

TCAAP SITE REDEVELOPMENT  
ENGINEER'S OPINION OF PROBABLE COST  
60% DESIGN ESTIMATE  
June 7th, 2023

Kimley»Horn

**TCAAP SITE REDEVELOPMENT COST SUMMARY**  
60% DESIGN ESTIMATE  
June 7th, 2023

Schedule	Description	Amount	
A	STREET IMPROVEMENTS - SPINE ROAD	\$ 9,415,840.00	\$8,010,942.00
B	STORM SEWER IMPROVEMENTS - SPINE ROAD	\$ 2,488,250.00	\$1,107,475.00
C	SANITARY SEWER IMPROVEMENTS - SPINE ROAD	\$ 1,892,210.00	\$960,970.00
D	WATERMAIN IMPROVEMENTS - SPINE ROAD	\$ 2,081,075.00	\$1,235,720.00
E	BRIDGE IMPROVEMENTS	\$ 3,361,614.00	\$2,519,997.00
F	TGRS MODIFICATIONS	\$ 1,245,000.00	\$1,075,000.00
G	DISTRICT ENERGY <sup>1</sup>	\$ 2,426,000.00	\$2,100,000.00
H	MASS GRADING	\$ 31,029,475.00	\$20,702,725.00
I	NATURAL RESOURCES CORRIDOR	\$ 2,376,000.00	\$1,910,250.00
J	REGIONAL TRAIL	\$ 337,500.00	\$337,500.00
K	CREEK NEIGHBORHOOD BRIDGE	\$ 1,011,500.00	\$798,000.00
L	EXTRACTION AND MONITORING WELL MODIFICATIONS	\$ 757,800.00	\$631,500.00
M	STREET IMPROVEMENTS - TOWN CENTER	\$ 2,812,680.00	\$1,932,120.00
N	STORM SEWER IMPROVEMENTS - TOWN CENTER	\$ 1,429,135.00	\$664,025.00
O	SANITARY SEWER IMPROVEMENTS - TOWN CENTER	\$ 1,266,250.00	\$586,550.00
P	WATERMAIN IMPROVEMENTS - TOWN CENTER	\$ 1,430,125.00	\$646,420.00
	Subtotal	\$ 65,360,454.00	\$45,219,194.00
	10% Construction Contingency	\$ 6,293,445.40	\$4,311,919.40
	TOTAL CONSTRUCTION COST	\$ 71,653,899.40	\$49,531,113.40
	25% Indirect Cost	\$ 17,306,974.85	\$11,857,778.35
	<b>ESTIMATED PROJECT COST</b>	<b>\$ 88,960,874.25</b>	<b>\$61,388,891.75</b>

**NOTES**

1. The 10% Construction Contingency and 25% Indirect Cost is not applied to Schedule G in the Estimated Project Cost.
2. Ramsey County may adjust the 10% Construction Contingency and 25% Indirect Cost as needed.

