



## COMMUNITY DEVELOPMENT

Planning,  
Zoning,  
Building Safety,  
Construction Inspection  
Services,  
Public Health

### MEMORANDUM

**To:** Mayor and City Council Members  
**Cc:** Gregg Mandsager, City Administrator  
**From:** Andrew Fangman, City Planner  
**Date:** July 9, 2015  
**Re:** Bike & Pedestrian Master Plan

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**INTRODUCTION:** The Bike and Pedestrian Master Plan is a dynamic map based plan. It depicts existing, planned, and needed improvements to bike and pedestrian infrastructure.

**BACKGROUND:** The City of Muscatine Comprehensive Plan set the following goal: "Members of the community should have the opportunity to travel safely to their destination by foot, bike, or by other non-motorized means. Children should be able walk or bike to their school safely. To achieve this goal, critical routes for non-motorized travel linking schools, parks, bus stops, most major employment and shopping centers, and located within 400 feet of most residences in Muscatine will be identified. These routes will be made safe and attractive for travel by foot, bike, wheelchair, and all other forms of legal non-motorized travel." The City of Muscatine Bike and Pedestrian Plan is a tool that will be used to achieve this goal by directing the location of investment in bike and pedestrian infrastructure.

The Bike and Pedestrian Master Plan is a dynamic map based plan. It depicts existing, planned, and needed improvements to bike and pedestrian infrastructure. The Plan will work in concert with other City of Muscatine plans and policies including, The City of Muscatine Comprehensive Plan, the Complete Streets Policy, the Sidewalk Policy, and the Capital Improvement Plan. The Comprehensive Plan set forth the overarching vision, as stated above, for bike and pedestrian infrastructure, it also contains the community's vision for the expansion of the trail network.

The Complete Street Policy sets forth how the City will rebuild and construct streets. At the heart of the Complete Streets Policy is a mandate that "The design, operation and maintenance of the City of Muscatine's street network will create a connected grid of streets accommodating a safe, easily accessible, convenient, comfortable, and visually appealing manner for users of all

*"I remember Muscatine for its sunsets. I have never seen any on either side of the ocean that equaled them" — Mark Twain*

ages and abilities, including motorists, pedestrians, bicyclists, mass transit, children, senior citizens, individuals with disabilities, freight carriers, emergency responders and adjacent land users.”

The Sidewalk Policy states how new sidewalks should be installed and existing sidewalks maintained. It contains standards for the construction for new sidewalks, the standards to which sidewalks must be maintained, and establishes an inspection program to ensure the existing sidewalks are maintained to these standards.

The Capital Improvement Plan details which capital improvement projects, including bike and pedestrian infrastructure, the City is planning on undertaking in the next five years, and in which year each project will be built.

The Bike and Pedestrian Master Plan maps all existing bike and pedestrian infrastructure, the infrastructure that will need to be built in order to achieve the community’s vision, and which projects should be constructed next using available resource to provide the largest benefit to the community. As the plan is dynamic and mapped based, the plan maps will be regularly updated to reflect improvements to bike and pedestrian infrastructure, changing needs for bike and pedestrian infrastructure, and to reflect opportunities to leverage other infrastructure and building projects to improve the bike and pedestrian system.

**RECOMMENDATION/RATIONALE:** Staff recommends. The Bike and Pedestrian is necessary tool in planning future improvements to bike and pedestrian system in a manner that implements the vision set forth in the Comprehensive Plan.

**BACKUP INFORMATION:**

1. Draft Bike and Pedestrian Master Plan



# *Bike & Pedestrian* *Master Plan*

July 9, 2015 Draft





# Introduction

The City of Muscatine Comprehensive Plan set the following goal: "Members of the community should have the opportunity to travel safely to their destination by foot, bike, or by other non-motorized means. Children should be able walk or bike to their school safely. To achieve this goal, critical routes for non-motorized travel linking schools, parks, bus stops, most major employment and shopping centers, and located within 400 feet of most residences in Muscatine will be identified. These routes will be made safe and attractive for travel by foot, bike, wheelchair, and all other forms of legal non-motorized travel." The City of Muscatine Bike and Pedestrian Plan is a tool that will be used to achieve this goal by directing the location of investment in bike and pedestrian infrastructure.

The Bike and Pedestrian Master Plan is a dynamic map based plan. It depicts existing, planned, and needed improvements to bike and pedestrian infrastructure. The Plan will work in concert with other City of Muscatine plans and policies including; The City of Muscatine Comprehensive Plan, the Complete Streets Policy, the Sidewalk Policy, and the Capital Improvement Plan.

The Comprehensive Plan set forth the overarching vision, as stated above, for bike and pedestrian infrastructure, it also contains the community's vision for the expansion of the trail network.

The Complete Streets Policy sets forth how the City will rebuild and construct streets. At the heart of the Complete Streets Policy is a mandate that "The design, operation and maintenance of the City of Muscatine's street network will create a connected grid of streets accommodating a safe, easily accessible, convenient, comfortable, and visually appealing manner for users of all ages and abilities, including motorists, pedestrians, bicyclists, mass transit, children, senior citizens, individuals with disabilities, freight carriers, emergency responders and adjacent land users."

The Sidewalk Policy states how new sidewalks should be installed and existing sidewalks maintained. It contains standards for the construction for new sidewalks, the standards to which sidewalks must be maintained, and establishes an inspection program to ensure the existing sidewalks are maintained to these standards.

The Capital Improvement Plan details which capital improvement projects, including bike and pedestrian infrastructure, the City is planning on undertaking in the next five years, and in which year each project will be built.

