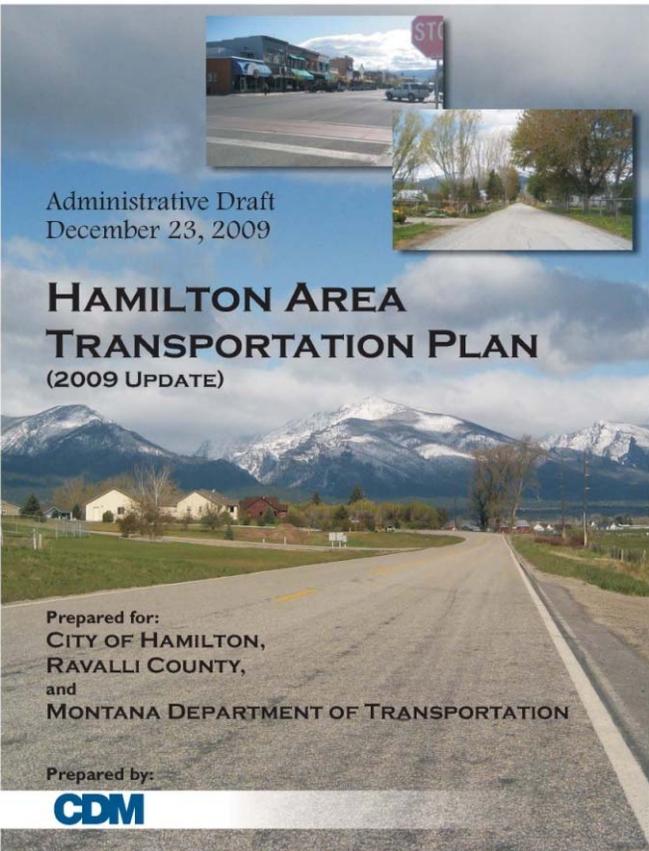




## Public Meeting No. 2

# Hamilton Area Transportation Plan (2009 Update)

*January 6, 2010*



Administrative Draft  
December 23, 2009

**HAMILTON AREA  
TRANSPORTATION PLAN**  
(2009 UPDATE)

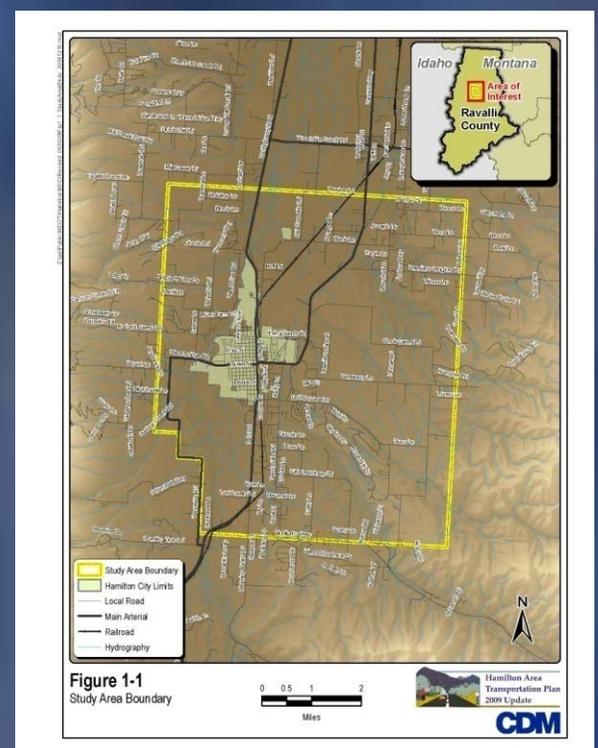
Prepared for:  
CITY OF HAMILTON,  
RAVALLI COUNTY,  
and  
MONTANA DEPARTMENT OF TRANSPORTATION

Prepared by:  
**CDM**

The cover of the report features a large background image of a paved road curving through a landscape with snow-capped mountains in the distance. Two smaller inset images are positioned at the top: one showing a street intersection with a stop sign and buildings, and another showing a road lined with trees.

# Purpose of Presentation

- ◆ Inform as to the status of the transportation plan update
- ◆ Present some of the preliminary projects being considered
- ◆ Describe the upcoming two months and project/schedule completion
- ◆ Entertain questions



# Status of Project – Summary of Public Outreach

- ◆ Currently at month 11 of 12 month schedule
  - ◆ Contract completion 02/04/2010
- ◆ Public outreach activities have continued and are winding down:
  - ◆ Facilitated 5 TAC meetings
  - ◆ Facilitated 5 CAC meetings
  - ◆ Completed 13 “other” outreach activities
  - ◆ Facilitated 1 public meeting
  - ◆ Hosted informational booth at Farmer’s Market
  - ◆ Held 14 project team conference calls
  - ◆ Held outreach with elected officials

