
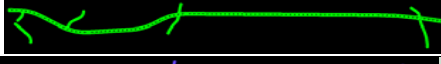
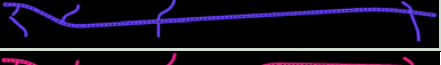




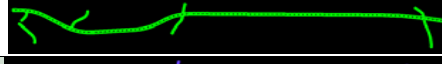
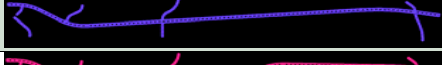





DRAFT Evaluation Matrix
 Carver County River Crossing Study
 Watertown, MN

Concept	Cost												Score	%	Overall Cost Effectiveness	
	Total Project Cost Components									Cost						
	Length of New Minor Arterial (miles)	Length of other County Roads (miles)	Length of Township Roads (miles)	Length of City Street (miles)	Estimated Value of Land Impacts (\$40,000 per acre)	Estimated Value of Building Impacts (2 Times 2010 EMV)	Additional Excavation Costs / Retaining Wall Costs	Estimated Bridge Cost (\$130 / sq ft)	Phase 1 Construction Cost (Not Including Property)	Total Project Construction Cost	Overall Cost					
No Build	0.00	0.00	0.00	0.00	\$0	\$0	\$0	\$0	\$0	A	\$0	\$0	A	5	100%	1
Concept A 	2.61	0.36	0.00	0.27	\$1,380,000	\$693,000	\$1,000,000	\$2,184,000	\$6,000,000	C	\$9,900,000	\$12,000,000	C	3	60%	3
Concept B 	3.34	0.46	0.21	0.48	\$1,920,000	\$693,000	\$0	\$2,184,000	\$6,000,000	C	\$11,000,000	\$13,600,000	D	2	40%	5
Concept H 	3.32	0.46	0.21	0.58	\$1,990,000	\$751,000	\$0	\$2,184,000	\$7,300,000	D	\$11,100,000	\$13,800,000	F	1	20%	6
Concept I 	3.34	0.46	0.21	0.58	\$1,980,000	\$751,000	\$0	\$2,184,000	\$7,300,000	D	\$11,100,000	\$13,800,000	F	1	20%	6
Concept L 	3.30	0.17	0.30	0.55	\$1,910,000	\$0	\$0	\$2,184,000	\$7,000,000	D	\$10,600,000	\$12,500,000	C	3	60%	3
Concept M 	2.62	0.21	0.00	0.33	\$1,390,000	\$0	\$1,000,000	\$2,184,000	\$6,100,000	C	\$9,700,000	\$11,100,000	B	4	80%	2
Notes	\$2,200,000	\$1,650,000	\$500,000	\$1,237,500	<i>Estimates to the left are per mile</i>		<i>Pond Fill / Sheet Pile</i>	<i>56' X 300' Structure</i>						5		

DRAFT Evaluation Matrix
 Carver County River Crossing Study
 Watertown, MN

Concept	Summary of Evaluation													
	Arterial Performance	Safety	Natural Environment	Human Environment	Growth	Score	%	Overall Rank without Cost	Cost		Cost Effectiveness	Score	%	Recommended Ranking
									Phase 1 Construction Cost (Not Including Property)	Overall Cost				
No Build	7	7	1	3	7	25	100%	7	\$0	\$0	1	8.0	73%	4
Concept A 	1	2	7	4	1	15	60%	3	\$6,000,000	\$12,000,000	3	6.0	55%	3
Concept B 	3	6	4	5	3	21	84%	6	\$6,000,000	\$13,600,000	5	11.0	100%	7
Concept H 	3	5	4	5	3	20	80%	4	\$7,300,000	\$13,800,000	6	10.0	91%	5
Concept I 	3	3	6	5	3	20	80%	4	\$7,300,000	\$13,800,000	6	10.0	91%	5
Concept L 	3	4	2	2	3	14	56%	2	\$7,000,000	\$12,500,000	3	5.0	45%	2
Concept M 	1	1	3	1	1	7	28%	1	\$6,100,000	\$11,100,000	2	3.0	27%	1
Notes						25						11		

H:\CACO\C15102197\Documents\Concept Screening\Evaluation Matrix (5-19-11).xls\Evaluation Summary