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	150	-	-	-	-	115	-	-	-	100	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	94	94	92	92	94	94	92	92	92	94	92	94
Heavy Vehicles, %	8	5	2	2	2	0	2	2	2	2	2	0
Mvmt Flow	27	431	0	0	561	156	2	0	2	154	0	53
Major/Minor	Major1			Major2			Minor1			Minor2		
Conflicting Flow All	717	0	0	431	0	0	1151	1202	431	1047	1046	561
Stage 1	-	-	-	-	-	-	485	485	-	561	561	-
Stage 2	-	-	-	-	-	-	666	717	-	486	485	-
Critical Hdwy	4.18	-	-	4.12	-	-	7.12	6.52	6.22	7.12	6.52	6.2
Critical Hdwy Stg 1	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	6.12	5.52	-	6.12	5.52	-
Follow-up Hdwy	2.272	-	-	2.218	-	-	3.518	4.018	3.318	3.518	4.018	3.3
Pot Cap-1 Maneuver	857	-	-	1129	-	-	175	185	624	206	228	531
Stage 1	-	-	-	-	-	-	563	552	-	512	510	-
Stage 2	-	-	-	-	-	-	449	434	-	563	552	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	857	-	-	1129	-	-	154	179	624	200	221	531
Mov Cap-2 Maneuver	-	-	-	-	-	-	154	179	-	200	221	-
Stage 1	-	-	-	-	-	-	545	534	-	496	510	-
Stage 2	-	-	-	-	-	-	404	434	-	543	534	-
Approach	EB			WB			NB			SB		
HCM Control Delay, s	0.5			0			19.8			52.2		
HCM LOS							C			F		
Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR	SBLn1	SBLn2			
Capacity (veh/h)	247	857	-	-	1129	-	-	200	531			
HCM Lane V/C Ratio	0.018	0.031	-	-	-	-	-	0.771	0.1			
HCM Control Delay (s)	19.8	9.3	-	-	0	-	-	65.9	12.5			
HCM Lane LOS	C	A	-	-	A	-	-	F	B			
HCM 95th %tile Q(veh)	0.1	0.1	-	-	0	-	-	5.3	0.3			

HCM 6th TWSC  
12: Park Hill & W Central

09/07/2023

Intersection

Int Delay, s/veh 6

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Vol, veh/h	347	185	228	619	51	116
Future Vol, veh/h	347	185	228	619	51	116
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	Stop
Storage Length	-	-	190	-	0	200
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	93	93	93	93	93	93
Heavy Vehicles, %	3	6	3	3	5	5
Mvmt Flow	373	199	245	666	55	125

Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	572
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	-	-	4.13
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	-	-	2.227
Pot Cap-1 Maneuver	-	-	996
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	996
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	2.6	42.1
HCM LOS			E



















Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	83	585	-	-	996	-
HCM Lane V/C Ratio	0.661	0.213	-	-	0.246	-
HCM Control Delay (s)	108.9	12.8	-	-	9.8	-
HCM Lane LOS	F	B	-	-	A	-
HCM 95th %tile Q(veh)	3.1	0.8	-	-	1	-



# HCM Signalized Intersection Capacity Analysis

## 14: I-5 NB Ramps & W Central



















09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	58	406	0	0	547	115	300	0	224	0	0	0
Future Volume (vph)	58	406	0	0	547	115	300	0	224	0	0	0
Ideal Flow (vphpl)	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750	1750
Total Lost time (s)	4.0	4.0			4.0	4.0		4.0	4.0			
Lane Util. Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Frt	1.00	1.00			1.00	0.85		1.00	0.85			
Flt Protected	0.95	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (prot)	1599	1683			1699	1417		1614	1444			
Flt Permitted	0.29	1.00			1.00	1.00		0.95	1.00			
Satd. Flow (perm)	494	1683			1699	1417		1614	1444			
Peak-hour factor, PHF	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Adj. Flow (vph)	61	427	0	0	576	121	316	0	236	0	0	0
RTOR Reduction (vph)	0	0	0	0	0	68	0	0	157	0	0	0
Lane Group Flow (vph)	61	427	0	0	576	53	0	316	79	0	0	0
Heavy Vehicles (%)	4%	4%	0%	0%	3%	5%	3%	0%	3%	0%	0%	0%
Turn Type	Perm	NA			NA	Perm	Perm	NA	Perm			
Protected Phases		4			8			2				
Permitted Phases	4					8	2		2			
Actuated Green, G (s)	15.2	15.2			15.2	15.2		10.2	10.2			
Effective Green, g (s)	15.2	15.2			15.2	15.2		11.6	11.6			
Actuated g/C Ratio	0.44	0.44			0.44	0.44		0.33	0.33			
Clearance Time (s)	4.0	4.0			4.0	4.0		5.4	5.4			
Vehicle Extension (s)	4.0	4.0			4.0	4.0		2.5	2.5			
Lane Grp Cap (vph)	215	735			742	618		538	481			
v/s Ratio Prot		0.25			0.34							
v/s Ratio Perm	0.12					0.04		0.20	0.05			
v/c Ratio	0.28	0.58			0.78	0.09		0.59	0.16			
Uniform Delay, d1	6.3	7.4			8.4	5.7		9.6	8.2			
Progression Factor	1.00	1.00			1.00	1.00		1.00	1.00			
Incremental Delay, d2	1.0	1.4			5.4	0.1		1.4	0.1			
Delay (s)	7.3	8.8			13.8	5.8		11.0	8.3			
Level of Service	A	A			B	A		B	A			
Approach Delay (s)		8.6			12.4			9.8			0.0	
Approach LOS		A			B			A			A	
<b>Intersection Summary</b>												
HCM 2000 Control Delay			10.5				HCM 2000 Level of Service			B		
HCM 2000 Volume to Capacity ratio			0.69									
Actuated Cycle Length (s)			34.8				Sum of lost time (s)			8.0		
Intersection Capacity Utilization			67.6%				ICU Level of Service			C		
Analysis Period (min)			15									
c Critical Lane Group												

# HCM 6th Signalized Intersection Summary




## 14: I-5 NB Ramps & W Central

09/07/2023

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (veh/h)	58	406	0	0	547	115	300	0	224	0	0	0
Future Volume (veh/h)	58	406	0	0	547	115	300	0	224	0	0	0
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0			
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00			
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Work Zone On Approach	No			No			No					
Adj Sat Flow, veh/h/ln	1695	1695	0	0	1709	1682	1709	1750	1709			
Adj Flow Rate, veh/h	61	427	0	0	576	121	316	0	236			
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95			
Percent Heavy Veh, %	4	4	0	0	3	5	3	0	3			
Cap, veh/h	359	816	0	0	822	686	497	0	432			
Arrive On Green	0.48	0.48	0.00	0.00	0.48	0.48	0.26	0.00	0.30			
Sat Flow, veh/h	736	1695	0	0	1709	1425	1667	0	1448			
Grp Volume(v), veh/h	61	427	0	0	576	121	316	0	236			
Grp Sat Flow(s),veh/h/ln	736	1695	0	0	1709	1425	1667	0	1448			
Q Serve(g_s), s	2.6	6.3	0.0	0.0	9.6	1.7	6.1	0.0	5.0			
Cycle Q Clear(g_c), s	12.1	6.3	0.0	0.0	9.6	1.7	6.1	0.0	5.0			
Prop In Lane	1.00		0.00	0.00		1.00	1.00		1.00			
Lane Grp Cap(c), veh/h	359	816	0	0	822	686	497	0	432			
V/C Ratio(X)	0.17	0.52	0.00	0.00	0.70	0.18	0.64	0.00	0.55			
Avail Cap(c_a), veh/h	452	1029	0	0	1038	865	690	0	600			
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00			
Upstream Filter(I)	1.00	1.00	0.00	0.00	1.00	1.00	1.00	0.00	1.00			
Uniform Delay (d), s/veh	12.1	6.5	0.0	0.0	7.4	5.3	11.7	0.0	10.7			
Incr Delay (d2), s/veh	0.3	0.7	0.0	0.0	1.9	0.2	1.0	0.0	0.8			
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
%ile BackOfQ(50%),veh/ln	0.4	1.5	0.0	0.0	2.5	0.3	1.6	0.0	1.1			
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	12.4	7.3	0.0	0.0	9.3	5.5	12.7	0.0	11.5			
LnGrp LOS	B	A	A	A	A	A	B	A	B			
Approach Vol, veh/h	488			697			552					
Approach Delay, s/veh	7.9			8.6			12.2					
Approach LOS	A			A			B					
Timer - Assigned Phs	2			4			8					
Phs Duration (G+Y+Rc), s	14.8			21.4			21.4					
Change Period (Y+Rc), s	* 5.4			4.0			4.0					
Max Green Setting (Gmax), s	* 14			22.0			22.0					
Max Q Clear Time (g_c+I1), s	8.1			14.1			11.6					
Green Ext Time (p_c), s	1.3			3.3			5.7					
Intersection Summary												
HCM 6th Ctrl Delay				9.6								
HCM 6th LOS				A								
Notes												
User approved pedestrian interval to be less than phase max green.												
* HCM 6th computational engine requires equal clearance times for the phases crossing the barrier.												