# Outline of Transportation Plan Document

- ◆ Chapter 1: Project Introduction and Coordination
- ◆ Chapter 2: Existing Transportation System
- ◆ Chapter 3: Travel Demand Forecasting
- ◆ Chapter 4: Problem Identification
- ◆ **Chapter 5: Transportation System Recommendations**
- ◆ Chapter 6: Public Transportation
- ◆ Chapter 7: Transportation Demand Management (TDM) Strategies
- ◆ Chapter 8: Miscellaneous Transportation System Considerations
- ◆ Chapter 9: Financial Analysis

# Chapter 5: Transportation System Recommendations

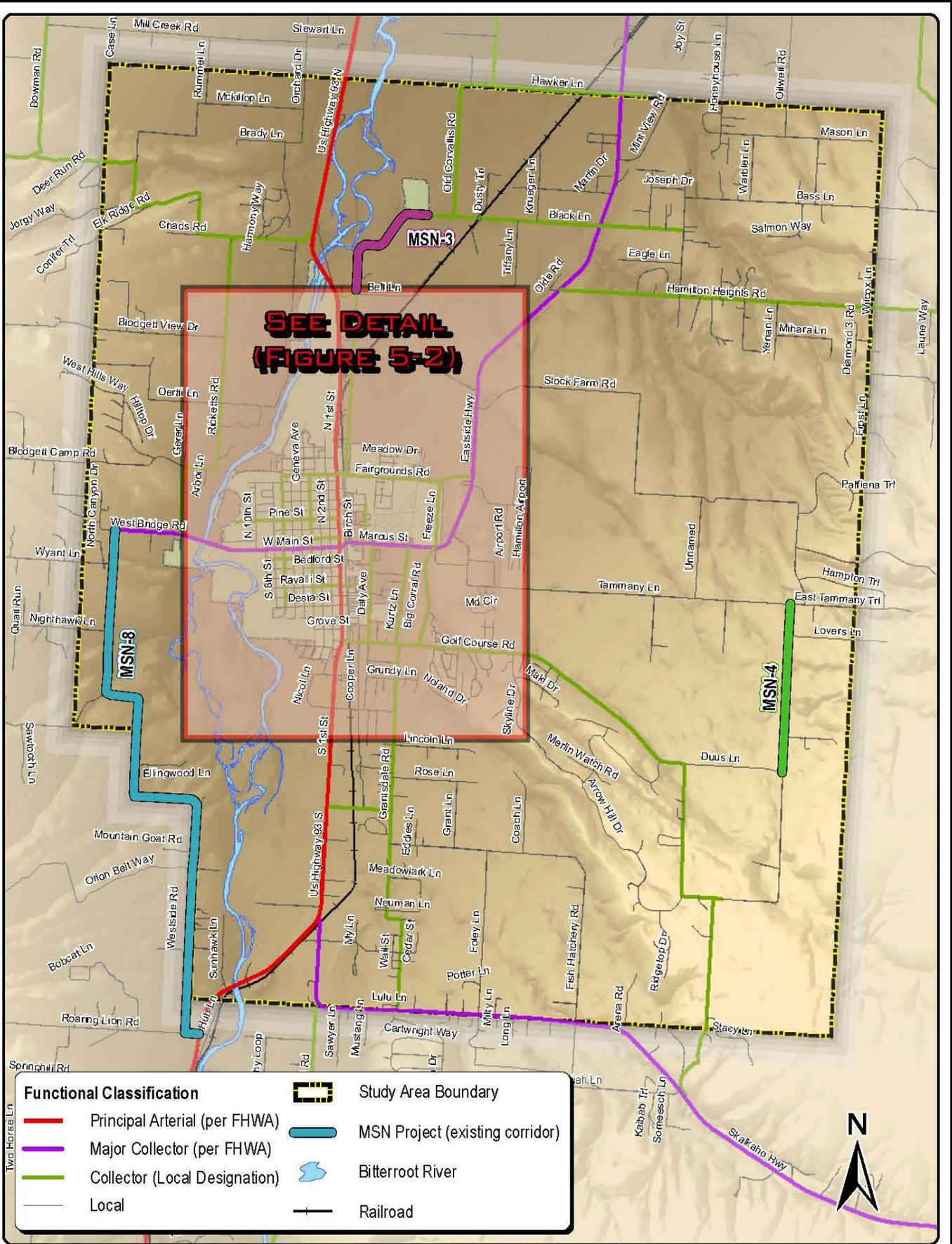
- ◆ Major Street Network (MSN) Recommendations
- ◆ Transportation System Management (TSM) Recommendations
- ◆ Non-Motorized Network Recommendations
- ◆ Policy and Procedures Guidance

# Major Street Network (MSN) Recommendations

- ◆ Roadway expansion and/or new roadway projects
- ◆ Correct identified deficiencies and/or serve projected growth
- ◆ Rural and/or urban roadway features
- ◆ Take more time and resources to develop
- ◆ Previous 2002 Hamilton Transportation Plan had 18 of these projects, with 3 completed
- ◆ See graphics

