

BILL NO. 2009-126

PASSED AS AMENDED

SPONSORED BY COUNCILMAN Penfold

ORDINANCE NO. 14637

AN ORDINANCE OF THE CITY OF JEFFERSON, MISSOURI, ADOPTING A REQUIRED SIDEWALK PLAN AS CALLED FOR IN SECTION 32-103 OF THE CITY CODE.

BE IT ENACTED BY THE COUNCIL OF THE CITY OF JEFFERSON, MISSOURI, AS FOLLOWS:

Section 1. The Code of the City of Jefferson, Chapter , is hereby amended by adding one section to read as follows:

**Sec. 32-104. Required sidewalk plan.**

There is hereby adopted a Required Sidewalk Plan, which shall serve as the Sidewalk Master Plan referred to in this Article, said plan being attached to this Chapter as Appendix 32-A\_\_\_\_\_.


Secs. ~~32-104~~ 32-105 - 32-112. Reserved


Section 2. The Council hereby adopts the attached Exhibit A, Required Sidewalk Plan, as the Sidewalk Master Plan.

Section 3. This Ordinance shall be in full force and effect from and after the date of its passage and approval.

Passed: Feb. 1, 2010

Approved: Feb 4, 2010

  
\_\_\_\_\_  
Presiding Officer

  
\_\_\_\_\_  
Mayor

ATTEST:

APPROVED AS TO FORM:

  
\_\_\_\_\_  
City Clerk







  
\_\_\_\_\_  
City Counselor



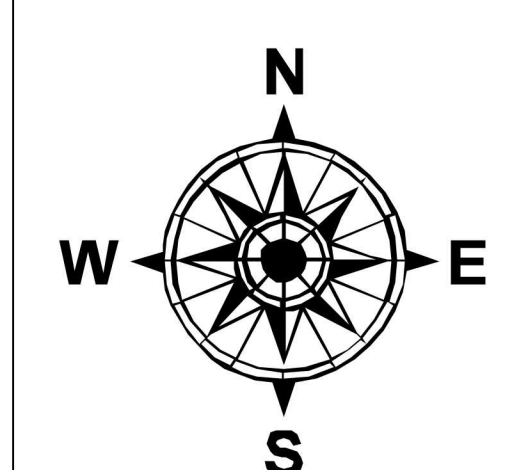
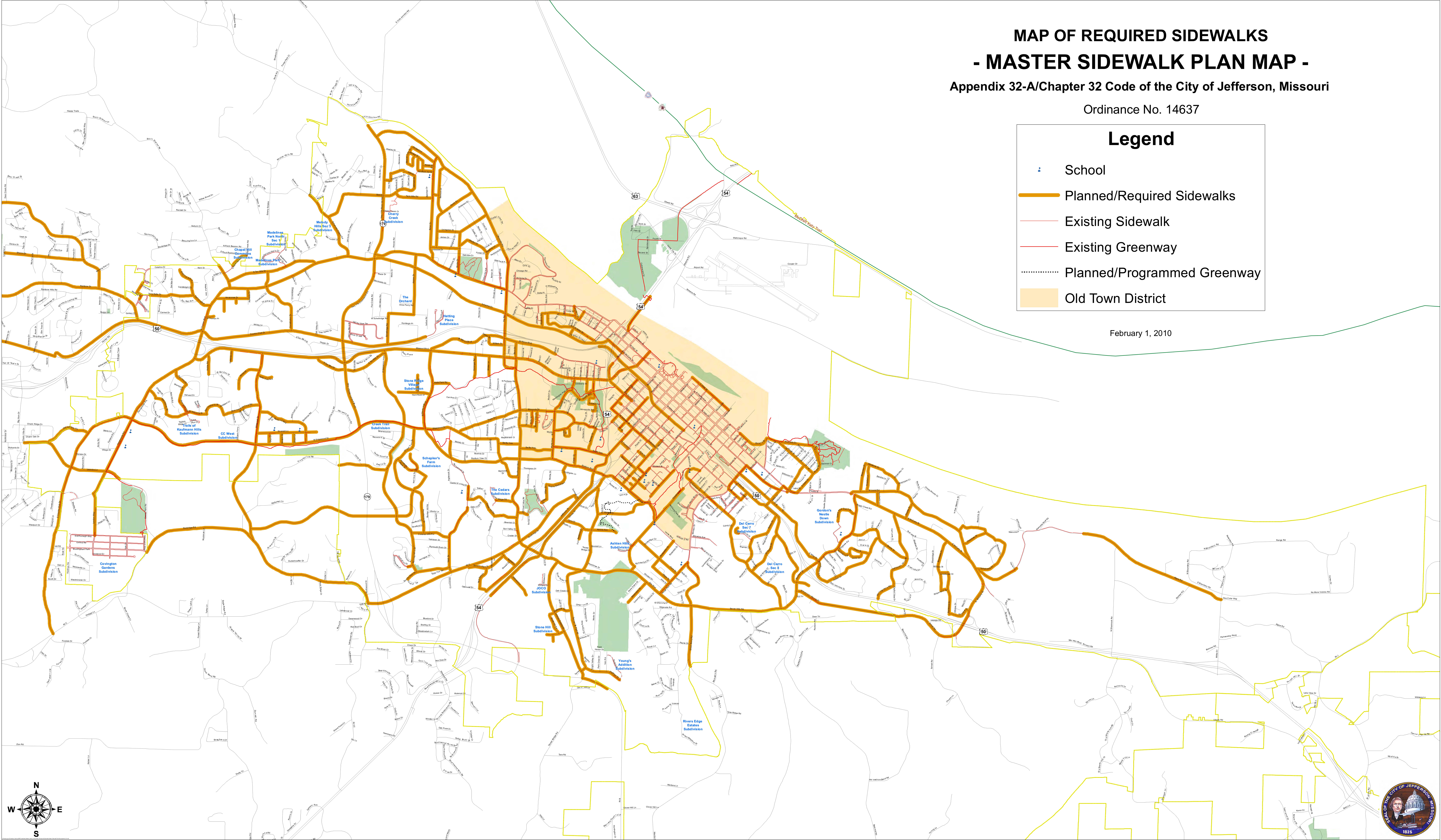
**MAP OF REQUIRED SIDEWALKS**  
**- MASTER SIDEWALK PLAN MAP -**  
Appendix 32-A/Chapter 32 Code of the City of Jefferson, Missouri

Ordinance No. 14637

**Legend**

-  School
-  Planned/Required Sidewalks
-  Existing Sidewalk
-  Existing Greenway
-  Planned/Programmed Greenway
-  Old Town District

February 1, 2010







*A Sidewalk Plan  
for  
Jefferson City, Missouri*



## **I. Introduction**

### **Background and Purpose**

The pedestrian component is an important element of an integrated, intermodal transportation system, however, the pedestrian was often excluded from general transportation planning. There is a renewed interest in planning for “active” transportation that takes into consideration the needs of the pedestrian, and included in the policies and practices of local governments.

Locally, sidewalks and greenways have become an increasingly expected component in Jefferson City’s transportation system, and while a Greenway Plan exists, there has been no specific plan for sidewalks up to this point. The purpose of this document is to:

- Inventory existing and planned sidewalks;
- Consider past practices and experiences;
- Present best practice approaches to nonmotorized or “active” transportation;
- Identify priority areas for pedestrian linkages to improve connectivity and pedestrian mobility;
- Develop a plan to guide public and private investments in sidewalks;
- Improve public and developer acceptance of sidewalk policy and regulations;
- Identify future planning needs and potential funding opportunities.

### **Sidewalk History and Current Code Requirements**

Jefferson City was incorporated as a City in 1825, and began adopting laws pertaining to sidewalks soon after. By 1900, concerns regarding sidewalks and their maintenance were well represented in the City’s codes, as numerous ordinances were adopted pertaining to sidewalk offenses and maintenance. Into the 1950s, the City embarked on massive public sidewalk construction programs, primarily within the area now defined as “Old Town.”

Automobile travel was the focus in the 1970s, and by the 1980s, sidewalks were being excluded from new subdivisions, presumably because the motoring public no longer demanded them and they added to project cost. During the mid 1980s the street standards were under discussion as well, with proposals to reduce the widths of certain classifications of streets in exchange for a sidewalk construction requirement. According to staff anecdote, developers and the real estate community initially supported this concept but later withdrew support, objecting to the additional expense that sidewalks would add to developments.



In the early 1990s, sidewalks were included on the initial design plans on city projects such as construction of West Truman Boulevard and Seven Hills Road, but were later removed at the City Council's discretion because of project costs. Sidewalks again became a discussion topic during the late 1990s when committees were meeting to rewrite the City's zoning ordinance. A requirement to construct sidewalks in new subdivisions was reinstated in 1999. Since 1999 there were numerous amendments to the sidewalk provisions, including the 2006 requirement to construct sidewalks with almost all new developments. The ordinance history is presented in Appendix A.

