

*City of
Sidney*

Project Team

- City of Sidney
- Richland County
- Montana Department of Transportation
- Federal Highway Administration
- DOWL HKM

Project Development Process



Project History

- West and East Truck Routes proposed in 1983 County Transportation Plan as two-lane, minor arterials
- City officials contacted the state in 2007 to initiate a truck route study
- Assessment of existing conditions and future development
- Corridor Modeling – Quantm
- Public Meeting – May '08 (Initial Scoping Meeting)
- Stakeholder Committee Established – June '08
- Stakeholder Meetings – August and December '08
- Agency Meeting – December '08
- MDT-District Presentation to City Council – January '09
- Public Meeting – March '09 (Range of Alternatives)
- Stakeholder Meeting – June '09

Purpose of the Truck Route Study

- To assess the need for a truck route
- To gauge the level of public support for a truck route
- To identify potential corridors for a truck route
- To generate planning-level cost estimates
- To explore private/local/state/federal funding mechanisms and financial feasibility of a truck route

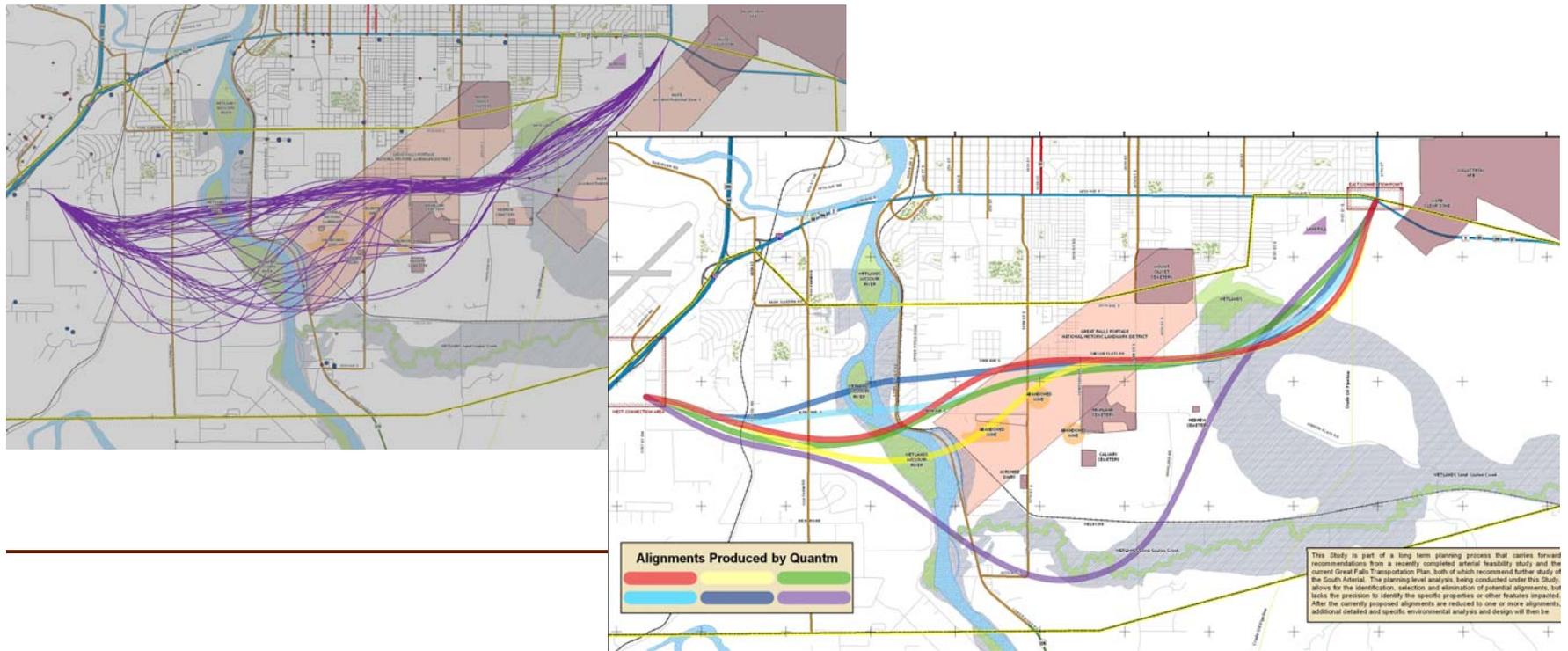
Public Scoping Meeting

We asked:

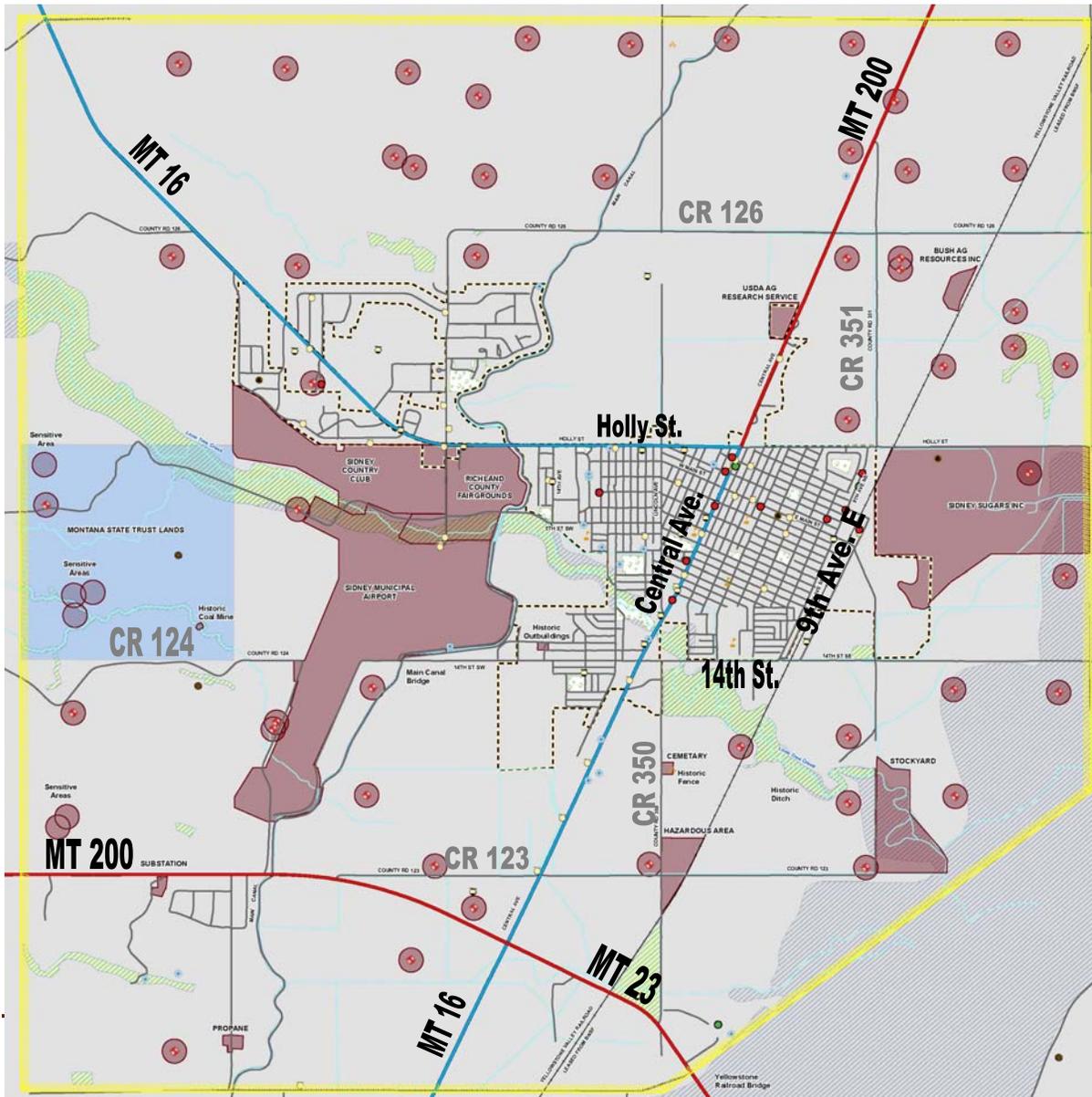
- Is a truck route around Sidney needed?
- What are the primary transportation needs for the truck route?
- What are the travel concerns?
- Are the travel concerns seasonal?
- What are the most logical termini?
- What are some major opportunities and constraints?

Quantm

- New corridor and route alignment planning tool
- Successfully used in other areas of the country, and on other MDT projects