The Bike and Pedestrian Master Plan maps all existing bike and pedestrian infrastructure, the infrastructure that will need to be built in order to achieve the community's vision, and which projects should be constructed next using available resources to provide the largest benefit to the community. As the plan is dynamic and map based, the plan maps will be regularly updated to reflect improvements to bike and pedestrian infrastructure, changing demand for bike and pedestrian infrastructure, and opportunities to leverage other infrastructure and building projects to improve the bike and pedestrian system.



### **Map Key**

Following is an explanation of items depicted on the following maps that comprise the Bike and Pedestrian Master Plan.

**Existing Sidewalks:** Sidewalks existing or under active construction as of the date the map was prepared.

**Existing Trails:** Trails existing or under active construction as of the date that the map was prepared.

**Nonmunicipal Public Trails:** Trails open to public, but are owned and maintained by an entity other than the City of Muscatine.

**2015 Sidewalk Construction Program:** Sidewalks that will be constructed as part of the 2015 Sidewalk Program.

**Planned Sidewalks:** Locations in which the construction of new sidewalks to address gaps in the sidewalk network have been judged to be essential to meeting the goal for members of the community being able to travel safely to their destination by foot, bike, or by other non-motorized means this will be done by, linking schools, parks, bus stops, most major employment and shopping centers, and residences with safe and attractive routes for non-motorized travel.

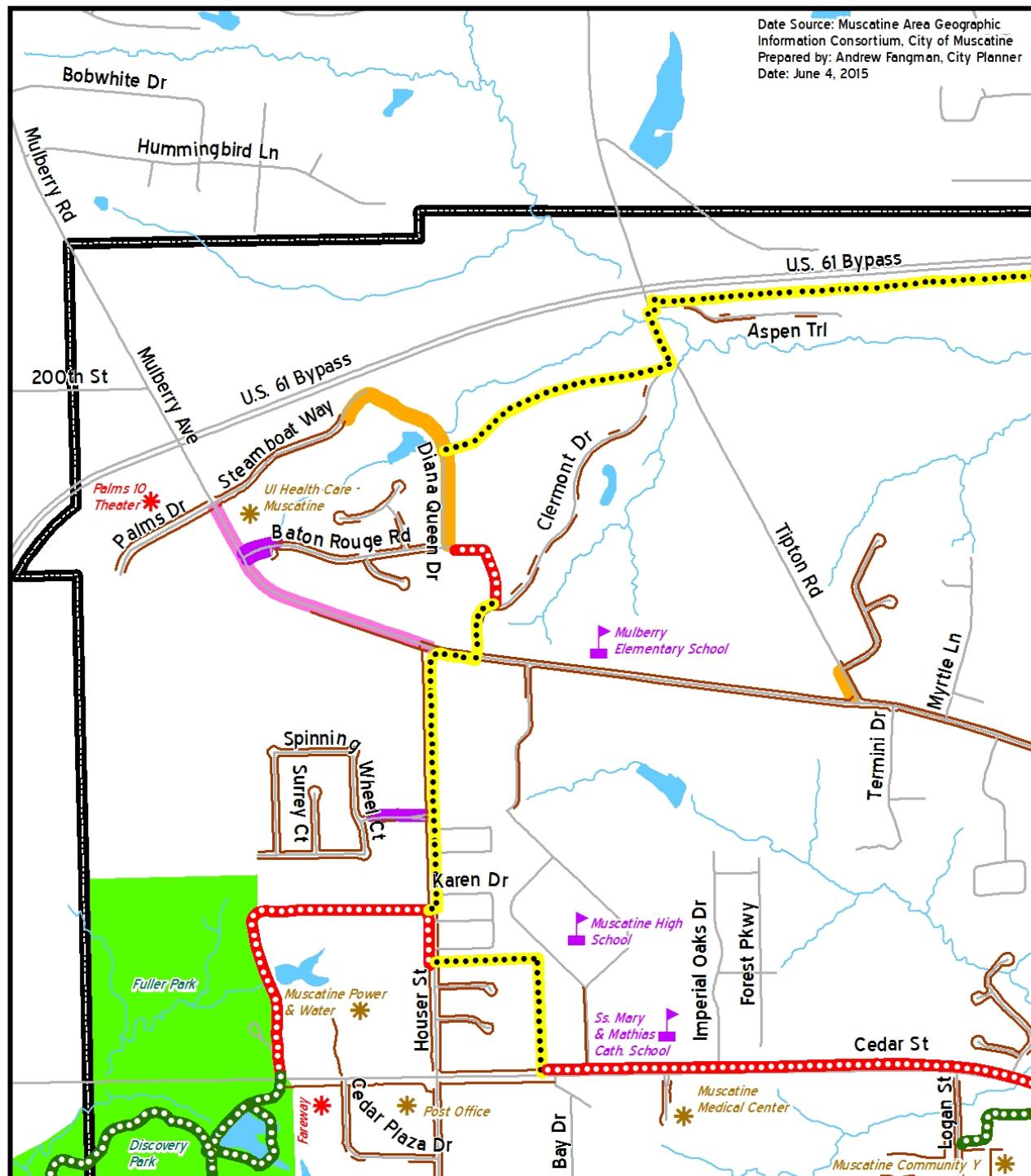
Future phases of the annual sidewalk construction program will comprise the locations identified as "Planned Sidewalks" in the Bike and Pedestrian Master Plan. The composition of each year's sidewalk construction program will be determined by available funds and the goal of creating networks of critical routes for non-motorized travel radiating outward from each school, which will then be linked together into a community-wide network of safe routes for non-motorized travel.