## II. Demographics

### Age Groups

Demographics play a role in transportation planning, and therefore, in sidewalk planning. Children and elderly persons are more likely to walk for trip purposes. Older adults tend to be over-represented in traffic accidents involving pedestrians. Nationally, elderly persons comprise almost one quarter of pedestrian fatalities while comprising only 12 percent of the population.

According to the 1995 National Personal Transportation survey, adults age 65 and older walk for 9% of their trips. This survey showed that the average length of a walking trip approximately one-third of a mile.

**Age.** In Jefferson City, the median age of the population has increased since 1980, a trend that is projected to increase.

<b>Exhibit 2.1</b>			
<b>Selected Demographics, Jefferson City 1980-2000</b>			
<b>Percent of All Persons</b>	<b>1980</b>	<b>1990</b>	<b>2000</b>
<b>Age 65+</b>	13.1%	15.6%	14.0%
<b>Age 18-64</b>	63.8%	62.9%	65.1%
<b>Age &lt;18</b>	23.1%	21.5%	20.9%
<b>Median Age (in years)</b>	31.4	35.1	36.5

County level population projections prepared by the State Demographer in the Missouri Office of Administration indicate that the age groups most dependent upon walking for transportation (those under the age of 19 and over the age of 65) will increase by 45% between 2010 and 2020.

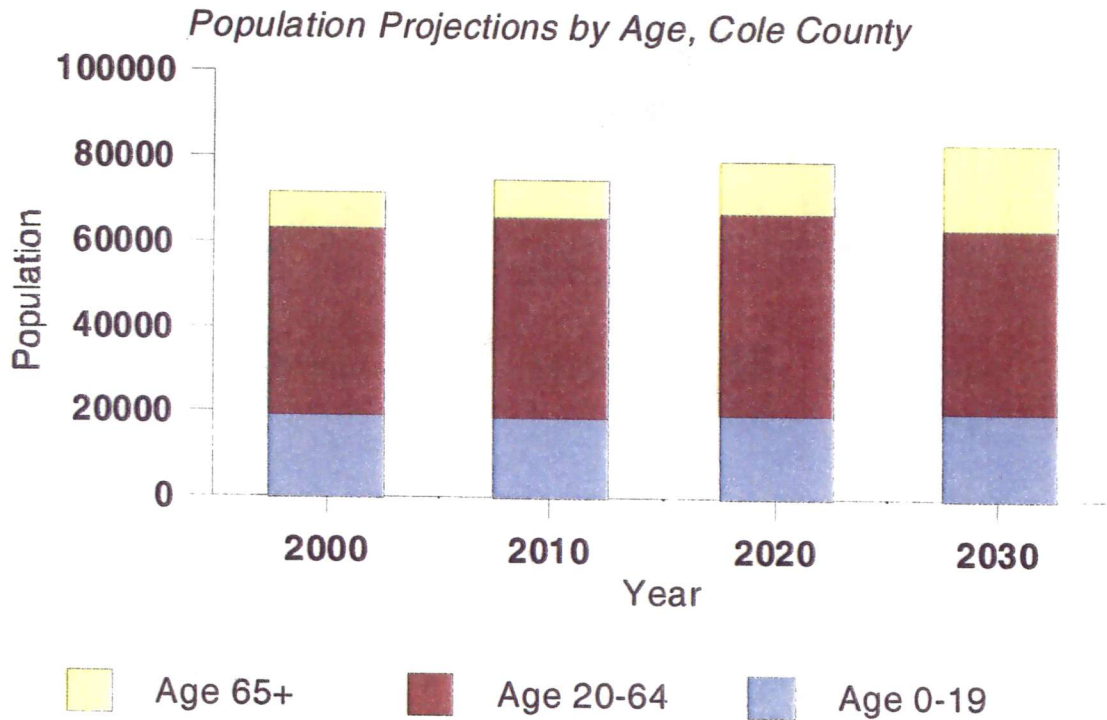
Nearly all of the increase is projected to occur as a result of an increase in the population age 65 years and older. This age group is projected to increase by 65% between 2020 and 2030, and will constitute nearly one-fourth of the County's population by 2030. While no projections are available specifically for Jefferson



City, these projections provide an indication what the future may hold. If the past is any indication of the future, the population of Jefferson City will be slightly older than Cole County as a whole.

Exhibit 2.2 shows the population projections by age for Cole County for the period 2000-2030. The complete population projections for the period 2000-2030 are presented in Appendix B.

**Exhibit 2.2**  
**Population Projections by Age for Cole County, 2000-2030**

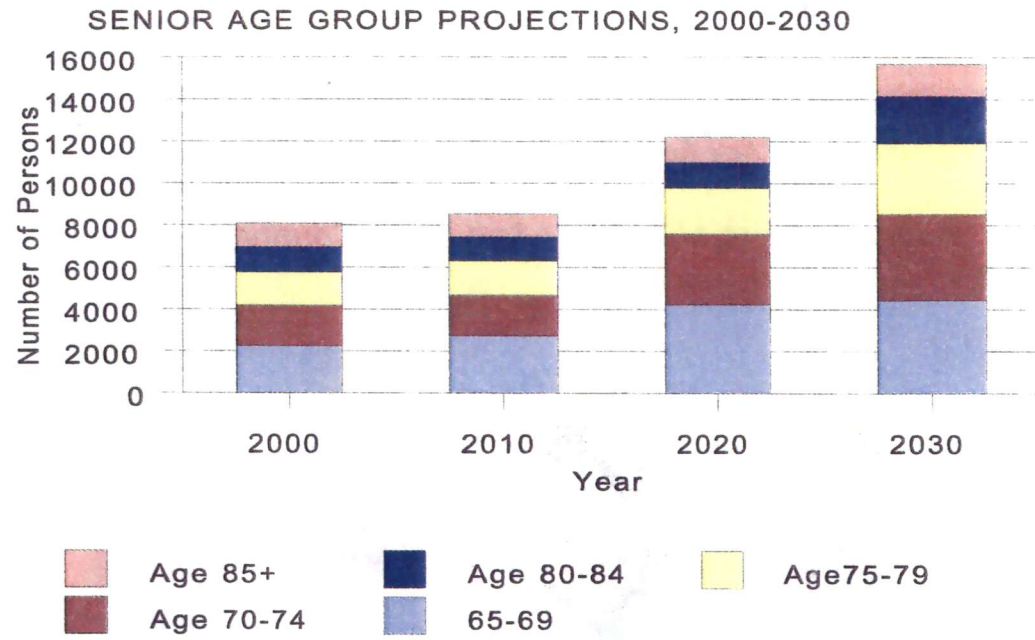


Over the next 20 years, the population between the ages of 20-64 is projected to decrease slightly, the segment under the age of 19 will increase slightly, and the senior population is projected to increase dramatically.

Currently, persons in the senior age group comprise about 11 percent of the total population. Over the next 20 years, this segment of the population is projected to increase by 84%. Those age 80 and older are projected to increase by 68% over the next 20 years. By 2030, seniors will grow to comprise over 25% of the population in Cole County.



**Exhibit 2.3**  
**Senior Age Group Projections for Cole County, 2000-2030**



**Disability.** The Census Bureau estimates there are 51.2 million persons with disabilities in the U.S., representing 18% of the population. The number of persons with a severe disability is 32.5 million or 12% of the population. (Census Bureau, July 2006). Studies show that 85% of Americans living to their full life expectancy will suffer some type of permanent disability.

Table 2.3 presents disability statistics for the Jefferson City metropolitan area for 1990 and 2000. The Census reported the percentage of Missourians with a disability in 2000 was 17.2%. In the Jefferson City area, nearly 16% of the civilian non-institutionalized population between the ages of 16 and 64 years of age reported a disability in 2000; the majority of these individuals were employed (63%). Of those persons age 65 and above, 53% reported having a disability.

Lack of sidewalks and uneven pavement on existing sidewalks can make it difficult, or impossible, for a person to navigate in a wheelchair or with walking aid.





Myrtle Avenue

Uneven pavement

<b>Exhibit 2.4 Persons with Disabilities**</b>	2000		1990		Change
	No.	Pct.	No.	Pct.	Pct
<i>Universe: Age 65 and above**</i>	7,028		6,151		14%
<i>--Persons Age 65+ with a disability</i>	3,732	53.1%	2,427	39.5%	53.7%
<i>Universe: Persons 16-64 Years**</i>	40,537		34,578		17.2%
<i>--Persons 16-64 with a Work Disability</i>	6,456	15.9%	2,498	7.2%	71.9%
<i>--Employed Persons with a Work Disability</i>	4,093	10.1%	786	2.3	420.7%

Source: Missouri State Data Center; MoDOT Demographic Profiles, Capital Area MPO  
 \*\*Percent of civilian non-institutionalized persons

### Vehicle Ownership

The vehicle ownership statistics of Jefferson City show that approximately 10 percent of all households have no vehicle available. This segment of the population relies heavily on walking, public transportation, private taxi and friends to move about the community.