HCM 6th TWSC  
17: I-5 Sb ramps & Park Hill

09/07/2023

Intersection						
Int Delay, s/veh	6.8					
Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations						
Traffic Vol, veh/h	7	134	39	39	357	60
Future Vol, veh/h	7	134	39	39	357	60
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	0	-	-	0
Grade, %	0	-	0	-	-	0
Peak Hour Factor	95	95	95	95	95	95
Heavy Vehicles, %	17	5	3	4	5	0
Mvmt Flow	7	141	41	41	376	63
Major/Minor	Minor1	Major1	Major2			
Conflicting Flow All	877	62	0	0	82	0
Stage 1	62	-	-	-	-	-
Stage 2	815	-	-	-	-	-
Critical Hdwy	6.57	6.25	-	-	4.15	-
Critical Hdwy Stg 1	5.57	-	-	-	-	-
Critical Hdwy Stg 2	5.57	-	-	-	-	-
Follow-up Hdwy	3.653	3.345	-	-	2.245	-
Pot Cap-1 Maneuver	300	995	-	-	1497	-
Stage 1	924	-	-	-	-	-
Stage 2	410	-	-	-	-	-
Platoon blocked, %			-	-		-
Mov Cap-1 Maneuver	222	995	-	-	1497	-
Mov Cap-2 Maneuver	222	-	-	-	-	-
Stage 1	924	-	-	-	-	-
Stage 2	303	-	-	-	-	-
Approach	WB	NB	SB			
HCM Control Delay, s	10.1	0	7			
HCM LOS	B					
Minor Lane/Major Mvmt	NBT	NBRWBLn1	SBL	SBT		
Capacity (veh/h)	-	-	848	1497	-	
HCM Lane V/C Ratio	-	-	0.175	0.251	-	
HCM Control Delay (s)	-	-	10.1	8.2	0	
HCM Lane LOS	-	-	B	A	A	
HCM 95th %tile Q(veh)	-	-	0.6	1	-	

AM Peak Hour

[illegible]

2025 Background Conditions							A
Phase							
1							
2 NB	134	1667	0.080				
3							
4 EB	277	1641	0.169				
5							
6							
7							
8 WB	356	1654	0.215	Critical Pairs	0.296	Critical	v/c

2025 Build Conditions										A
Phase										
1										
2 NB	138	1667	0.083							
3										
4 EB	301	1641	0.183							
5										
6										
7										
8 WB	365	1654	0.221							

2030 Background Conditions							A
Phase							
1							
2 NB	151	1667	0.091				
3							
4 EB	313	1641	0.191		0.091	Cycle Length	30
5						Lost Time/phase	4
6					0.244	# phases	2
7						Total Lost Time	8
8 WB	404	1654	0.244	Critical Pairs	0.335	Critical v/c	0.46

2030 Build Conditions						A
Phase						
1					1,2	0.093
2 NB	155	1667	0.093		5,6	0.000
3						
4 EB	338	1641	0.206		3,4	0.206
5					7,8	0.249
6						
7						
8 WB	412	1654	0.249	Critical Pairs	0.342	Critical
						v/c

PM Peak Hour

[illegible]

2025 Background Conditions						A
Phase						
1						
2 NB	265	1667	0.159			
3						
4 EB	362	1695	0.214			
5						
6						
7						
8 WB	481	1709	0.281	Critical Pairs	0.440	Critical v/c
						0.58

2025 Build Conditions							A
Phase							
1							
2 NB	282	1667	0.169				
3							
4 EB	380	1695	0.224				
5							
6							
7							
8 WB	513	1709	0.300	Critical Pairs	0.469	Critical	v/c
							0.62

2030 Background Conditions							A
Phase							
1							
2 NB	300	1667	0.180				
3							
4 EB	409	1695	0.241				
5							
6							
7							
8 WB	544	1709	0.318	Critical Pairs	0.498	Critical	v/c

[illegible]

## RIDGEVIEW SUBDIVISION

Queuing and Blocking Report  
2023 Background AM

09/07/2023

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #1

Movement	EB	NB	SB
Directions Served	LTR	LTR	LTR
Maximum Queue (ft)	5	46	28
Average Queue (ft)	1	21	20
95th Queue (ft)	7	52	34
Link Distance (ft)	751	270	373
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #2

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	20	16	52	29
Average Queue (ft)	1	1	16	14
95th Queue (ft)	9	8	47	34
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, All Intervals

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	20	16	56	29
Average Queue (ft)	1	1	17	16
95th Queue (ft)	9	7	48	35
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report  
2023 Background AM

09/07/2023

Intersection: 8: W Central & Dakota St, Interval #1

Movement	EB	SB	SB
Directions Served	L	L	TR
Maximum Queue (ft)	8	34	22
Average Queue (ft)	3	21	10
95th Queue (ft)	13	41	28
Link Distance (ft)			604
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	150	100	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: W Central & Dakota St, Interval #2

Movement	EB	WB	SB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	14	4	42	22
Average Queue (ft)	2	0	18	6
95th Queue (ft)	9	3	40	22
Link Distance (ft)				604
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	150	115	100	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: W Central & Dakota St, All Intervals

Movement	EB	WB	SB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	14	4	46	22
Average Queue (ft)	2	0	19	7
95th Queue (ft)	10	3	40	24
Link Distance (ft)				604
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	150	115	100	
Storage Blk Time (%)				
Queuing Penalty (veh)				



Queuing and Blocking Report  
2023 Background AM

09/07/2023

Intersection: 12: Park Hill & W Central , Interval #1

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	12	78	91
Average Queue (ft)	3	44	47
95th Queue (ft)	18	85	98
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , Interval #2

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	15	79	82
Average Queue (ft)	1	33	36
95th Queue (ft)	8	68	77
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , All Intervals

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	21	90	93
Average Queue (ft)	1	36	39
95th Queue (ft)	11	73	83
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 14: I-5 NB Ramps & W Central , Interval #1

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	55	86	92	44	83	69
Average Queue (ft)	24	52	48	15	43	33
95th Queue (ft)	59	89	104	42	84	64
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			1	0		
Queuing Penalty (veh)			1	0		

Intersection: 14: I-5 NB Ramps & W Central , Interval #2

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	57	93	106	61	89	49
Average Queue (ft)	12	33	36	13	43	22
95th Queue (ft)	43	73	80	41	77	45
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			0	0		
Queuing Penalty (veh)			0	0		

Intersection: 14: I-5 NB Ramps & W Central , All Intervals

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	61	101	122	61	98	70
Average Queue (ft)	15	38	39	13	43	25
95th Queue (ft)	48	80	87	41	79	51
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			0	0		
Queuing Penalty (veh)			0	0		

## Queuing and Blocking Report 2023 Background AM

09/07/2023

### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	58	24
Average Queue (ft)	38	4
95th Queue (ft)	63	22
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	70	48
Average Queue (ft)	36	8
95th Queue (ft)	63	34
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

### Intersection: 17: I-5 Sb ramps & Park Hill, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	70	48
Average Queue (ft)	37	7
95th Queue (ft)	63	31
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

### Network Summary

Network wide Queuing Penalty, Interval #1: 1  
Network wide Queuing Penalty, Interval #2: 0  
Network wide Queuing Penalty, All Intervals: 0

Queuing and Blocking Report  
2025 Background AM

09/07/2023

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #1

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	10	4	39	29
Average Queue (ft)	1	1	18	20
95th Queue (ft)	11	7	45	37
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #2

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	10	10	54	47
Average Queue (ft)	0	0	15	18
95th Queue (ft)	6	6	44	40
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, All Intervals

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	15	14	54	47
Average Queue (ft)	1	0	16	18
95th Queue (ft)	7	6	44	39
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report  
2025 Background AM

09/07/2023

Intersection: 8: W Central & Dakota St, Interval #1

Movement	EB	SB	SB
Directions Served	L	L	TR
Maximum Queue (ft)	9	30	22
Average Queue (ft)	2	21	7
95th Queue (ft)	11	40	25
Link Distance (ft)			604
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	150	100	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: W Central & Dakota St, Interval #2

Movement	EB	WB	SB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	11	4	47	22
Average Queue (ft)	2	0	19	7
95th Queue (ft)	10	3	42	23
Link Distance (ft)				604
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	150	115	100	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: W Central & Dakota St, All Intervals

Movement	EB	WB	SB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	12	4	47	22
Average Queue (ft)	2	0	20	7
95th Queue (ft)	10	2	41	24
Link Distance (ft)				604
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	150	115	100	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report  
2025 Background AM

09/07/2023

Intersection: 12: Park Hill & W Central , Interval #1

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	17	95	72
Average Queue (ft)	4	51	38
95th Queue (ft)	17	93	83
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , Interval #2

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	16	83	71
Average Queue (ft)	2	36	29
95th Queue (ft)	12	72	65
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , All Intervals

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	21	102	88
Average Queue (ft)	2	39	31
95th Queue (ft)	13	79	70
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Queuing and Blocking Report  
2025 Background AM

09/07/2023

Intersection: 14: I-5 NB Ramps & W Central , Interval #1

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	57	80	100	45	89	62
Average Queue (ft)	20	51	57	18	50	34
95th Queue (ft)	59	88	113	56	90	63
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			1			
Queuing Penalty (veh)			1			

Intersection: 14: I-5 NB Ramps & W Central , Interval #2

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	59	114	120	60	99	71
Average Queue (ft)	13	42	41	12	44	24
95th Queue (ft)	47	86	88	39	88	52
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			0	0		
Queuing Penalty (veh)			0	0		

Intersection: 14: I-5 NB Ramps & W Central , All Intervals

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	68	114	122	81	102	76
Average Queue (ft)	15	44	45	13	46	26
95th Queue (ft)	50	87	96	44	89	55
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			1	0		
Queuing Penalty (veh)			1	0		

Queuing and Blocking Report  
2025 Background AM

09/07/2023

Intersection: 17: I-5 Sb ramps & Park Hill, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	78	44
Average Queue (ft)	44	16
95th Queue (ft)	81	49
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 17: I-5 Sb ramps & Park Hill, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	78	48
Average Queue (ft)	34	8
95th Queue (ft)	62	32
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 17: I-5 Sb ramps & Park Hill, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	91	57
Average Queue (ft)	36	10
95th Queue (ft)	68	37
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty, Interval #1: 1  
Network wide Queuing Penalty, Interval #2: 0  
Network wide Queuing Penalty, All Intervals: 1



Queuing and Blocking Report  
2030 Background AM

09/07/2023

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #1

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	5	10	40	38
Average Queue (ft)	1	1	20	19
95th Queue (ft)	7	11	49	39
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #2

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	4	16	61	48
Average Queue (ft)	0	1	18	21
95th Queue (ft)	4	10	48	44
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, All Intervals

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	5	21	64	48
Average Queue (ft)	0	1	19	21
95th Queue (ft)	5	10	48	43
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report  
2030 Background AM

09/07/2023

Intersection: 8: W Central & Dakota St, Interval #1

Movement	EB	SB	SB
Directions Served	L	L	TR
Maximum Queue (ft)	12	46	22
Average Queue (ft)	4	25	6
95th Queue (ft)	15	45	23
Link Distance (ft)			604
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	150	100	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: W Central & Dakota St, Interval #2

Movement	EB	SB	SB
Directions Served	L	L	TR
Maximum Queue (ft)	18	46	27
Average Queue (ft)	2	20	6
95th Queue (ft)	12	41	23
Link Distance (ft)			604
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	150	100	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: W Central & Dakota St, All Intervals

Movement	EB	SB	SB
Directions Served	L	L	TR
Maximum Queue (ft)	18	50	27
Average Queue (ft)	3	21	6
95th Queue (ft)	13	42	23
Link Distance (ft)			604
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	150	100	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Queuing and Blocking Report  
2030 Background AM

09/07/2023

Intersection: 12: Park Hill & W Central , Interval #1

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	32	119	90
Average Queue (ft)	10	66	51
95th Queue (ft)	36	119	95
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , Interval #2

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	33	100	92
Average Queue (ft)	5	40	38
95th Queue (ft)	22	81	81
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , All Intervals

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	43	122	112
Average Queue (ft)	6	46	41
95th Queue (ft)	26	94	85
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Queuing and Blocking Report  
2030 Background AM