Schedule: A  
 Description: STREET IMPROVEMENTS - SPINE ROAD

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount	
1	2011.601	AS BUILT	LUMP SUM	1	\$ 25,000.00	\$ 25,000.00	
2	2021.501	MOBILIZATION	LUMP SUM	1	\$ 450,000.00	\$ 450,000.00	5%
3	2102.503	PAVEMENT MARKING REMOVAL	LIN FT	1750	\$ 1.50	\$ 2,625.00	
4	2104.502	REMOVE PERMANENT BARRICADE	EACH	7	\$ 150.00	\$ 1,050.00	
5	2104.502	REMOVE DELINEATOR	EACH	9	\$ 35.00	\$ 315.00	
6	2104.502	REMOVE SIGN TYPE C	EACH	2	\$ 65.00	\$ 130.00	
7	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	300	\$ 6.00	\$ 1,800.00	
8	2104.503	SAWING BIT PAVEMENT (FULL DEPTH)	LIN FT	25	\$ 5.00	\$ 125.00	
9	2104.503	REMOVE CURB & GUTTER	LIN FT	220	\$ 6.00	\$ 1,320.00	
10	2106.507	SELECT GRANULAR EMBANKMENT (CV)	CU YD	70000	\$ 15.00	\$ 1,050,000.00	Updated from \$10 to \$15
11	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	250	\$ 150.00	\$ 37,500.00	
12	2130.523	WATER	M GALLON	300	\$ 60.00	\$ 18,000.00	
13	2211.509	AGGREGATE BASE CLASS 5	TON	28000	\$ 20.00	\$ 560,000.00	
14	2301.503	DOWELLED EXPANSION JOINTS; DESIGN E2H-D	LIN FT	300	\$ 250.00	\$ 75,000.00	
15	2301.504	CONCRETE PAVEMENT 8.5"	SQ YD	60000	\$ 60.00	\$ 3,600,000.00	
16	2301.508	SUPPLEMENTAL PAVEMENT REINFORCEMENT	POUND	25000	\$ 2.75	\$ 68,750.00	
17	2301.602	1.25" DOWEL BAR	EACH	30000	\$ 11.50	\$ 345,000.00	
18	2521.518	4" CONCRETE WALK	SQ FT	85000	\$ 6.00	\$ 510,000.00	
19	2521.518	6" CONCRETE WALK	SQ FT	75000	\$ 8.00	\$ 600,000.00	
20	2531.503	CONCRETE CURB & GUTTER DESIGN B624	LIN FT	33000	\$ 22.00	\$ 726,000.00	
21	2531.503	CONCRETE CURB & GUTTER DESIGN S524	LIN FT	670	\$ 26.00	\$ 17,420.00	
22	2531.503	CONCRETE CURB DESIGN V6	LIN FT	505	\$ 32.00	\$ 16,160.00	
23	2531.504	CONCRETE MEDIAN	SQ YD	4115	\$ 65.00	\$ 267,475.00	
24	2531.618	TRUNCATED DOMES	SQ FT	1375	\$ 60.00	\$ 82,500.00	
25	2545.501	LIGHTING SYSTEM	LUMP SUM	1	\$ 250,000.00	\$ 250,000.00	
26	2563.601	TRAFFIC CONTROL	LUMP SUM	1	\$ 30,000.00	\$ 30,000.00	
27	2564.502	OBJECT MARKER TYPE X4-2	EACH	11	\$ 105.00	\$ 1,155.00	
28	2564.502	OBJECT MARKER TYPE X4-4	EACH	2	\$ 350.00	\$ 700.00	
29	2564.518	SIGN PANELS TYPE C	SQ FT	1033	\$ 55.00	\$ 56,815.00	
30	2564.518	SIGN PANELS TYPE D	SQ FT	12	\$ 50.00	\$ 600.00	
31	2565.501	EMERGENCY VEHICLE PREEMPTION SYSTEM	LUMP SUM	1	\$ 9,000.00	\$ 9,000.00	
32	2565.501	TRAFFIC CONTROL INTERCONNECT	LUMP SUM	1	\$ 100,000.00	\$ 100,000.00	*Item remains with signalization changes
33	2565.516	TRAFFIC CONTROL SIGNAL SYSTEM	SYSTEM	1	\$ 400,000.00	\$ 400,000.00	
34	2573.502	STORM DRAIN INLET PROTECTION	EACH	125	\$ 200.00	\$ 25,000.00	
35	2582.503	4" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	10000	\$ 0.75	\$ 7,500.00	
36	2582.503	12" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	60	\$ 22.00	\$ 1,320.00	
37	2582.503	4" BROKEN LINE MULTI COMP GR IN (WR)	LIN FT	2400	\$ 8.00	\$ 19,200.00	
38	2582.504	12" DOTTED LINE PREF THERMO GR IN	LIN FT	350	\$ 30.00	\$ 10,500.00	
39	2582.518	PAVT MSSG PREF TAPE GR IN	SQ FT	30	\$ 40.00	\$ 1,200.00	
40	2582.518	PAVT MSSG PREF THERMO GR IN	SQ FT	1167	\$ 40.00	\$ 46,680.00	
<b>Schedule A Subtotal:</b>						<b>\$ 9,415,840.00</b>	<b>\$8,010,942 previous estimate</b>

