

# HIGHWAY 14

Marshalltown, IA



# BOLTON & MENK

## OPINION OF PROBABLE COSTS

4/12/2019

No	Description	Unit	Unit Price	QNTY	Amount
1	Excavation, Class 13	CY	\$ 18.00	2012	\$ 36,216.00
2	Topsoil	CY	\$ 20.00	1692	\$ 33,840.00
3	Pavement Scarification	SY	\$ 4.50	19700	\$ 88,650.00
4	Subgrade Prep	SY	\$ 5.00	3900	\$ 19,500.00
5	Subbase, Aggregate Base	SY	\$ 12.00	1950	\$ 23,400.00
6	Subbase Treatment, Geogrid	SY	\$ 4.00	7689	\$ 30,756.00
7	Intake, Top Only	EA	\$ 3,000.00	2	\$ 6,000.00
8	Manhole Adjustment	EA	\$ 700.00	17	\$ 11,900.00
9	Storm Sewer Pipe	LF	\$ 85.00	830	\$ 70,550.00
10	Subdrain	LF	\$ 18.00	1500	\$ 27,000.00
11	Hydrants	EA	\$ 5,000.00	11	\$ 55,000.00
12	Manhole - Storm	EA	\$ 3,800.00	17	\$ 64,600.00
13	Manhole - Sanitary	EA	\$ 3,800.00	5	\$ 19,000.00
14	Intake - Storm	EA	\$ 4,200.00	33	\$ 138,600.00
15	Manhole Removal	EA	\$ 1,000.00	8	\$ 8,000.00
16	Intake Removal	EA	\$ 1,000.00	34	\$ 34,000.00
17	Valve Box Extensions	EA	\$ 500.00	31	\$ 15,500.00
18	Pavement, PCC (Side Streets Reconstruction)	SY	\$ 60.00	7110	\$ 426,600.00
19	Overlay, 3-Inch HMA	TON	\$ 105.00	3251	\$ 341,355.00
20	Patching	SY	\$ 130.00	2970	\$ 386,100.00
21	Curb & Gutter	LF	\$ 38.00	9818	\$ 373,084.00
22	Removal of Sidewalk	SY	\$ 10.00	6051	\$ 60,510.00
23	Removal of Driveway	SY	\$ 10.00	1900	\$ 19,000.00
24	Removal of Pavement	SY	\$ 10.00	13200	\$ 132,000.00
25	Sidewalk	SY	\$ 60.00	9126	\$ 547,560.00
26	Driveway	SY	\$ 60.00	1900	\$ 114,000.00
27	Detectable Warning	SF	\$ 30.00	648	\$ 19,440.00
28	Loop Detectors	EA	\$ 1,200.00	9	\$ 10,800.00
29	Signals	EA	\$ 250,000.00	4	\$ 1,000,000.00
30	Pavement Markings	STA	\$ 50.00	415	\$ 20,750.00
31	Pavement Symbols	EA	\$ 150.00	193	\$ 28,950.00
32	Remove Existing Barrier & Rail	LF	\$ 10.00	1400	\$ 14,000.00
33	Barrier and Rail - BA-101	LF	\$ 130.00	1400	\$ 182,000.00
34	Sod	SQ	\$ 120.00	440	\$ 52,800.00
35	Street Trees	EA	\$ 550.00	50	\$ 27,500.00
36	Seeding	Acre	\$ 3,000.00	8	\$ 24,000.00
37	Lighting and Electrical	LS	\$ 151,000.00	1	\$ 151,000.00
38	Streetscaping	LS	\$ 340,000.00	1	\$ 340,000.00
39	Erosion Control	LS	\$ 37,000.00	1	\$ 37,000.00
40	Construction Survey	1	\$ 74,864.00	1	\$ 74,864.00
41	Traffic Control	1	\$ 101,317.00	1	\$ 101,317.00
42	Mobilization	1	\$ 516,714.00	1	\$ 516,714.00

<b>Subtotal Construction</b>	<b>\$ 5,683,856.00</b>
Construction Contingencies 20%	\$ 1,136,771.20
<b>Opinion of estimated Construction Cost</b>	<b>\$ 6,820,627.00</b>
Preliminary Engineering Report	\$ 68,000.00
Route Survey and Geotechnical Testing	\$ 68,000.00
Design, Plans and Specifications	\$ 546,000.00
Construction Contract Administration	\$ 102,000.00
Resident Project Representative - Full Time	\$ 512,000.00
<b>Subtotal Engineering</b>	<b>\$ 1,296,000.00</b>
<b>Grant Administration</b>	<b>\$ 40,000.00</b>
<b>Land Acquisition (Permanent)</b>	<b>\$ 30,000.00</b>
<b>Land Acquisition (Temporary)</b>	<b>\$ 15,000.00</b>
<b>TOTAL OPINION OF IMPROVEMENT COST</b>	<b>\$ 8,201,627.00</b>
<b>Iowa DOT Commitment (Non-Federal)</b>	<b>\$ 1,000,000.00</b>
<b>US DOT Grant Request (BUILD)</b>	<b>\$ 7,201,627.00</b>