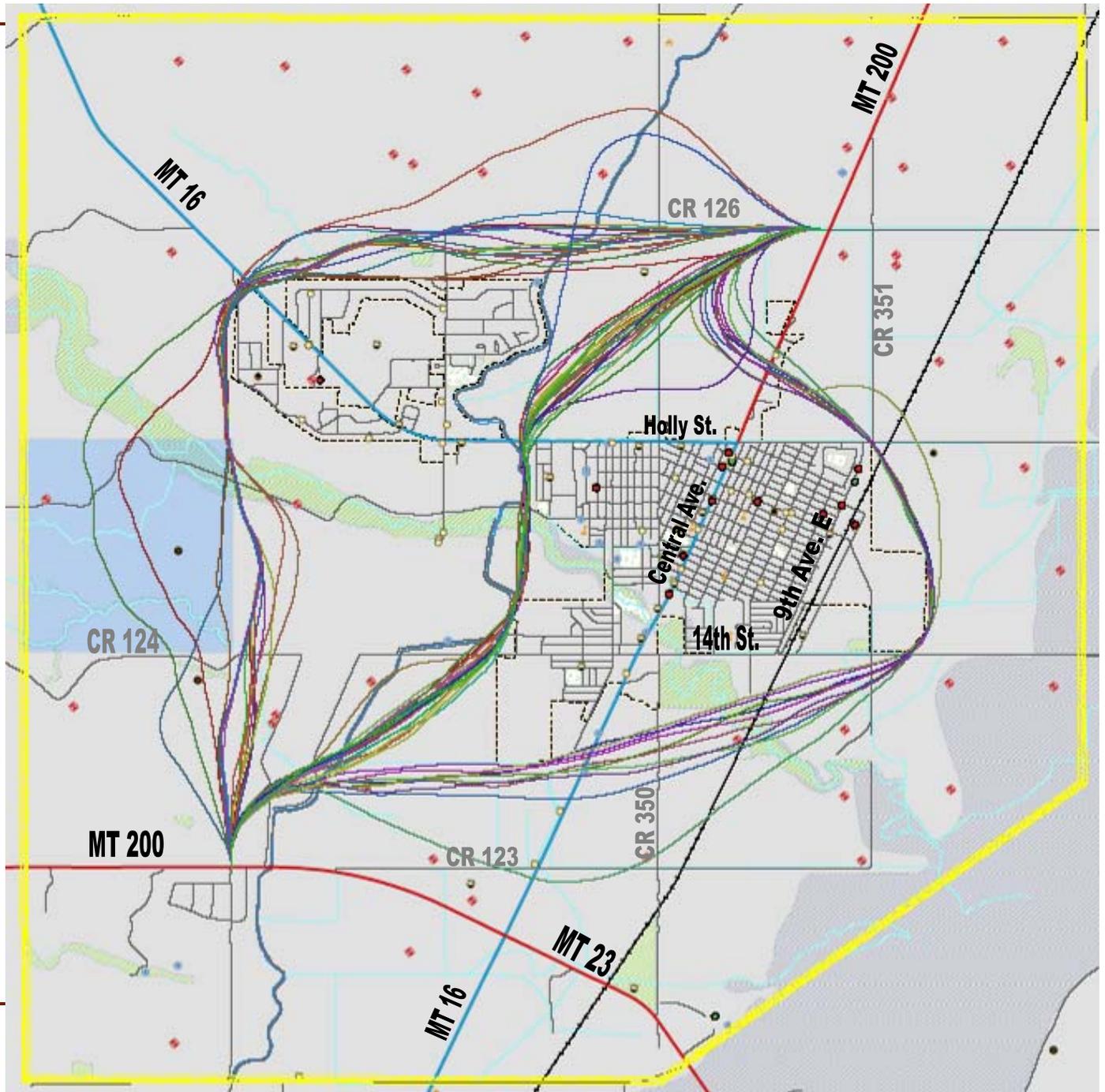


Environmental Constraints

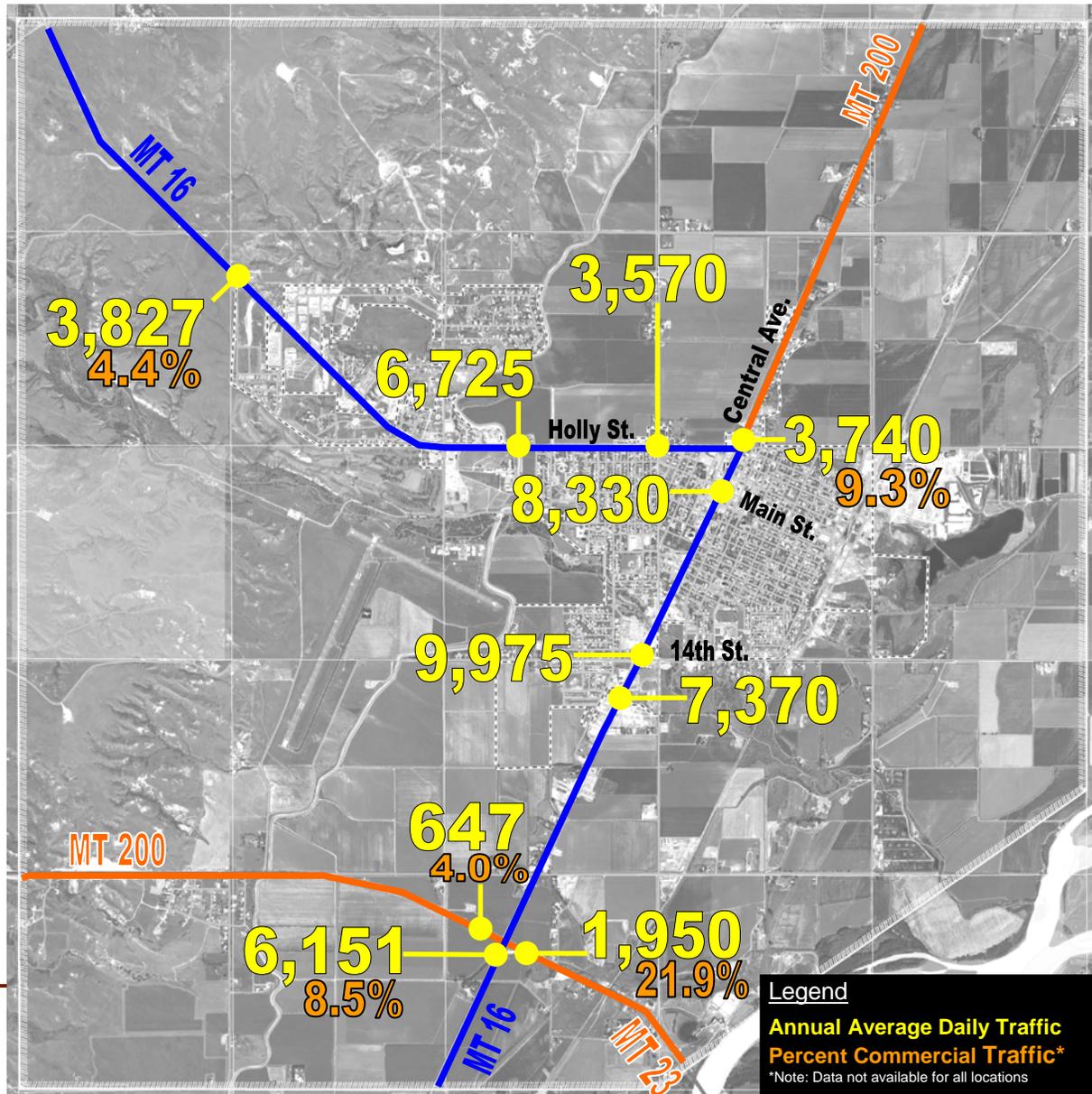


Legend		Possible Environmental Impacts	
	Study Area		Petroleum Tank Compensation Board Site
	City Boundary		Leaking Underground Storage Tank
	Avoid Area		Underground Storage Tank
	Sensitive Area		Abandoned Inactive Mine
	Wellheads		Remediation Response Site
	100-Year Flood Area		Public Water Supply
	Potential Wetland Area		
	Stream		
	Canal/Ditch		
	Montana State Trust Lands		
	Park		
	Cemetery		
	School		