**Future Complete Street Projects: Streets that will** be rebuilt, in the near future, in accordance with the adopted Complete Streets Policy, making them safe, easily accessible, convenient, comfortable, and visually appealing for users of all ages and abilities, including motorists, pedestrians, bicyclists, mass transit, children, senior citizens, individuals with disabilities, freight carriers, emergency responders and adjacent land users.

**Planned Bike Locations:** Locations in which bike lanes will achieve the goals for bike mobility set by the Comprehensive Plan. After a determination if a bike lane meets accepted national standards for, the appropriate signage and markings will be installed.



## DRAFT City of Muscatine Bike & Pedestrian Master Plan



## Bike and Pedestrian Master Plan

Existing Trail

2015 Sidewalk Program

Future Complete Street Projects

Planned Trail

Planned Sidewalks

Nonmunicipal Public Trail

Existing Sidewalks

Planned Bike Lanes



City Limit

0

0.125

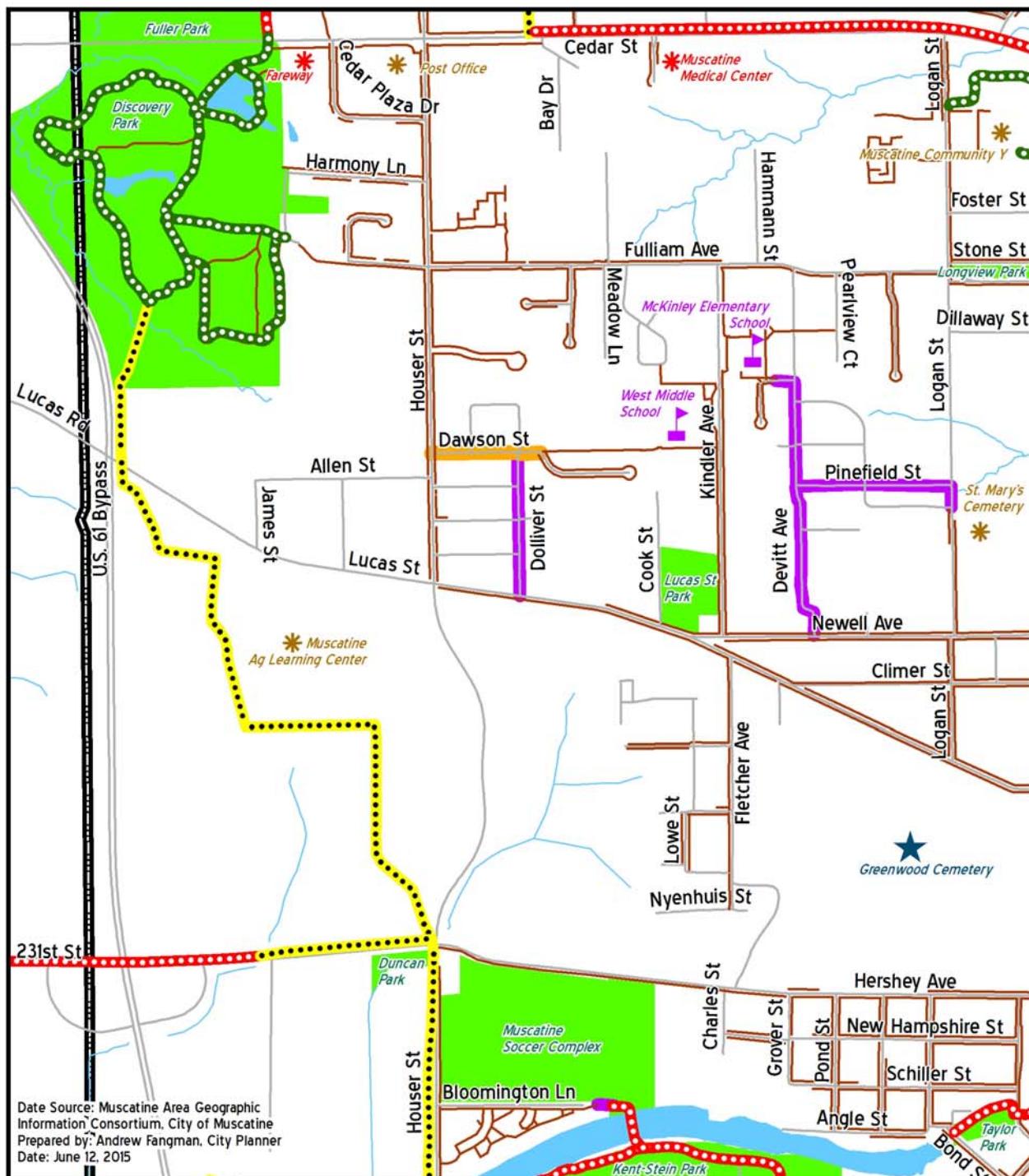
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0.5 Miles





