
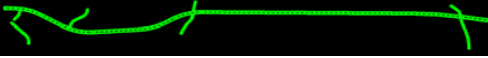






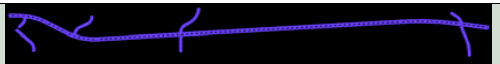






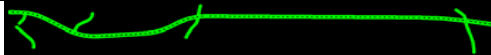
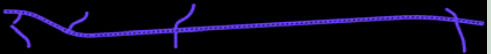



DRAFT Evaluation Matrix  
Carver County River Crossing Study  
Watertown, MN

Concept	Arterial Performance																	
	Speed		Connectivity		Traffic Demands					Operations					Score	%	Overall Improvement to Arterial Performance	
	Design Speed (mph)	Connection above the 100 year floodplain (Including connection on TH 25 to City)	Accommodate Truck Traffic through Community / Directness of Route	2035 Daily Traffic Volumes on CSAH 10 Bridge	2035 Daily Traffic Volumes on Proposed Roadway (west of CSAH 10)	System Serves Traffic Demands	Requires expansion of CSAH 10 through downtown to 4 lanes	Average System Speed (mph)	Daily (2035) Vehicle Miles Traveled (VMT)	Daily (2035) Vehicle Hours Traveled (VHT)								
<b>No Build</b>	N/A	N/A	F	F	32,100	0	F	Yes	F	6	F	95,100	A	14,700	F	6	20%	<b>7</b>
<b>Concept A</b> 	55	Yes	A	A	17,700	15,700	A	No	A	35	A	109,100	C	3,100	A	30	100%	<b>1</b>
<b>Concept B</b> 	55	No	F	B	17,900	15,450	A	No	A	35	A	109,500	C	3,100	A	25	83%	<b>3</b>
<b>Concept H</b> 	55	No	F	B	17,700	15,700	A	No	A	35	A	109,100	C	3,100	A	25	83%	<b>3</b>
<b>Concept I</b> 	55	No	F	B	17,700	15,700	A	No	A	35	A	109,100	C	3,100	A	25	83%	<b>3</b>
<b>Concept L</b> 	55	No	F	B	17,700	15,700	A	No	A	35	A	109,100	C	3,100	A	25	83%	<b>3</b>
<b>Concept M</b> 	55	Yes	A	A	17,700	15,700	A	No	A	35	A	109,100	C	3,100	A	30	100%	<b>1</b>
<b>Notes</b>					Relief Provided	Volumes West of CSAH 10	Summary of Prior 2 Columns			Existing Average Speed is 36 mph						30		



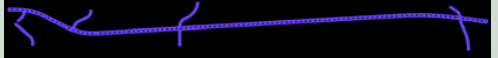



DRAFT Evaluation Matrix  
 Carver County River Crossing Study  
 Watertown, MN

Concept	Safety														
	Curvature						Access Management					Score	%	Ability to Maximize Safety	
	Intersection Realignments Needed	Realignment / Treatment Still Needed at CSAH 10	Horizontal Curves (requiring > 4% super elevation)	Limits Vertical Curvature	Public Access Points	Public Access Points per Mile	Meets County Access Spacing Guidelines								
No Build	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0	0%	7	
Concept A 	3	C	Yes	D	0	A	C	6	2.3	A	18	95%	2		
Concept B 	5	D	Yes	D	4	D	C	7	2.1	A	14	74%	6		
Concept H 	5	D	Yes	D	2	C	C	7	2.1	A	15	79%	5		
Concept I 	4	C	No	B	5	D	C	7	2.1	A	17	89%	3		
Concept L 	5	D	Yes	D	1	B	C	7	2.1	A	16	84%	4		
Concept M 	1	A	Yes	D	1	B	C	6	2.3	A	19	100%	1		
Notes								Standards: 1/2 mile primary spacing 1/4 mile secondary spacing			Summary of Prior 2 Columns		19		


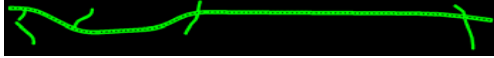




DRAFT Evaluation Matrix  
 Carver County River Crossing Study  
 Watertown, MN

Concept	Natural Environment															Score	%	Minimizes Overall Impacts to Natural Environment
	Potentially Requires Contaminated Property (Number of Properties within 500')	Direct Impacts to Potentially Historic Properties (Number of Properties)		Prime Farmland Impacted (acres)		100 Year Floodplain Impacts (acres)		Floodway Impacts (acres)		Wetland Impacts (acres)		Noise (Proximity to Residential Areas)	Riverpointe Park Impacts (Park Potentially Impacted?)					
No Build	0	A	0	A	0.0	A	0.0	A	0.0	A	0.0	A	A	A	40	100%	1	
Concept A 	4	C	3	F	15.3	B	6.5	C	0.8	D	2.8	D	F	F	17	43%	7	
Concept B 	5	D	3	F	22.9	C	6.4	C	0.7	C	1.4	B	D	A	23	58%	4	
Concept H 	5	D	3	F	23.3	D	7.8	D	0.7	C	1.5	B	B	A	23	58%	4	
Concept I 	5	D	3	F	24.3	D	8.1	F	0.7	C	1.4	B	C	A	21	53%	6	
Concept L 	4	C	0	A	21.9	C	6.3	C	0.6	B	2.0	C	B	A	30	75%	2	
Concept M 	3	B	0	A	15.5	B	6.9	C	0.8	D	3.3	D	B	F	25	63%	3	
<i>Notes</i>															40			

DRAFT Evaluation Matrix  
 Carver County River Crossing Study  
 Watertown, MN

Concept	Human Environment											
	Property Impacts						Provides connection during Construction Staging	Accommodates Pedestrians	Impact on Existing City Residential Areas	Score	%	Overall Impact to Human Environment
	Parcels Impacted (Number of)		Right-of-Way Required (acres)		Full Acquisition of Homes (Number)							
No Build	0	A	0.0	A	0	A	F	N/A	C	34	92%	3
Concept A 	27	C	34.6	B	3	F	A	Yes	F	17	46%	4
Concept B 	30	D	48.1	C	3	F	A	Yes	D	16	43%	5
Concept H 	31	D	49.7	D	3	F	A	Yes	C	16	43%	5
Concept I 	31	D	49.6	D	3	F	A	Yes	C	16	43%	5
Concept L 	27	C	47.8	C	0	A	A	Yes	B	35	95%	2
Concept M 	23	B	34.7	B	0	A	A	Yes	B	37	100%	1
Notes					This column contributes 1/2 the weight of this impact category					37		

DRAFT Evaluation Matrix  
 Carver County River Crossing Study  
 Watertown, MN

Concept	Growth							
	Regional Connectivity	Consistent with City Comp Plan	Accommodates the Full Build Out of the Beltway	Serves the Industrial Park	Private Access Points (Number on Minor Arterial)	Score	%	Overall Accommodation of Growth
No Build	F	F	F	F	N/A	4	20%	7
Concept A 	A	A	A	A	0	20	100%	1
Concept B 	A	A	A	C	0	18	90%	3
Concept H 	A	A	A	C	0	18	90%	3
Concept I 	A	A	A	C	0	18	90%	3
Concept L 	A	A	A	C	0	18	90%	3
Concept M 	A	A	A	A	0	20	100%	1
<i>Notes</i>						20		

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