09/07/2023

Intersection: 14: I-5 NB Ramps & W Central , Interval #1

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	82	102	110	54	116	67
Average Queue (ft)	37	58	57	19	65	38
95th Queue (ft)	85	103	112	52	114	72
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			2	0		
Queuing Penalty (veh)			2	0		

Intersection: 14: I-5 NB Ramps & W Central , Interval #2

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	67	102	126	64	105	59
Average Queue (ft)	20	43	45	12	45	26
95th Queue (ft)	55	85	88	35	84	53
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			1	0		
Queuing Penalty (veh)			1	0		

Intersection: 14: I-5 NB Ramps & W Central , All Intervals

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	94	113	127	76	126	74
Average Queue (ft)	24	47	48	14	50	29
95th Queue (ft)	65	91	95	40	94	59
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			1	0		
Queuing Penalty (veh)			1	0		

## Queuing and Blocking Report

### 2030 Background AM

09/07/2023

#### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	78	71
Average Queue (ft)	48	24
95th Queue (ft)	80	70
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	74	69
Average Queue (ft)	39	10
95th Queue (ft)	70	42
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Intersection: 17: I-5 Sb ramps & Park Hill, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	88	76
Average Queue (ft)	41	13
95th Queue (ft)	73	51
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Network Summary

Network wide Queuing Penalty, Interval #1: 2  
Network wide Queuing Penalty, Interval #2: 1  
Network wide Queuing Penalty, All Intervals: 1

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #1

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	5	10	29	43
Average Queue (ft)	1	1	12	28
95th Queue (ft)	7	11	36	43
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #2

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	9	11	60	56
Average Queue (ft)	0	1	16	26
95th Queue (ft)	6	8	48	46
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, All Intervals

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	9	16	60	56
Average Queue (ft)	0	1	15	27
95th Queue (ft)	6	9	45	45
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: W Central & Dakota St, Interval #1

Movement	EB	WB	SB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	12	8	42	22
Average Queue (ft)	3	1	25	10
95th Queue (ft)	12	9	45	28
Link Distance (ft)	604			
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	150	115	100	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: W Central & Dakota St, Interval #2

Movement	EB	WB	SB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	14	4	48	22
Average Queue (ft)	3	0	19	9
95th Queue (ft)	12	3	41	26
Link Distance (ft)	604			
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	150	115	100	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: W Central & Dakota St, All Intervals

Movement	EB	WB	SB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	14	12	48	22
Average Queue (ft)	3	0	21	9
95th Queue (ft)	12	5	43	27
Link Distance (ft)	604			
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	150	115	100	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 12: Park Hill & W Central , Interval #1

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	22	97	75
Average Queue (ft)	5	55	40
95th Queue (ft)	23	109	80
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , Interval #2

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	25	86	79
Average Queue (ft)	2	35	37
95th Queue (ft)	14	72	74
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , All Intervals

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	30	100	93
Average Queue (ft)	3	40	38
95th Queue (ft)	16	84	76
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			



Intersection: 14: I-5 NB Ramps & W Central , Interval #1

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	83	99	105	81	108	56
Average Queue (ft)	27	55	52	19	46	33
95th Queue (ft)	80	108	104	53	90	59
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			1	0		
Queuing Penalty (veh)			1	0		

Intersection: 14: I-5 NB Ramps & W Central , Interval #2

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	71	106	93	61	107	66
Average Queue (ft)	17	44	37	14	47	25
95th Queue (ft)	53	87	76	42	88	50
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			0	0		
Queuing Penalty (veh)			0	0		

Intersection: 14: I-5 NB Ramps & W Central , All Intervals

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	94	118	116	96	113	66
Average Queue (ft)	19	47	40	15	47	27
95th Queue (ft)	61	93	84	45	88	53
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			0	0		
Queuing Penalty (veh)			0	0		

Intersection: 17: I-5 Sb ramps & Park Hill, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	70	28
Average Queue (ft)	41	5
95th Queue (ft)	73	27
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 17: I-5 Sb ramps & Park Hill, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	75	60
Average Queue (ft)	39	11
95th Queue (ft)	68	43
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 17: I-5 Sb ramps & Park Hill, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	84	60
Average Queue (ft)	40	10
95th Queue (ft)	69	40
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty, Interval #1: 1
Network wide Queuing Penalty, Interval #2: 0
Network wide Queuing Penalty, All Intervals: 0

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #1

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	5	11	46	49
Average Queue (ft)	1	2	19	30
95th Queue (ft)	7	14	50	48
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #2

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	6	21	57	48
Average Queue (ft)	0	2	18	26
95th Queue (ft)	6	13	49	42
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, All Intervals

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	10	22	58	52
Average Queue (ft)	1	2	18	27
95th Queue (ft)	6	13	49	44
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: W Central & Dakota St, Interval #1

Movement	EB	SB	SB
Directions Served	L	L	TR
Maximum Queue (ft)	12	33	22
Average Queue (ft)	3	22	11
95th Queue (ft)	12	42	29
Link Distance (ft)			604
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)	150	100	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 8: W Central & Dakota St, Interval #2

Movement	EB	WB	SB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	15	4	46	31
Average Queue (ft)	4	0	21	13
95th Queue (ft)	14	3	43	32
Link Distance (ft)				604
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	150	115	100	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 8: W Central & Dakota St, All Intervals

Movement	EB	WB	SB	SB
Directions Served	L	R	L	TR
Maximum Queue (ft)	15	4	46	31
Average Queue (ft)	4	0	21	12
95th Queue (ft)	14	3	43	31
Link Distance (ft)				604
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)	150	115	100	
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report  
2030 Build AM

09/07/2023

Intersection: 12: Park Hill & W Central , Interval #1

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	32	88	124
Average Queue (ft)	6	55	51
95th Queue (ft)	36	89	106
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , Interval #2

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	33	89	99
Average Queue (ft)	5	40	41
95th Queue (ft)	21	77	82
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , All Intervals

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	52	96	126
Average Queue (ft)	5	44	43
95th Queue (ft)	26	81	89
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 14: I-5 NB Ramps & W Central , Interval #1

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	56	101	129	85	119	81
Average Queue (ft)	25	60	70	27	63	43
95th Queue (ft)	62	102	131	76	114	78
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			2	0		
Queuing Penalty (veh)			2	0		

Intersection: 14: I-5 NB Ramps & W Central , Interval #2

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	66	104	118	74	85	64
Average Queue (ft)	20	48	47	16	41	30
95th Queue (ft)	58	90	104	52	75	57
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			1	0		
Queuing Penalty (veh)			1	0		

Intersection: 14: I-5 NB Ramps & W Central , All Intervals

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	70	115	141	112	119	83
Average Queue (ft)	21	51	53	18	47	33
95th Queue (ft)	59	94	113	59	88	64
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			1	0		
Queuing Penalty (veh)			1	0		

Intersection: 17: I-5 Sb ramps & Park Hill, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	78	52
Average Queue (ft)	44	12
95th Queue (ft)	70	45
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 17: I-5 Sb ramps & Park Hill, Interval #2

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	65	65
Average Queue (ft)	38	10
95th Queue (ft)	63	42
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Intersection: 17: I-5 Sb ramps & Park Hill, All Intervals

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	78	69
Average Queue (ft)	40	10
95th Queue (ft)	65	43
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

Network Summary

Network wide Queuing Penalty, Interval #1: 3
Network wide Queuing Penalty, Interval #2: 1
Network wide Queuing Penalty, All Intervals: 1

Queuing and Blocking Report  
2023 Background

09/07/2023

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #1

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	5	26	29	36
Average Queue (ft)	1	6	13	16
95th Queue (ft)	7	23	37	40
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #2

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	10	22	30	49
Average Queue (ft)	1	3	14	19
95th Queue (ft)	8	18	38	41
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, All Intervals

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	15	28	30	54
Average Queue (ft)	1	4	14	18
95th Queue (ft)	7	19	38	41
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				



Queuing and Blocking Report  
2023 Background

09/07/2023

Intersection: 8: W Central & Dakota St, Interval #1

Movement	EB	WB	NB	SB	SB
Directions Served	L	R	LTR	L	TR
Maximum Queue (ft)	14	4	18	68	41
Average Queue (ft)	5	0	4	43	21
95th Queue (ft)	16	5	18	80	42
Link Distance (ft)			184		604
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)	150	115		100	
Storage Blk Time (%)				0	
Queuing Penalty (veh)				0	

Intersection: 8: W Central & Dakota St, Interval #2

Movement	EB	WB	WB	NB	SB	SB
Directions Served	L	LT	R	LTR	L	TR
Maximum Queue (ft)	18	3	4	18	96	32
Average Queue (ft)	3	0	0	2	45	18
95th Queue (ft)	14	3	3	12	82	35
Link Distance (ft)		1000		184		604
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150		115		100	
Storage Blk Time (%)					0	
Queuing Penalty (veh)					0	

Intersection: 8: W Central & Dakota St, All Intervals

Movement	EB	WB	WB	NB	SB	SB
Directions Served	L	LT	R	LTR	L	TR
Maximum Queue (ft)	18	3	7	24	99	41
Average Queue (ft)	4	0	0	2	44	18
95th Queue (ft)	14	2	4	14	81	37
Link Distance (ft)		1000		184		604
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150		115		100	
Storage Blk Time (%)					0	
Queuing Penalty (veh)					0	

Queuing and Blocking Report  
2023 Background

09/07/2023

Intersection: 12: Park Hill & W Central , Interval #1

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	13	81	54
Average Queue (ft)	2	46	28
95th Queue (ft)	14	81	58
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , Interval #2

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	34	106	65
Average Queue (ft)	3	43	30
95th Queue (ft)	19	78	60
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , All Intervals

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	34	110	73
Average Queue (ft)	3	44	30
95th Queue (ft)	18	79	59
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 14: I-5 NB Ramps & W Central , Interval #1

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	44	89	132	69	116	86
Average Queue (ft)	27	62	72	22	68	41
95th Queue (ft)	55	91	126	58	112	71
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			2	0		
Queuing Penalty (veh)			2	0		

Intersection: 14: I-5 NB Ramps & W Central , Interval #2

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	60	116	150	67	122	94
Average Queue (ft)	31	57	62	16	63	44
95th Queue (ft)	58	99	118	51	109	76
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			2	0		
Queuing Penalty (veh)			1	0		

Intersection: 14: I-5 NB Ramps & W Central , All Intervals

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	60	118	161	83	129	99
Average Queue (ft)	30	58	65	17	64	43
95th Queue (ft)	57	98	120	53	110	75
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			2	0		
Queuing Penalty (veh)			2	0		

## Queuing and Blocking Report 2023 Background

09/07/2023

### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #1

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	68	14	49
Average Queue (ft)	37	2	18
95th Queue (ft)	68	21	52
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #2

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	64	4	64
Average Queue (ft)	32	0	17
95th Queue (ft)	54	4	54
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