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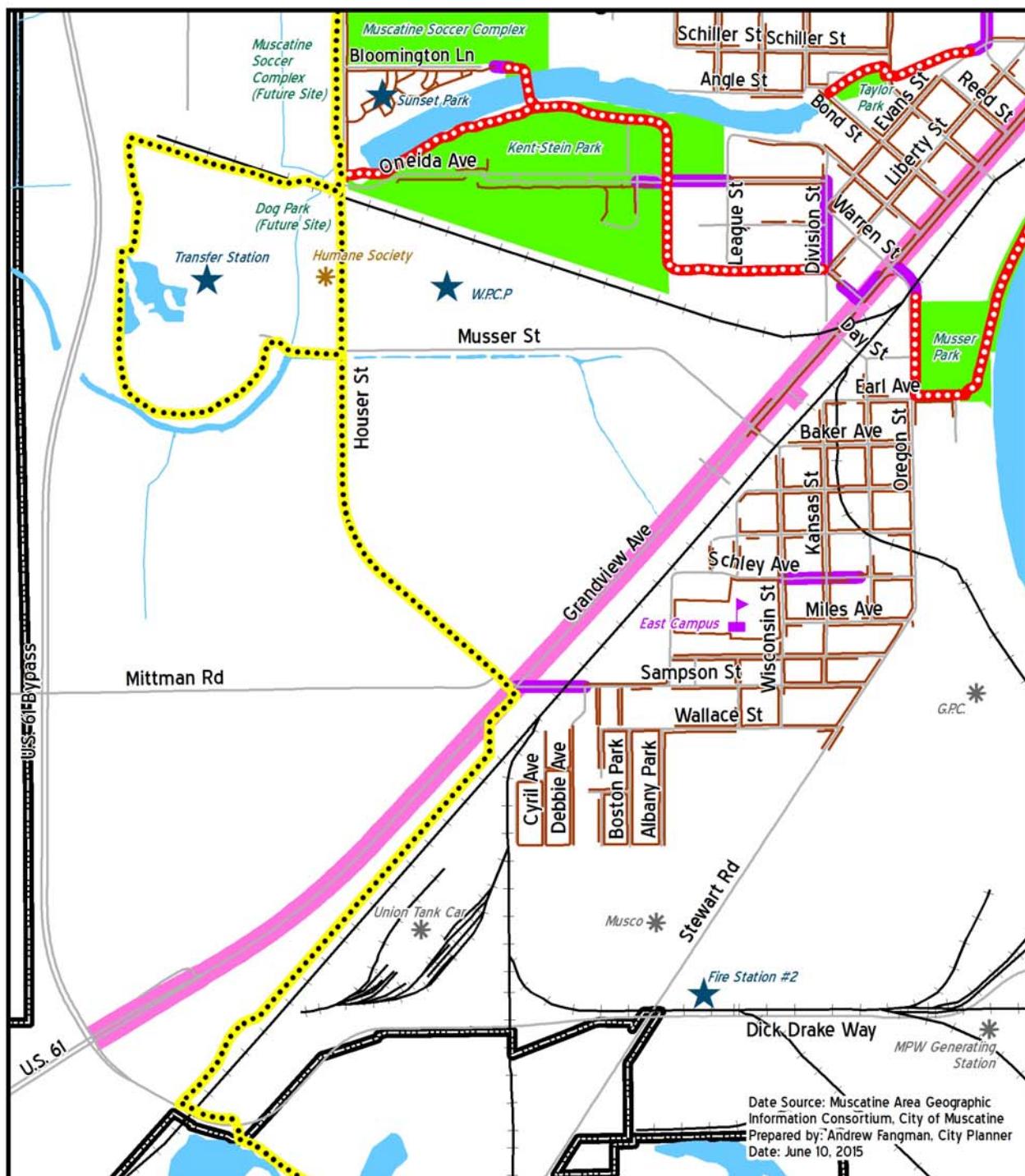