Schedule: B  
 Description: STORM SEWER IMPROVEMENTS - SPINE ROAD

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount	
1	2412.502	8X4 PRECAST CONCRETE BOX CULV END SECT	EACH	2	\$ 10,000.00	\$ 20,000.00	
2	2412.503	8X4 PRECAST CONCRETE BOX CULVERT	LIN FT	220	\$ 800.00	\$ 176,000.00	
3	2501.502	24" RC PIPE APRON	EACH	3	\$ 2,500.00	\$ 7,500.00	
4	2501.502	30" RC PIPE APRON	EACH	1	\$ 2,800.00	\$ 2,800.00	
5	2503.503	15" RC PIPE SEWER DES 3006 CL V	LIN FT	2435	\$ 80.00	\$ 194,800.00	
6	2503.503	18" RC PIPE SEWER DES 3006 CL V	LIN FT	960	\$ 95.00	\$ 91,200.00	
7	2503.503	24" RC PIPE SEWER DES 3006 CL III	LIN FT	1170	\$ 125.00	\$ 146,250.00	
8	2503.503	30" RC PIPE SEWER DES 3006 CL III	LIN FT	1950	\$ 165.00	\$ 321,750.00	
9	2503.503	36" RC PIPE SEWER DES 3006 CL III	LIN FT	1460	\$ 225.00	\$ 328,500.00	
10	2503.503	42" RC PIPE SEWER DES 3006 CL III	LIN FT	1170	\$ 295.00	\$ 345,150.00	
11	2506.502	CASTING ASSEMBLY	EACH	127	\$ 1,000.00	\$ 127,000.00	
12	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	525	\$ 800.00	\$ 420,000.00	
13	2506.503	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT	127	\$ 1,000.00	\$ 127,000.00	
14	2506.503	CONST DRAINAGE STRUCTURE DES 72-4020	LIN FT	114	\$ 1,500.00	\$ 171,000.00	
15	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	160	\$ 5.00	\$ 800.00	
16	2511.507	RANDOM RIPRAP CLASS III	CU YD	50	\$ 160.00	\$ 8,000.00	
17	2511.507	GRANULAR FILTER	CU YD	5	\$ 100.00	\$ 500.00	
<b>Schedule B Subtotal:</b>						<b>\$ 2,488,250.00</b>	<b>\$1,107,475 previous estimate</b>

Schedule: C  
 Description: SANITARY SEWER IMPROVEMENTS - SPINE ROAD

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount	
1	2503.602	8" PIPE PLUG	EACH	6	\$ 750.00	\$ 4,500.00	
2	2503.603	6" PVC PIPE SEWER	LIN FT	4092	\$ 85.00	\$ 347,820.00	
3	2503.603	12" PVC PIPE SEWER	LIN FT	1222	\$ 115.00	\$ 140,530.00	
4	2503.603	15" PVC PIPE SEWER	LIN FT	1239	\$ 165.00	\$ 204,435.00	
5	2503.603	18" PVC PIPE SEWER	LIN FT	1265	\$ 185.00	\$ 234,025.00	
6	2503.603	6" PVC FORCE MAIN	LIN FT	380	\$ 75.00	\$ 28,500.00	
7	2503.603	12" PVC FORCE MAIN	LIN FT	380	\$ 135.00	\$ 51,300.00	

8	2506.502	CASTING ASSEMBLY	EACH	28	\$ 1,000.00	\$ 28,000.00
9	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	557	\$ 800.00	\$ 445,600.00
10	2506.503	CONST DRAINAGE STRUCTURE DES 96-4020	LIN FT	19	\$ 2,500.00	\$ 47,500.00
11	2506.601	CONSTRUCT LIFT STATION	LUMP SUM	1	\$ 360,000.00	\$ 360,000.00 *20% escalation

**Schedule C Subtotal:** \$ 1,892,210.00 \$960,970 previous estimate

Schedule: D  
Description: WATERMAIN IMPROVEMENTS - SPINE ROAD

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount
1	2503.603	24" STEEL CASING PIPE (JACKED)	LIN FT	135	\$ 550.00	\$ 74,250.00
2	2504.601	BOOSTER STATION	LUMP SUM	1	\$ 780,000.00	\$ 780,000.00 *20% escalation
3	2504.602	CONNECT TO EXISTING WATER MAIN	EACH	1	\$ 2,500.00	\$ 2,500.00
4	2504.602	HYDRANT	EACH	12	\$ 4,600.00	\$ 55,200.00
5	2504.602	6" GATE VALVE & BOX	EACH	12	\$ 3,400.00	\$ 40,800.00
6	2504.602	12" GATE VALVE & BOX	EACH	19	\$ 5,500.00	\$ 104,500.00
7	2504.603	12" WATERMAIN DUCTILE IRON CL 53	LIN FT	145	\$ 120.00	\$ 17,400.00
8	2504.603	6" PVC WATERMAIN	LIN FT	179	\$ 75.00	\$ 13,425.00
9	2504.603	12" PVC WATERMAIN	LIN FT	7800	\$ 115.00	\$ 897,000.00
10	2504.606	DUCTILE IRON FITTINGS	POUND	6000	\$ 16.00	\$ 96,000.00