### Intersection: 17: I-5 Sb ramps & Park Hill, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	75	18	69
Average Queue (ft)	33	1	18
95th Queue (ft)	58	11	54
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

### Network Summary

Network wide Queuing Penalty, Interval #1: 3  
Network wide Queuing Penalty, Interval #2: 2  
Network wide Queuing Penalty, All Intervals: 2

# Queuing and Blocking Report

## 2025 Background

09/07/2023

### Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #1

Movement	WB	NB	SB
Directions Served	LT	LTR	LTR
Maximum Queue (ft)	12	30	45
Average Queue (ft)	2	16	18
95th Queue (ft)	13	40	50
Link Distance (ft)	567	270	373
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

### Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #2

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	14	37	30	49
Average Queue (ft)	1	5	16	18
95th Queue (ft)	9	24	39	44
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

### Intersection: 3: Dovetail & Elkton Sutherlin Hwy, All Intervals

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	14	37	30	54
Average Queue (ft)	1	4	16	18
95th Queue (ft)	8	22	39	45
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

# Queuing and Blocking Report

## 2025 Background

09/07/2023

### Intersection: 8: W Central & Dakota St, Interval #1

Movement	EB	WB	WB	NB	SB	SB
Directions Served	L	LT	R	LTR	L	TR
Maximum Queue (ft)	20	3	4	18	93	27
Average Queue (ft)	6	0	1	2	56	16
95th Queue (ft)	21	4	6	13	100	34
Link Distance (ft)		1000		184		604
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150		115		100	
Storage Blk Time (%)					2	
Queuing Penalty (veh)					1	

### Intersection: 8: W Central & Dakota St, Interval #2

Movement	EB	WB	NB	SB	SB
Directions Served	L	R	LTR	L	TR
Maximum Queue (ft)	27	12	30	94	41
Average Queue (ft)	4	1	3	45	19
95th Queue (ft)	17	6	16	75	37
Link Distance (ft)			184		604
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)	150	115		100	
Storage Blk Time (%)				0	
Queuing Penalty (veh)				0	

### Intersection: 8: W Central & Dakota St, All Intervals

Movement	EB	WB	WB	NB	SB	SB
Directions Served	L	LT	R	LTR	L	TR
Maximum Queue (ft)	32	3	12	30	100	41
Average Queue (ft)	4	0	1	2	47	19
95th Queue (ft)	18	2	6	16	83	36
Link Distance (ft)		1000		184		604
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150		115		100	
Storage Blk Time (%)					1	
Queuing Penalty (veh)					0	

Queuing and Blocking Report  
2025 Background

09/07/2023

Intersection: 12: Park Hill & W Central , Interval #1

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	27	67	61
Average Queue (ft)	5	47	36
95th Queue (ft)	23	76	64
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , Interval #2

Movement	EB	WB	NB	NB
Directions Served	TR	L	L	R
Maximum Queue (ft)	25	86	94	23
Average Queue (ft)	2	45	34	1
95th Queue (ft)	14	74	75	19
Link Distance (ft)	1000		573	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		190		200
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 12: Park Hill & W Central , All Intervals

Movement	EB	WB	NB	NB
Directions Served	TR	L	L	R
Maximum Queue (ft)	30	86	98	23
Average Queue (ft)	3	45	35	1
95th Queue (ft)	16	74	72	17
Link Distance (ft)	1000		573	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		190		200
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report  
2025 Background

09/07/2023

Intersection: 14: I-5 NB Ramps & W Central , Interval #1

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	61	102	138	93	151	88
Average Queue (ft)	31	69	78	31	78	49
95th Queue (ft)	62	106	147	93	150	86
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			4	0	0	
Queuing Penalty (veh)			4	0	1	

Intersection: 14: I-5 NB Ramps & W Central , Interval #2

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	93	118	158	99	129	91
Average Queue (ft)	30	66	70	20	68	45
95th Queue (ft)	71	101	126	58	116	76
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			3	0		
Queuing Penalty (veh)			3	0		

Intersection: 14: I-5 NB Ramps & W Central , All Intervals

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	97	121	169	111	161	101
Average Queue (ft)	30	67	72	22	71	46
95th Queue (ft)	69	102	131	68	125	79
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			3	0	0	
Queuing Penalty (veh)			3	0	0	



## Queuing and Blocking Report

### 2025 Background

09/07/2023

#### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	62	44
Average Queue (ft)	33	19
95th Queue (ft)	61	52
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #2

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	80	8	74
Average Queue (ft)	35	0	22
95th Queue (ft)	61	5	59
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

#### Intersection: 17: I-5 Sb ramps & Park Hill, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	85	8	74
Average Queue (ft)	34	0	21
95th Queue (ft)	61	4	58
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

#### Network Summary

Network wide Queuing Penalty, Interval #1: 6  
Network wide Queuing Penalty, Interval #2: 3  
Network wide Queuing Penalty, All Intervals: 4

Queuing and Blocking Report  
2030 Background

09/07/2023

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #1

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	10	27	30	40
Average Queue (ft)	1	8	14	23
95th Queue (ft)	11	31	37	52
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #2

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	20	43	30	62
Average Queue (ft)	1	7	15	22
95th Queue (ft)	9	31	39	47
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, All Intervals

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	24	48	30	62
Average Queue (ft)	1	7	15	22
95th Queue (ft)	10	31	39	48
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

# Queuing and Blocking Report

## 2030 Background

09/07/2023

### Intersection: 8: W Central & Dakota St, Interval #1

Movement	EB	WB	NB	SB	SB
Directions Served	L	R	LTR	L	TR
Maximum Queue (ft)	15	4	24	92	41
Average Queue (ft)	4	1	5	58	23
95th Queue (ft)	14	6	23	100	43
Link Distance (ft)			184		604
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)	150	115		100	
Storage Blk Time (%)				2	
Queuing Penalty (veh)				1	

### Intersection: 8: W Central & Dakota St, Interval #2

Movement	EB	WB	WB	NB	SB	SB
Directions Served	L	LT	R	LTR	L	TR
Maximum Queue (ft)	40	9	8	30	111	65
Average Queue (ft)	7	0	1	3	55	20
95th Queue (ft)	27	8	7	19	99	50
Link Distance (ft)		1000		184		604
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150		115		100	
Storage Blk Time (%)					2	
Queuing Penalty (veh)					1	

### Intersection: 8: W Central & Dakota St, All Intervals

Movement	EB	WB	WB	NB	SB	SB
Directions Served	L	LT	R	LTR	L	TR
Maximum Queue (ft)	40	9	12	30	114	70
Average Queue (ft)	6	0	1	4	56	21
95th Queue (ft)	24	6	7	20	99	49
Link Distance (ft)		1000		184		604
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150		115		100	
Storage Blk Time (%)					2	
Queuing Penalty (veh)					1	

Queuing and Blocking Report  
2030 Background

09/07/2023

Intersection: 12: Park Hill & W Central , Interval #1

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	17	96	70
Average Queue (ft)	4	55	41
95th Queue (ft)	18	92	76
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , Interval #2

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	37	101	87
Average Queue (ft)	4	49	34
95th Queue (ft)	22	87	70
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , All Intervals

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	37	113	93
Average Queue (ft)	4	51	35
95th Queue (ft)	21	88	72
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Queuing and Blocking Report  
2030 Background

09/07/2023

Intersection: 14: I-5 NB Ramps & W Central , Interval #1

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	65	107	184	89	125	93
Average Queue (ft)	36	75	103	35	81	53
95th Queue (ft)	81	118	189	97	133	93
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			7	0		
Queuing Penalty (veh)			9	0		

Intersection: 14: I-5 NB Ramps & W Central , Interval #2

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	74	125	229	104	159	92
Average Queue (ft)	30	66	92	25	78	48
95th Queue (ft)	67	112	182	70	131	84
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			5	0		
Queuing Penalty (veh)			6	0		

Intersection: 14: I-5 NB Ramps & W Central , All Intervals

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	83	131	247	113	167	110
Average Queue (ft)	32	69	95	28	79	49
95th Queue (ft)	70	114	184	77	131	86
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			6	0		
Queuing Penalty (veh)			6	0		

## Queuing and Blocking Report

### 2030 Background

09/07/2023

#### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	64	56
Average Queue (ft)	40	32
95th Queue (ft)	73	65
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #2

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	75	4	63
Average Queue (ft)	35	0	19
95th Queue (ft)	62	4	57
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

#### Intersection: 17: I-5 Sb ramps & Park Hill, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	82	4	66
Average Queue (ft)	37	0	22
95th Queue (ft)	65	3	60
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

#### Network Summary

Network wide Queuing Penalty, Interval #1: 10  
Network wide Queuing Penalty, Interval #2: 7  
Network wide Queuing Penalty, All Intervals: 8

Queuing and Blocking Report  
2025 Build

09/07/2023

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #1

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	5	35	30	55
Average Queue (ft)	2	9	16	25
95th Queue (ft)	12	33	39	55
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #2

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	15	42	39	81
Average Queue (ft)	1	10	15	32
95th Queue (ft)	8	34	40	64
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, All Intervals

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	15	48	39	86
Average Queue (ft)	1	9	15	30
95th Queue (ft)	9	34	40	62
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report  
2025 Build

09/07/2023

Intersection: 8: W Central & Dakota St, Interval #1

Movement	EB	WB	NB	SB	SB
Directions Served	L	R	LTR	L	TR
Maximum Queue (ft)	23	4	18	77	31
Average Queue (ft)	8	1	4	50	22
95th Queue (ft)	24	6	21	85	38
Link Distance (ft)			184		604
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)	150	115		100	
Storage Blk Time (%)				0	
Queuing Penalty (veh)				0	

Intersection: 8: W Central & Dakota St, Interval #2

Movement	EB	WB	WB	NB	SB	SB
Directions Served	L	LT	R	LTR	L	TR
Maximum Queue (ft)	41	5	16	24	105	41
Average Queue (ft)	9	0	1	2	44	18
95th Queue (ft)	27	4	9	15	85	39
Link Distance (ft)		1000		184		604
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150		115		100	
Storage Blk Time (%)					1	
Queuing Penalty (veh)					0	

Intersection: 8: W Central & Dakota St, All Intervals

Movement	EB	WB	WB	NB	SB	SB
Directions Served	L	LT	R	LTR	L	TR
Maximum Queue (ft)	42	5	16	24	105	41
Average Queue (ft)	9	0	1	3	45	19
95th Queue (ft)	26	3	8	17	85	39
Link Distance (ft)		1000		184		604
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150		115		100	
Storage Blk Time (%)					1	
Queuing Penalty (veh)					0	