# Major Street Network (MSN) Recommendations

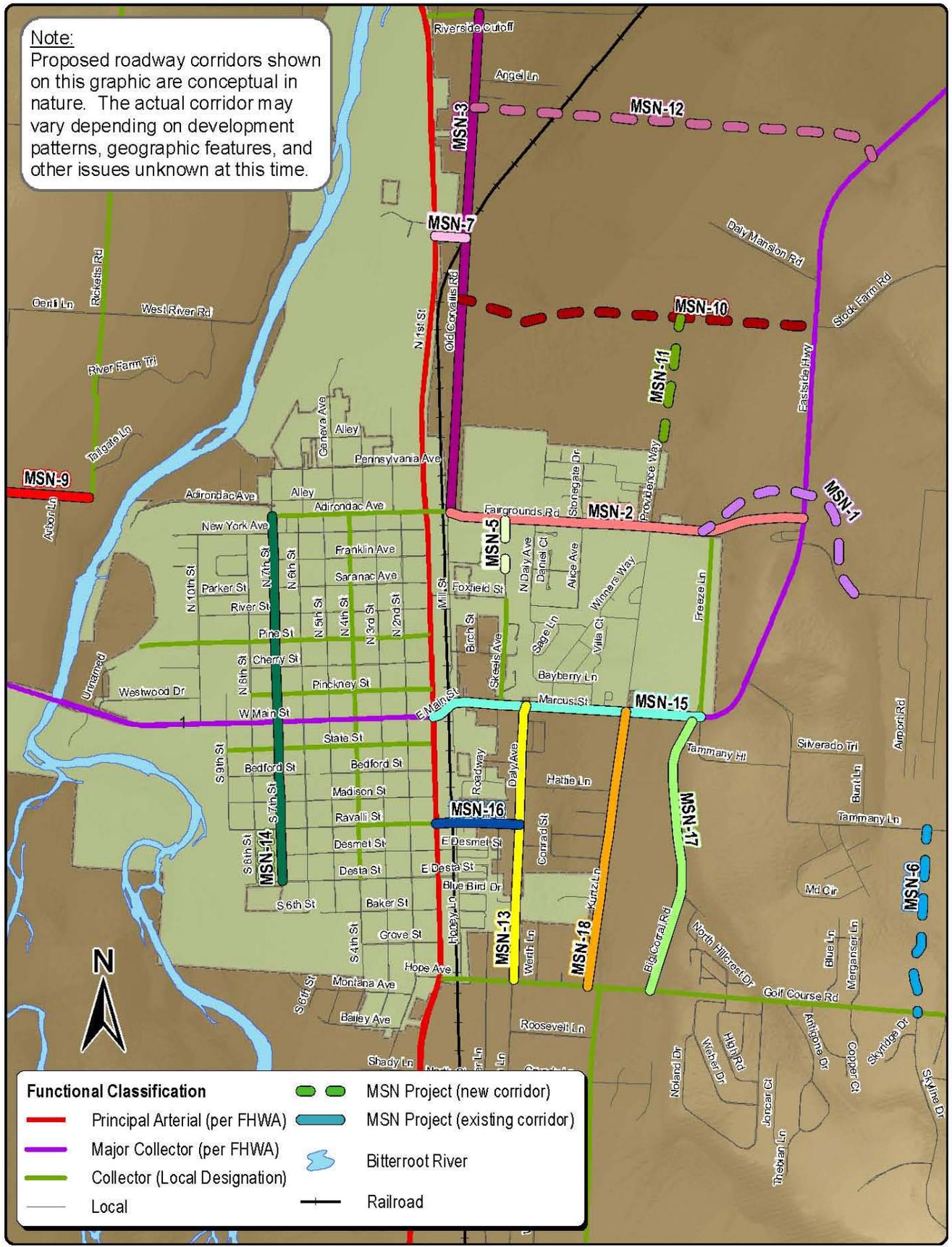
Project ID	Short Description	Recommendation
MSN-1	Fairgrounds Road and Eastside Highway (SR 269)	Add southbound right-turn lane (short term) & relocate fairgrounds road (long term).
MSN-2	Fairgrounds Road (Old Corvallis Road to Eastside Highway)	Reconstruct this road to a "business collector" standard with on-street bicycle lanes, curb and gutter, and sidewalks.
MSN-3	Old Corvallis Road (Fairgrounds Road to GSK)	Reconstruct this road to a "business collector" standard with curb and gutter, on-street bicycle lanes (each direction), sidewalk, and appropriate signage/pavement markings.
MSN-4	Tammany Lane (Golf Course Road to Lovers Lane)	Overlay this remaining section of Tammany Lane with asphalt.
MSN-5	Skeels Avenue (Foxfield Street to Fairgrounds Road)	Extend Skeels Avenue from Foxfield Street to Fairgrounds Road. This should be extended as a "business collector" standard.
MSN-6	New North-South Connector (Golf Course Road to Tammany Lane)	Develop a new north-south "residential collector" roadway between Tammany Lane and Golf Course.
MSN-7	New East-West Connector (Old Corvallis Road to US Highway 93)	Develop a new "business collector" roadway to provide an alternate route between Old Corvallis Road and US Highway 93.
MSN-8	Westside Highway (US Highway 93 to West Bridge Road)	Complete routine mill and overlay on the facility as funding becomes available.
MSN-9	Ricketts Road (Blodgett Camp Road to east of Arbor Lane)	Mill and overlay this segment of Ricketts Road as funding becomes available.
MSN-10	New East-West Connector #1 (Old Corvallis to Eastside Highway)	Plan for and develop a new east-west "residential collector" roadway between Old Corvallis Road and Eastside Highway.
MSN-11	Providence Way Extension (Fairgrounds Road to MSN-10)	Extend Providence Way north of Fairgrounds Road and connect to the future east-west route identified under MSN-10.
MSN-12	New East-West Connector #2 (Old Corvallis to Eastside Highway)	Develop a new east-west "residential collector" roadway between Old Corvallis Road and Eastside Highway.
MSN-13	Daly Avenue (Golf Course Road to Marcus Street)	Reconstruct this street to a "residential" street section with curb and gutter and sidewalk.
MSN-14	Seventh Street (Adirondac Avenue to Desta Street)	Mill and overlay this facility, with storm drainage improvements, for its entire one-mile length.
MSN-15	Marcus Street (Freeze Lane to US 93)	Install center left-turn lanes along Marcus Street at Kurtz Lane, Daly Avenue, and Skeels Avenue. Speed zone study.
MSN-16	Ravalli Street (US Highway 93 to Daly Avenue)	Reconstruct this street to a "residential collector" street standard with curb and gutter and sidewalk.
MSN-17	Big Corral Road (Golf Course Road to Marcus Street)	Reconstruct this street to a "residential" street standard with curb and gutter and sidewalk.
MSN-18	Kurtz Lane (Golf Course Road to Marcus Street)	Reconstruct this street to a "residential collector" street standard with curb and gutter and sidewalk.