**Schedule D Subtotal:** \$ 2,081,075.00 \$1,235,720 previous estimate

Schedule: E  
Description: BRIDGE IMPROVEMENTS

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount
1	2401.503	TYPE CURB BARRIER CONCRETE (3S52)	LIN FT	105	\$ 90.00	\$ 9,450.00
2	2401.503	TYPE P-4 (TL-4) BARRIER CONCRETE (3S52)	LIN FT	285	\$ 650.00	\$ 185,250.00
3	2401.507	STRUCTURAL CONCRETE (1G52)	CU YD	305	\$ 550.00	\$ 167,750.00
4	2401.507	STRUCTURAL CONCRETE (3B52)	CU YD	315	\$ 1,000.00	\$ 315,000.00
5	2401.508	REINFORCEMENT BARS	POUND	45570	\$ 1.60	\$ 72,912.00
6	2401.508	REINFORCEMENT BARS (EPOXY COATED)	POUND	47000	\$ 1.80	\$ 84,600.00
7	2401.508	REINFORCEMENT BARS (STAINLESS-60KSI)	POUND	660	\$ 5.00	\$ 3,300.00
8	2401.518	RAISED MEDIAN CONCRETE (3S52)	SQ FT	1815	\$ 22.00	\$ 39,930.00
9	2401.601	STRUCTURE EXCAVATION	LUMP SUM	1	\$ 54,000.00	\$ 54,000.00 *20% escalation
10	2401.618	BRIDGE DECK PLANING	SQ FT	8660	\$ 1.50	\$ 12,990.00
11	2401.618	BRIDGE SLAB CONCRETE (3YHPC-M)	SQ FT	9250	\$ 35.00	\$ 323,750.00
12	2402.502	BEARING ASSEMBLY	EACH	20	\$ 1,600.00	\$ 32,000.00
13	2402.503	ORNAMENTAL METAL RAILING TYPE 1 (TBD)	LIN FT	145	\$ 240.00	\$ 34,800.00
14	2402.503	ORNAMENTAL METAL RAILING TYPE 2 (TBD)	LIN FT	105	\$ 225.00	\$ 23,625.00
15	2405.503	PRESTRESSED CONCRETE BEAMS MN45	LIN FT	990	\$ 475.00	\$ 470,250.00
16	2405.503	DIAPHRAGMS FOR TYPE MN45 PREST BEAMS	LIN FT	180	\$ 130.00	\$ 23,400.00
17	2406.504	BRIDGE APPROACH PANELS	SQ YD	432	\$ 350.00	\$ 151,200.00
18	2411.604	ARCHITECTURAL CONCRETE TEXTURE	SQ YD	480	\$ 20.00	\$ 9,600.00
19	2411.618	CONCRETE RETAINING WALL	SQ FT	1950	\$ 235.00	\$ 458,250.00
20	2411.618	ANTI-GRAFFITI COATING	SQ FT	640	\$ 1.55	\$ 992.00
21	2411.618	ARCH METAL FASCIA PANEL	SQ FT	1850	\$ 165.00	\$ 305,250.00 *20% escalation
22	2411.618	ARCH SURFACE FINISH (SINGLE COLOR)	SQ FT	2600	\$ 2.15	\$ 5,590.00
23	2452.502	C-I-P CONC TEST PILE 85 FT LONG 12"	EACH	4	\$ 8,000.00	\$ 32,000.00
24	2452.603	C-I-P CONCRETE PILING 12"	LIN FT	11250	\$ 45.00	\$ 506,250.00
25	2502.501	DRAINAGE SYSTEM TYPE (B910)	LUMP SUM	1	\$ 4,000.00	\$ 4,000.00
26	2511.504	GEOTEXTILE FILTER TYPE 3	SQ YD	430	\$ 2.50	\$ 1,075.00
27	2511.507	RANDOM RIPRAP CLASS III	CU YD	215	\$ 160.00	\$ 34,400.00

**Schedule E Subtotal:** \$ 3,361,614.00 \$2,519,997 previous estimate

Schedule: F  
Description: TGRS MODIFICATIONS

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount
1	2504.601	TGRS MODIFICATIONS	LUMP SUM	1	\$ 1,245,000.00	\$ 1,245,000.00

**Schedule F Subtotal:** \$ 1,245,000.00 \$1,075,000 previous estimate

Schedule: G  
Description: DISTRICT ENERGY

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount
1	2504.601	DISTRICT ENERGY	LUMP SUM	1	\$ 2,426,000.00	\$ 2,426,000.00

