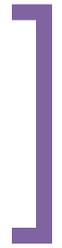


MT-1 West of Anaconda to Georgetown Lake

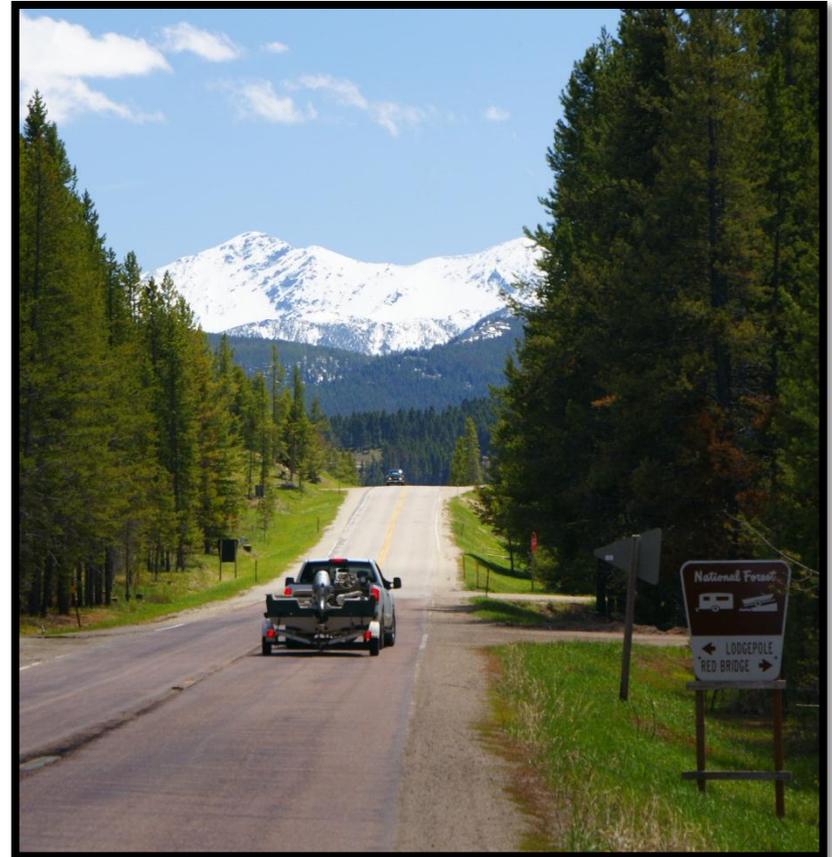
Corridor Planning Study

Community Informational Meeting No. 2
November 7th, 2011



[Introduction

- Introduction of local officials
- Partners
 - ADLC
 - MDT
 - FHWA
- Planning team members in attendance
- Consultant team

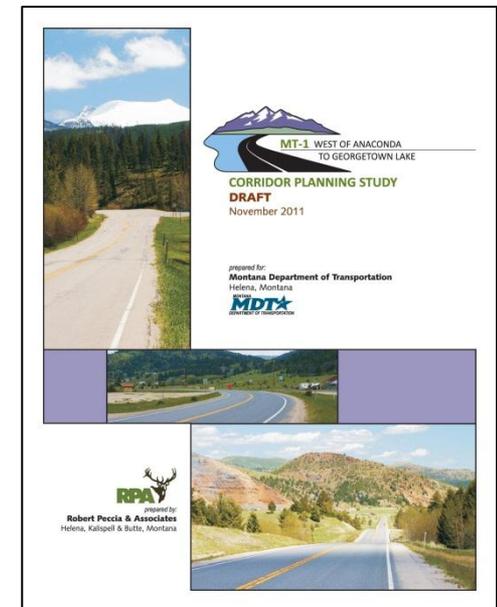


[Outline of Presentation]

- Draft Corridor Planning Study
- Planning Process
- Needs and Objectives
- Recommended Improvement Options
- Next Steps
- Funding Sources

Draft Corridor Planning Study

- Draft is available for review at:
 - MDT Statewide and Urban Planning (Helena, MT)
 - MDT Butte District Office (Butte, MT)
 - ADLC Planning Department (Anaconda, MT)
 - Online: www.mdt.mt.gov/pubinvolve/mt1



Deadline for comments is November 25th, 2011

[Planning Process]

- Environmental Scan
- Existing and Future Roadway Conditions
- Corridor Issues and Areas of Concern
- Consultation and Coordination
- Needs and Objectives
- Corridor Improvement Options
- Potential Funding Mechanisms

[Needs and Objectives]

Need #1

Improve Safety and Operation of MT-1 Through the Corridor Planning Study Area.