Queuing and Blocking Report  
2025 Build

09/07/2023

Intersection: 12: Park Hill & W Central , Interval #1

Movement	EB	WB	NB	NB
Directions Served	TR	L	L	R
Maximum Queue (ft)	24	79	87	58
Average Queue (ft)	6	52	44	8
95th Queue (ft)	25	85	94	53
Link Distance (ft)	1000		573	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		190		200
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 12: Park Hill & W Central , Interval #2

Movement	EB	WB	NB	
Directions Served	TR	L	L	
Maximum Queue (ft)	36	102	70	
Average Queue (ft)	5	48	30	
95th Queue (ft)	24	87	60	
Link Distance (ft)	1000		573	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		190		
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 12: Park Hill & W Central , All Intervals

Movement	EB	WB	NB	NB
Directions Served	TR	L	L	R
Maximum Queue (ft)	42	108	93	58
Average Queue (ft)	5	49	34	2
95th Queue (ft)	24	87	71	25
Link Distance (ft)	1000		573	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		190		200
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 14: I-5 NB Ramps & W Central , Interval #1

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	70	94	157	84	109	81
Average Queue (ft)	32	71	101	23	67	50
95th Queue (ft)	76	102	190	68	107	91
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			5	0		
Queuing Penalty (veh)			6	0		

Intersection: 14: I-5 NB Ramps & W Central , Interval #2

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	70	154	179	60	156	96
Average Queue (ft)	30	69	74	16	69	42
95th Queue (ft)	60	119	139	45	121	75
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)		0	3	0	0	
Queuing Penalty (veh)		0	3	0	0	

Intersection: 14: I-5 NB Ramps & W Central , All Intervals

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	87	154	205	98	156	104
Average Queue (ft)	30	69	80	17	68	44
95th Queue (ft)	65	115	155	51	118	79
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)		0	3	0	0	
Queuing Penalty (veh)		0	3	0	0	

## Queuing and Blocking Report

### 2025 Build

09/07/2023

#### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #1

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	50	4	57
Average Queue (ft)	29	1	21
95th Queue (ft)	45	7	55
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

#### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #2

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	65	4	68
Average Queue (ft)	33	0	20
95th Queue (ft)	57	4	56
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

#### Intersection: 17: I-5 Sb ramps & Park Hill, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	65	4	76
Average Queue (ft)	32	0	20
95th Queue (ft)	54	5	56
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

#### Network Summary

Network wide Queuing Penalty, Interval #1: 6  
Network wide Queuing Penalty, Interval #2: 3  
Network wide Queuing Penalty, All Intervals: 4

Queuing and Blocking Report  
2030 Build

09/07/2023

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #1

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	9	21	38	50
Average Queue (ft)	1	3	16	28
95th Queue (ft)	10	16	42	49
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, Interval #2

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	15	51	39	72
Average Queue (ft)	2	7	16	34
95th Queue (ft)	12	32	41	64
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Intersection: 3: Dovetail & Elkton Sutherlin Hwy, All Intervals

Movement	EB	WB	NB	SB
Directions Served	LTR	LT	LTR	LTR
Maximum Queue (ft)	20	51	43	72
Average Queue (ft)	2	6	16	32
95th Queue (ft)	12	29	41	61
Link Distance (ft)	751	567	270	373
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)				
Storage Blk Time (%)				
Queuing Penalty (veh)				

Queuing and Blocking Report  
2030 Build

09/07/2023

Intersection: 8: W Central & Dakota St, Interval #1

Movement	EB	WB	NB	SB	SB
Directions Served	L	R	LTR	L	TR
Maximum Queue (ft)	34	16	24	106	70
Average Queue (ft)	13	2	5	56	19
95th Queue (ft)	36	13	22	99	45
Link Distance (ft)			184		604
Upstream Blk Time (%)					
Queuing Penalty (veh)					
Storage Bay Dist (ft)	150	115		100	
Storage Blk Time (%)				2	
Queuing Penalty (veh)				1	

Intersection: 8: W Central & Dakota St, Interval #2

Movement	EB	WB	WB	NB	SB	SB
Directions Served	L	LT	R	LTR	L	TR
Maximum Queue (ft)	52	12	16	35	115	117
Average Queue (ft)	8	1	1	4	54	24
95th Queue (ft)	30	8	8	21	102	74
Link Distance (ft)		1000		184		604
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150		115		100	
Storage Blk Time (%)					4	
Queuing Penalty (veh)					2	

Intersection: 8: W Central & Dakota St, All Intervals

Movement	EB	WB	WB	NB	SB	SB
Directions Served	L	LT	R	LTR	L	TR
Maximum Queue (ft)	53	12	20	35	115	122
Average Queue (ft)	9	0	1	4	55	23
95th Queue (ft)	32	7	9	22	101	68
Link Distance (ft)		1000		184		604
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	150		115		100	
Storage Blk Time (%)					4	
Queuing Penalty (veh)					2	

Queuing and Blocking Report  
2030 Build

09/07/2023

Intersection: 12: Park Hill & W Central , Interval #1

Movement	EB	WB	NB
Directions Served	TR	L	L
Maximum Queue (ft)	18	96	88
Average Queue (ft)	5	62	52
95th Queue (ft)	20	103	95
Link Distance (ft)	1000		573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)		190	
Storage Blk Time (%)			
Queuing Penalty (veh)			

Intersection: 12: Park Hill & W Central , Interval #2

Movement	EB	WB	NB	NB
Directions Served	TR	L	L	R
Maximum Queue (ft)	54	125	84	22
Average Queue (ft)	8	53	37	2
95th Queue (ft)	35	91	72	24
Link Distance (ft)	1000		573	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		190		200
Storage Blk Time (%)		0		
Queuing Penalty (veh)		0		

Intersection: 12: Park Hill & W Central , All Intervals

Movement	EB	WB	NB	NB
Directions Served	TR	L	L	R
Maximum Queue (ft)	54	125	93	22
Average Queue (ft)	7	55	40	1
95th Queue (ft)	32	94	79	21
Link Distance (ft)	1000		573	
Upstream Blk Time (%)				
Queuing Penalty (veh)				
Storage Bay Dist (ft)		190		200
Storage Blk Time (%)		0		
Queuing Penalty (veh)		0		

Intersection: 14: I-5 NB Ramps & W Central , Interval #1

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	53	120	215	99	120	94
Average Queue (ft)	33	80	129	47	79	48
95th Queue (ft)	57	126	234	118	125	86
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)			0			
Queuing Penalty (veh)			0			
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)			10	0		
Queuing Penalty (veh)			12	1		

Intersection: 14: I-5 NB Ramps & W Central , Interval #2

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	75	149	173	112	172	117
Average Queue (ft)	35	76	95	31	86	53
95th Queue (ft)	67	129	162	90	147	93
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)						
Queuing Penalty (veh)						
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)		0	6	0		
Queuing Penalty (veh)		0	7	0		

Intersection: 14: I-5 NB Ramps & W Central , All Intervals

Movement	EB	EB	WB	WB	NB	NB
Directions Served	L	T	T	R	LT	R
Maximum Queue (ft)	80	152	225	115	172	117
Average Queue (ft)	35	77	103	35	84	51
95th Queue (ft)	65	128	185	98	143	91
Link Distance (ft)		438	371		428	
Upstream Blk Time (%)			0			
Queuing Penalty (veh)			0			
Storage Bay Dist (ft)	200			90		217
Storage Blk Time (%)		0	7	0		
Queuing Penalty (veh)		0	8	0		

## Queuing and Blocking Report

### 2030 Build

09/07/2023

#### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #1

Movement	WB	SB
Directions Served	LR	LT
Maximum Queue (ft)	65	55
Average Queue (ft)	35	27
95th Queue (ft)	61	59
Link Distance (ft)	750	573
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)		
Queuing Penalty (veh)		

#### Intersection: 17: I-5 Sb ramps & Park Hill, Interval #2

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	104	4	66
Average Queue (ft)	37	0	28
95th Queue (ft)	71	4	62
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

#### Intersection: 17: I-5 Sb ramps & Park Hill, All Intervals

Movement	WB	NB	SB
Directions Served	LR	TR	LT
Maximum Queue (ft)	104	4	67
Average Queue (ft)	37	0	28
95th Queue (ft)	69	3	62
Link Distance (ft)	750	360	573
Upstream Blk Time (%)			
Queuing Penalty (veh)			
Storage Bay Dist (ft)			
Storage Blk Time (%)			
Queuing Penalty (veh)			

#### Network Summary

Network wide Queuing Penalty, Interval #1: 14  
Network wide Queuing Penalty, Interval #2: 9  
Network wide Queuing Penalty, All Intervals: 11



## RIDGEVIEW SUBDIVISION

<b>Major Street:</b>	Highway 138
<b>Minor Street:</b>	Park Hill
<b>Project Name:</b>	Ridgeview
<b>City/County:</b>	Sutherlin
<b>Analysis Year:</b>	2030
<b>Alternative:</b>	PM with Development
<b>Meet 70% Warrants?:</b>	Yes
	70%

**Major**

**Approach Lanes:** 1

**Minor**

**Approach Lanes:** 2 or more

**Major**

**Approach Volumes (vph):** 1379

**Minor**

**Approach Volume (vph):** 167

**Right Turn Volume (vph):** 116

**Capacity of Shared/Exclusive Right Turn Lane<sup>1</sup>:** 585

**Right Turn Discount:** 497

**Right Turn Volume included in Warrant:** 0

**Minor Approach Volume in Warrant:** 51

**Major Approach K factor:** 10

**Minor Approach K factor:** 10

<sup>1</sup> Capacity obtained from unsignalized intersection analysis

For guidance on preliminary signal warrant analysis, refer to the Analysis Procedures Manual.

**Oregon Department of Transportation**  
**Transportation Development Branch**  
**Transportation Planning Analysis Unit**

**Preliminary Traffic Signal Warrant Analysis<sup>1</sup>**

<b>Major Street:</b> Highway 138	<b>Minor Street:</b> Park Hill
<b>Project:</b> Ridgeview	<b>City/County:</b> Sutherlin
<b>Year:</b> 2030	<b>Alternative:</b> PM with Development

**Preliminary Signal Warrant Volumes**

Number of Approach lanes		ADT on major street approaching from both directions		ADT on minor street, highest approaching volume	
Major Street	Minor Street	Percent of standard warrants 100	70	Percent of standard warrants 100	70

**Case A: Minimum Vehicular Traffic**

1	1	8850	6200	2650	1850
2 or more	1	10600	7400	2650	1850
2 or more	2 or more	10600	7400	3550	2500
1	2 or more	8850	6200	3550	2500

**Case B: Interruption of Continuous Traffic**

1	1	13300	9300	1350	950
2 or more	1	15900	11100	1350	950
2 or more	2 or more	15900	11100	1750	1250
1	2 or more	13300	9300	1750	1250

100 percent of standard warrants

<b>X</b>	70 percent of standard warrants <sup>2</sup>
----------	--

**Preliminary Signal Warrant Calculation**

	Street	Number of Lanes	Warrant Volumes	Approach Volumes	Warrant Met
Case A	Major	1	6200	13790	N
	Minor	2 or more	2500	510	
Case B	Major	1	9300	13790	N
	Minor	2 or more	1250	510	

<b>Analyst and Date:</b>	<b>Reviewer and Date:</b>
--------------------------	---------------------------

<sup>1</sup> Meeting preliminary signal warrants does **not** guarantee that a signal will be installed. When preliminary signal warrants are met, project analysts need to coordinate with Region Traffic to initiate the traffic signal engineering investigation as outlined in the Traffic Manual. Before a signal can be installed, the engineering investigation must be conducted or reviewed by the Region Traffic Manager who will forward signal recommendations to headquarters. Traffic signal warrants must be met and the State Traffic Engineer's approval obtained before a traffic signal can be installed on a state highway.

