

# CDM

## Hamilton Area Transportation Plan (2009 Update)

### Planning Area Workshop

*March 4, 2009*



# Opening Remarks / Introduction

- ◆ **Introductions**
- ◆ **Project partners**
  - ◆ **City of Hamilton**
  - ◆ **Ravalli County**
  - ◆ **Montana Department of Transportation**
- ◆ **Outline of presentation**
  - ◆ **Transportation planning 101**
  - ◆ **Preliminary study area boundary**
  - ◆ **Transportation/land use relationship**
  - ◆ **Travel demand modeling**
  - ◆ **Next steps in Transportation Plan**



# Transportation Planning 101

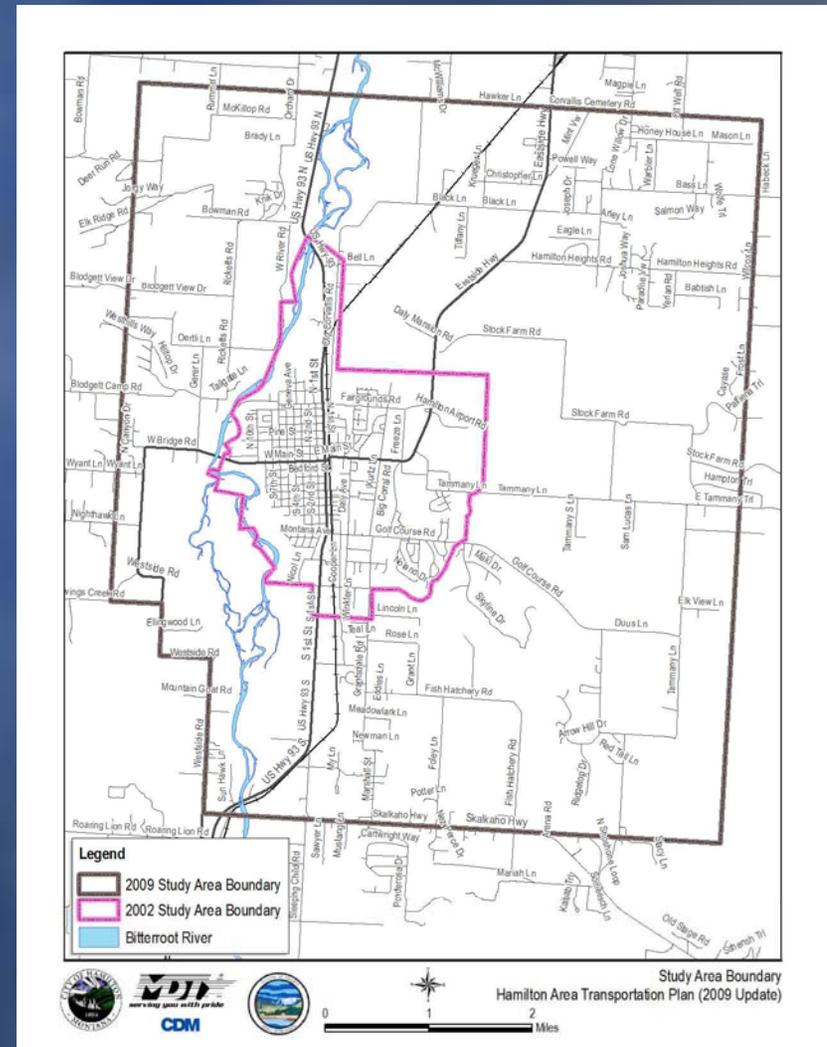
- ◆ **General overview**
- ◆ **Traditional methodology**
  - ***Inventory* the conditions and characteristics of the existing transportation system.**
  - ***Analyze* inventoried data to determine the relationships that affect development, transportation demand, and transportation system usage.**
  - ***Forecast* the future development patterns and the associated travel demand, supply, and performance of the transportation system.**
  - ***Evaluate* the forecasts to decide the best transportation improvements.**