**Schedule G Subtotal:** \$ 2,426,000.00 \$2,092,546 previous estimate

Schedule: H  
 Description: MASS GRADING

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount
1	2031.502	FIELD OFFICE TYPE D	EACH	1	\$ 50,000.00	\$ 50,000.00
2	2101.505	CLEARING	ACRE	1.5	\$ 2,800.00	\$ 4,200.00
3	2101.505	GRUBBING	ACRE	1.5	\$ 2,800.00	\$ 4,200.00
4	2101.524	CLEARING	TREE	400	\$ 150.00	\$ 60,000.00
5	2101.524	GRUBBING	TREE	400	\$ 125.00	\$ 50,000.00
6	2104.502	REMOVE MISCELLANEOUS STRUCTURES	EACH	2	\$ 1,500.00	\$ 3,000.00
7	2104.502	REMOVE HYDRANT	EACH	10	\$ 1,000.00	\$ 10,000.00
8	2104.502	REMOVE DRAINAGE STRUCTURE	EACH	24	\$ 400.00	\$ 9,600.00
9	2104.502	REMOVE SIGN	EACH	6	\$ 150.00	\$ 900.00
10	2104.503	REMOVE SEWER PIPE (STORM)	LIN FT	600	\$ 16.00	\$ 9,600.00
11	2104.503	REMOVE FENCE	LIN FT	4800	\$ 12.00	\$ 57,600.00
12	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	28800	\$ 3.50	\$ 100,800.00
13	2104.602	REMOVE UTILITY POLE	EACH	305	\$ 500.00	\$ 152,500.00
14	2105.601	DEWATERING	LUMP SUM	1	\$ 300,000.00	\$ 300,000.00
15	2105.601	DIVERSION DITCH	LIN FT	10900	\$ 55.00	\$ 599,500.00
16	2105.609	HAUL & DISPOSE OF CONTAMINATED MATERIAL	TON	11500	\$ 30.00	\$ 345,000.00
17	2106.507	EXCAVATION - COMMON	CU YD	5231000	\$ 3.00	\$ 15,693,000.00
18	2106.507	EXCAVATION - MUCK	CU YD	285000	\$ 6.00	\$ 1,710,000.00
19	2106.507	CLAY POND LINER	CU YD	63000	\$ 15.00	\$ 945,000.00
20	2106.507	COMMON EMBANKMENT (CV)	CU YD	4799500	\$ 1.50	\$ 7,199,250.00
21	2211.509	AGGREGATE BASE CLASS 5 - TEMPORARY ACCESS ROADS	TON	2750	\$ 20.00	\$ 55,000.00
22	2411.618	MODULAR BLOCK RETAINING WALL	SQ FT	230	\$ 60.00	\$ 13,800.00
23	2501.502	15" RC PIPE APRON	EACH	7	\$ 1,800.00	\$ 12,600.00
24	2501.502	24" RC PIPE APRON	EACH	1	\$ 2,500.00	\$ 2,500.00
25	2501.502	42" RC PIPE APRON	EACH	1	\$ 3,500.00	\$ 3,500.00
26	2501.502	48" RC PIPE APRON	EACH	9	\$ 4,000.00	\$ 36,000.00
27	2501.502	54" RC PIPE APRON	EACH	2	\$ 5,000.00	\$ 10,000.00
28	2501.502	60" RC PIPE APRON	EACH	1	\$ 6,000.00	\$ 6,000.00
29	2503.503	15" RC PIPE SEWER DES 3006 CL V	LIN FT	375	\$ 80.00	\$ 30,000.00
30	2503.503	24" RC PIPE SEWER DES 3006 CL III	LIN FT	510	\$ 125.00	\$ 63,750.00
31	2503.503	42" RC PIPE SEWER DES 3006 CL III	LIN FT	540	\$ 295.00	\$ 159,300.00
32	2503.503	48" RC PIPE SEWER DES 3006 CL III	LIN FT	1820	\$ 350.00	\$ 637,000.00
33	2503.503	54" RC PIPE SEWER DES 3006 CL III	LIN FT	190	\$ 450.00	\$ 85,500.00
34	2503.503	60" RC PIPE SEWER DES 3006 CL III	LIN FT	870	\$ 540.00	\$ 469,800.00
35	2506.502	CASTING ASSEMBLY	EACH	8	\$ 1,000.00	\$ 8,000.00
36	2506.503	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT	5	\$ 1,000.00	\$ 5,000.00
37	2506.503	CONST DRAINAGE STRUCTURE DES 72-4020	LIN FT	21	\$ 1,500.00	\$ 31,500.00
38	2506.503	CONST DRAINAGE STRUCTURE DES 84-4020	LIN FT	47	\$ 2,000.00	\$ 94,000.00
39	2506.503	CONST DRAINAGE STRUCTURE DES 96-4020	LIN FT	10	\$ 2,500.00	\$ 25,000.00
40	2506.602	CONSTRUCT CONTROL STRUCTURE	EACH	15	\$ 10,000.00	\$ 150,000.00
41	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	1140	\$ 5.00	\$ 5,700.00
42	2511.507	RANDOM RIPRAP CLASS III	CU YD	450	\$ 160.00	\$ 72,000.00
43	2511.507	GRANULAR FILTER	CU YD	45	\$ 100.00	\$ 4,500.00
44	2557.603	CHAIN LINK SAFETY FENCE	LIN FT	2780	\$ 40.00	\$ 111,200.00
45	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	\$ 15,000.00	\$ 15,000.00
46	2573.501	EROSION CONTROL SUPERVISOR	LUMP SUM	1	\$ 30,000.00	\$ 30,000.00
47	2573.502	STORM DRAIN INLET PROTECTION	EACH	5	\$ 200.00	\$ 1,000.00
48	2573.503	SILT FENCE; TYPE MS	LIN FT	60000	\$ 3.00	\$ 180,000.00
49	2573.503	FILTER BERM TYPE 1	LIN FT	950	\$ 40.00	\$ 38,000.00
50	2573.507	SEDIMENT TRAP EXCAVATION	CU YD	60000	\$ 3.00	\$ 180,000.00
51	2573.602	ROCK DITCH CHECK	EACH	53	\$ 2,000.00	\$ 106,000.00
52	2574.508	FERTILIZER TYPE 3	POUND	91000	\$ 1.50	\$ 136,500.00
53	2574.508	FERTILIZER TYPE 4	POUND	7000	\$ 0.80	\$ 5,600.00
54	2575.504	EROSION CONTROL BLANKETS CATEGORY 3N	SQ YD	192000	\$ 1.50	\$ 288,000.00
55	2575.505	SEEDING	ACRE	400	\$ 175.00	\$ 70,000.00
56	2575.505	DISK ANCHORING	ACRE	325	\$ 85.00	\$ 27,625.00
57	2575.508	SEED MIXTURE 21-111	POUND	30100	\$ 5.00	\$ 150,500.00
58	2575.508	SEED MIXTURE 25-121	POUND	18500	\$ 8.00	\$ 148,000.00
59	2575.508	SEED MIXTURE 32-241	POUND	3800	\$ 8.00	\$ 30,400.00
60	2575.508	SEED MIXTURE 33-261	POUND	600	\$ 35.00	\$ 21,000.00
61	2575.508	SEED MIXTURE 34-181	POUND	25	\$ 60.00	\$ 1,500.00
62	2575.508	SEED MIXTURE 34-262	POUND	130	\$ 60.00	\$ 7,800.00
63	2575.508	SEED MIXTURE 34-271	POUND	75	\$ 60.00	\$ 4,500.00
64	2575.508	SEED MIXTURE 35-221	POUND	1550	\$ 20.00	\$ 31,000.00
65	2575.509	MULCH MATERIAL TYPE 1	TON	600	\$ 250.00	\$ 150,000.00
66	2575.509	MULCH MATERIAL TYPE 3	TON	45	\$ 250.00	\$ 11,250.00

