

<u>Route</u>	<u>Miles</u>	<u>ROW Cost</u>	<u>Two Lane Construction cost+ROW *</u>	<u>Four Lane Construction Cost+ROW*</u>
Route 1	10.207	\$6,416,300.00	\$31,934,000	\$57,451,000
Route 1a	10.481	\$5,438,600.00	\$31,641,000	\$57,844,000
Route 1b	10.930	\$5,367,700.00	\$32,693,000	\$60,018,000
Route 2	12.423	\$3,433,200.00	\$34,491,000	\$65,548,000
Route 2b	12.534	\$3,479,500.00	\$34,815,000	\$66,150,000
Route 2c	12.213	\$3,504,900.00	\$34,037,000	\$64,570,000
Route 3	12.972	\$3,950,200.00	\$36,380,000	\$68,810,000
Route 4a	11.050	\$3,404,100.00	\$31,029,000	\$58,654,000
Route 4b	12.148	\$3,408,400.00	\$33,778,000	\$64,148,000

<u>Route</u>	<u>Miles</u>	<u>ROW Cost</u>	<u>Two Lane + Passing Lanes+Additional ROW</u>	<u>Comments</u>
ND 36/14	45.192	\$500,000	\$79,586,000	Using Existing Alignment
ND 36/14	44.986	\$500,000	\$79,876,000	Using Existing Alignment with Radial T

* The above estimates do not include connection costs at US Highway 83 and I-94. These connections are estimated to add approximately approximately \$25M to the costs outlined above.

Alternative B Summary

	Cost
Six Lane Reconstruction from Calgary to 71st	\$50,000,000
Intersection Improvements I-94 to Calgary	\$3,300,000
Total Cost of Improvements	\$53,300,000

Alternative C Summary

	Cost
71st Ave Interchange	\$25,000,000
43rd Ave Interchange	\$30,000,000
Six Lane Expressway Upgrades Calgary to I-94	\$7,500,000
Interstate Ave Grade Separation	\$23,000,000
Structures (Under/Over Passes) 4 Total	\$60,000,000
Backage Roads	\$12,800,000
Total Cost of Improvements	\$158,300,000

Alternative H1 Summary

	Cost
Six Lane Reconstruction from Calgary to 71st	\$50,000,000
Intersection Improvements I-94 to Calgary	\$3,300,000
Interstate Ave Grade Separation	\$23,000,000
Total Cost of Improvements	\$76,300,000

Alternative H2 Summary

	Cost
71st Ave Interchange	\$25,000,000
43rd Ave Interchange	\$30,000,000
Structures (Under/Over Passes) 2 Total	\$30,000,000
Intersection Improvements I-94 to Calgary	\$3,300,000
Interstate Ave Grade Separation	\$23,000,000
Backage Roads	\$12,800,000
Total Cost of Improvements	\$124,100,000

US Highway 83 / State Street At-Grade Intersection Improvements

Improvement Type	Interstate Avenue		Century Avenue		Harvest Ln/Weiss Ave		Calgary Ave	
Turn lane Improvements	1	\$300,000	5	\$1,500,000	1	\$300,000	2	\$600,000
Signal Modifications	1	\$60,000	1	\$60,000	1	\$60,000	1	\$60,000
New Signals			1	\$350,000		\$0		\$0
Concrete Approach Mods	1	\$10,000	1	\$10,000		\$0		\$0
Subtotal		\$370,000		\$1,920,000		\$360,000		\$660,000
Total	\$3,310,000							

North-South Parallel Corridor Cost Estimates

Scenario	Improvements	Location	Length (feet)	Construction Cost No ROW Costs Included	ROW Width (Based on GIS Data)	Comment 1	Comment 2
1	4th Street - 3 lane restripe	Century to Divide	5530	\$80,000			
2	19th Street - 3 lane restripe	Century to Divide	5280	\$97,000			
3	Scenario 1 & 2 combined	4th & 19th		\$177,000			
4	Same as 4B						
4B	Washington Street - 5 lane Recon	Century to Divide	5280	\$16,700,000	100' Century to I-94 80' I-94 to Divide	I-94 Bridge(s) Recon included	
5	19th Street - 5 lane Recon	Century to Divide	5280	\$17,100,000	80' Existing Corridor	Overpass Structure Reconstructed	
6	Scenario 4 & 5 combined			\$33,800,000			
7	Washington Street - 5 lane Recon	Century to Broadway	11500	\$27,700,000	100' Century to I-94 80' I-94 to Broadway	I-94 Bridge(s) Recon included Ave D to Rosser-Historic District 1500'	
8	Washington Street - (5-Lane)	71st to Broadway					
9	19th Street - 5 lane recon	43rd to Divide					
10	New 8th Street Underpass + Recon	Interstate Ave to Turnpike	750	\$9,600,000		two commercial and 2 residential buyouts	
11	New Overpass Interstate Loop + Recon	Interstate Ave to Capital Ave	890	\$10,300,000		Parking lot buyout	
12	8th Street and Interstate Loop (Under/Over Pass)			\$19,900,000			
13	Scenarios 5 & 7 combined	19th & Washington	5280 + 11500	\$44,800,000		Includes bridge recon and Ave D to Rosser 1500'	
14	NW River Crossing			\$130,600,000		assumed 5% inflation rate/ yr since 2005	
15	Washington Street - 5 lane Recon Ramp Construction	Century to Divide	5280	\$28,800,000	100' Century to I-94 80' I-94 to Divide	I-94 Bridge(s) Recon included	
16	26th Street Extension/Overpass		8800	\$32,000,000		Environmental Challenges - Park Property, Baseball fields, Golf Course, Multiuse Trails, Cemetary, Hay Creek, Railroad	Construction Challenges in Valley including Century Ave Tie in, move east around environmental challenges
17	Scenario 17 + NE Alternative Alignment			\$103,000,000			

General Assumptions:

2 Lane/Ramps	\$600	per LF
5 Lane Urban Recon	\$1,500	per LF
5 Lane Urban Recon (historic)	\$1,900	per LF
traffic signals	\$350,000	per location