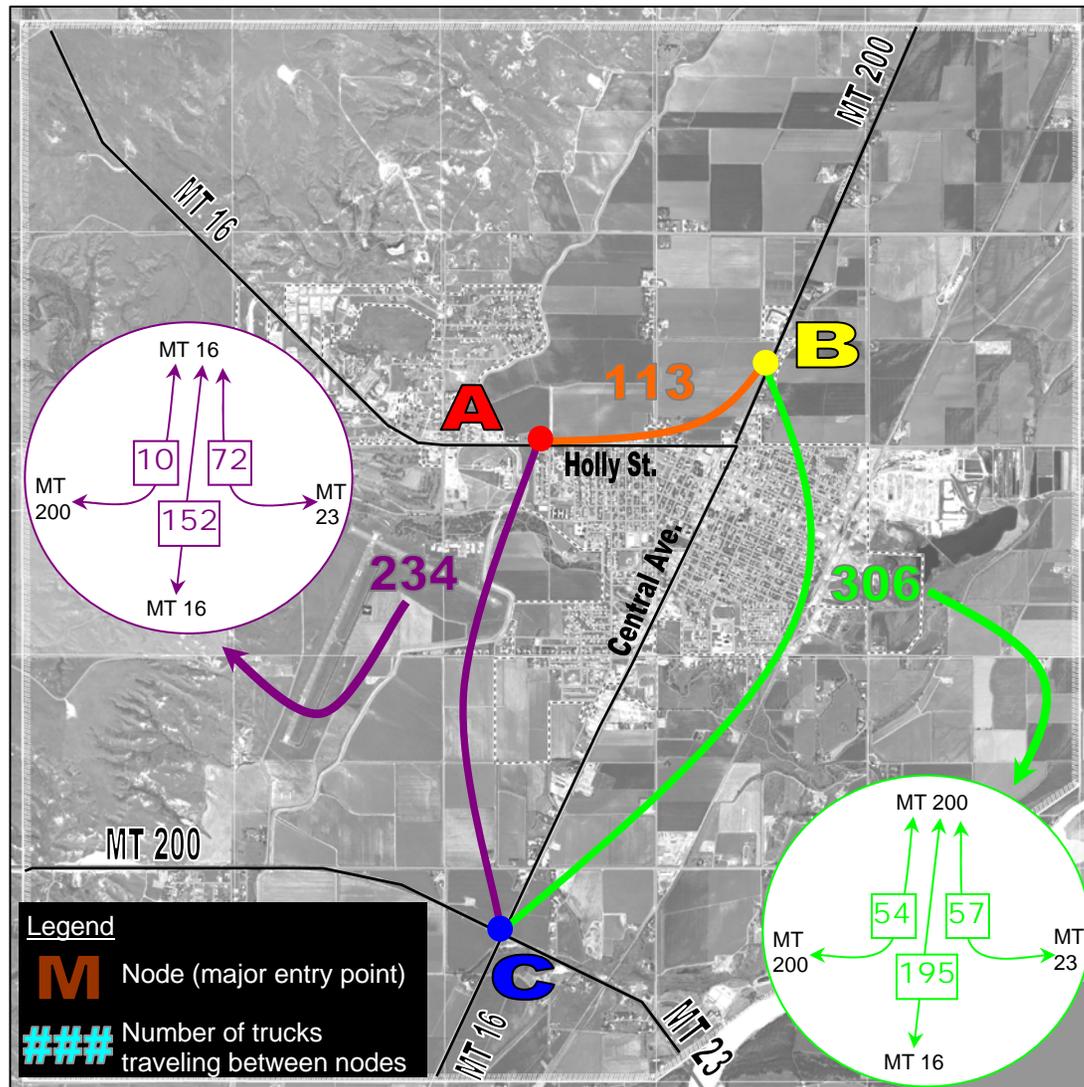
Proposed
Sidney
Truck
Route
Study
Area &
Potential
Corridors