## Bike and Pedestrian Master Plan





## DRAFT City of Muscatine Bike & Pedestrian Master Plan

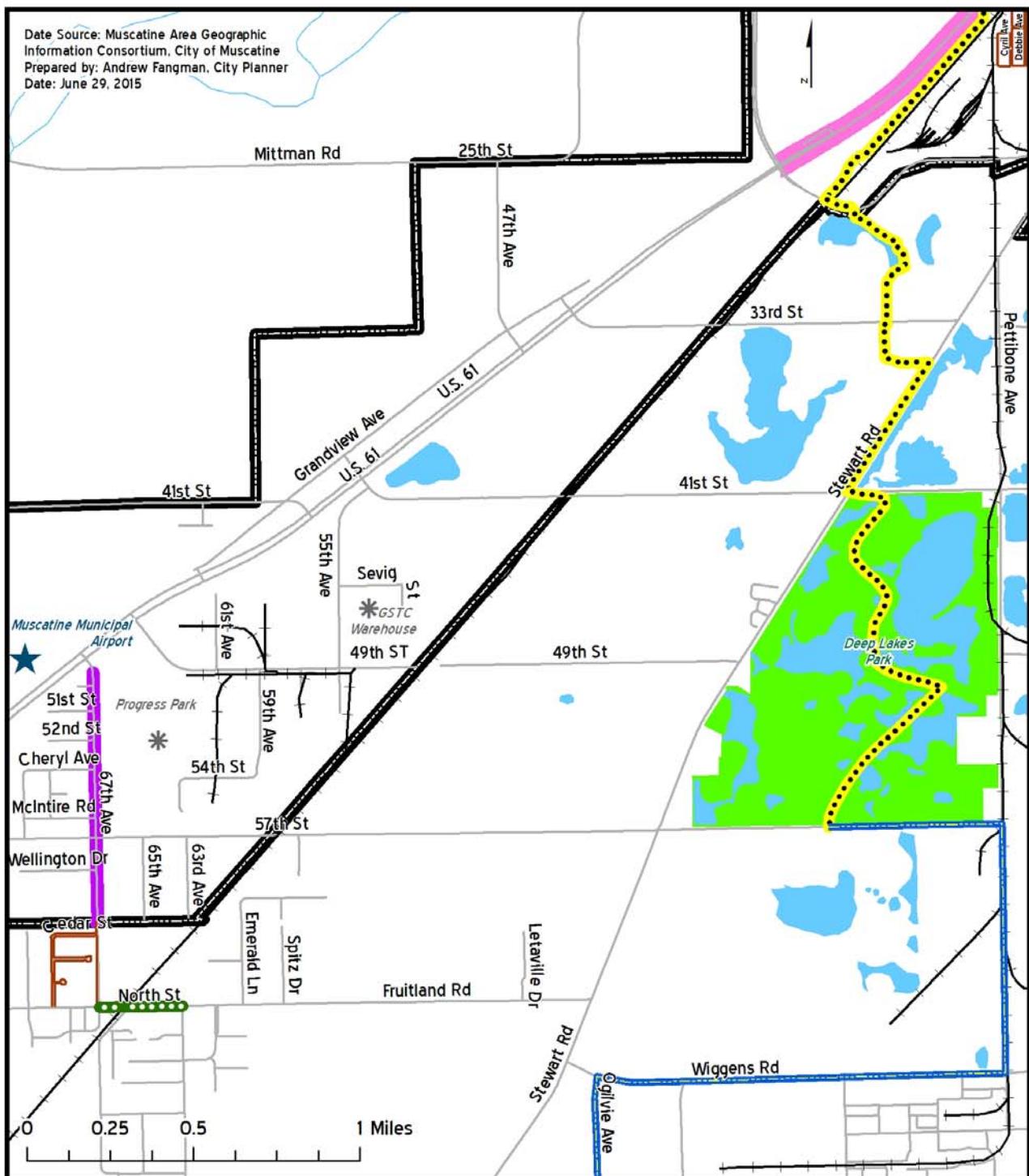


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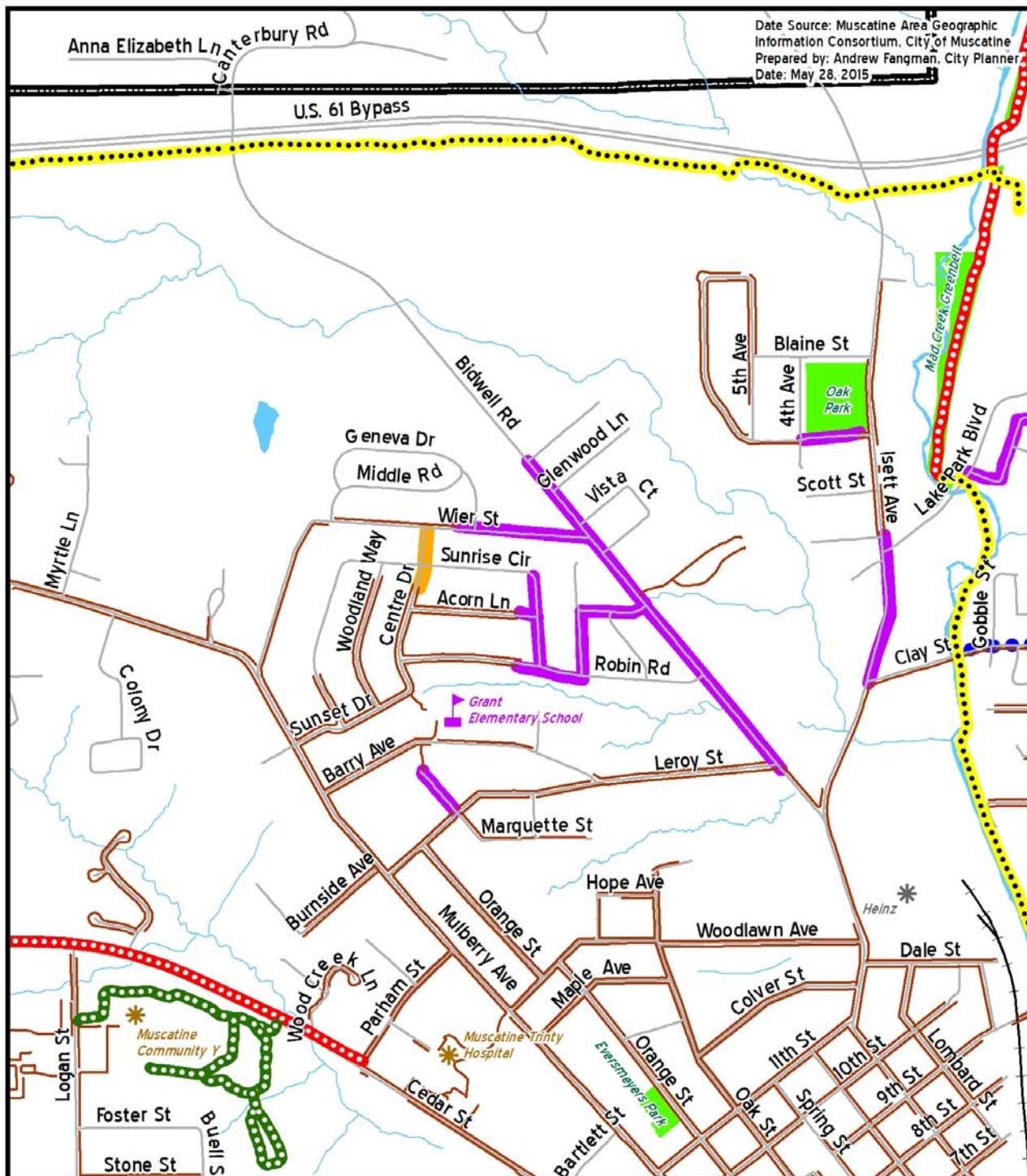