	<b>Jefferson City</b>		<b>Missouri</b>
	Number	Percent	Percent
<b>Households with no vehicles</b>	1,533	9.7 %	8.3%
<b>Walk/bike to Work</b>	2.3		2.3
<b>Use transit or taxi</b>	1.7		1.5
<b>Drive alone to work</b>	80.4		80.5
<b>Carpool</b>	13.0		11.6



Sidewalks also support the use of public transportation. Without sidewalks on bus routes, individuals who choose, or depend upon, public transportation are forced to walk in the street alongside the traffic, on uneven shoulders or across yards to get to bus stops, a difficulty that is compounded for persons with mobility challenges, those pushing children in strollers, and for anyone in inclement weather. Persons with mobility challenges find it especially difficult to independently travel if no pedestrian facilities are available.

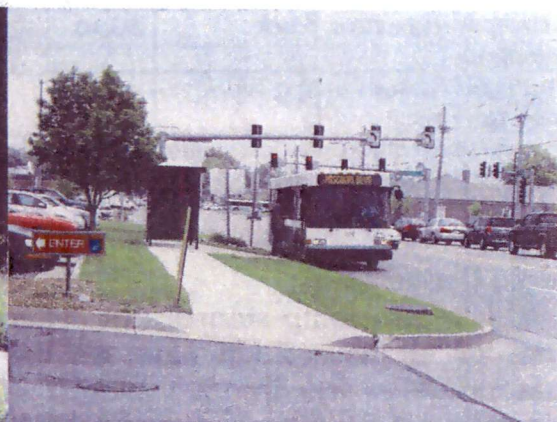
According to the American Automobile Association (AAA) the estimated cost of driving a single-occupant vehicle is between \$4,826 for a small car and \$9,685 for a large car, depending upon mileage.

By contrast, the annual average cost for public transportation for one adult ranges from \$200 to \$2000 depending upon the type of service.

The cost of walking to a destination is even more economical.



*Strolling along Missouri Blvd.*



*Bus stop on Missouri Blvd at Beck St*



### III. SAFETY

Each year in the U.S., 5,000 pedestrians are killed and 61,000 injured while crossing or walking along a street in their communities. An average of 700 bicyclists are killed each year, with another 41,000 injured in bicycle-vehicle accidents in the U.S.

In Jefferson City, there were 63 accidents involving pedestrians and bicycles with motor vehicles between 2003 and 2008. Thirteen (20.6%) were classified as disabling accidents. Statistics published for the Jefferson City metropolitan area for 2007-2008 show there were two pedestrian fatalities, representing 4.4% of total traffic deaths. This contrasts with the statewide statistic of 7.3% and the U.S. average of 11.8% (Statistics from *Dangerous by Design* by Transportation for America, 2009). The location and type of local accidents is presented on Exhibit 3.1

Nationwide, older adults are disproportionately represented in pedestrian-vehicle accident statistics. In the U.S. adults age 65 and older comprised 12.5% of the population in 2007 but suffered 19% of all pedestrian fatalities.



Crossing mid-block, Missouri Blvd.



School zone, Dix Road



**City of Jefferson**  
 Number of  
 Pedestrian & Bicycle  
 Motor Vehicle Accidents  
 2003 - 2008

Street	Number of Accidents
Hwy 179	1
Missouri Blvd.	6
US 50	5
US 54	1
Adams St.	1
Allen Dr.	1
Broadway St.	1
Buena Vista St.	1
Rt C	1
Capitol Ave.	4
Cari Ann Dr.	1
Clark Ave.	1
E. Dunklin St.	9
E. Elm St.	1
E. High St.	4
Idlewood	1
Jefferson St.	4
Madison St.	1
Main St.	3
E. McCarty	6
Miller St.	2
Oakview Dr.	1
S. Country Club	1
Southridge Dr.	2
Southwest Blvd.	1
Stadium Blvd.	2
Willow Dr.	1

**Legend**

**Accident Severity**

- DISABLING INJURY
- ▲ MINOR INJURY
- PROPERTY DAMAGE ONLY

Accident Data Source: MoDOT

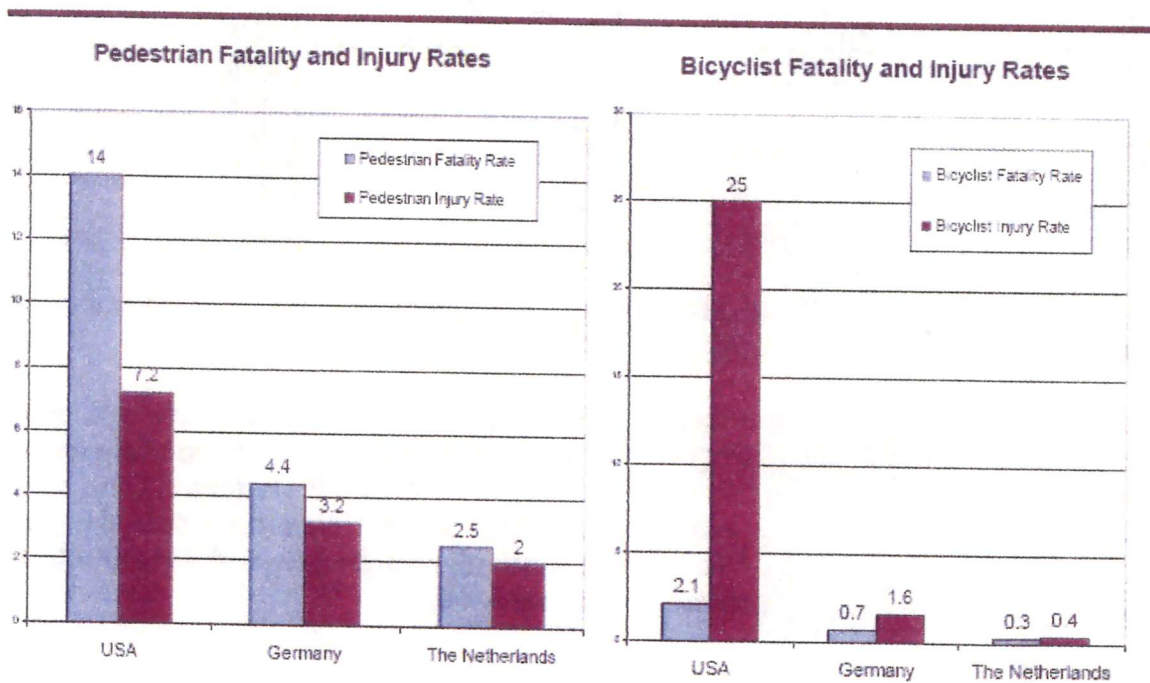


The European example is often cited when discussing bicycling and walking. Bicycling and walking typically account for one-fourth to one-half of all personal trips in European cities. This stands in sharp contrast to the United States, where the share of personal trips made by non-motorized means has fallen to between 5-10 percent.

The concern that an increase in pedestrian and bicycle traffic may increase injury and fatality rates within these modes is refuted by actual statistics. Statistics show that higher levels of pedestrian and bicycle use will decrease the accident rate for these modes.

Since the European example is often cited, Exhibit 3.1 presents the number of vehicle accidents involving pedestrian and bicycles per 100 accidents for the U.S., Germany, and The Netherlands. These comparative statistics show that injury and fatality rates are much lower in the European examples. The U.S. pedestrian accident rate is more than three times that of Germany and five times that of The Netherlands.

**Exhibit 3.2 Pedestrian and Bicycle Injury and Fatality Rates, U.S. Compared with Germany and The Netherlands**



Source: Pucher and Dykstra, "Promoting Safe Walking and Cycling to Improve Public Health: Lessons from the Netherlands and Germany," *American Journal of Public Health*, September 2003, Vol. 93, No. 9. Presented in "Complete Streets for Older Adults," AARP Public Policy Institute.



## IV. Pedestrian System: Existing Conditions

### Pedestrian Inventory

The sidewalk and greenway network has been recently and included in the City's Geographic Information System. The pedestrian system has been digitized over the past three years to include an inventory of sidewalks, greenways and internal park trails, represented on **Exhibits 4.1 and 4.2.**

Ward 2 is the most "pedestrian friendly" of the City's five wards, in that approximately 42% of the City's sidewalks are located in this ward, and likewise, possesses the highest percentage of streets with adjacent sidewalks. Wards 1, and 5 each possess approximately the same sidewalk mileage (15 miles). Ward 4 contains just under 13 miles of sidewalks and also includes 63% of the greenway mileage (5 miles). Ward 3 contains 9 miles of sidewalks, or 10% of the total amount of sidewalks in Jefferson City. Exhibit 4.1 presents existing sidewalks and greenways in miles, by ward. The information is presented graphically on Exhibit 4.2.

Ward	Greenways	Sidewalks*	Total
Ward 1	2.1	15.2	17.3
Ward 2	1.8	38.5	40.4
Ward 3	1.1	9.0	10.1
Ward 4	5.5	12.9	18.4
Ward 5	0.4	14.7	15.1
Total	8.7	90.3	101.3

*\* Represents total sidewalk lengths. Some sidewalks are present on two sides of some streets.*

A condition assessment is also being conducted by the Department of Community Development/Public Works Section.