<sup>2</sup> Used due to 85th percentile speed in excess of 40 mph or isolated community with population of less than 10,000.

<b>Major Street:</b>	Highway 138
<b>Minor Street:</b>	Dakota
<b>Project Name:</b>	Ridgeview
<b>City/County:</b>	Sutherlin
<b>Analysis Year:</b>	2030
<b>Alternative:</b>	PM with Development
<b>Meet 70% Warrants?:</b>	Yes
	70%

**Major**

<b>Approach Lanes:</b>	1
------------------------	---

**Minor**

<b>Approach Lanes:</b>	2 or more
------------------------	-----------

**Major**

<b>Approach Volumes (vph):</b>	1104
--------------------------------	------

**Minor**

<b>Approach Volume (vph):</b>	195
<b>Right Turn Volume (vph):</b>	50
<b>Capacity of Shared/Exclusive Right Turn Lane<sup>1</sup>:</b>	531
<b>Right Turn Discount:</b>	451
<b>Right Turn Volume included in Warrant:</b>	0
<b>Minor Approach Volume in Warrant:</b>	145

<b>Major Approach K factor:</b>	10
---------------------------------	----

<b>Minor Approach K factor:</b>	10
---------------------------------	----

<sup>1</sup> Capacity obtained from unsignalized intersection analysis

For guidance on preliminary signal warrant analysis, refer to the Analysis Procedures Manual.

Last Updated: January 2018


Oregon Department of Transportation					
Transportation Development Branch					
Transportation Planning Analysis Unit					
<b>Preliminary Traffic Signal Warrant Analysis<sup>1</sup></b>					
<b>Major Street:</b> Highway 138			<b>Minor Street:</b> Dakota		
<b>Project:</b> Ridgeview			<b>City/County:</b> Sutherlin		
<b>Year:</b> 2030			<b>Alternative:</b> PM with Development		
<b>Preliminary Signal Warrant Volumes</b>					
Number of Approach lanes		ADT on major street approaching from both directions		ADT on minor street, highest approaching volume	
Major Street	Minor Street	Percent of standard warrants		Percent of standard warrants	
		100	70	100	70
<b>Case A: Minimum Vehicular Traffic</b>					
1	1	8850	6200	2650	1850
2 or more	1	10600	7400	2650	1850
2 or more	2 or more	10600	7400	3550	2500
1	2 or more	8850	6200	3550	2500
<b>Case B: Interruption of Continuous Traffic</b>					
1	1	13300	9300	1350	950
2 or more	1	15900	11100	1350	950
2 or more	2 or more	15900	11100	1750	1250
1	2 or more	13300	9300	1750	1250
	100 percent of standard warrants				
<b>X</b>	70 percent of standard warrants <sup>2</sup>				
<b>Preliminary Signal Warrant Calculation</b>					
	Street	Number of Lanes	Warrant Volumes	Approach Volumes	Warrant Met
Case A	Major	1	6200	11040	N
	Minor	2 or more	2500	1450	
Case B	Major	1	9300	11040	Y
	Minor	2 or more	1250	1450	
Analyst and Date:			Reviewer and Date:		

<sup>1</sup> Meeting preliminary signal warrants does **not** guarantee that a signal will be installed. When preliminary signal warrants are met, project analysts need to coordinate with Region Traffic to initiate the traffic signal engineering investigation as outlined in the Traffic Manual. Before a signal can be installed, the engineering investigation must be conducted or reviewed by the Region Traffic Manager who will forward signal recommendations to headquarters. Traffic signal warrants must be met and the State Traffic Engineer's approval obtained before a traffic signal can be installed on a state highway.

<sup>2</sup> Used due to 85th percentile speed in excess of 40 mph or isolated community with population of less than 10,000.

# SANDOW ENGINEERING

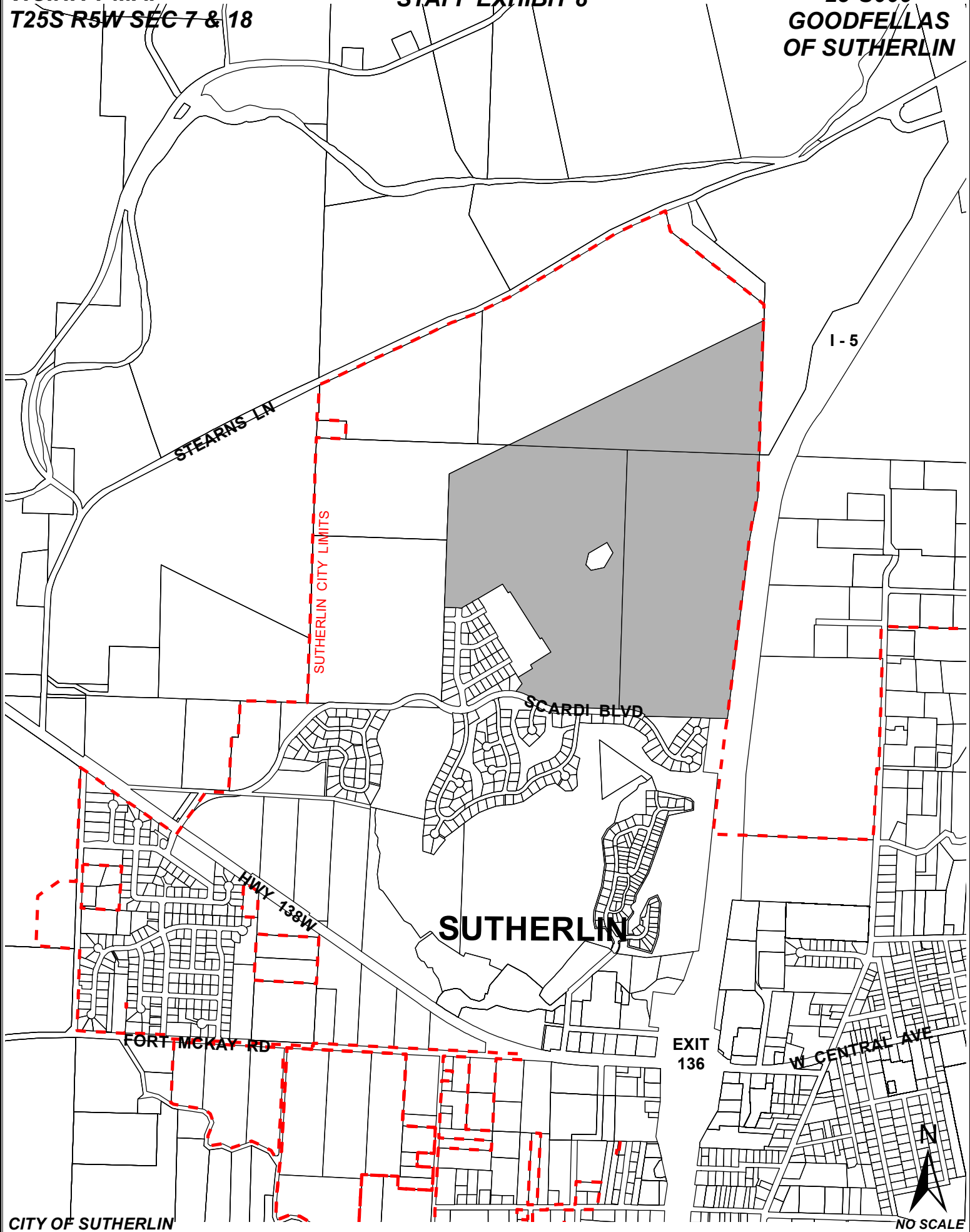
160 Madison Street, Suite A  
Eugene, Oregon 97402  
541.513.3376  
[sandowengineering.com](http://sandowengineering.com)



VICINITY MAP  
T25S R5W SEC 7 & 18

STAFF EXHIBIT 8

23-S009  
GOODFELLAS  
OF SUTHERLIN



CITY OF SUTHERLIN

NO SCALE

**ASSESSOR MAP  
T25S R05W SEC 7 & 18**

**STAFF EXHIBIT 7**

**23-S009  
GOODFELLAS  
OF SUTHERLIN**

West Central  
Service Inc

Sutherlin  
Ventures LLC

West Central  
Service Inc

**STEARNS LN**

Sutherlin  
Ventures LLC

**GOODFELLAS  
OF SUTHERLIN, LLC**

**1 - 5**

City of  
Sutherlin

Npo  
Properties LLC

City of  
Sutherlin

City of  
Sutherlin

**PEBBLE CREEK ST**

Galpin

Rose  
Reeves  
Merrill  
Covington

**SCARDI BLVD**

Kelley & Peery  
Lovemark Trust  
Dated 4/3/2023

The Knolls Estates  
Pud Owners' Inc  
Assoc of Oregon

Boehm Wilcox  
& Wilcox

Waechter  
Lee  
Dennis  
Treadaway Living  
Trust Dated 1/17/2023

The Knolls Estates  
Pud Owners' Assoc  
Inc of Oregon

The Knolls Estates  
Pud Owners' Assoc  
Inc of Oregon

Trowbridge  
Riley  
Drake  
Amavisca  
& Hyatt

**SUTHERLIN CITY LIMITS**

**CITY OF SUTHERLIN**





THIS MAP WAS PREPARED FOR  
ASSESSMENT PURPOSE ONLY.