## Bike and Pedestrian Master Plan

- Existing Trail
- 2015 Sidewalk Program
- Future Complete Street Projects
- Share the Road Segment of the Mississippi River Trail/American Discovery Trail
- Planned Trail
- Planned Sidewalks
- Nonmunicipal Public Trail
- Existing Sidewalks
- Planned Bike Lanes
- City Limit



## DRAFT City of Muscatine Bike & Pedestrian Master Plan



## Bike and Pedestrian Master Plan

Existing Trail

2015 Sidewalk Program

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Nonmunicipal Public Trail

Existing Sidewalks

Planned Bike Lanes

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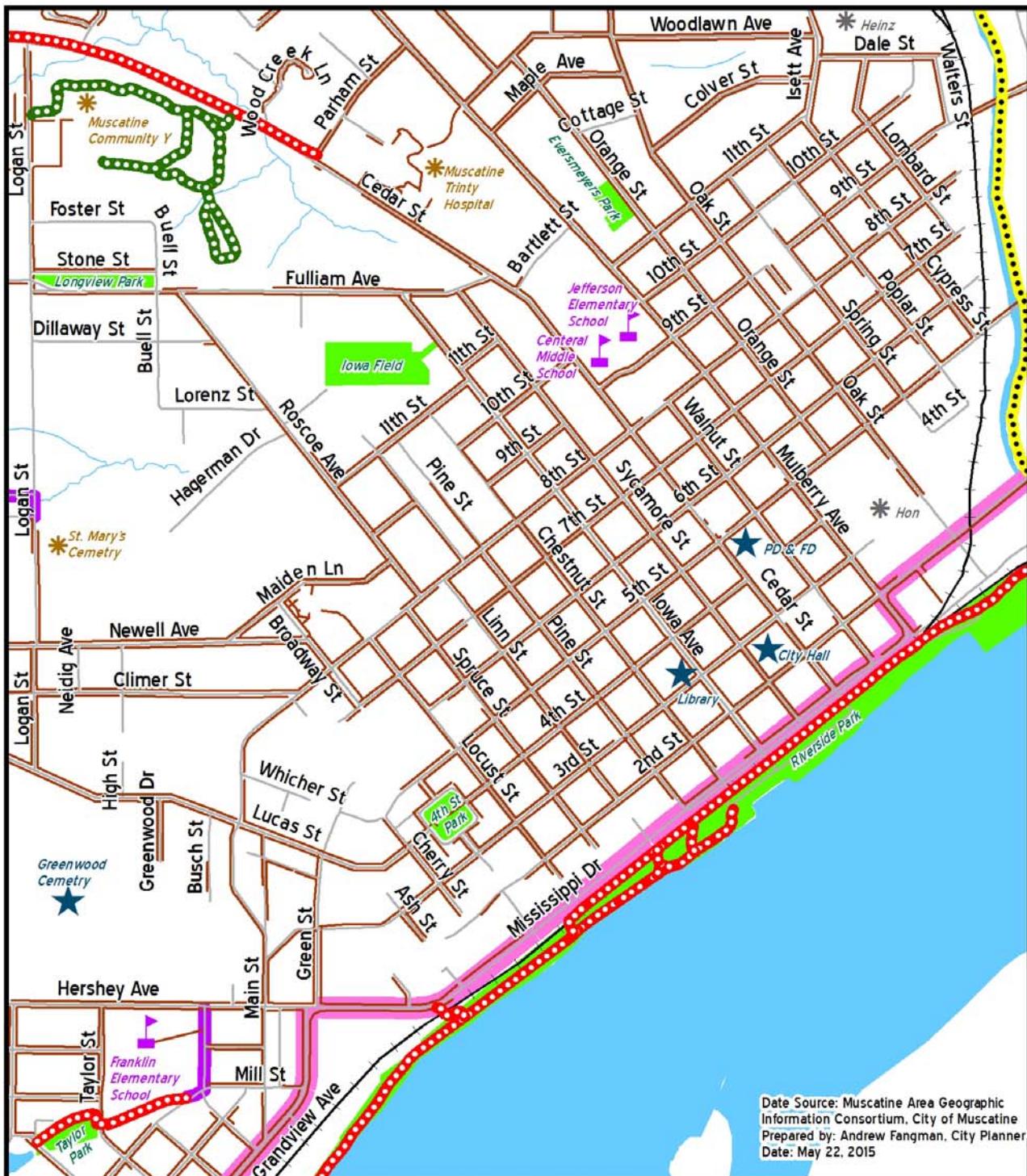
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Future Complete Street Projects