\*Includes 1,153,000 CY for utility trenches & historical fills  
 \*\*\*\*\*  
 \*\*\*\*\*  
 \*Includes 1,153,000 CY for utility trenches & historical fills

\*Rolled erosion control product 20N or 25N

Schedule H Subtotal: \$ 31,029,475.00 20,702,725 previous estimate

Schedule: I  
 Description: NATURAL RESOURCES CORRIDOR

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount	
1	2401.618	ELEVATED PEDESTRIAN STRUCTURE	SQ FT	1325	\$ 180.00	\$ 238,500.00	*20% unit price increase
2	2411.502	CONCRETE STAIRWAY	EACH	1	\$ 35,000.00	\$ 35,000.00	*15% unit price increase
3	2411.618	CONCRETE RETAINING WALL	SQ FT	8500	\$ 235.00	\$ 1,997,500.00	*Unit price different from Schedule K, 20% increase added
4	2541.618	INSTALL STONE	SQ FT	1000	\$ 105.00	\$ 105,000.00	
<b>Schedule I Subtotal:</b>						<b>\$ 2,376,000.00</b>	<b>\$1,910,250 previous estimate</b>

Schedule: J  
 Description: REGIONAL TRAIL

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount	
1	2521.518	3" BITUMINOUS WALK	SQ FT	135000	\$ 2.50	\$ 337,500.00	
<b>Schedule J Subtotal:</b>						<b>\$ 337,500.00</b>	<b>\$337,500 previous estimate</b>