Objectives

- Improve geometric elements to meet current MDT design criteria.
- Accommodate existing and future capacity demands within the corridor.
- Minimize impacts caused by access density.
- Identify appropriate speeds within the study area.
- Provide adequate clear zones to meet current MDT design criteria.
- Review and implement innovative maintenance practices.

[Needs and Objectives]

Need #2

Preserve the Environmental, Scenic and Recreational Nature of the Corridor and Promote Wildlife and Aquatic Connectivity.

Objectives

- Preserve the scenic nature of the corridor with respect to view sheds and landscape features.
- Avoid and minimize the environmental resource impacts of improvement options.
- Evaluate and incorporate “best practice” mitigation strategies to promote wildlife connectivity across MT-1.
- Evaluate and incorporate “best practice” mitigation strategies to reduce animal-vehicle conflicts.
- Evaluate fish (aquatic organism) passage issues and incorporate appropriate solutions to improve aquatic connectivity and stream function through structures and culverts.

[Needs and Objectives]

Need #3

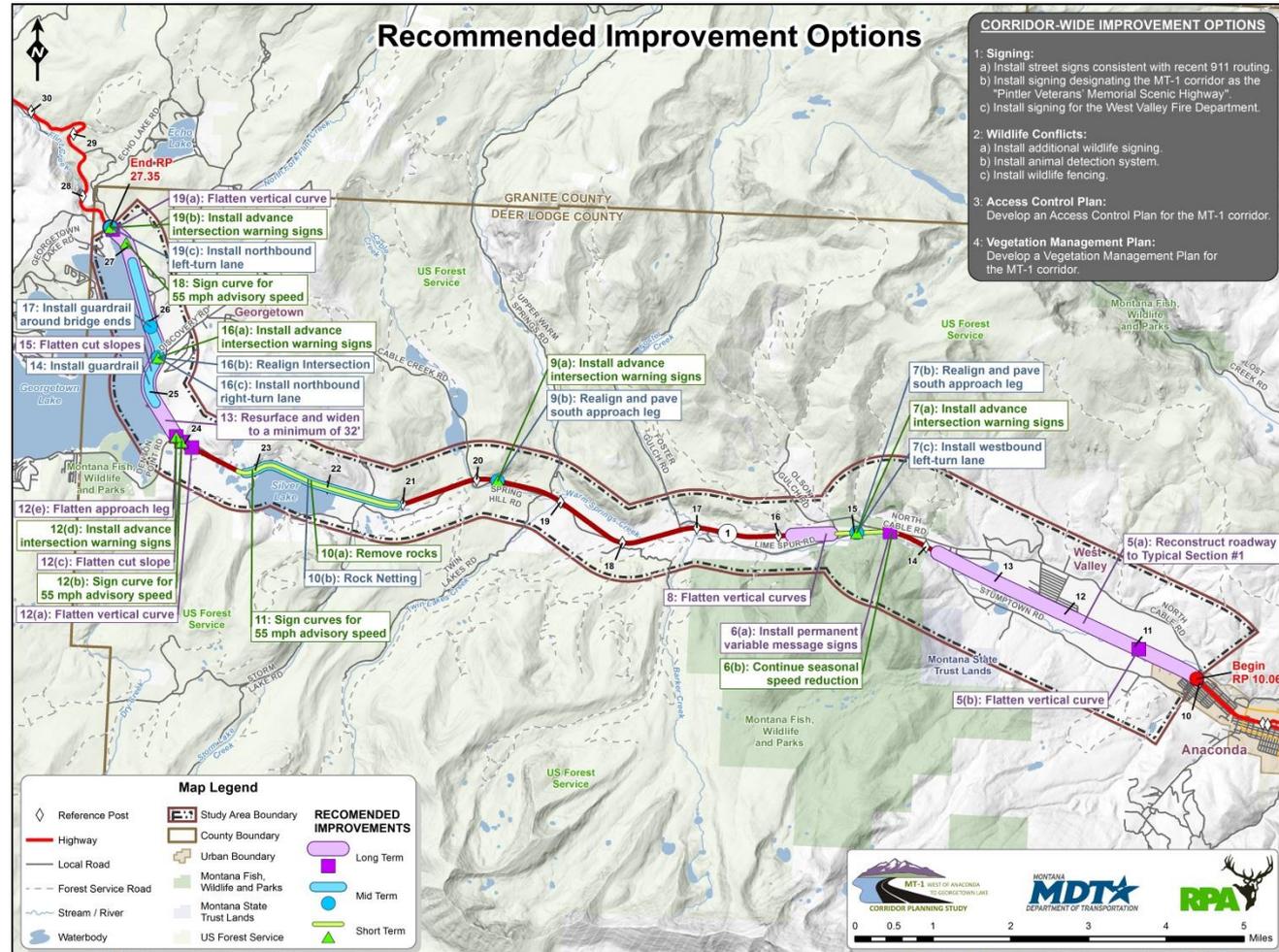
Coordinate with Local Planning Efforts and Minimize Conflicts Along the Corridor.

