



JOB NO:	AU1102
DESIGNED:	TNP/TAM
DATE:	Revised April 13, 2016
PROJECT TITLE:	Farnswood Condominium Flood Relief Improvements

Engineer's Opinion of Probable Construction Cost - Phase I: Outfall to Manhole No. 12

ITEM NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	AMOUNT
1	TREE REMOVAL (6-15 UNITS)	UNIT	42	\$ 50.00	\$ 2,100.00
2	TREE REMOVAL, ACRES	ACRE	0.08	\$ 30,000.00	\$ 2,400.00
3	TREE PRUNING	EACH	3	\$ 150.00	\$ 450.00
4	BRUSH CLEARING (STA 10+40 TO 10+80)	LSUM	1	\$ 2,000.00	\$ 2,000.00
5	SILT FENCE	LF	555	\$ 2.50	\$ 1,387.50
6	INLET FILTERS	EACH	5	\$ 250.00	\$ 1,250.00
7	TRIANGULAR SILT DIKE DITCH CHECK	EACH	6	\$ 150.00	\$ 900.00
8	STRIP TOPSOIL AND RESPREAD	CY	2250	\$ 5.00	\$ 11,250.00
9	EARTH EXCAVATION	CY	3050	\$ 8.00	\$ 24,400.00
10	PAVEMENT PATCH PER CITY OF AURORA DETAIL	SY	65	\$ 80.00	\$ 5,200.00
11	CURB & GUTTER REMOVAL AND REPLACEMENT	LF	45	\$ 30.00	\$ 1,350.00
12	SIDEWALK REMOVAL AND REPLACEMENT	SF	150	\$ 7.00	\$ 1,050.00
13	EXPLORATORY EXCAVATION	EACH	1	\$ 500.00	\$ 500.00
14	REMOVE EXISTING CATCH BASIN	EACH	1	\$ 500.00	\$ 500.00
15	PLUG EXISTING STORM SEWER	EACH	1	\$ 250.00	\$ 250.00
16	LOWER WATER MAIN	EACH	2	\$ 2,500.00	\$ 5,000.00
17	TRENCH BACKFILL	CY	175	\$ 30.00	\$ 5,250.00
18	STORM INLET, 2' DIA. W/FRAME AND LID	EACH	1	\$ 1,000.00	\$ 1,000.00
19	STORM INLET, 3' DIA. W/FRAME AND LID	EACH	2	\$ 1,200.00	\$ 2,400.00
20	STORM MANHOLE, 4' DIA. TY A, W/FRAME AND LID	EACH	1	\$ 1,750.00	\$ 1,750.00
21	STORM MANHOLE, 7' DIA. TY A, W/FLAT SLAB TOP & HIGH CAPACITY GRATE	EACH	1	\$ 7,500.00	\$ 7,500.00
22	STORM MANHOLE, 6' DIA. TY A, W/TY 1 F & CL	EACH	4	\$ 3,500.00	\$ 14,000.00
23	STORM BOX STRUCTURE, 4' x 6' W/ GRATE	EACH	1	\$ 15,000.00	\$ 15,000.00
24	STORM SEWER, 12" PERFORATED ADS N-12 W/TRENCH BACKFILL & FABRIC	LF	624	\$ 30.00	\$ 18,720.00
25	STORM SEWER, 12" RCP	LF	12	\$ 35.00	\$ 420.00
26	STORM SEWER, 18" RCP	LF	16	\$ 60.00	\$ 960.00
27	STORM SEWER, 42" RCP	LF	589	\$ 90.00	\$ 53,010.00
28	STORM SEWER, 34" x 53" ELLIPTICAL RCP	LF	131	\$ 100.00	\$ 13,100.00
29	12" FLARED END SECTION, RCP	EACH	1	\$ 750.00	\$ 750.00
30	34" x 53" ELLIPTICAL FLARED END SECTION W/ GRATE, RCP	EACH	1	\$ 3,000.00	\$ 3,000.00
31	RIP RAP, IDOT GRADATION RR4	SY	114	\$ 25.00	\$ 2,850.00
32	RESTORATION - W/6" TOPSOIL, SEED, FERTILIZE AND BLANKET OR TRM	SY	5550	\$ 7.50	\$ 41,625.00
				SUBTOTAL =	\$ 241,322.50
				CONTINGENCY (10%) =	\$ 24,132.25
				ESTIMATED PROBABLE COST =	\$ 265,454.75