Schedule: K  
 Description: CREEK NEIGHBORHOOD BRIDGE

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount	
1	2411.601	CONCRETE WEIR STRUCTURE	LUMP SUM	1	\$ 35,000.00	\$ 35,000.00	*15% unit price increase
2	2411.618	CONCRETE RETAINING WALL	SQ FT	2400	\$ 300.00	\$ 720,000.00	
3	2412.503	4X4 PRECAST CONCRETE BOX CULVERT	LIN FT	270	\$ 950.00	\$ 256,500.00	
<b>Schedule K Subtotal:</b>						<b>\$ 1,011,500.00</b>	<b>\$798,000 previous estimate</b>

Schedule: L  
 Description: EXTRACTION AND MONITORING WELL MODIFICATIONS

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount	
1	2104.502	ABANDON ACTIVE EXTRACTION WELL	EACH	2	\$ 12,000.00	\$ 24,000.00	
2	2104.502	ABANDON ACTIVE MONITORING WELL	EACH	13	\$ 2,400.00	\$ 31,200.00	
3	2504.602	HORIZONTAL ADJUSTMENT (ACTIVE MONITORING WELL)	EACH	13	\$ 24,000.00	\$ 312,000.00	
4	2504.602	MONITORING WELL REPLACEMENT (DURING REMEDIATION)	EACH	4	\$ 24,000.00	\$ 96,000.00	
5	2504.602	VERTICAL ADJUSTMENT (ACTIVE MONITORING WELL - CUT)	EACH	39	\$ 2,400.00	\$ 93,600.00	
6	2504.602	VERTICAL ADJUSTMENT (ACTIVE MONITORING WELL - FILL)	EACH	16	\$ 3,600.00	\$ 57,600.00	
7	2504.602	VERTICAL ADJUSTMENT (SEALED WELL)	EACH	65	\$ 360.00	\$ 23,400.00	
8	2504.602	EXTRACTION WELL	EACH	1	\$ 120,000.00	\$ 120,000.00	
<b>Schedule L Subtotal:</b>						<b>\$ 757,800.00</b>	<b>\$631,500 previous estimate</b>

Schedule: M  
 Description: STREET IMPROVEMENTS - TOWN CENTER

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount	
1	2011.601	AS BUILT	LUMP SUM	1	\$ 25,000.00	\$ 25,000.00	
2	2021.501	MOBILIZATION	LUMP SUM	1	\$ 220,000.00	\$ 220,000.00	8.5% as used in previous estimate
3	2123.610	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	60	\$ 150.00	\$ 9,000.00	
4	2130.523	WATER	M GALLON	75	\$ 60.00	\$ 4,500.00	
5	2211.509	AGGREGATE BASE CLASS 5	TON	25500	\$ 20.00	\$ 510,000.00	
6	2360.504	TYPE SP 12.5 WEARING COURSE MIX (2;C)	TON	6200	\$ 100.00	\$ 620,000.00	
7	2360.509	TYPE SP 12.5 NON WEAR COURSE MIX (2;B)	TON	4200	\$ 98.00	\$ 411,600.00	
8	2502.503	4" PERF PE PIPE DRAIN	LIN FT	4300	\$ 14.00	\$ 60,200.00	
9	2521.518	4" CONCRETE WALK	SQ FT	33000	\$ 6.00	\$ 198,000.00	
10	2521.518	6" CONCRETE WALK	SQ FT	6000	\$ 15.00	\$ 90,000.00	
11	2521.518	3" BITUMINOUS WALK	SQ FT	38000	\$ 2.50	\$ 95,000.00	
12	2531.503	CONCRETE CURB & GUTTER DESIGN B618 (MOD)	LIN FT	20000	\$ 20.00	\$ 400,000.00	
13	2531.504	CONCRETE MEDIAN	SQ YD	400	\$ 65.00	\$ 26,000.00	
14	2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	130	\$ 85.00	\$ 11,050.00	
15	2531.618	TRUNCATED DOMES	SQ FT	950	\$ 60.00	\$ 57,000.00	
16	2564.502	OBJECT MARKER TYPE X4-2	EACH	4	\$ 105.00	\$ 420.00	
17	2564.518	SIGN PANELS TYPE C	SQ FT	392	\$ 55.00	\$ 21,560.00	
18	2573.502	STORM DRAIN INLET PROTECTION	EACH	80	\$ 200.00	\$ 16,000.00	
19	2582.503	4" SOLID LINE MULTI COMP GR IN (WR)	LIN FT	4000	\$ 0.75	\$ 3,000.00	
20	2582.518	CROSSWALK PREF THERMO GR IN	SQ FT	2280	\$ 15.00	\$ 34,350.00	
<b>Schedule M Subtotal:</b>						<b>\$ 2,812,680.00</b>	<b>1,932,120 previous estimate</b>