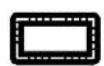
Planned Trail

Planned Sidewalks

Nonmunicipal Public Trail

Existing Sidewalks

Planned Bike Lanes



City Limit

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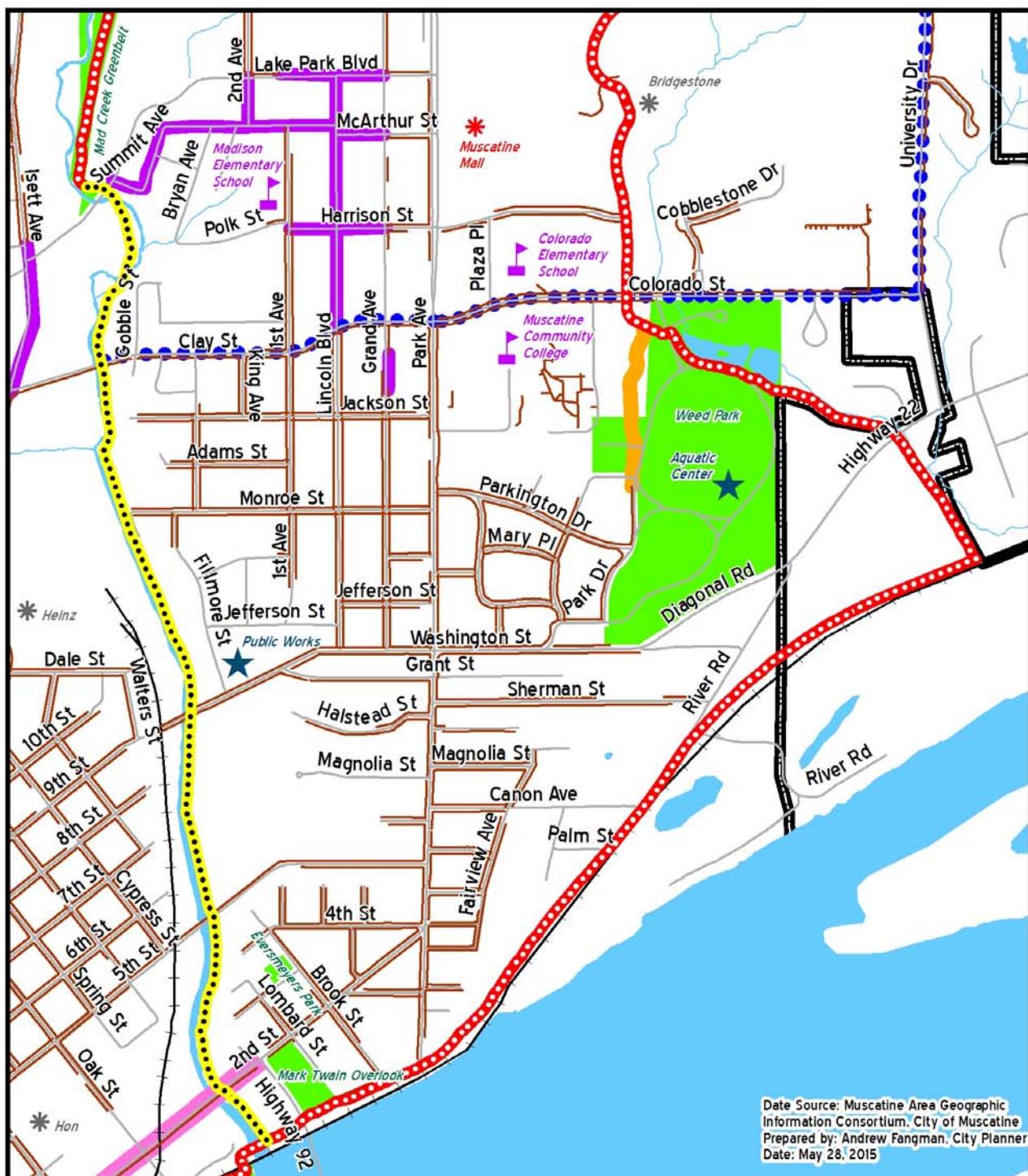
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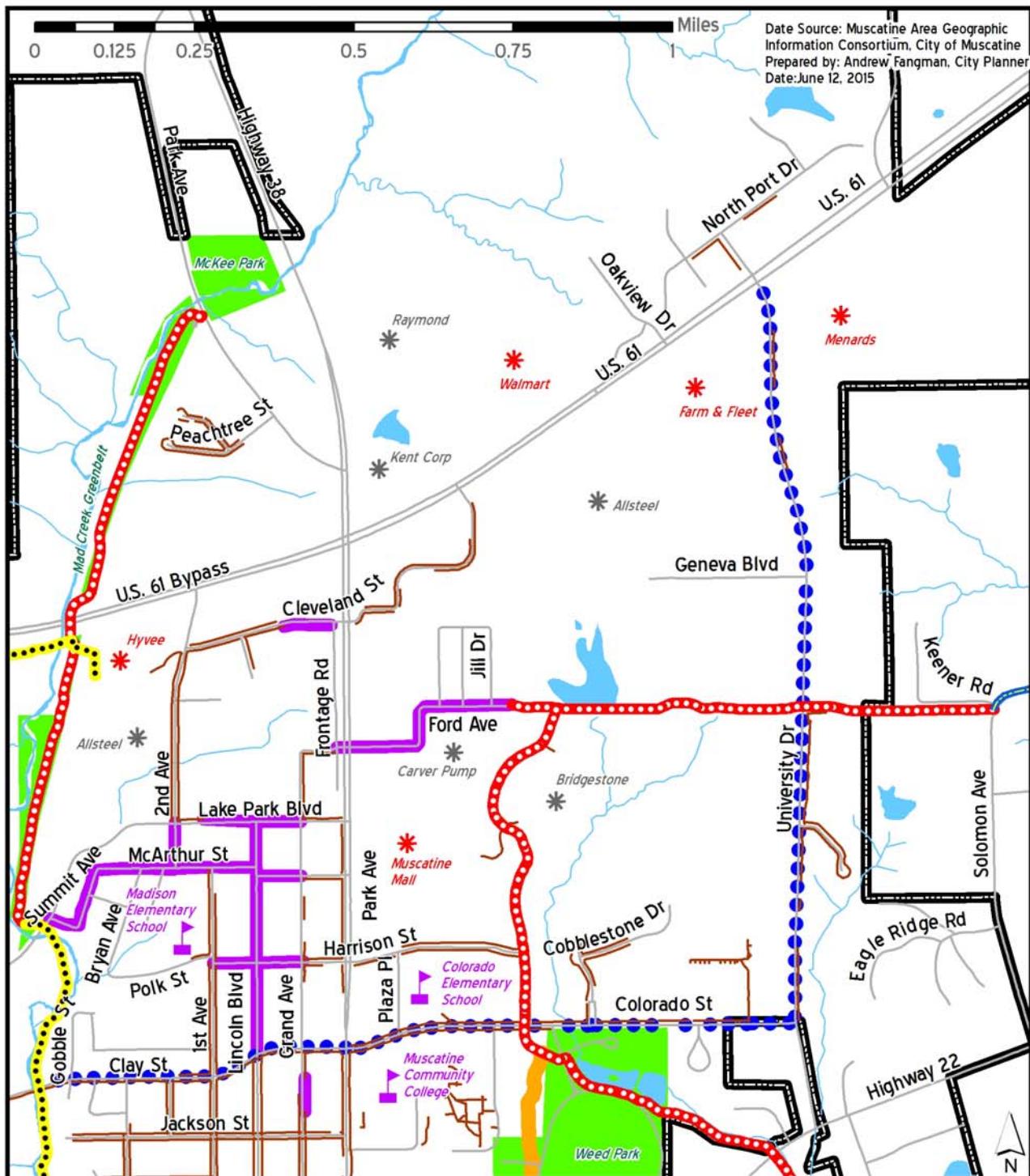