2008 Traffic Volumes



Truck Traffic Patterns

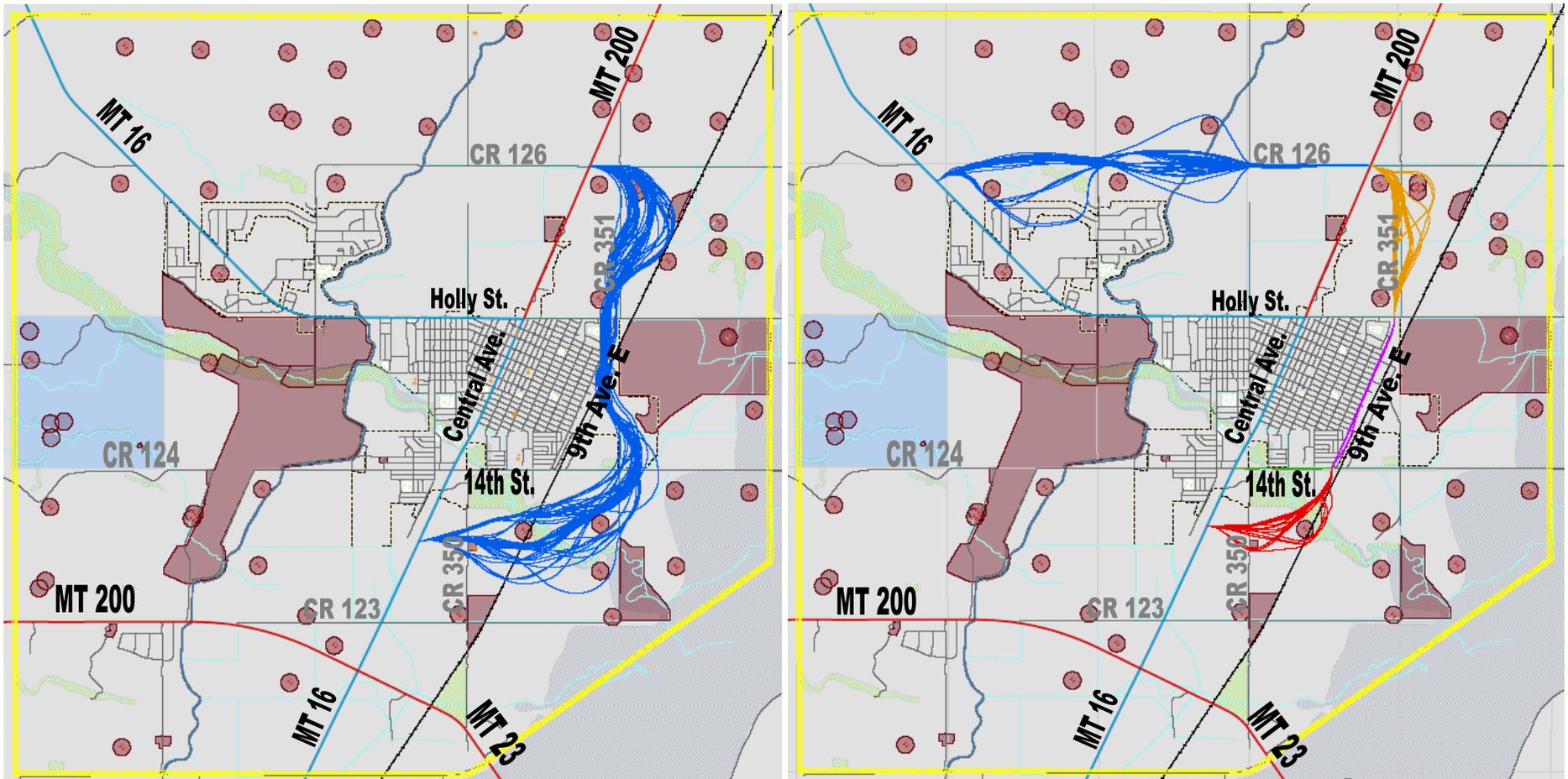


Second Public Meeting

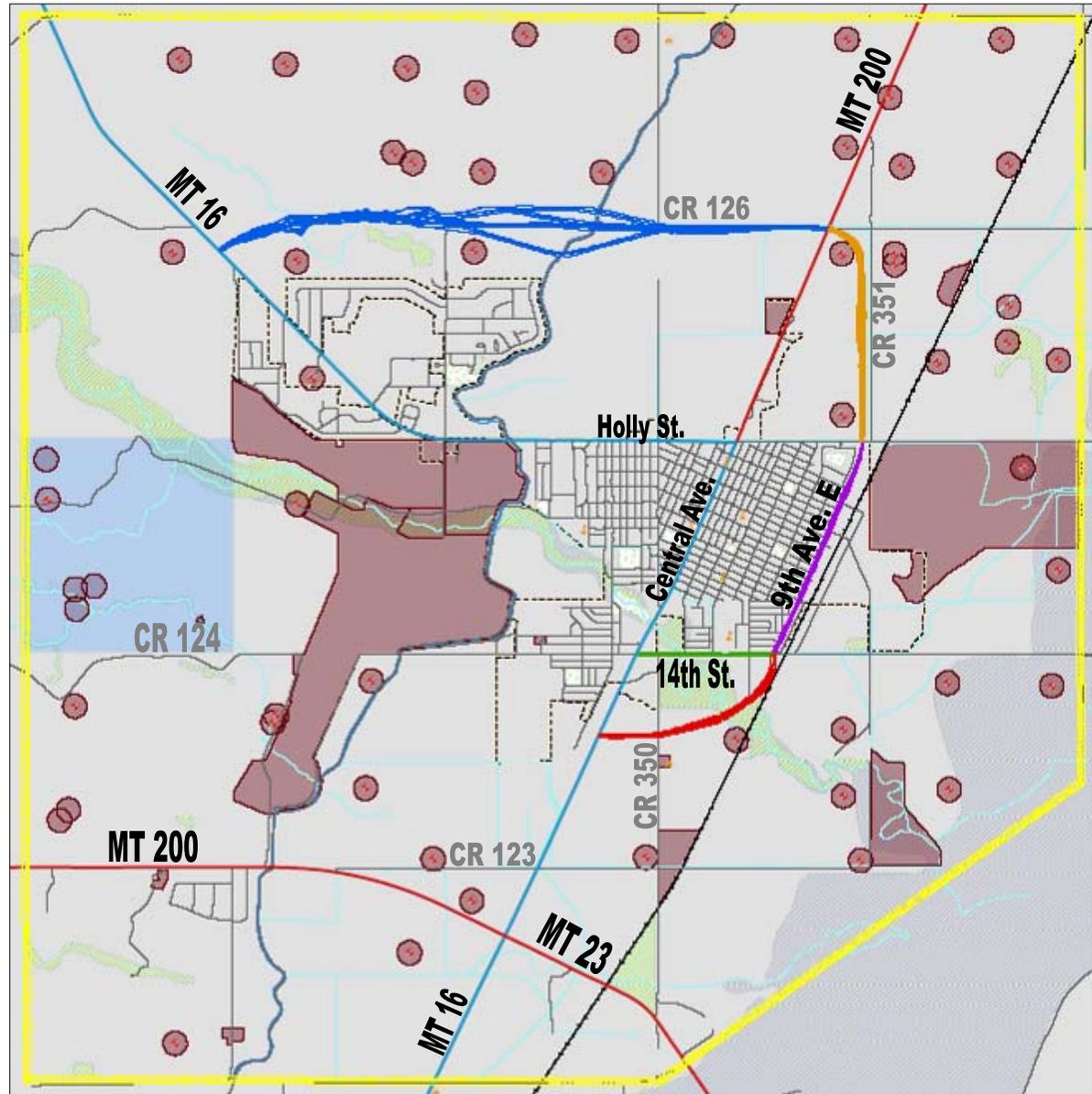
Intent was to discuss corridor opportunities and screening process aiming to:

- Minimize truck volume impacts on existing roadway network
- Minimize cost
- Minimize impacts
- Avoid environmentally sensitive areas