When one considers the number of lane miles of streets that have adjacent sidewalks, the effect of the many years in which sidewalks were not constructed is realized. Compared with the 251 centerline miles of streets in Jefferson City, only about 70 centerline miles, or less than one-third of all streets, have sidewalks or greenways adjacent to them. When greenways are removed from the calculation, only 25% of the City's streets have adjacent sidewalks.

Most public and parochial schools have a partial sidewalk network serving them. The inventory reveals gaps in sidewalks serving individual schools, as well as significant gaps in the overall system that would link schools, parks and activity centers to transit routes and neighborhoods.

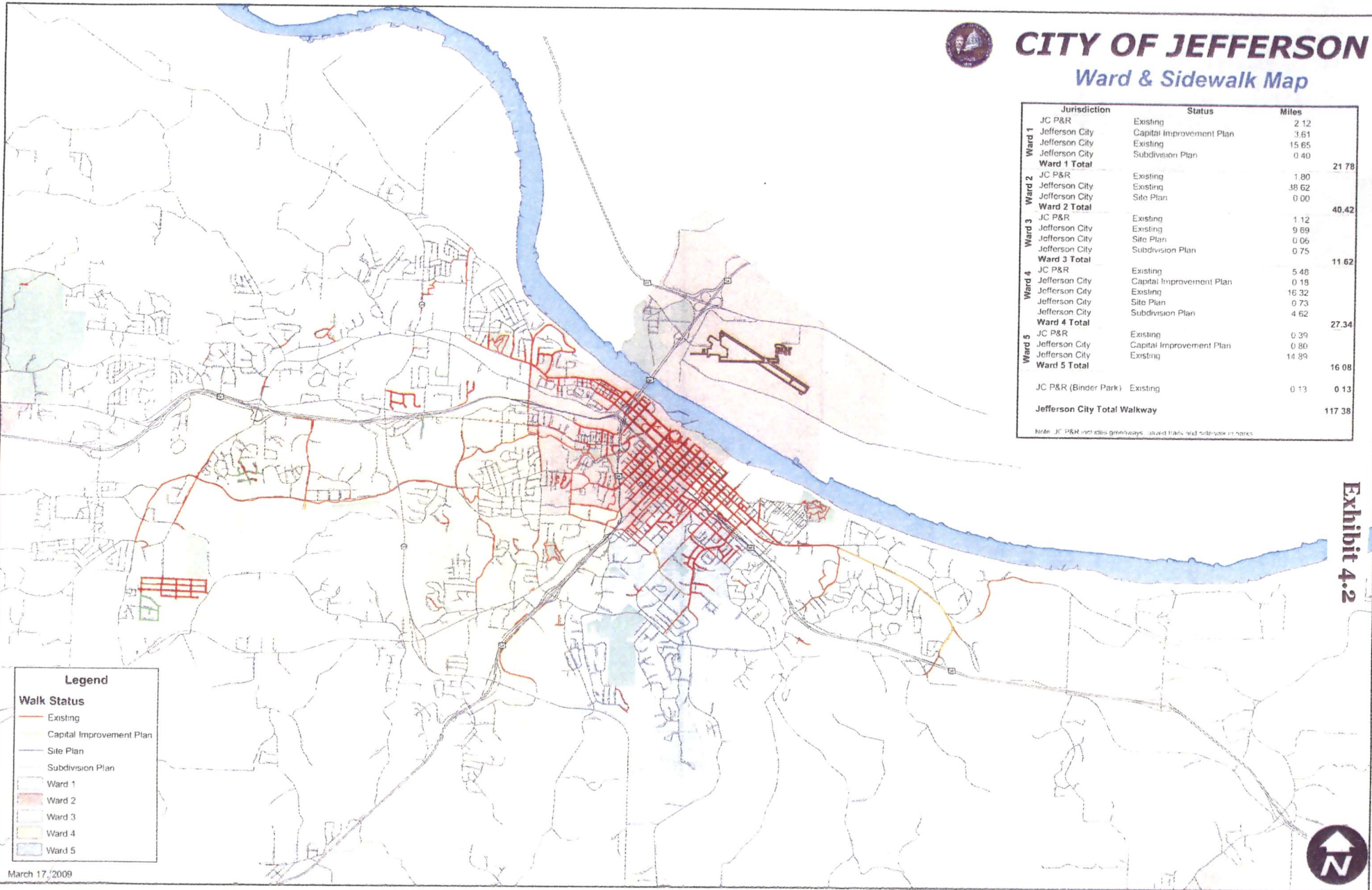




# CITY OF JEFFERSON

## Ward & Sidewalk Map

Jefferson City Sidewalk Plan



	Jurisdiction	Status	Miles	
Ward 1	JC P&R	Existing	2.12	
	Jefferson City	Capital Improvement Plan	3.61	
	Jefferson City	Existing	15.65	
	Jefferson City	Subdivision Plan	0.40	
	<b>Ward 1 Total</b>			<b>21.78</b>
Ward 2	JC P&R	Existing	1.80	
	Jefferson City	Existing	38.62	
	Jefferson City	Site Plan	0.00	
	<b>Ward 2 Total</b>			<b>40.42</b>
Ward 3	JC P&R	Existing	1.12	
	Jefferson City	Existing	9.69	
	Jefferson City	Site Plan	0.06	
	Jefferson City	Subdivision Plan	0.75	
	<b>Ward 3 Total</b>			<b>11.62</b>
Ward 4	JC P&R	Existing	5.48	
	Jefferson City	Capital Improvement Plan	0.18	
	Jefferson City	Existing	16.32	
	Jefferson City	Site Plan	0.73	
	Jefferson City	Subdivision Plan	4.62	
	<b>Ward 4 Total</b>			<b>27.34</b>
Ward 5	JC P&R	Existing	0.39	
	Jefferson City	Capital Improvement Plan	0.80	
	Jefferson City	Existing	14.89	
	<b>Ward 5 Total</b>			<b>16.08</b>
	JC P&R (Binder Park)	Existing	0.13	0.13
	<b>Jefferson City Total Walkway</b>			<b>117.38</b>

Note: JC P&R includes greenways, paved trails and soft-surface paths.

Legend	
Red line	Existing
Yellow line	Capital Improvement Plan
Blue line	Site Plan
Green line	Subdivision Plan
Pink box	Ward 1
Light blue box	Ward 2
Light green box	Ward 3
Light orange box	Ward 4
Light purple box	Ward 5

March 17, 2009

Exhibit 4.2





**Exhibit 4.3  
Pedestrian Facilities by Ward**

	<b>Jurisdiction</b>	<b>Status</b>	<b>Miles</b>	
<b>Ward 1</b>	JC P&R	Existing	2.12	
	Jefferson City	Capital Improvement Plan	3.61	
	Jefferson City	Existing	15.65	
	Jefferson City	Subdivision Plan	0.40	
	<b>Ward 1 Total</b>			<b>21.78</b>
<b>Ward 2</b>	JC P&R	Existing	1.80	
	Jefferson City	Existing	38.62	
	Jefferson City	Site Plan	0.00	
	<b>Ward 2 Total</b>			<b>40.42</b>
<b>Ward 3</b>	JC P&R	Existing	1.12	
	Jefferson City	Existing	9.69	
	Jefferson City	Site Plan	0.06	
	Jefferson City	Subdivision Plan	0.75	
	<b>Ward 3 Total</b>			<b>11.62</b>
<b>Ward 4</b>	JC P&R	Existing	5.48	
	Jefferson City	Capital Improvement Plan	0.18	
	Jefferson City	Existing	16.32	
	Jefferson City	Site Plan	0.73	
	Jefferson City	Subdivision Plan	4.62	
	<b>Ward 4 Total</b>			<b>27.34</b>
<b>Ward 5</b>	JC P&R	Existing	0.39	
	Jefferson City	Capital Improvement Plan	0.80	
	Jefferson City	Existing	14.89	
	<b>Ward 5 Total</b>			<b>16.08</b>
	JC P&R (Binder Park)	Existing	0.13	<b>0.13</b>
	<b>Jefferson City Total Walkway</b>			<b>117.38</b>

Note: JC P&R includes greenways, paved trails and sidewalk in parks.



## Section VI. Prior Plans and Local Voices

There were two prior (and notable) efforts to develop specific plans to guide investment decisions on sidewalk construction. In 1993, the City's Public Works Department commissioned *School Area Studies*, prepared by Johnson, Brickell, Mulcahy and Associates, Inc., Consulting Engineers. This study examined 11 school elementary schools (seven public and four private schools) in Jefferson City. This plan recommended walking routes and traffic control improvements within one-half mile of the studied schools. Some recommended investments were made, however the plan was not fully implemented.