SEC.7 T.25S. R.5W. W.M.  
DOUGLAS COUNTY

1" = 400'

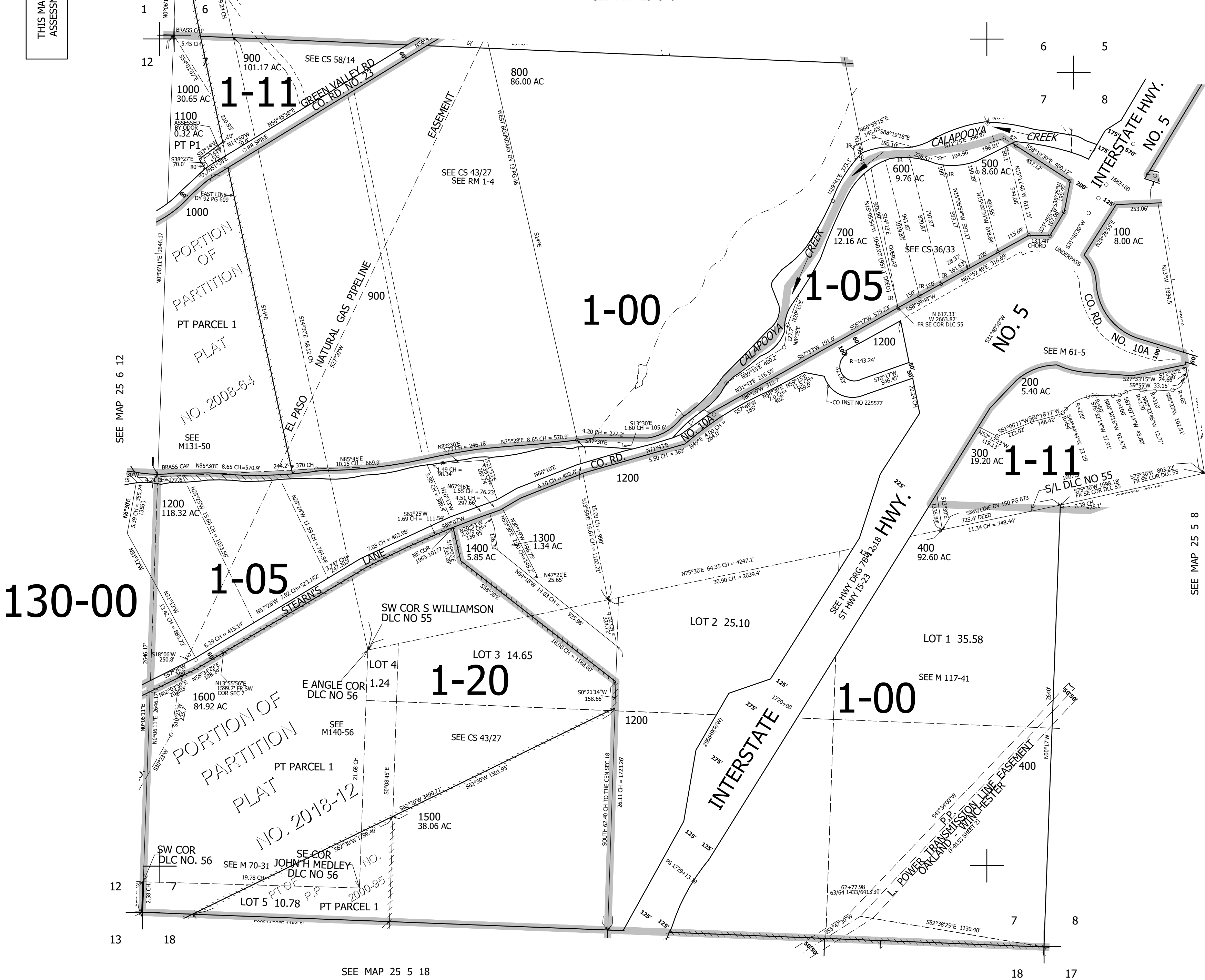
STAFF EXHIBIT 8

REVISED ON  
4-30-17

25 5 7  
SUTHERLIN

CANCELLED NOS  
800M1 1600M1 1501  
1601

SEE MAP 25 5 6



Upper Left:  
123°21'7"W 43°24'18"N  
4163587E 646438N ft

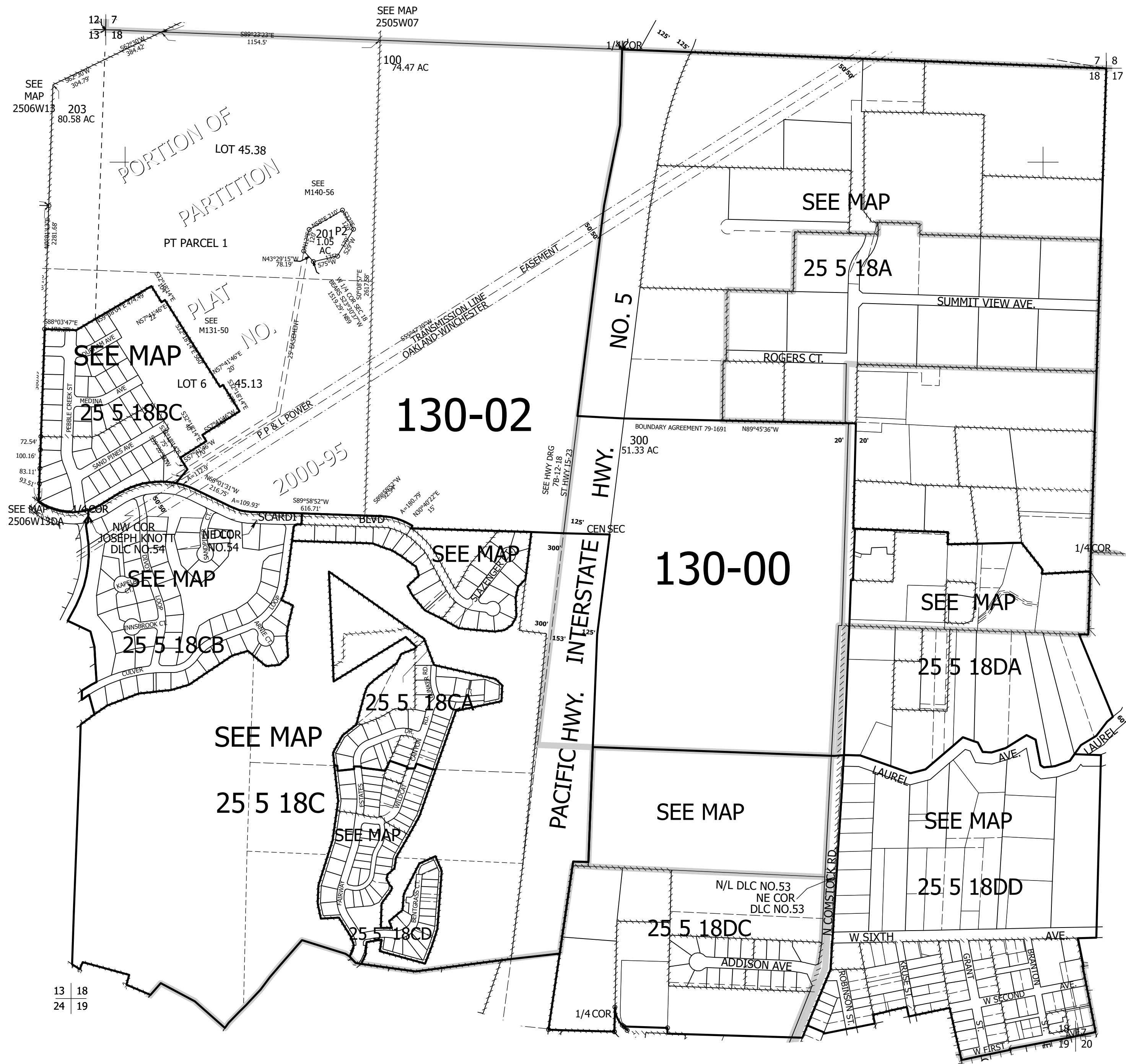
SEC.18 T.25S. R.05W. W.M.  
DOUGLAS COUNTY  
1"=400'