# Transportation Planning 101

- ◆ **Transportation Demand Management (TDM) strategies**
- ◆ **Alternative travel modes**
  - ◆ **Bicycle/pedestrian/transit**
- ◆ **Traffic calming measures**
- ◆ **Corridor preservation and access management guidelines**
- ◆ **Impact fee study support**

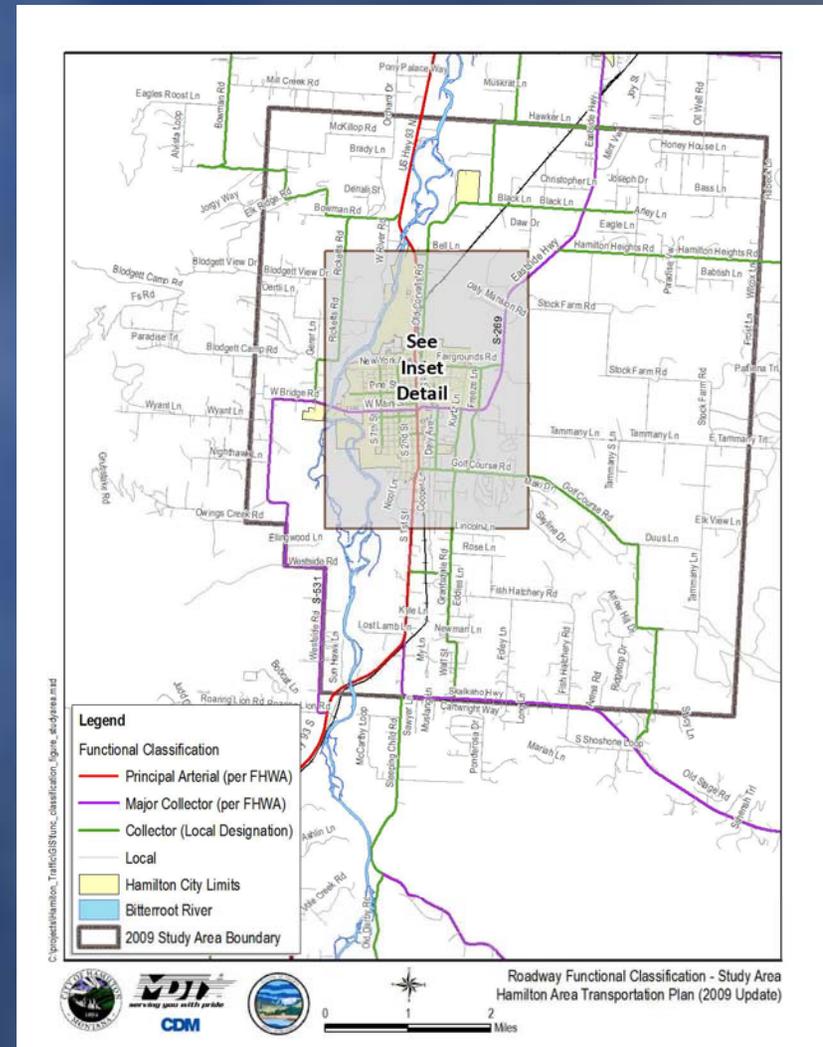
# Preliminary Study Area Boundary

- ◆ Much larger than 2002 Transportation Plan
- ◆ Includes unincorporated lands outside of city limits
- ◆ Complements Growth Policy Update and Water Facilities Plan study area boundary