Objectives

- Coordinate future infrastructure needs with ADLC.
- Support local planning efforts.
- Minimize impacts to existing residences and businesses along the corridor.
- Consider all modes of transportation.

Recommended Improvements

- 15 Short-Term
- 12 Mid-Term
- 10 Long-Term



Recommended Improvements (Short-Term)

ID	NAME	LOCATION	IMPROVEMENT OPTION	ESTIMATED COST
1(a)	Street Signing	Corridor-Wide	Install street signs consistent with recent 911 routing.	\$500 EA
1(b)	Scenic Highway Designation	Corridor-Wide	Install signing designating the MT-1 corridor as the "Pintler Veterans' Memorial Scenic Highway".	\$750 EA
1(c)	Fire Department Signing	Corridor-Wide	Install signing for the West Valley Fire Department	\$500 EA
2(a)	Wildlife Signing	Corridor-Wide	Install signing warning of potential wildlife conflicts.	\$500 EA
4	Vegetation Management Plan	Corridor-Wide	Prepare Vegetative Management Plan	\$40,000
6(b)	Seasonal Speed Reduction	14.3 - 15.3	Continue seasonal speed reduction	LABOR
7(a)	Lime Spur Road Intersection - Advance Warning Signs	15	Install advance intersection warning signs	\$500 EA
9(a)	Spring Hill Road Intersection - Advance Warning Signs	19.9	Install advance intersection warning signs	\$500 EA
10(a)	Rockfall Maintenance	21.1 - 23.1	Increase maintenance efforts to remove and clear rocks within the roadside clear zone.	LABOR
11	Horizontal Curve Signing	22.9 - 23.2	Sign curve for 55 mph advisory speed	\$500 EA
12(b)	Horizontal Curve Signing	24	Sign curve for 55 mph advisory speed	\$500 EA
12(d)	Denton Point Road Intersection - Advance Warning Signs	24.2	Install advance intersection warning signs	\$500 EA
16(a)	Discovery Road Intersection - Advance Warning Signs	25.5	Install advance intersection warning signs	\$500 EA
18	Horizontal Curve Signing	27.1	Sign curve for 55 mph advisory speed	\$500 EA
19(b)	Georgetown Lake Road Intersection - Advance Warning Signs	27.35	Install advance intersection warning signs	\$500 EA

Recommended Improvements

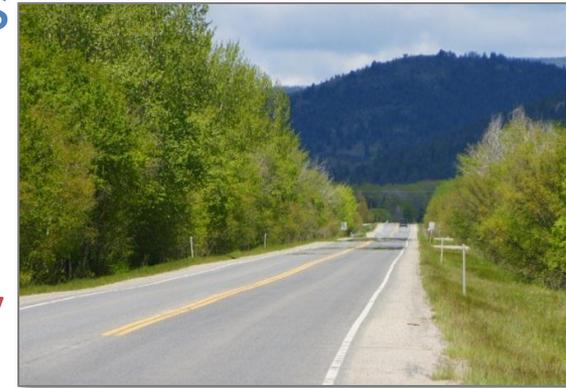
1(a) & 1(b) – Street and Scenic Highway Signing