### **Pedestrian-Bicycle Task Force**

In 2002, a Pedestrian-Bicycle Task Force, a subcommittee assembled under the auspices of the Environmental Quality Commission, was tasked with proposing actions and policies regarding pedestrian and bicycle safety improvements. The Task Force had been assembled a few years following the City's restoration of a sidewalk construction requirement in new subdivisions, which the Task Force found:

*"...laudable and a great improvement, this has the shortcoming of not addressing current areas that don't have sidewalks and not providing for a pedestrian and bicycle transportation system that can get you from one place to another. What we have is disconnected. In addition, the greenway system, which is being developed, often can't be reached by many of our citizens without first getting into a car."*

The Task Force cited safety, community and economic development, and community health as important goals for the City and important reasons for improving the environment for pedestrians and bicyclists. The Task Force identified areas where sidewalks were needed and provided suggestions regarding priorities. The Task Force recommended:

- implementation of the 1993 *School Area Studies* plan;
- update of the *School Area Studies* plan to include additional routes;
- construction of selected priority sidewalks by the City;
- continued development of the Greenway system;
- designation of bicycle routes on selected streets;
- a sidewalk maintenance program;
- policies to encourage (i) consideration of pedestrians in new developments, (ii) a system of interconnected streets and (iii) street designs that encourage pedestrian access; and
- education of motorists, pedestrians and bicyclists regarding their respective responsibilities.



Specific priority sidewalk routes were identified by the Task Force, and include segments on the following streets:

- Myrtle Avenue
- Belair Drive
- Boonville Road
- Swifts Highway
- Twin Hills Road
- West Edgewood Drive
- Ellis Boulevard
- Stadium Boulevard
- Truman Boulevard
- West Main Street
- East McCarty Street
- Tanner Bridge Road
- Riverside Drive
- Grant Street
- Leslie Boulevard

Public input was a significant element in the development of the *2006 Greenways Plan* for the Department of Parks and Recreation, and the *2030 Metropolitan Transportation Plan* for the Capital Area MPO, completed in 2008. Focus groups convened as part of the planning processes suggested the following areas needed “immediate” attention:

- Sidewalks in business areas
- Sidewalks in areas with heavy traffic
- Sidewalks near schools
- Sidewalks to bus stops
- Connecting sidewalks with greenways
- Connecting gaps between sidewalk segments
- Providing for pedestrians when no curb/gutter exists
- Including sidewalks with new construction
- Allocating more funding for sidewalks and bicycles
- Development of a pedestrian/bicycle plan
- Continued implementation of the Greenway Plan
- Education of motorists for pedestrian and bicycle safety



### **Input from the Development Community**

The development community has been consulted regarding development processes and requirements in Jefferson City, and has participated in the debate regarding sidewalks. Several in the development community had questioned the prior requirement to “build sidewalks everywhere,” in part due to new non-residential developments occurring in areas in which there were no sidewalks to connect, such as near the City’s periphery, and where few pedestrians were expected. Compounding the issue were residential “in-fill” developments in which, if sidewalks were constructed, would be “sidewalks to nowhere” even though residential densities may have been high.

Such issues have been so numerous as to merit a new approach to the requirement to “build sidewalks everywhere.” The examples cited by developers provided specific circumstances where the requirement for sidewalks should be reconsidered:

- Streets lacking curb and gutter;
- Industrial areas;
- Areas where terrain or natural elements present obstacles;
- Large campus-type developments, or sites with multiple frontages;
- Residential developments with very low density;
- Areas with a few in-fill lots and no existing sidewalks;
- High speed local streets, state and federal designated highways;
- Equity regarding who pays for the construction of sidewalks.



*Industrial Area*



*High speed roadway*



## **V. Best Practices**

Many cities are in similar situations as Jefferson City, that is, many exhibit similar sidewalk development patterns in which there were periods in early city development in which sidewalks and other pedestrian ways were always provided, followed by periods in which sidewalks were likely to be excluded from subdivisions as they spiraled out from the city center to the periphery, and automobile use became more prevalent. Recently, interest has been renewed across the U.S. in development of specific pedestrian and bicycle plans, as well as adoption of programs for construction of bicycle and pedestrian facilities.

### **AASHTO and FHWA**

The American Association of State Highway and Transportation Officials (AASHTO) and the Federal Highway Administration (FHWA) recommend that right of way be preserved for and that sidewalks be constructed on both sides of urban arterial, collector and most local roadways, in general, but also leave room for consideration of exceptions that could be considered for short sections of local streets and for lightly developed areas. Consideration should be given to whether there would be unwanted pedestrian-motorist conflicts in situations where sidewalks were not constructed.

The Federal Highway Administration further suggests the following “best practices” to guide decisions on filling gaps in sidewalk networks along collectors and arterials and prioritizing sidewalk location decisions. FHWA recommends sidewalks in the following locations:

- Within ¼ mile of schools
- Transit stops
- Parks and sports facilities
- Recreational corridors
- Shopping districts and commercial areas
- Senior housing, retirement homes, and high density residential areas
- Medical complexes and hospitals
- Public buildings

### **The New Best Practice: Complete Streets**

There is growing interest across the U.S. in “complete streets.” In fact, some discussion regarding the next federal transportation bill has indicated there may be additional federal funds available to communities that have adopted pedestrian-, bicycle- and transit-friendly policies. This would follow the Design Guidance Policy Statement of the Federal Highway Administration that encourages the inclusion of facilities for bicyclists and pedestrians in all transportation projects unless exceptional circumstances exist.



The National Complete Streets Coalition advocates “complete streets” that are designed and operated to enable safe, attractive and comfortable access and travel for all users. Pedestrians, bicyclists, motorists and public transportation users of all ages and abilities are able to safely and comfortably move along and across a complete street. Integrating sidewalks, bike lanes, transit amenities, and safe crossings into the initial design of a project spares the expense of retrofits later.

Complete streets policies direct transportation planners and engineers to consistently design with all users in mind. These policies have been adopted by a few states, MPOs, and cities (see Appendix C).

There is no prescription for what constitutes a “complete street,” but the following features may be present:

- Sidewalks
- Bicycle lanes
- Wide shoulders
- Well designed and well placed crosswalks
- Crossing islands and medians in appropriate midblock locations
- Bus pullouts or special bus lanes
- Raised crosswalks
- Audible pedestrian signals
- Sidewalk bulb-outs
- Street trees and planting strips to lower speeds and define edges of travel ways
- Center medians with trees and ground cover
- Reduction in numbers of driveways
- On street parking and other visual speed reduction methods, when properly designed to accommodate bicycles

This approach to sidewalks includes consideration for the transportation value that sidewalks provide, requires connectivity to existing sidewalks, and a commitment by the community at large to participate in the construction of sidewalks where there are people to use them, in addition to the supporting the following broad community goals:

- Improving mobility and supporting healthy lifestyles
- Quality of life
- Offering alternatives to driving
- Facilitating use of public transit
- Pedestrian safety, including providing safe walking routes to schools



## SECTION VI. GOALS, OBJECTIVES, AND POLICIES

Numerous individuals and groups support a return to a more pedestrian-friendly community, but similar to the developer community, do not necessarily support a universal requirement for sidewalks, or policies that result in “sidewalks to nowhere.” Policies to include consideration of pedestrians and construct sidewalks as part of new construction has been an important component of the City’s development over the past 10 years, and is an important component to retain.

Contributions to the pedestrian network made by the development community alone, however, will not produce the pedestrian network that is desired by the public, given the measured pace of development. Consideration must also be given to the legacy created by more than 30 years of disregard for the pedestrian, as reflected in past practices and policies.

The City has constructed several significant sidewalk segments over the past five years as part of capital improvement programs, however, the investment has been modest, compared to the need. The situation is that a continuous pedestrian facility, whether sidewalk or greenway, still does not exist along many of the City’s school routes, busiest streets and bus routes.

Nationally, there is growing sentiment among citizens, elected officials, and transportation planners to improve the walking environment as a (1) viable form of transportation, (2) way to support health and fitness, and (3) provide for expanded recreational opportunities. Locally, residents are concerned about “quality of life” and often point to the City’s greenways as contributing to an improved quality of life in Jefferson City. Efforts to improve pedestrian connections to transit, schools, commerce, community facilities, and other activity centers, inclusion of pedestrian facilities in public projects, and consideration of the pedestrian in the City’s development standards are a few areas that have an affect on quality of life. A commitment to enhancing the quality of life by promoting a more “walkable” community means that policies and procedures must be revised to make them more supportive of pedestrian transportation.

**Vision Statement:** *The City of Jefferson is committed to providing a safe, comfortable, efficient and connected pedestrian network that will enhance the quality of life for residents, and improve the experience of place for visitors. Pedestrian and non-motorized facilities including sidewalks are integral components of a complete transportation system. The City Council supports construction and maintenance of non-motorized facilities because they:*

- *Provide connectivity between destinations and modes of transportation;*
- *Improve and increase personal mobility;*
- *Promote the use of transportation alternatives, including public transportation;*
- *Contribute to healthy lifestyles and a higher quality of life; and*
- *Contribute to the safety of the traveling public.*



**Goal 1.** Develop a Master Sidewalk Plan to guide private and public investments in sidewalks.

**Policy a.** Identify important pedestrian routes for new sidewalks on major streets, along streets that contribute to a network, or are in areas with sufficient pedestrians to use them.