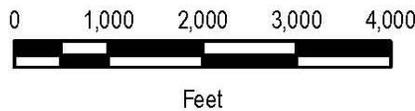
**Figure 5-1**  
Major Street Network (MSN)  
Recommendations



**Note:**  
Proposed roadway corridors shown on this graphic are conceptual in nature. The actual corridor may vary depending on development patterns, geographic features, and other issues unknown at this time.



**Figure 5-2**  
Major Street Network (MSN)  
Recommendations  
Inset Area



Hamilton Area  
Transportation Plan  
2009 Update

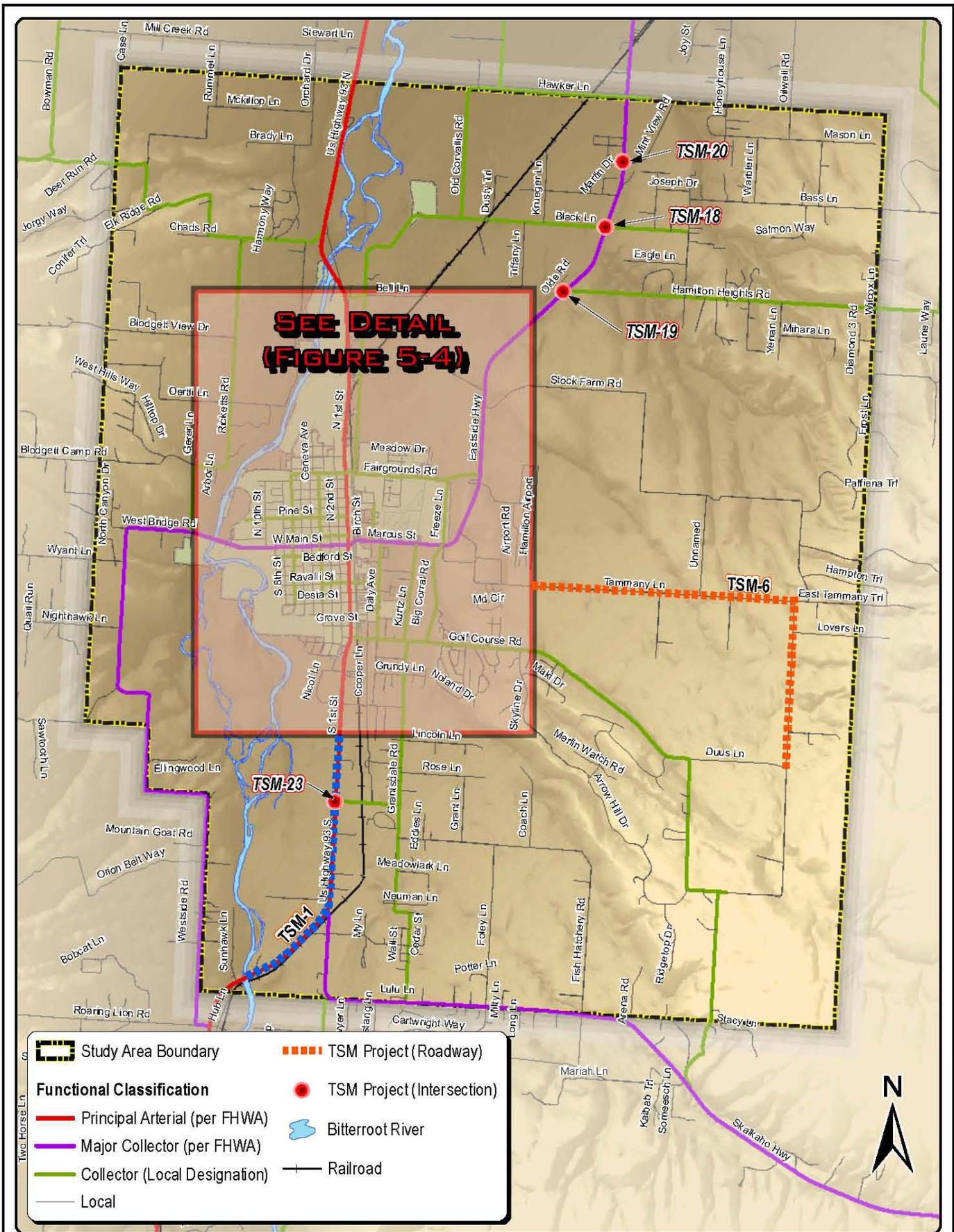


# Transportation System Management (TSM) Recommendations

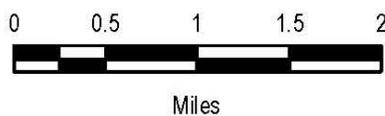
- ◆ Lower scale improvement projects
- ◆ Intersection control, turn bays, signing, etc.
- ◆ Can be developed on expedited schedule and with fewer resources
- ◆ Referred to as “tweaking” the existing transportation system
- ◆ Previous 2002 Hamilton Transportation Plan had 6 of these projects, with 4 completed
- ◆ See graphics

# Transportation System Management (TSM) Recommendations

Project ID	Location/Identifier	Recommendation
TSM-1	US Highway 93 Access Management Plan	Complete a comprehensive <i>Access Management Plan</i> for US Highway 93.
TSM-2	US Highway 93 and Marcus/Main Street	Remove the large tree located on the northeast quadrant of this intersection.
TSM-3	Daly Avenue and East Ravalli Street	Modify the fencing and vegetation located at the northwest quadrant.
TSM-4	Development of Access Management Regulations	Develop access management.
TSM-5	Kurtz Lane Functional Classification	Kurtz Lane, between SR 269 and Fairgrounds Road, should be functionally classified as a collector.
TSM-6	Tammany Lane Functional Classification	Tammany Lane should be functionally classified as a collector route.
TSM-7	Fairgrounds Road and Old Corvallis Road	Reconstruct the intersection with curb and gutter, sidewalks, signing, and turn bays.
TSM-8	Golf Course Road and Kurtz Lane/Grantsdale Road	Reconstruct the intersection by re-aligning the minor street legs such that they are opposite each other.
TSM-9	Golf Course Road and Big Corral Road	Install a raised gore curb and gutter island on the north leg (i.e. Big Corral Road).