Multiple Alignments

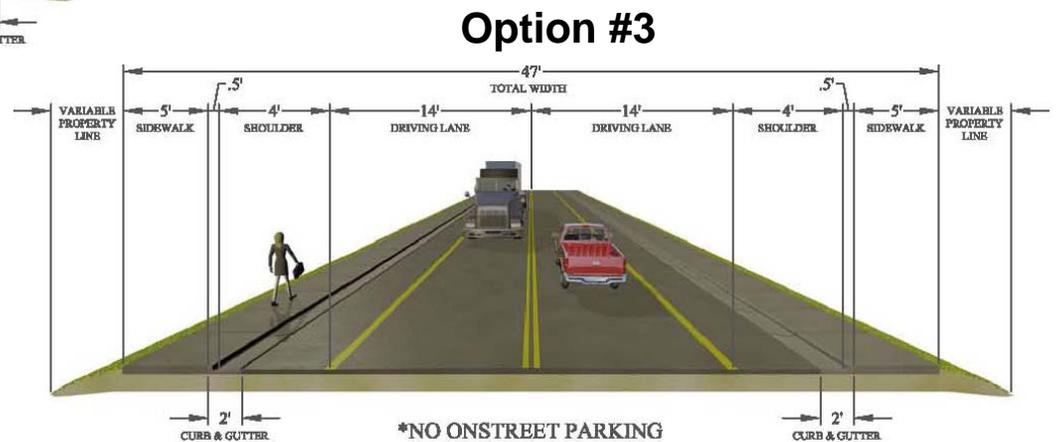
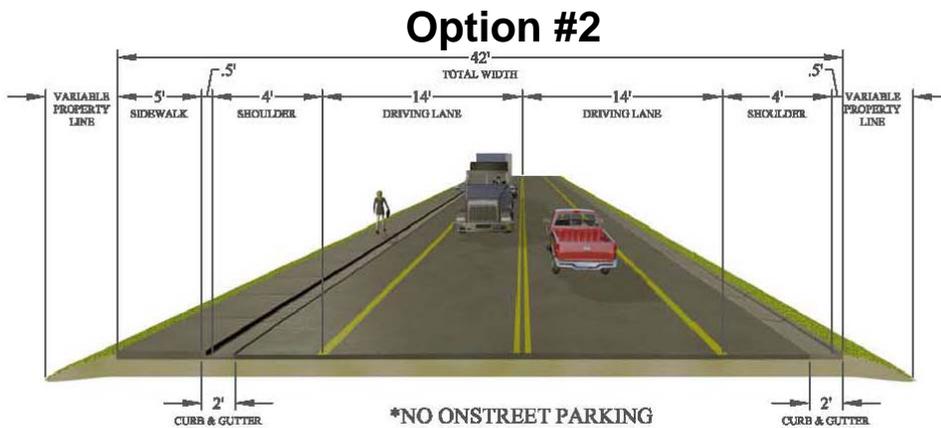


Selected Alignments



Urban Typical Section

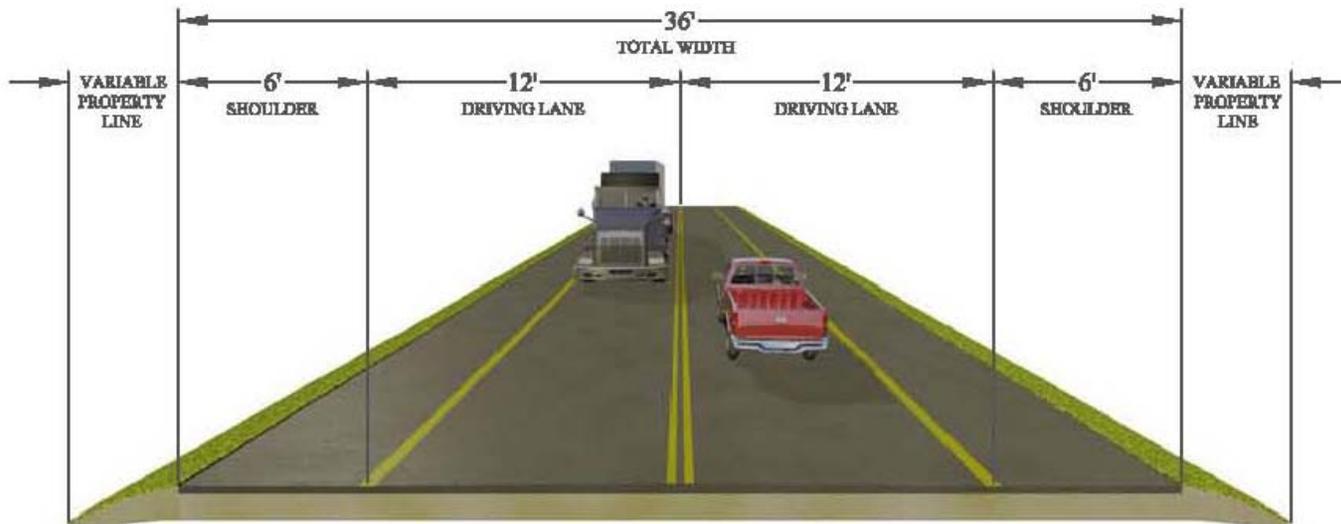
- Started with 12 Urban Typical Sections



Note: All views oriented looking easterly on 14th Street SE and northerly on 9th Avenue SE