**Strategy (i)** Connect neighborhoods with schools, commerce, community facilities and transit.

**Strategy (ii)** Recognize existing pedestrian districts such as the central business district and Old Town.

**Strategy (iii)** Connect gaps in the network

**Policy b.** Sidewalks should be accessible and contribute to pedestrian safety

**Strategy (i)** Include pedestrian crossings on arterial streets where cross streets are lacking.

**Strategy (ii)** Include accessibility enhancements when possible.

**Goal 2.** Promote and encourage personal mobility by providing a pleasant, safe and efficient walking experience.

**Policy a.** Adopt a Complete Streets policy.

**Strategy (i)** Include pedestrian facilities in all street improvement projects, whether funded through local funds or federal/state.

**Strategy (ii)** Encourage Missouri Department of Transportation to include pedestrian facilities with state projects.

**Policy b.** Adopt a maintenance plan to achieve stable and relatively smooth sidewalk surfaces.

**Strategy (i)** Inventory conditions of existing sidewalks

**Strategy (ii)** Implement an annual program for repairs and replacement.

**Goal 3.** Strive for responsible stewardship of existing and planned pedestrian facilities.

**Policy a.** Leverage available funding sources, both public and private, to construct and improve the pedestrian system.

**Strategy (i)** Utilize cost-share programs with property owners to help fill gaps and contribute to the construction and repair of sidewalks as designated on the Sidewalk Master Plan and in Capital Improvement Projects.

**Strategy (ii)** Identify federal and state funding opportunities, such as Safe Routes to School, Transportation Enhancements, Surface Transportation Funds, etc. with which City funds may be combined in order to accomplish projects.

**Strategy (iii)** Construct sidewalks on one side of the street on designated streets, when feasible and safe, in order to fill gaps and create a network of sidewalks.

**Strategy (iv)** Encourage the Parks and Recreation Commission to advance segments of on-street greenways as depicted in the adopted Greenway Plan that are also located in priority pedestrian areas as shown on the Master Sidewalk Plan, as funding becomes available.



## **SECTION VII. SIDEWALK PLAN**

Using the 2002 recommendations of the Pedestrian-Bicycle Task Force, combined with the FHWA Best Practice recommendations, staff proposed a pedestrian system located along arterials, collectors and certain local streets that provide important connections. The proposed system would complement bus routes, and provide service to schools and commercial areas, as well as provide connections to high density residential areas and greenways.

### **Process**

Representatives from each Council ward reviewed possible sidewalk routes in their wards to provide input.

In addition, the following groups participated in identification of sidewalk routes including:

- Environmental Quality Commission
- Planning and Zoning Commission and
- Park Resources and Planning Committee

### **Exhibits**

Mapping of particular elements is a way to ensure that important connections are considered. The following elements were considered in the Draft Sidewalk Plan, and are include for reference.

**Exhibit 7.1 Status of Subdivisions Approved 1999-2007**

**Exhibit 7.2 Draft Sidewalk Plan**

**Exhibit 7.3 Arterial and Collector Streets**

**Exhibit 7.4 Greenway Plan**

**Exhibit 7.5 Bus Routes**

**Exhibit 7.6 Residential Density**

**Exhibit 7.7 Old Town**



**ADDITIONAL SECTIONS TO BE INCLUDED**

- **Design**
- **Implementation**
- **Funding**
- **Capital Improvement Priorities**

**(END)**



Exhibit 7.3 Arterial and Collector Streets



**City of Jefferson**  
**Street Functional Classification**

**Legend**

**Functional Classification**

- Freeway/Expressway
- Major Arterial (5 Lane/Divided)
- Arterial
- Collector
- Local

City of Jefferson Functional Classification is based on the April 12, 2000 Functional Roadway Classification Table dated 5/13/2000 and Figure 2b of the 2003 GBA Thoroughfare Plan for Cole County/Jefferson City. Minor discrepancies were resolved with discussion with the proper city staff. This map is for informational purposes and subject to final classification at a future date.

Map Produced January 8, 2010

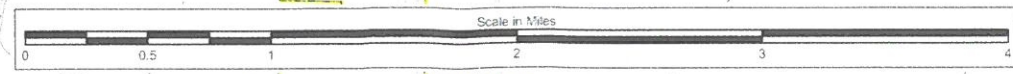
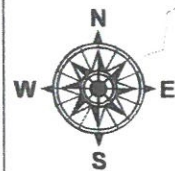
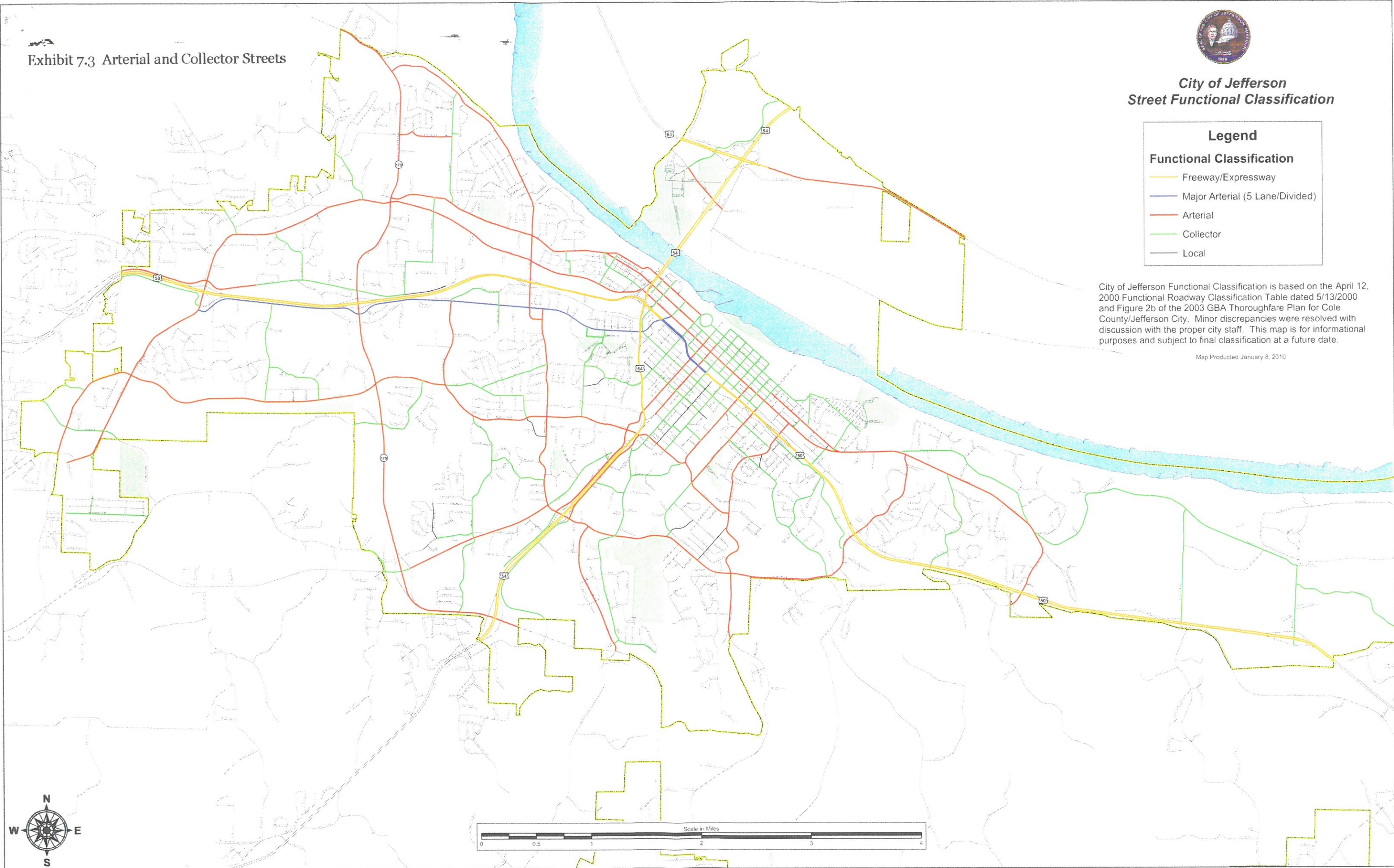
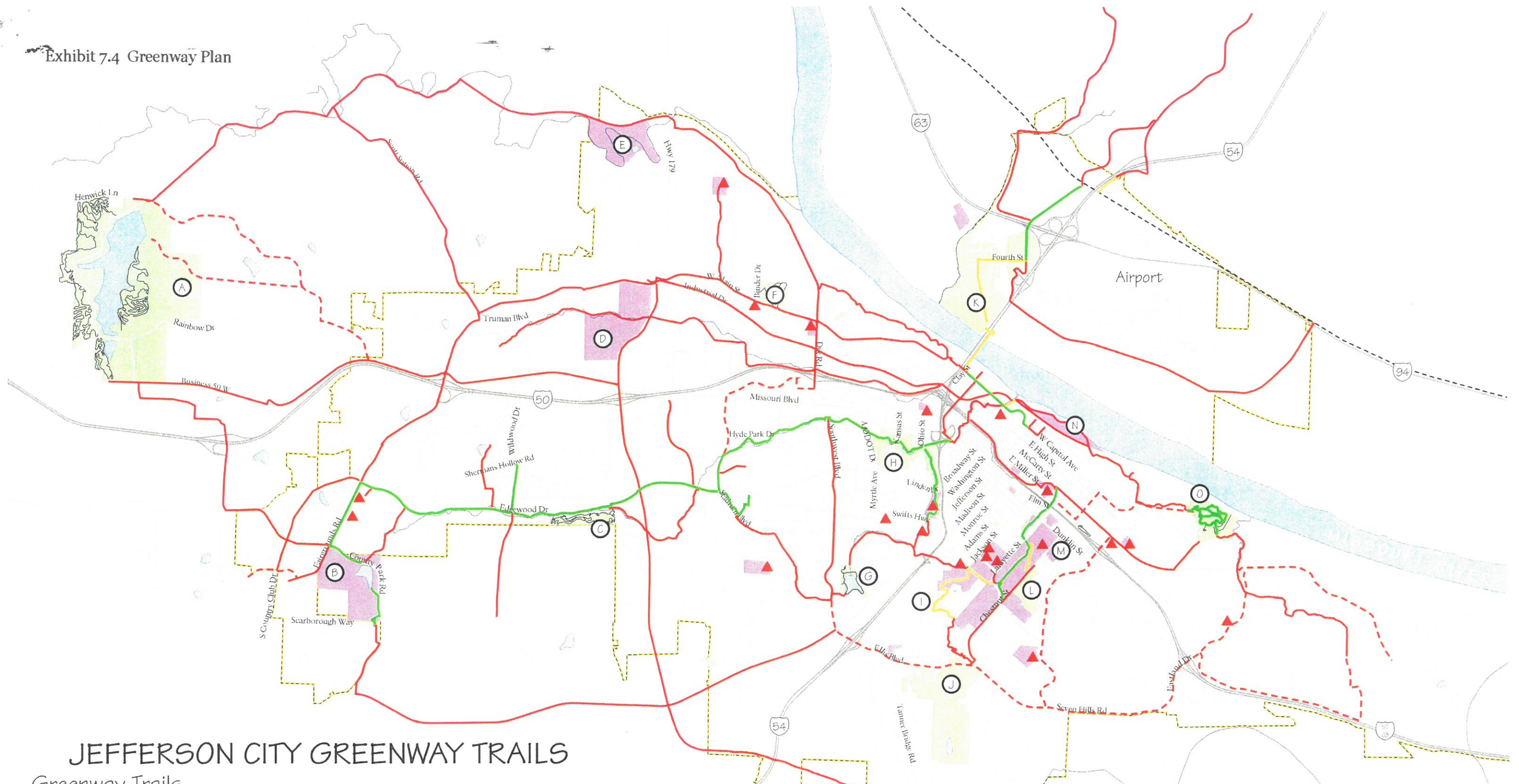