- Corridor-wide recommendation
- Install street signs consistent with 911 routing
 - Improved 911 response times
 - Improved safety
 - No impacts identified
- Install scenic highway signing

Recommended Improvements

4 – Vegetation Management Plan

- Corridor-wide recommendation
- Develop a *Vegetation Management Plan* for the corridor
 - Increased roadside clear zones
 - Improved sight distances
 - Potential impacts to wildlife & aquatic habitat/connectivity



Recommended Improvements (Mid-Term)

ID	NAME	LOCATION	IMPROVEMENT OPTION	ESTIMATED COST
2(b)	Animal Detection System	Corridor-Wide	Install animal detection system	\$400,000
2(c)	Wildlife Fencing	Corridor-Wide	Install wildlife fencing	\$600,000
3	Access Control Plan	Corridor-Wide	Develop an Access Control Plan for the MT-1 corridor.	\$75,000
7(b)	Lime Spur Road Intersection - Realignment	15	Realign and pave south approach leg	\$50,000
7(c)	Lime Spur Road Intersection - Left-Turn Lane	15	Install westbound left-turn lane	\$100,000
9(b)	Spring Hill Road Intersection - Realignment	19.9	Realign and pave south approach leg	\$100,000
10(b)	Rock Fall Protection Netting	21.1 - 23.1	Rock Netting	\$400,000
14	Guardrail	24.8 - 26.8	Install guardrail	\$200,000
16(b)	Discovery Road Intersection - Realignment	25.5	Realign Intersection	\$50,000
16(c)	Discovery Road Intersection - Right-Turn Lane	25.5	Install northbound right-turn lane	\$100,000
17	Concrete Bridge Ends	25.9	Install guardrail around bridge ends	\$25,000
19(c)	Georgetown Lake Road Intersection - Left-Turn Lane	27.35	Install northbound left-turn lane	\$100,000

Recommended Improvements

2(b) - Animal Detection System

- Corridor-wide recommendation
- Install animal detection systems
 - Increased driver awareness
 - Reduced animal-vehicle collisions
 - Doesn't change animal behavior



Recommended Improvements

7(c) - Lime Spur Road Intersection

- Install a westbound left-turn on MT-1 at Lime Spur Road
 - Improved safety
 - Requires minimal roadway reconstruction along MT-1
 - Additional right-of-way may be needed

Recommended Improvements

16(c) - Discovery Road Intersection

- Install a northbound right-turn lane on MT-1 at Discovery Road
 - Improved safety
 - Requires minimal roadway reconstruction along MT-1
 - Potential slope issues along the edge of roadway

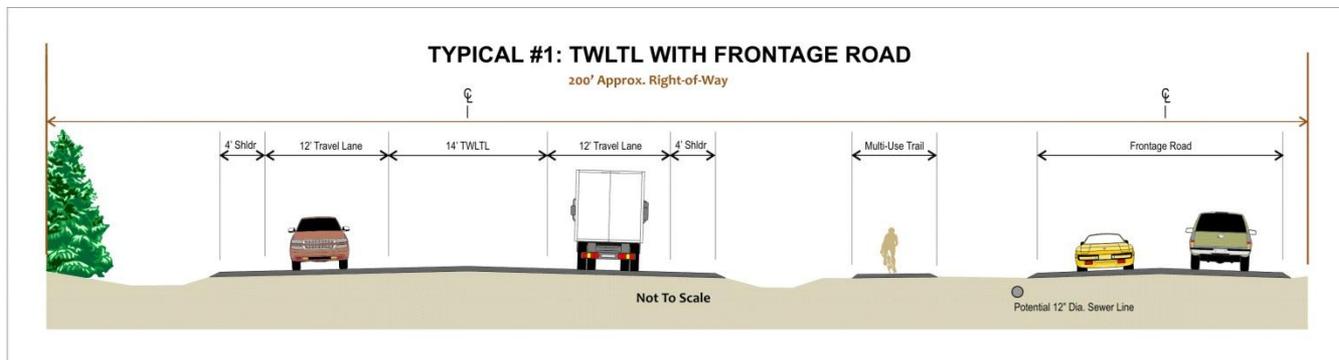
Recommended Improvements (Long-Term)