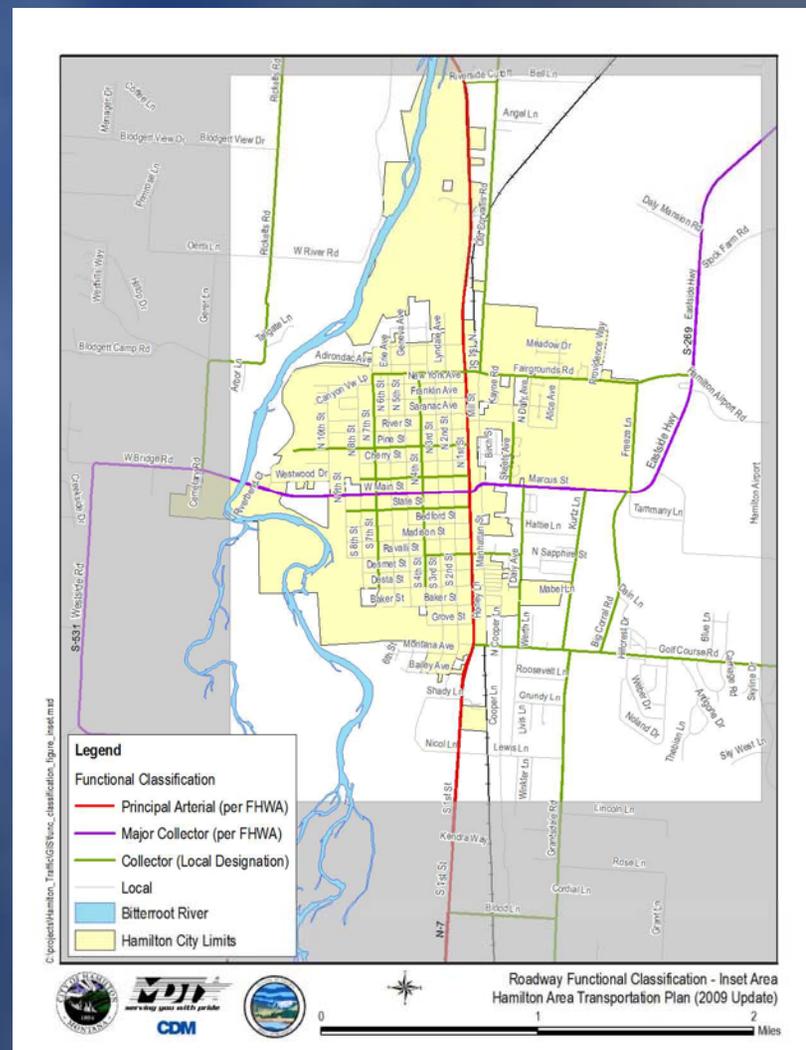
# Roadways Being Studied

- ◆ Existing Roadways
  - ◆ Higher classifications (collectors, minor arterials, principal arterials)
  - ◆ Some local roadways
- ◆ New Roadways/Corridors
  - ◆ New east/west routes?
  - ◆ New north/south routes?



# Intersections Being Studied

- ◆ Major Intersections
  - ◆ All signaled intersections
  - ◆ Select un-signalized intersections