Exhibit 7.4 Greenway Plan



# JEFFERSON CITY GREENWAY TRAILS

## Greenway Trails

- Existing
- Planning/In Progress
- Future Off-Street
- - - Future On-Street
- - - Katy Trail
- ~ Park Trails
- ▲ Schools
- City of Jefferson
- City Parks
- Surrounding Parks & School Properties



## Location

- |                                   |                           |  |
|-----------------------------------|---------------------------|--|
| (A) Binder Park                   | (F) Memorial Park         | (K) North Jefferson City Recreation Area |
| (B) Cole County Park              | (G) McKay Park            | (L) McClung Park                         |
| (C) West Edgewood Recreation Area | (H) Washington Park       | (M) Lincoln University                   |
| (D) Runge Nature Center           | (I) Aurora Park           | (N) Adrians Island                       |
| (E) 179 Soccer Park               | (J) Oak Hills Golf Course | (O) Ellis Porter/Riverside Park          |





# Bus Route System

## JEFFTRAN Bus Route System

Exhibit 7.5 Bus Routes

- Business 50 East Route
- Capital Mall Route
- High Street East Route
- High Street West Route
- Missouri Blvd. Route
- Renn Addition Route
- Southwest Route
- - - - Morning Shuttle
- - - - Hutton Lane Afternoon Tripper
- - - - Southside/Tanner Bridge Afternoon Tripper
- - - - High Street East Afternoon Tripper

All bus routes connect to the JEFFTRAN Transfer Facility at 820 E. Miller Street, except the Capital Mall Route. For your convenience a restroom is available at the Transfer Facility.

Please refer to the individual route maps for times and exact locations of stops.

Questions? Call JEFFTRAN at (573) 634-6477 or online at [www.jeffcitymo.org/transit](http://www.jeffcitymo.org/transit).

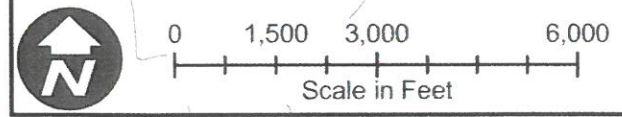
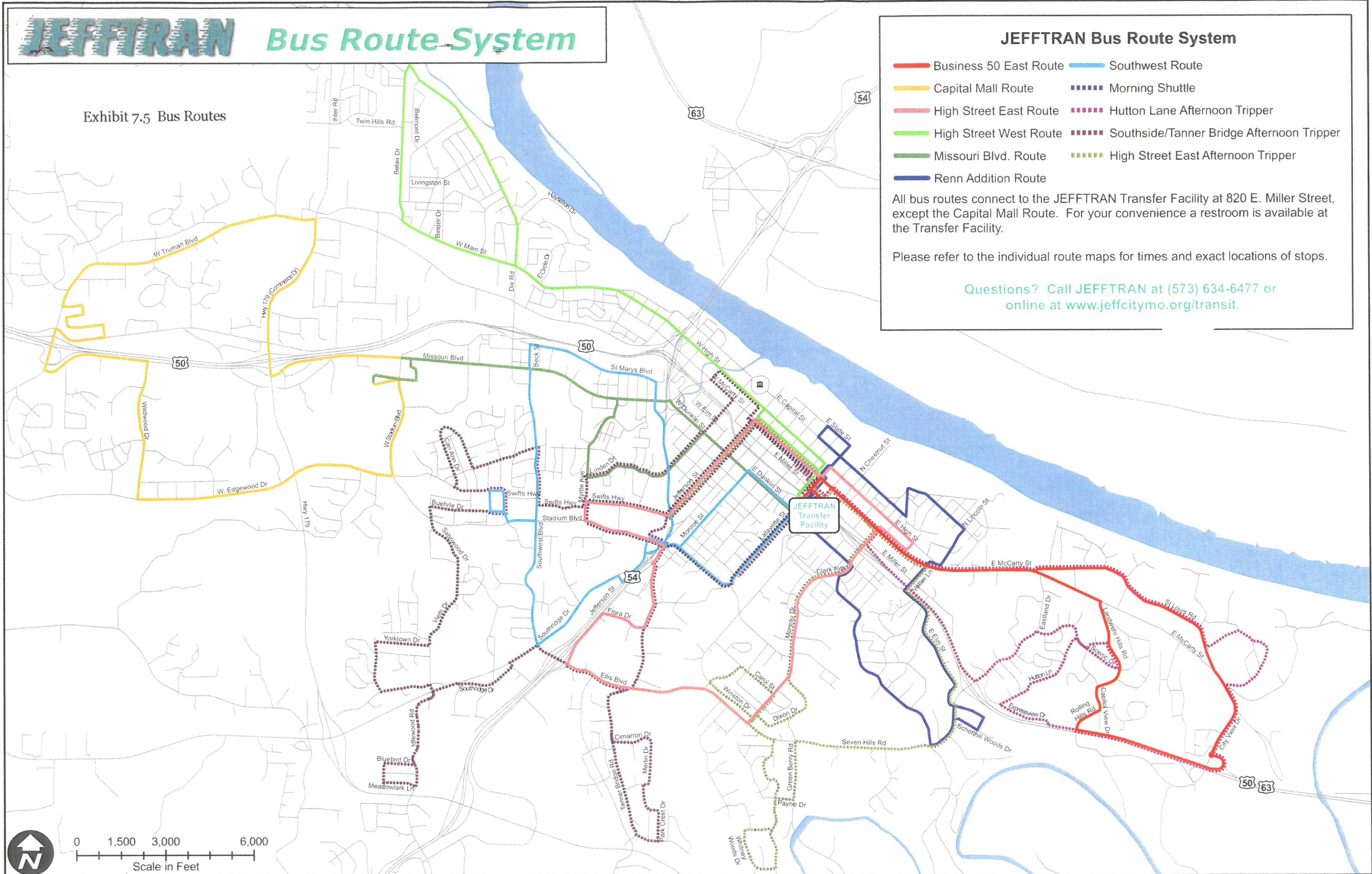
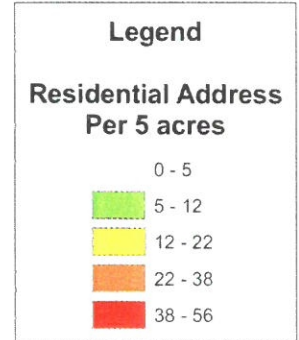