TSM-10	Golf Course Road and US Highway 93	Add a westbound right-turn lane to the intersection on the Golf Course Road leg.
TSM-11	Kurtz Lane and Marcus Street	Add a northbound left-turn bay on Kurtz Lane, directly opposite the existing southbound left-turn lane.
TSM-12	US Highway 93 and Adirondac Avenue/Fairgrounds Road	Add a northbound protected left-turn phase as traffic volumes grow
TSM-13	US Highway 93 Crossings	Trimming vegetation in and around the pedestrian crossing signs, replacing the signs, and flags.
TSM-14	State Street Traffic Calming	Install curb bulb-outs at the intersections of State Street and 2 <sup>nd</sup> Street, 3 <sup>rd</sup> Street and 4 <sup>th</sup> Street.
TSM-15	Riverside Cutoff and Old Corvallis Road Signing	Install a permanent barricade at this "tee" intersection on the east leg of the intersection.
TSM-16	US Highway 93 and Riverside Cutoff Signal Warrant Analysis	This intersection should be monitored every three years to see if traffic signal warrants may be met.
TSM-17	Hamilton Downtown Master Plan	Complete a <i>Downtown Master Plan</i> that includes a detailed parking component.
TSM-18	Eastside Highway and Black Lane/Bass Lane	Reconstruct the intersection to provide designated left-turn bays for both the north and south legs.
TSM-19	Eastside Highway and Hamilton Heights Road	Grade back the steep back slopes on the northeast and south east quadrants of the intersection. Install a southbound left-turn lane at the intersection.
TSM-20	Eastside Highway and Mint View	Install a southbound left-turn lane at the intersection.
TSM-21	Community Transit Perception Survey	Engage and query the community about the role public transit may have in the community as the area grows.
TSM-22	US 93 Signal Interconnect	Construct hard wire or a telemetry interconnect system between the five traffic signals of US Highway 93 and the intersecting roads
TSM-23	US 93 and Blood Lane Signal Warrant Analysis	This intersection should be monitored every three years to see if traffic signal warrants may be met.
TSM-24	Hamilton Stop Sign Removals	Remove identified stop signs in accordance with MUTCD procedures.