## Bike and Pedestrian Master Plan





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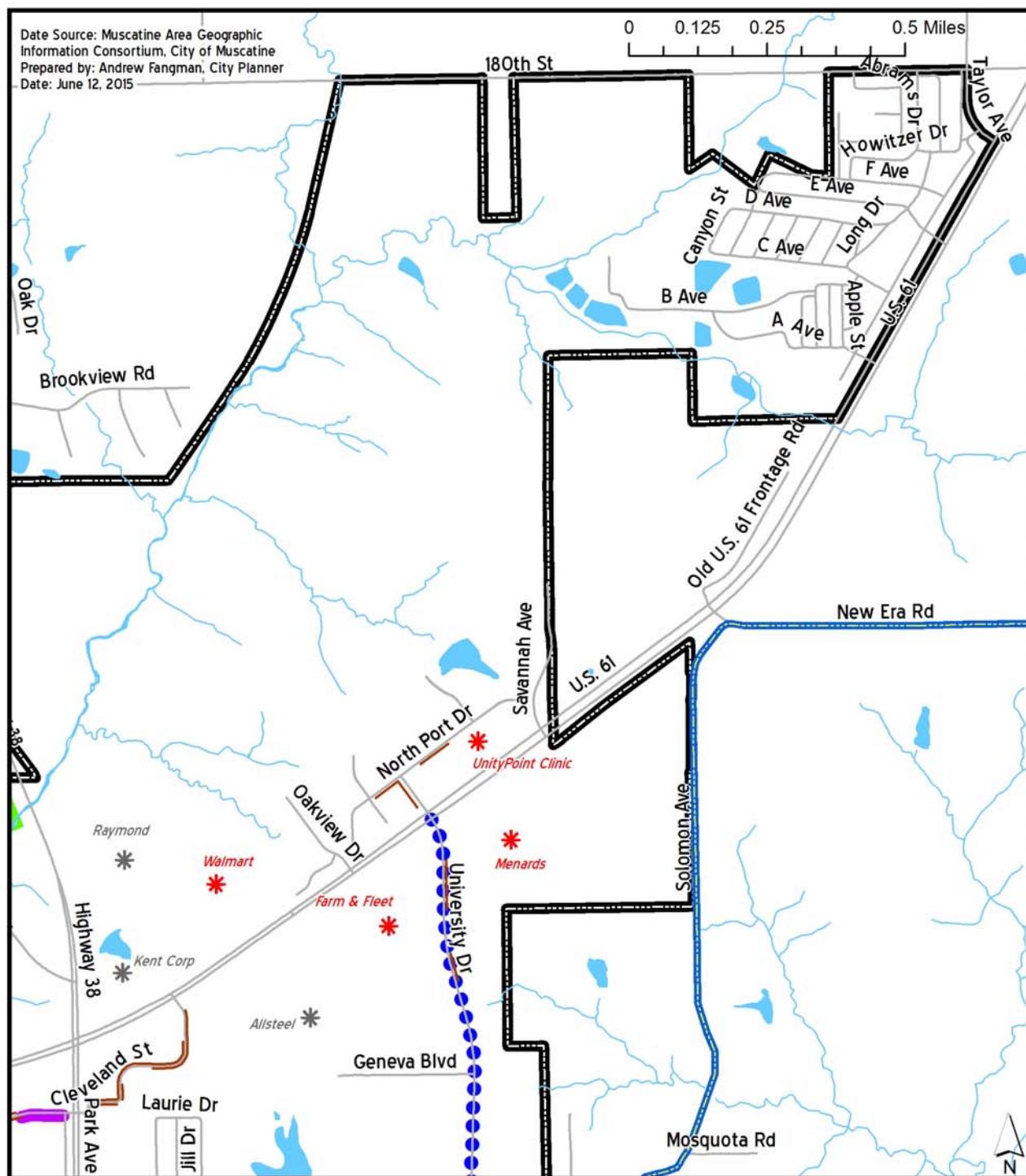


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