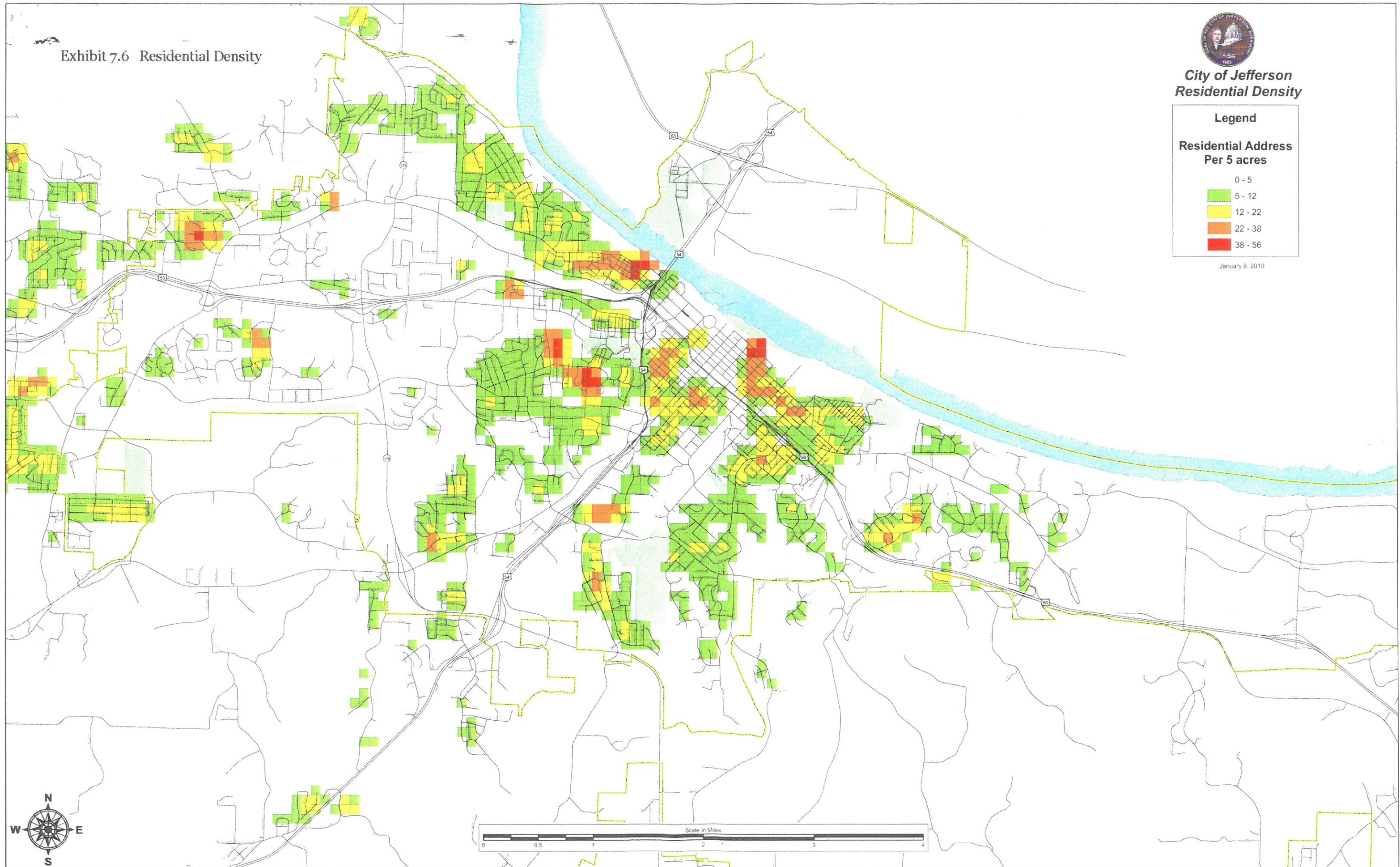
Exhibit 7.6 Residential Density



**City of Jefferson  
Residential Density**

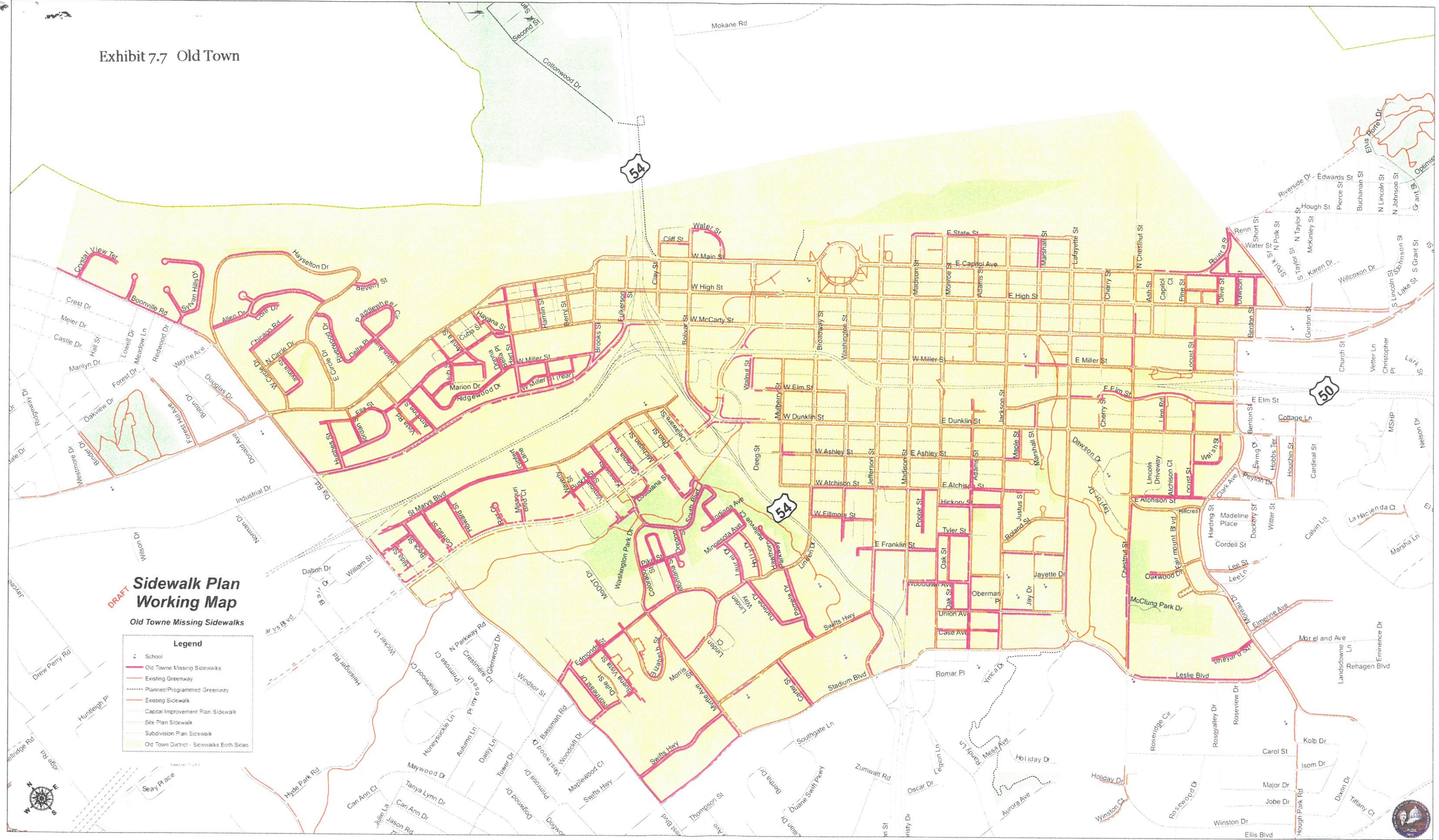


January 8, 2010





# Exhibit 7.7 Old Town



## DRAFT Sidewalk Plan Working Map

Old Town Missing Sidewalks

Legend	
	School
	Old Town Missing Sidewalks
	Existing Sidewalk
	Planned/Programmed Greenway
	Existing Greenway
	Capital Improvement Plan Sidewalk
	Site Plan Sidewalk
	Subdivision Plan Sidewalk
	Old Town District - Sidewalks Both Sides