**Figure 5-3**  
 Transportation System Management  
 (TSM) Recommendations





# Non-Motorized Network Recommendations

- ◆ Focuses on bicycles
- ◆ Strives to connect destinations and promote both local-and thru-travel movements
- ◆ Incorporates results of non-motorized workshop held on the project
- ◆ Grounded in reality, and acknowledges implementation hurdles
- ◆ Includes bicycle lanes, shared-use paths, widened shoulders, and share-the-road signage
- ◆ First attempt at a non-motorized network in the community!
- ◆ See graphics

# Non-Motorized Network Recommendations

## Recommended Bicycle Lanes:

Street	From	To	Notes
Fairgrounds Road	Old Corvallis Road	Freeze Lane	Install on-street bicycle lanes on both sides of Fairgrounds Road when the roadway project is developed
Old Corvallis Road	Fairgrounds Road	Glaxo Smith Kline (GSK) eastern property line	Install on-street bicycle lanes on both sides of Old Corvallis Road when the roadway project is developed
4 <sup>th</sup> Street	Adirondac Avenue	Grove Street	Install on-street bicycle lanes on both sides of 4 <sup>th</sup> Street, with appropriate signage
Golf Course Road	US Highway 93	Big Corral Road	Install on-street bicycle lanes on both sides of Golf Course Road, with appropriate signage
Marcus Street	US Highway 93	Big Corral Road	Install on-street bicycle lanes on both sides of Marcus Street, with appropriate signage
Skeels Avenue	Marcus Street	Fox Field Street	Install on-street bicycle lanes on both sides of Skeels Avenue, with appropriate signage
West Main Street	North 4 <sup>th</sup> Street	US Highway 93	Install on-street bicycle lanes on both sides of West Main Street, with appropriate signage

## Recommended Shared-Use Paths:

Street / Route	From	To	Notes
River Trail	Park	Anglers Roost	This potential shared-use path is a very long-term vision for a recreational path along the Bitterroot River. There will be several hurdles to development of the entire path, the primary of which is private land ownership at various locations along the route. However from a planning perspective, it is important to identify this amenity for the community and begin the dialogue on how to begin implementation of this potential community asset.
Skeels Avenue	Foxfield Street	Fairgrounds Road	Install shared-use path either prior to or along with the Skeels Avenue extension.
MRL Right-of-Way	Fairgrounds Road	Golf Course Road	Install shared-use path along the existing right-of-way associated with the Montana Rail Link (MRL) right-of-way. There will be several hurdles to this path, the primary of which is MRL actively uses this right-of-way. However as market conditions change and the rail track uses may change, the City should begin the dialogue with MRL on how to begin implementation of this potential community asset.

# Non-Motorized Network Recommendations

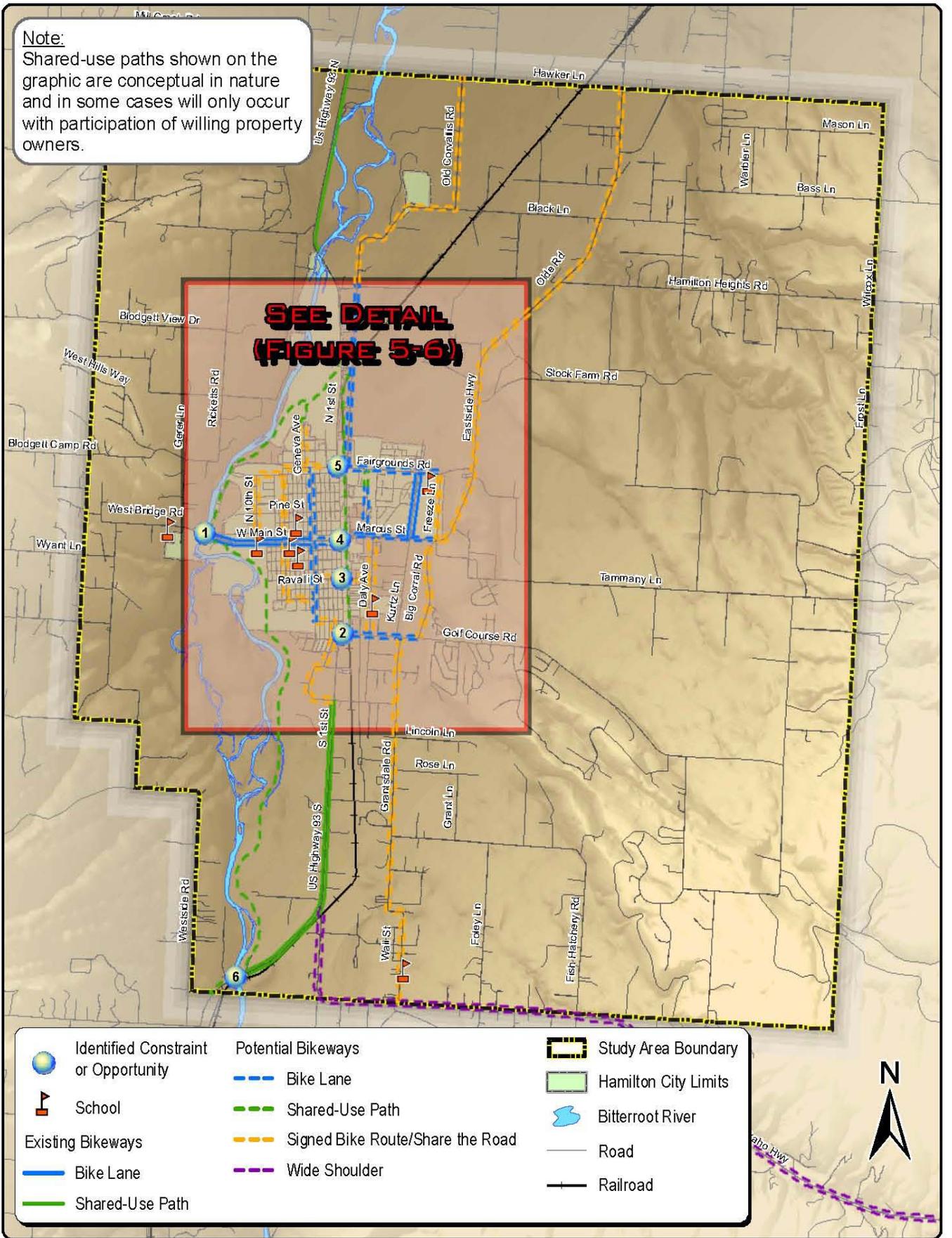
## Suggested Shared Roadways:

Street	From	To	Notes
Old Corvallis Road	Riverside Cutoff	Hawker Lane	This roadway segment should be signed as a "share-the-road" facility
Eastside Highway	Hawker Lane	Big Corral Road	This roadway segment should be signed as a "share-the-road" facility
Big Corral Road	Golf Course Road	Marcus Street	This roadway segment should be signed as a "share-the-road" facility
Daly Avenue	Golf Course Road	Marcus Street	This roadway segment should be signed as a "share-the-road" facility
Ravalli Street	4 <sup>th</sup> Street	Daly Avenue	This roadway segment should be signed as a "share-the-road" facility
North 7 <sup>th</sup> Street	Adirondac Avenue	Desta Street	This roadway segment should be signed as a "share-the-road" facility
North 10 <sup>th</sup> Street	West Main Street	New York Avenue	This roadway segment should be signed as a "share-the-road" facility
New York Avenue	North 7 <sup>th</sup> Street	North 10 <sup>th</sup> Street	This roadway segment should be signed as a "share-the-road" facility
Desta Street	North 7 <sup>th</sup> Street	US Highway 93	This roadway segment should be signed as a "share-the-road" facility
Grove Street	South 2 <sup>nd</sup> Street	South 4 <sup>th</sup> Street	This roadway segment should be signed as a "share-the-road" facility
South 2 <sup>nd</sup> Street	Grove Street	Shady Lane	This roadway segment should be signed as a "share-the-road" facility
Shady Lane/Nicol Lane Loop	South 2 <sup>nd</sup> Street	US Highway 93 (South)	This roadway segment should be signed as a "share-the-road" facility
Geneva Avenue	City Park	Adirondac Avenue	This roadway segment should be signed as a "share-the-road" facility
Grantsdale Road	Golf Course Road	Skalkaho Highway	This roadway segment should be signed as a "share-the-road" facility
Westside Highway	West Bridge Road	US Highway 93 (South)	This roadway segment should be signed as a "share-the-road" facility

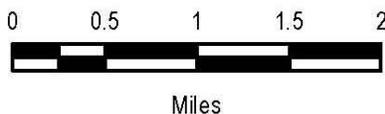
## Recommended Expanded Shoulder (Minimum of 4-feet):

Street	From	To	Notes
Skalkaho Highway	US Highway 93	Arena Road	Narrow roadway with no shoulders - popular touring route

**Note:**  
 Shared-use paths shown on the graphic are conceptual in nature and in some cases will only occur with participation of willing property owners.