Schedule: N  
 Description: STORM SEWER IMPROVEMENTS - TOWN CENTER

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount	
1	2501.502	15" RC PIPE APRON	EACH	2	\$ 1,800.00	\$ 3,600.00	
2	2501.502	18" RC PIPE APRON	EACH	1	\$ 2,000.00	\$ 2,000.00	
3	2501.502	21" RC PIPE APRON	EACH	1	\$ 2,200.00	\$ 2,200.00	
4	2501.502	30" RC PIPE APRON	EACH	1	\$ 2,800.00	\$ 2,800.00	

5	2502.502	6" PRECAST CONCRETE HEADWALL	EACH	3	\$ 850.00	\$ 2,550.00
6	2502.503	6" PVC PIPE DRAIN	LIN FT	1900	\$ 20.00	\$ 38,000.00
7	2503.503	15" RC PIPE SEWER DES 3006 CL V	LIN FT	5730	\$ 80.00	\$ 458,400.00
8	2503.503	18" RC PIPE SEWER DES 3006 CL V	LIN FT	1010	\$ 95.00	\$ 95,950.00
9	2503.503	21" RC PIPE SEWER DES 3006 CL III	LIN FT	670	\$ 110.00	\$ 73,700.00
10	2503.503	24" RC PIPE SEWER DES 3006 CL III	LIN FT	1300	\$ 125.00	\$ 162,500.00
11	2503.503	30" RC PIPE SEWER DES 3006 CL III	LIN FT	115	\$ 165.00	\$ 18,975.00
12	2506.502	CASTING ASSEMBLY	EACH	92	\$ 1,000.00	\$ 92,000.00
13	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	543	\$ 800.00	\$ 434,400.00
14	2506.503	CONST DRAINAGE STRUCTURE DES 60-4020	LIN FT	16	\$ 1,000.00	\$ 16,000.00
15	2506.503	CONST DRAINAGE STRUCTURE DES 96-4020	LIN FT	7	\$ 2,500.00	\$ 17,500.00
16	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	140	\$ 5.00	\$ 700.00
17	2511.507	RANDOM RIPRAP CLASS III	CU YD	36	\$ 160.00	\$ 5,760.00
18	2511.507	GRANULAR FILTER	CU YD	3	\$ 100.00	\$ 300.00
19	2573.502	CULVERT END CONTROLS	EACH	6	\$ 300.00	\$ 1,800.00

**Schedule N Subtotal:** \$ 1,429,135.00 \$664,025 previous estimate

Schedule: O  
Description: SANITARY SEWER IMPROVEMENTS - TOWN CENTER

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount
1	2503.602	8" PIPE PLUG	EACH	4	\$ 750.00	\$ 3,000.00
2	2503.603	8" PVC PIPE SEWER	LIN FT	7890	\$ 85.00	\$ 670,650.00
3	2506.502	CASTING ASSEMBLY	EACH	31	\$ 1,000.00	\$ 31,000.00
4	2506.503	CONST DRAINAGE STRUCTURE DES 48-4020	LIN FT	702	\$ 800.00	\$ 561,600.00

**Schedule O Subtotal:** \$ 1,266,250.00 \$586,550 previous estimate

Schedule: P  
Description: WATERMAIN IMPROVEMENTS - TOWN CENTER

Item No.	Mn/DOT No.	Item Description	Unit	Contract Quantity	Unit Price	Amount
1	2504.602	HYDRANT	EACH	14	\$ 4,600.00	\$ 64,400.00
2	2504.602	6" GATE VALVE & BOX	EACH	14	\$ 3,400.00	\$ 47,600.00
3	2504.602	8" GATE VALVE & BOX	EACH	26	\$ 4,200.00	\$ 109,200.00
4	2504.602	12" GATE VALVE & BOX	EACH	9	\$ 5,500.00	\$ 49,500.00
5	2504.603	6" PVC WATERMAIN	LIN FT	134	\$ 75.00	\$ 10,050.00
6	2504.603	8" PVC WATERMAIN	LIN FT	7588	\$ 85.00	\$ 644,980.00
7	2504.603	12" PVC WATERMAIN	LIN FT	3273	\$ 115.00	\$ 376,395.00
8	2504.608	DUCTILE IRON FITTINGS	POUND	8000	\$ 16.00	\$ 128,000.00

**Schedule P Subtotal:** \$ 1,430,125.00 \$646,420 previous estimate