ID	NAME	LOCATION	IMPROVEMENT OPTION	ESTIMATED COST
5(a)	Urban Interface - Typical Section #1	10.06 - 13.8	Reconstruct roadway to incorporate a TWLTL, frontage road, and multi-use path	\$9,500,000
5(b)	Vertical Curve Flattening	10.9	Flatten vertical curve	\$25,000
6(a)	At-Grade Wildlife Crossing and Signage	14.5	Install permanent variable message signs	\$100,000 EA
8	Vertical Curve Flattening	15.3 - 15.8	Flatten vertical curves	\$375,000
12(a)	Vertical Curve Flattening	23.9	Flatten vertical curve	\$125,000
12(c)	Flatten Cut Slopes	24	Flatten cut slope	\$50,000
12(e)	Denton Point Road Intersection - Flatten Approach	24.2	Flatten approach leg	\$50,000
13	Roadway Widening	24.2 - 27.35	Resurface and widen to a minimum of 32'	\$3,750,000
15	Flatten Cut Slopes	25.0 - 25.3	Flatten cut slopes	\$50,000
19(a)	Vertical Curve Flattening	27.3	Flatten vertical curve	\$125,000

Recommended Improvements

5(a) – Urban Interface Typical Section

- Between RP 10.06 and RP 13.8
- Reconstruct to Typical Section #1 – TWLTL with Frontage Road
 - Center TWLTL to accommodate westbound and eastbound left turning traffic



Recommended Improvements

5(a) – Urban Interface Typical Section

- Typical Section (continued)
 - Future development of frontage road on north side
 - Potential consolidation and/or closure of numerous private approaches
 - Accommodates ADLC plans for wastewater facility extension
 - Accommodates ADLC plans for a multi-use trail

Recommended Improvements

5(a) – Urban Interface Typical Section

- Typical Section (continued)
 - Potential for right-turn lanes at major access points
 - Pedestrian signage and crossing opportunities
- After installation of TWLTL
 - Recommended 35 mph posted speed limit be increased to 45 mph (with appropriate transitions)

Recommended Improvements

5(a) – Urban Interface Typical Section

- Speed limit can only be raised by petition of the ADLC Commissioners to the Montana Transportation Commission
- Only if future improvements are in place
- Frontage road on the north side may not be necessary unless development occurs

Recommended Improvements

5(a) – Urban Interface Typical Section

■ Benefits

- Increased safety due to left-turning traffic being removed from the traffic stream
- Enhanced multi-modal accommodations
- Potential for reduction of approaches to reduce conflict points
- Increased speed limit correlates closer to driver expectation
- Reduction in speed variability

Recommended Improvements

5(a) – Urban Interface Typical Section

■ Potential Impacts

- Elimination or consolidation of approaches
- Construction activities may result in the removal of vegetation used by wildlife
- Potential wetland mitigation required
- 4(f) property present (BA&P Spur)

[Next Steps]

- Finalize Corridor Planning Study
 - December 2011
- Project(s) Development
 - Identify and secure a funding source(s)
 - Follow MDT guidelines for project nomination and development, including public involvement process and environmental documentation

[Eligible Funding Sources]

- Federal Funds
- State Funds
- Local Funds
- Private Funds

Comments on Draft Report

- Comments due in writing by 5:00 pm on November 25

- Comments may be sent to:

Jeff Key, PE
Robert Peccia and Associates
825 Custer Avenue
Helena, MT 59604

Email: Jeff.Key@rpa-hln.com
Tel: (406) 447-5000
Fax: (406) 447-5036

Carol Strizich
MDT Statewide & Planning Section
PO Box 201001
Helena, MT 59620-1001

Email: cstrizich@mt.gov
Tel: (406) 444-9240
Fax: (406) 444-7671

- Comments may be submitted online at:

www.mdt.mt.gov/mdt/comment_form.shtml

Conclusion

- Questions, Answers, and/or Comments?
 - Study Website: www.mdt.mt.gov/pubinvolve/mt1
 - Study Newsletters