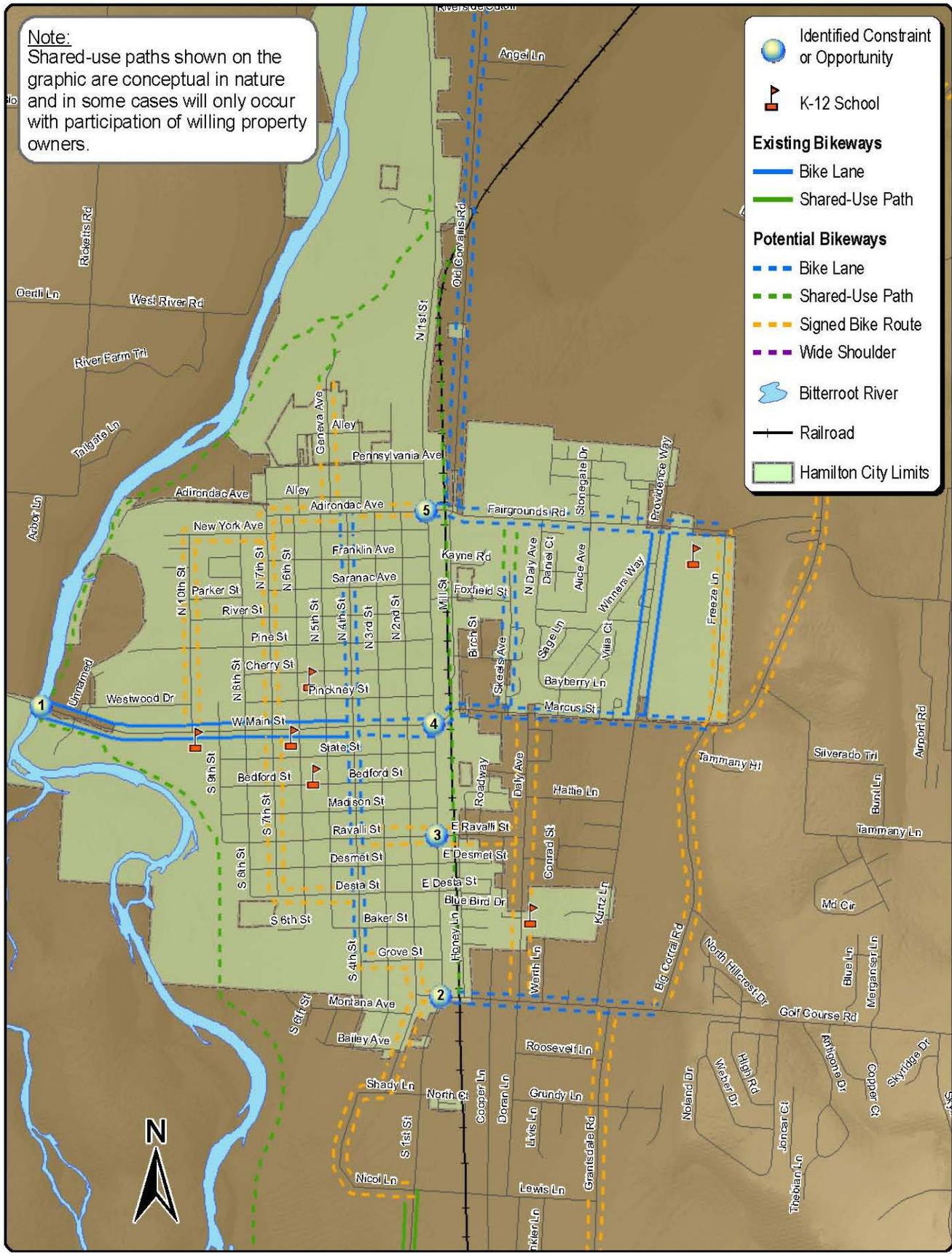


**Figure 5-5**  
 Non-Motorized Network

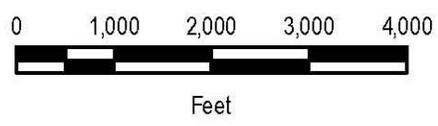


**Note:**  
Shared-use paths shown on the graphic are conceptual in nature and in some cases will only occur with participation of willing property owners.

-  Identified Constraint or Opportunity
-  K-12 School
- Existing Bikeways**
  -  Bike Lane
  -  Shared-Use Path
- Potential Bikeways**
  -  Bike Lane
  -  Shared-Use Path
  -  Signed Bike Route
  -  Wide Shoulder
-  Bitterroot River
-  Railroad
-  Hamilton City Limits



**Figure 5-6**  
Non-Motorized Network  
Inset Area



# **Policy and Procedures Guidance**

- ◆ **Level of service standards**
- ◆ **Stop sign installation and use**
- ◆ **Corridor preservation measures**
- ◆ **Access management guidance**
- ◆ **Non-motorized design guidelines**
- ◆ **Implementation suggestions / “inter-local” agreement language**

# Next Steps

- ◆ Hold last TAC and CAC meetings
  - ◆ January 11, 2010
- ◆ Complete “Public Draft” document for distribution
  - ◆ January 29, 2010
- ◆ Hold public hearings to consider transportation plan adoption
  - ◆ Ravalli County Commission
  - ◆ Hamilton City Council
    - ◆ Mid-to-Late February, 2010

# Conclusion & Questions

◆ Thank you!

<http://www.mdt.mt.gov/pubinvolve/hamilton/>



**CDM Helena, ATTN: Jeff Key, P.E.**

**[keyja@cdm.com](mailto:keyja@cdm.com)**

**50 West 14<sup>th</sup> Street, 2<sup>nd</sup> Floor**

**Helena, Montana 59601**

**Tel: 406-441-1400 Fax: 406-449-7725**