Rural Typical Section

- Match Existing MT16 from Sidney to Culbertson



Cost and Impacts

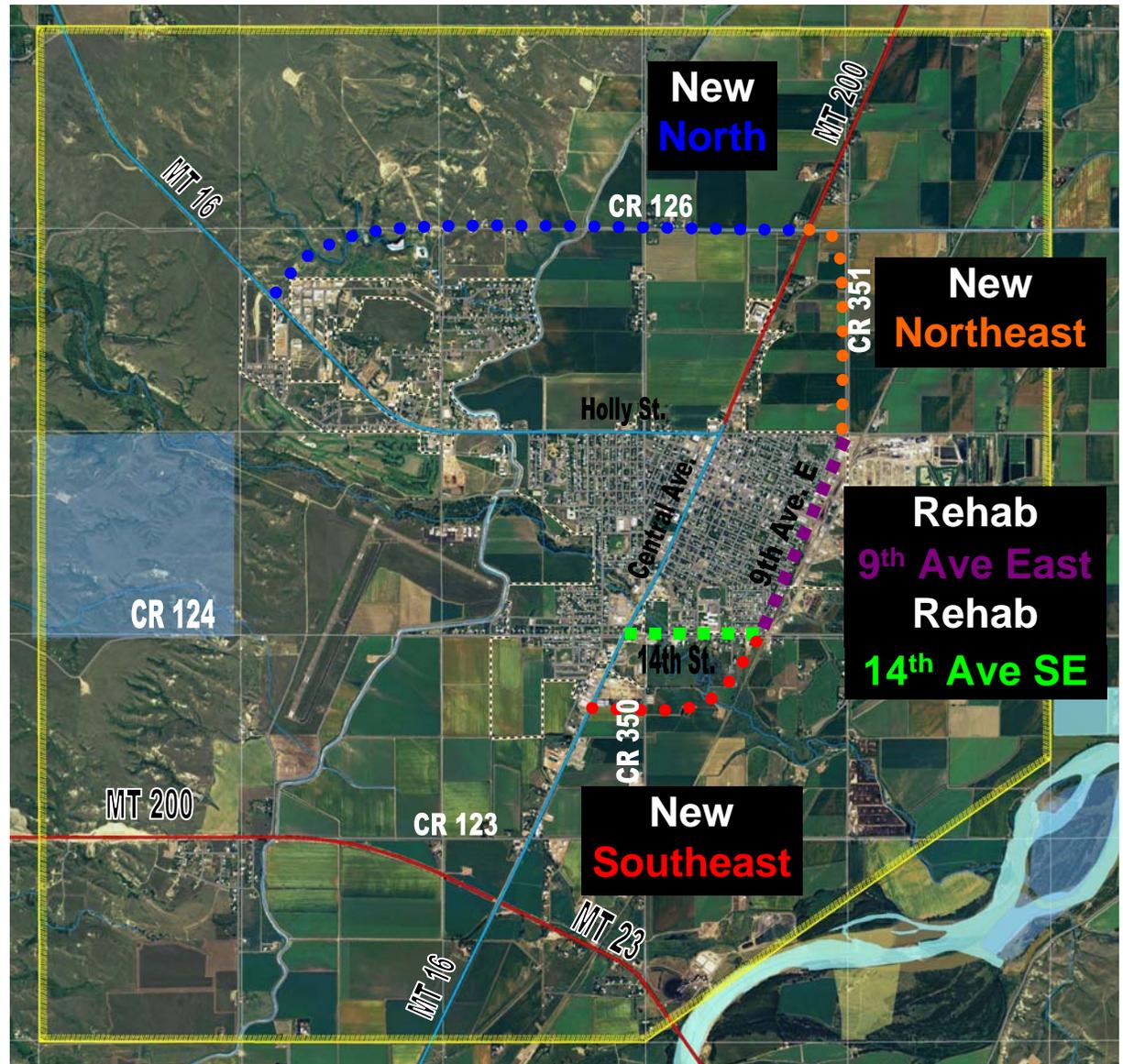
Alignment	Option	LENGTH (MILES)	WETLAND	RESIDENTIAL		COMMERCIAL		AGRICULTURAL		TOTAL COST
			IMPACTS (ACRES)	URBAN (ACRES)	RURAL (ACRES)	URBAN (ACRES)	RURAL (ACRES)	IRRIGATED (ACRES)	NON- IRRIGATED (ACRES)	
9 th Avenue East Rehab*	No Sidewalk	1.1	0	0.2 to 0.7	0	0.3 to 1.2	0	0	0	\$3,500,000 to \$6,500,000
	Sidewalk on 1 side	1.1	0	0.6 to 0.9	0	0.5 to 1.1	0	0	0	\$4,000,000 to \$7,000,000
	Sidewalk on 2 sides	1.1	0	1.0 to 1.3	0	1.6 to 1.9	0	0	0	\$5,000,000 to \$8,000,000
Central Avenue (S of 14 th St.) to the intersection of 14 th Street & 9 th Avenue		1.0	1.6 to 1.8	0	4.5 to 5.2	0	0 to 0.1	7.9 to 8.5	0	\$2,000,000 to \$5,000,000
14 th Street Southeast*	No sidewalk	0.6	0 to 0.2	0	0 to 0.5	0 to 0.2	0	0	0	\$2,000,000 to \$5,000,000
	Sidewalk on 1 side	0.6	0 to 0.2	0	0 to 0.5	0	0	0	0	\$2,500,000 to \$5,500,000
	Sidewalk on 2 sides	0.6	0 to 0.2	0 to 0.2	0 to 0.5	0.1 to 0.5	0 to 0.1	0	0	\$3,000,000 to \$6,000,000
Intersection of 9 th Avenue and East Holly Street to the intersection of MT 200 and CR 126		1.1	0	0	0	0	0	14.5 to 16.8	0	\$1,500,000 to \$4,500,000
Intersection of MT 200 and CR 126 to MT 16 NW of Sidney		2.9	0 to 0.3	0	0.9 to 2.8	0	1.0 to 1.1	15.3 to 17.6	28.3 to 31.8	\$5,500,000 to \$8,500,000
TOTAL**		0.6 to 6.7	0 to 2.3	0 to 1.5	0 to 8.5	0 to 2.4	0 to 1.3	0 to 42.9	0 to 31.8	Up to \$32,000,000

Note: Preliminary estimates of cost for rehabilitation of Holly Street East range from \$3.0 to \$7.0 million.