STAFF EXHIBIT 8

Date Exported: 3/21/2023 8:07 AM

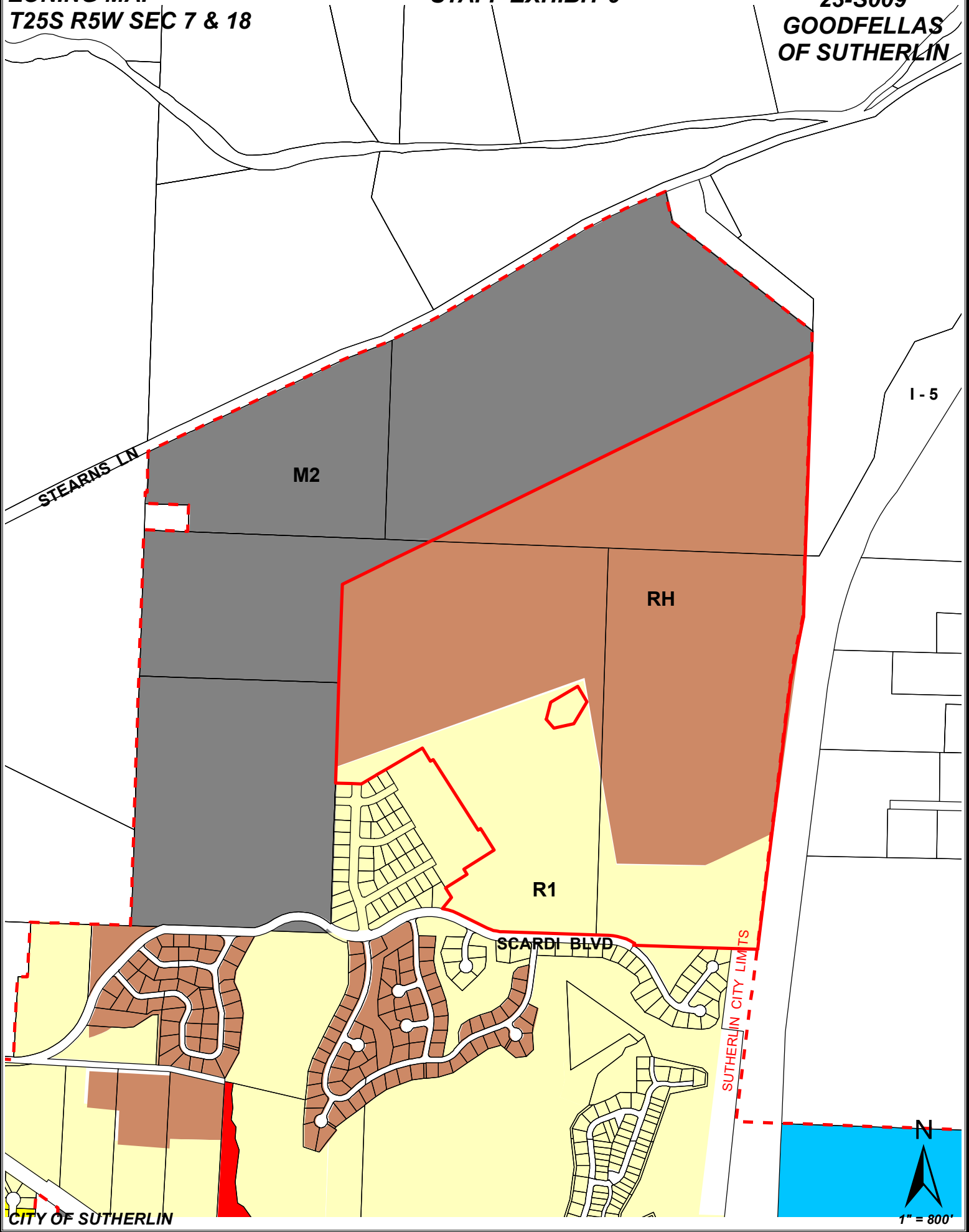
250518 &  
Sutherlin

CANCELLED NOS:  
200M1 202 200  
400 500 600  
601 602 700  
701 800 900



Lower Right:  
123°19'18"W 43°23'11"N  
4171340E 639417N ft

250518 &  
Sutherlin



I - 5

M2

RH

R1

SCARDI BLVD

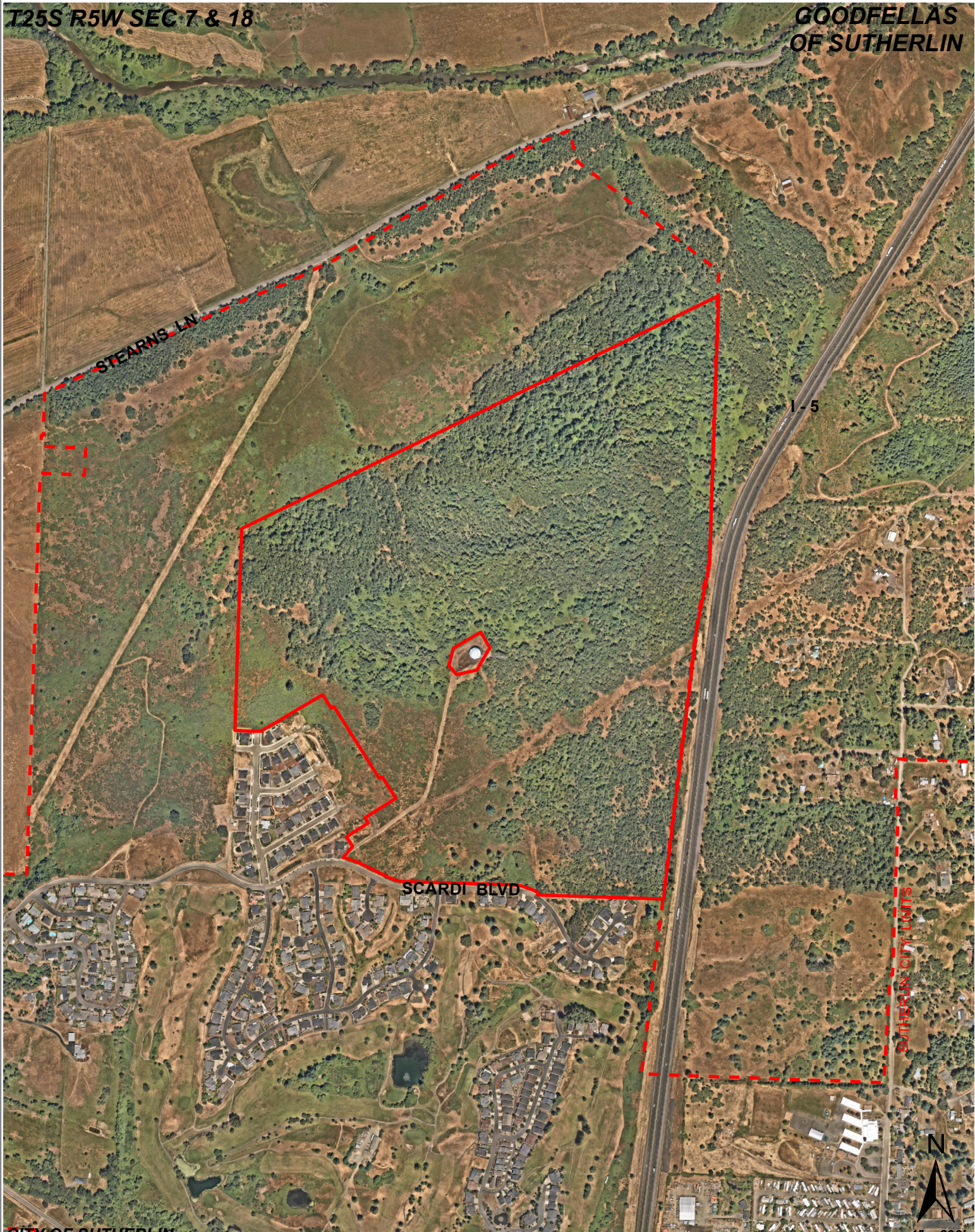
SUTHERLIN CITY LIMITS

CITY OF SUTHERLIN



1" = 800'









126 E. Central Avenue  
Sutherlin, OR 97479  
541-459-2856  
Fax: 541-459-9363  
[www.ci.sutherlin.or.us](http://www.ci.sutherlin.or.us)

## *City of Sutherlin*

Date: October 10, 2023  
To: Planning Commission  
From: Community Development  
Re: Monthly Activity Report

This report is provided in an effort to keep you apprised of recent land use and other relevant activities.

### **COMMUNITY DEVELOPMENT**

#### **Ford's Pond Grant update**

At the May 8, 2023, City Council awarded the bid to JRT Construction, LLC in the amount of \$1,884,038.16. Construction started on June 5th and is expected to be completed in late Fall of 2023.

#### **Recreational Vehicle (RV) Survey and Open House**

Following public outreach and input, the City Council considered an ordinance to prohibit residing in RV's on private property within the city limits, followed by the first reading of the ordinance at the September 11, 2023, City Council meeting. The second reading of the ordinance was held at the October 9, 2023, City Council meeting. The ordinance becomes effective within 30 days.

#### **Seismic Rehabilitation of Fire Station #1 and Police Station**

In December 2022, the City applied for and received Seismic Rehabilitation Grants ("SRG") for the projects through Business Oregon, Infrastructure Finance Authority, based on the applications prepared by ZCS Engineering & Architecture, Inc. The City was awarded \$2,492,700 for the design and construction of Fire Station #1 Seismic Rehabilitation, and \$2,479,180 for the design and construction of the Police Station Seismic Rehabilitation.

Advertisement for Request for Proposals (RFP) to provide Engineering, Architectural, and Construction Management Services for the Seismic Rehabilitation of Fire Station #1 and the Police Station were published September 6-8, 2023. The schedule for the Engineering, Architectural, and Construction Management Services is as follows:

~~RFP Advertised Sept. 6 & Sept. 8, 2023~~  
~~Site Visits Sept. 14, 2023 @ 10:00 a.m.~~  
~~Deadline for Additional Information Sept. 21, 2023 @ 3:00 p.m.~~  
~~Response to Additional Information Sept. 27, 2023~~  
Proposal Package Due Oct. 11, 2023 @ 3:00 p.m.  
Schedule Interview (subject to City's discretion) Oct. 17, 2023  
Interviews (subject to City's discretion) Oct. 19, 2023  
Notice of Intent to Award Oct. 25, 2023  
Contract Negotiation w/ Selected Consultant Oct. 25, 2023  
Protest Deadline Nov. 1, 2023  
Council Consideration of Contract Nov. 13, 2023  
Award of Project Nov. 13, 2023

Start Design Nov. 14, 2023  
Complete Design May 31, 2024  
Present Final Design to Council Jun. 10, 2024  
Bid process July, 2024  
Council Consideration of Contract Aug. 12, 2024  
Award Contract Notice to Proceed Aug. 13, 2024  
Start Construction Aug. 14, 2024  
Complete Construction Aug. 31, 2025  
Present Final Report to Council Sept. 8, 2025

## **TRANSPORTATION**

### **Downtown Parking Lot**

- Design and Construction Estimate
  - Start date: December 12, 2022
  - Completion date: August 31, 2023
  - Bidding TBD 2023/2024
  - Construction is estimated to begin TBD 2023/2024

### **Waite Street Improvements**

Advertisement for Request for Proposals (RFP) to provide Engineering Design Services and Construction Cost Estimate for Waite Street Improvements went out June 21, 2023. Five proposals were received by the July 20, 2023 deadline. The Notice of Intent of Award to contract to Civil Solutions Engineering, LLC was issued July 27, 2023. A Survey Notification Letter notifying property owners of survey field work was mailed to surrounding property owners August 4, 2023.

The schedule is as follows:

Contract Negotiation w/ Selected Consultant	August 1, 2023
Award of Project	August 14, 2023
Start Design	August 15, 2023
Complete Design	November 16, 2023
Present Final Design to Council	December 11, 2023 @ 7:00 p.m. PST

## **UTILITIES**

### **Nonpareil Water Treatment Plant Improvement:**

The Design Contract was awarded on January 27, 2020, to The Dyer Partnership Engineers & Planners, Inc. for Engineering Services and Construction Management. On February 24, 2021 @ 2:00pm bids were opened, Stettler Supply & Construction submitted the lowest bid in the amount of \$4,810,485 and has sufficient experience and qualifications to satisfactorily construct the project. On March 8, 2021, City Council Awarded the Construction Contract to Settler Supply Company in the amount of \$4,810,485. Construction started April 2021 and is expected to be completed in 2023.

A walk through for substantial completion was held on September 8, 2023. Project funding close-out activities will begin once the punch list has been created and completed.

## **LAND USE ACTIVITY**

### **Building Worksheets:**

- 2023-61- 2023-66 on previous Activity Report(s)
- 2023-67 – 367 Sunset St – industrial bldg
- 2023-68 – 535 S Calapooia St – interior remodel
- 2023-69 – 1019 W Central Ave – Change in Use (CIU)
- 2023-70 – 401 N. Comstock, Sp 59 – MH
- 2023-71 – 857 Durham Ave – SFD
- 2023-72 – 785 E Central Ave – awning addition to commercial bldg
- 2023-73 – 674 W First Ave – accessory bldg
- 2023-74 – 868 Fir Grove Ln - SFD
- 2023-75 – 472 Arvilla Ct – awning
- 2023-76 – 246 N State St – interior remodel of commercial bldg

### **Active Land Use Applications:**

- 23-S010 – 23-S012 – on previous Activity Report(s)
- 23-S013 – Fort McKay Subdivision, LLC – Class A Variance
- 23-S014 – Robinson, et/al – Property Line Adjustment
- 23-S015 – Rogers – Land Partition

### **Right of Way Applications:**

- 23-19 – 23-20 – on previous Activity Report(s)
- 23-21 –