



**USTH169 Henderson Station Rd
Interchange Concepts**

**Folded Diamond and Countinuous
South Frontage Road
LE SUEUR, MN**

**US 169 Henderson Station Rd: North Folded Diamond and Continuous
South Frontage Road**

Le Sueur, MN

11/4/2021



Real People. Real Solutions.

Item	Unit	Total Qty	Unit Price	Total Cost
MAJOR ROADWAY ITEMS (NOTES 1-2)				
REMOVE BITUMINOUS PAVEMENT	SY	1,356	\$ 7.00	\$ 9,500
EXCAVATION - COMMON	CY	314,646	\$ 11.00	\$ 3,461,200
COMMON EMBANKMENT (CV)	CY	150,281	\$ 9.00	\$ 1,352,600
AGGREGATE BASE (CV) CLASS 5Q	CY	6,684	\$ 40.00	\$ 267,400
SELECT GRANULAR EMBANKMENT (CV)	CY	14,544	\$ 21.00	\$ 305,500
TYPE SP 12.5 WEARING COURSE MIX (4,F)	TONS	65,008	\$ 78.00	\$ 5,070,700
CURB AND GUTTER B424	LF	8,487	\$ 23.00	\$ 195,300
4" CONCRETE WALK	SF	16,413	\$ 7.00	\$ 114,900
Subtotal				\$ 10,777,000
STRUCTURAL ITEMS				
BRIDGE SB 169	SF	7,350	\$ 175.00	\$ 1,286,300
BRIDGE NB 169	SF	5,550	\$ 175.00	\$ 971,300
Subtotal				\$ 2,258,000
All Roadway Construction Subtotal				\$ 13,035,000
SPECIAL LUMP SUM CONSTRUCTION ITEMS				
(3) LIGHTING	LS	1	\$ 150,000.00	\$ 150,000
(4) URBAN DRAINAGE	LS	1	\$ 2,610,000.00	\$ 2,610,000
Subtotal				\$ 2,760,000
PERCENTAGE ITEMS				
MOBILIZATION		5%	of all roadway	\$ 651,800
MISC REMOVALS (CURB, SIGNS, TREES, ETC.)		2%	of all roadway	\$ 195,600
SIGNING & PAVEMENT MARKINGS		3%	of all roadway	\$ 391,100
TURF ESTABLISHMENT AND EROSION CONTROL		5%	of all roadway	\$ 651,800
LANDSCAPING/STREETScape		2%	of all roadway	\$ 260,700
TRAFFIC CONTROL/STAGING		5%	of all roadway	\$ 651,800
CONTINGENCY FOR MISSING ITEMS		20%	of all roadway	\$ 2,607,000
Subtotal				\$ 5,410,000
Construction Cost (2021 Dollars)				\$ 21,200,000
Anticipated Right-of-Way Cost (2021 Dollars)				\$ -
Engineering Cost (2021 Dollars)				\$ 4,250,000
Total Cost (2021 Dollars)				\$ 25,450,000

Notes:

- Highway/Ramp pavement section assumed is 7 inch bituminous pavement, 8 inch aggregate base, and 18 inch sand.
- Local road pavement section assumed is 6 inch bituminous pavement, 6 inch aggregate base, and 12 inch sand.
- Includes wire, conduit, source of power, base, etc. Assuming MnDOT's LED-40 foot standard poles
- Storm sewer estimate 20% of Roadway Construction Costs