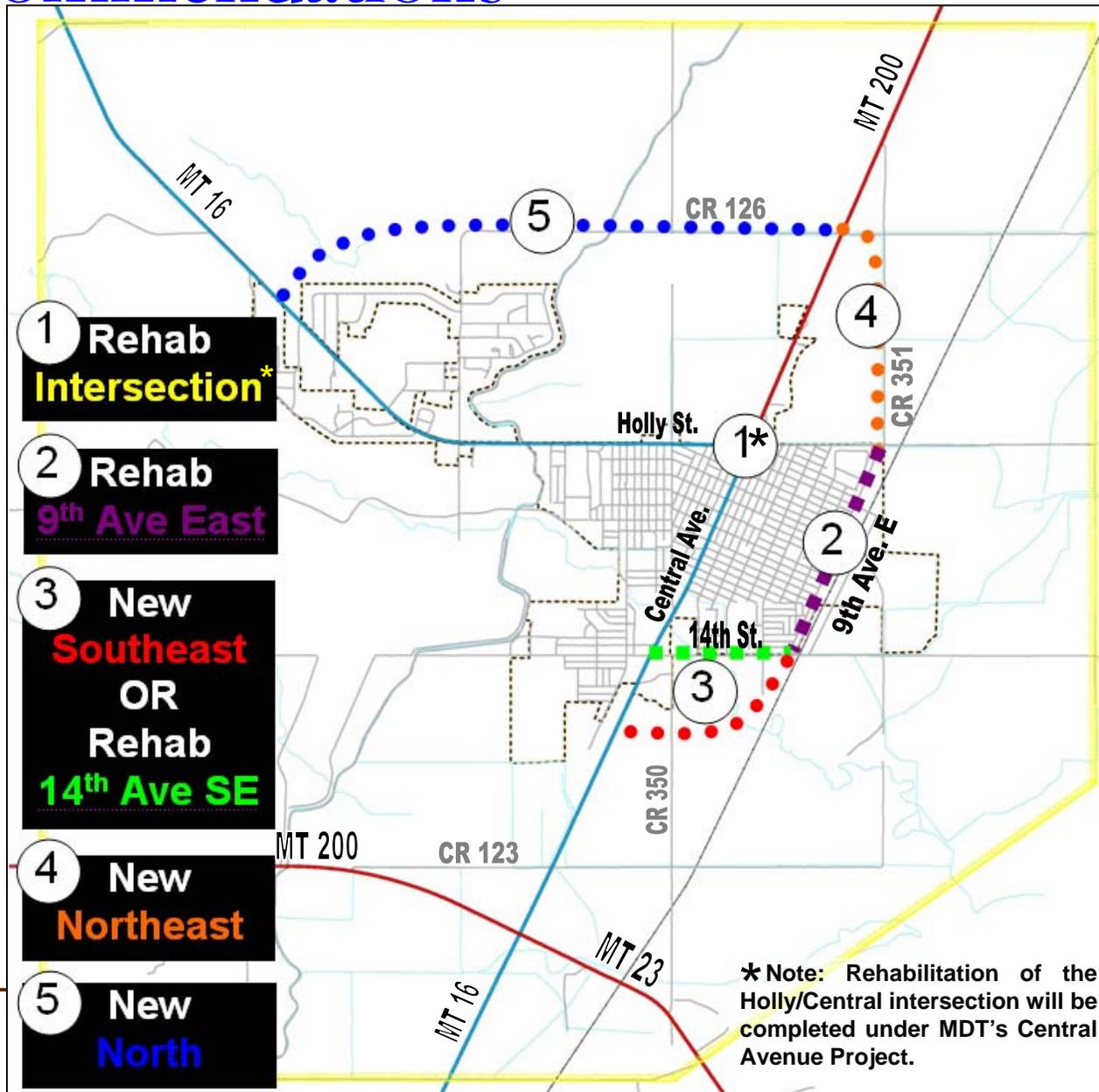
*All urban sections will require curb and gutter.

** This row represents the range from the minimum (one alignment) to the maximum (all alignments at their highest value).

Preferred Long Range Plan



Recommendations



Cost and Impacts of Preferred Alignments

Alignment	Option	LENGTH (MILES)	WETLAND	RESIDENTIAL		COMMERCIAL		AGRICULTURAL		TOTAL COST
			IMPACTS (ACRES)	URBAN (ACRES)	RURAL (ACRES)	URBAN (ACRES)	RURAL (ACRES)	IRRIGATED (ACRES)	NON- IRRIGATED (ACRES)	
9th Avenue East Rehab*	Sidewalk on 1 side	1.1	0	0.6 to 0.9	0	0.5 to 1.1	0	0	0	\$4,000,000 to \$7,000,000
Central Avenue (S of 14th St.) to the intersection of 14th Street & 9th Avenue		1.0	1.6 to 1.8	0	4.5 to 5.2	0	0 to 0.1	7.9 to 8.5	0	\$2,000,000 to \$5,000,000
14th Street Southeast*	Sidewalk on 1 side	0.6	0 to 0.2	0	0 to 0.5	0	0	0	0	\$2,500,000 to \$5,500,000
Intersection of 9th Avenue and East Holly Street to the intersection of MT 200 and CR 126		1.1	0	0	0	0	0	14.5 to 16.8	0	\$1,500,000 to \$4,500,000
Intersection of MT 200 and CR 126 to MT 16 NW of Sidney		2.9	0 to 0.3	0	0.9 to 2.8	0	1.0 to 1.1	15.3 to 17.6	28.3 to 31.8	\$5,500,000 to \$8,500,000
TOTAL		Up to 6.7	Up to 2.3	Up to 0.9	Up to 8.5	Up to 1.1	Up to 1.2	Up to 42.9	Up to 31.8	Up to \$30,500,000

Note: Rehabilitation of the Holly/Central intersection will be completed under MDT's Central Avenue Project.

Preliminary estimates of cost for rehabilitation of Holly Street East range from \$3.0 to \$7.0 million.

*All urban sections will require curb and gutter.

Next Steps

- Comments received by June 26, 2009 will be considered in final study report; comments received after this date will be kept on file
- City of Sidney, MDT, and FHWA to review comments on draft document
- Finalize document for City Council approval
- City to initiate strategies for obtaining funding

Further Opportunities for Involvement

- Website –
www.mdt.mt.gov/pubinvolve/sidneytruckroute/
- Comment Sheets
- Contacts:

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