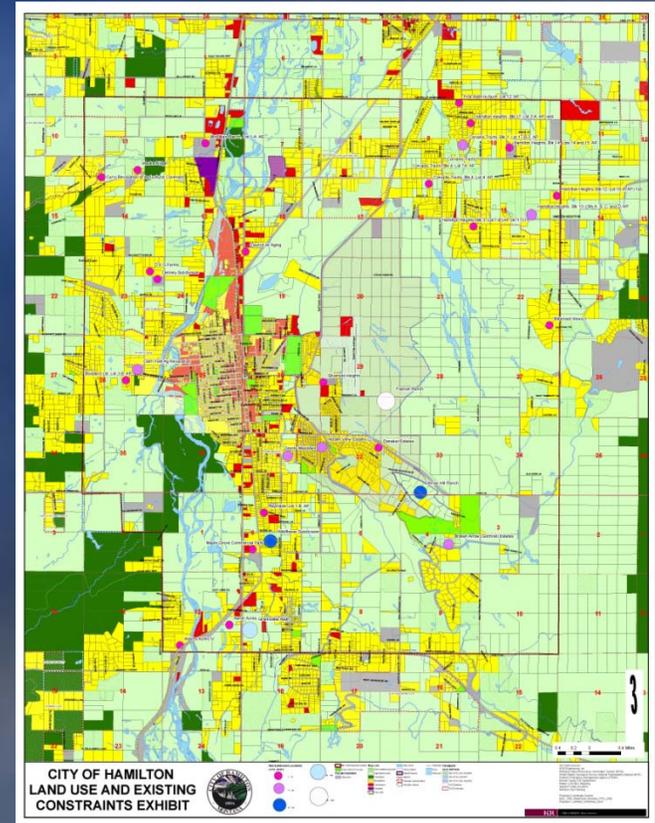


# Transportation/Land Use Relationship

- ◆ Land use can be a major factor in roadway planning & design
- ◆ Land use can influence:
  - ◆ Travel demand
  - ◆ Activity in roadway prism
  - ◆ Bicycle/pedestrian/transit usage
  - ◆ Travel speeds
  - ◆ Ingress & egress along a corridor
- ◆ Concept of “induced demand”

# Transportation/Land Use Relationship

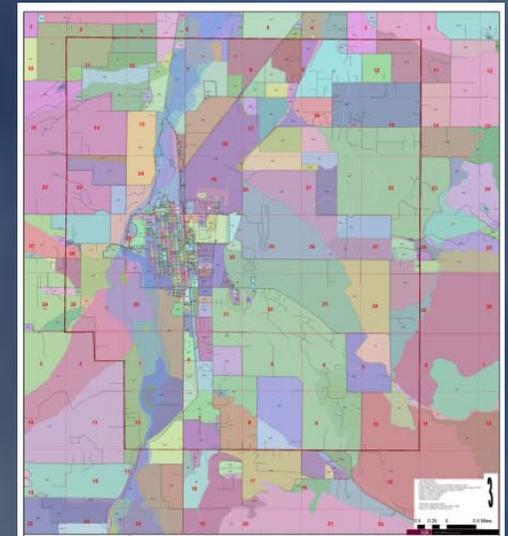
- ◆ Want to plan for the future transportation system
- ◆ Requires an attempt to forecast future land use patterns
- ◆ Not an exact science, but.....
  - ◆ Known constraints, opportunities and community preferences can assist in this effort
- ◆ This does not mean that the Transportation Plan becomes a de-facto land use plan!



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# Travel Demand Modeling

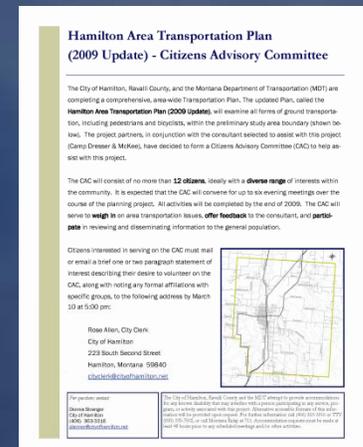
- ◆ We use a travel demand model (Transcad) to look out to the planning horizon (year 2030)
- ◆ Inputs into the model, by census block, are:
  - ◆ Dwelling units
  - ◆ Retail jobs
  - ◆ Non-retail jobs
- ◆ Significant outputs of the model are:
  - ◆ Future year traffic volumes
  - ◆ Future year volume-to-capacity ratios
- ◆ Allows us to identify future concerns and develop appropriate mitigation



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# Next Steps

- ◆ Transportation Plan is just getting started!
- ◆ City of Hamilton is creating:
  - ◆ Technical Advisory Committee (TAC)
  - ◆ Citizens Advisory Committee (CAC)
- ◆ Project schedule allows for Committee meetings to begin in April
- ◆ Numerous public outreach activities over the calendar year 2009
- ◆ Goal is to complete planning effort by end of 2009
- ◆ See schedule





# Conclusion

◆ Thank you!



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