JOB NO:	AU1102
DESIGNED:	TNP/TAM
DATE:	Revised April 13, 2016
PROJECT TITLE:	Farnswood Condominium Flood Relief Improvements

Engineer's Opinion of Probable Construction Cost - Phase II: Upstream of Manhole No. 12

ITEM NO.	ITEM	UNIT	QUANTITY	UNIT PRICE	AMOUNT
33	TREE REMOVAL (6-15 UNITS)	UNIT	44	\$ 50.00	\$ 2,200.00
34	TREE PRUNING	EACH	1	\$ 150.00	\$ 150.00
35	BRUSH REMOVAL	LSUM	1	\$ 500.00	\$ 500.00
36	INLET FILTERS	EACH	6	\$ 250.00	\$ 1,500.00
37	INLET PROTECTION	EACH	2	\$ 150.00	\$ 300.00
38	HYDRANT AND VALVE BOX ADJUSTMENT	EACH	2	\$ 250.00	\$ 500.00
39	SIGN REMOVAL AND RESET	EACH	6	\$ 150.00	\$ 900.00
40	PAVEMENT REMOVAL	SY	3381	\$ 5.00	\$ 16,905.00
41	SIDEWALK REMOVAL AND REPLACEMENT (EX 3' W)	SF	940	\$ 7.00	\$ 6,580.00
42	CONCRETE DUMPSTER PAD REMOVAL	SY	12	\$ 10.00	\$ 120.00
43	LOWER WATER MAIN	EACH	3	\$ 2,500.00	\$ 7,500.00
44	WATER MAIN INSULATION	EACH	3	\$ 1,200.00	\$ 3,600.00
45	STRIP TOPSOIL AND RESPREAD	CY	250	\$ 10.00	\$ 2,500.00
46	EARTH EXCAVATION	CY	1895	\$ 30.00	\$ 56,850.00
47	AGGREGATE BASE COURSE, TYPE B, CA-6, 8"	SY	3390	\$ 9.00	\$ 30,510.00
48	BITUMINOUS MATERIALS (PRIME COAT)	GAL	1695	\$ 0.50	\$ 847.50
49	AGGREGATE (PRIME COAT)	TON	42	\$ 10.00	\$ 423.75
50	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2.25" (DRIVEWAYS) & 3.25" (DRIVE AISLE)	TON	525	\$ 80.00	\$ 42,015.68
51	HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, 1.75"	TON	332	\$ 85.00	\$ 28,238.70
52	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH	SF	58	\$ 5.00	\$ 290.00
53	PORTLAND CEMENT CONCRETE DUMPSTER PAD, 8 INCH	SF	100	\$ 10.00	\$ 1,000.00
54	PORTLAND CEMENT CONCRETE FLUME, 2.5' WIDE	LF	656	\$ 20.00	\$ 13,120.00
55	TRENCH DRAIN, 5" WIDE X 5" DEEP W/ATTACHMENTS, SET IN CONCRETE FLUME	LF	656	\$ 18.00	\$ 11,808.00
56	INLET, 3' DIA WITH FRAME AND GRATE	EACH	4	\$ 1,200.00	\$ 4,800.00
57	TRENCH DRAIN RISER (W/ PVC WYE, 45° BEND, 4" RISER, AND CONNECTION)	EACH	7	\$ 750.00	\$ 5,250.00
58	MANHOLE, 4' DIAMETER WITH FRAME AND LID	EACH	2	\$ 2,500.00	\$ 5,000.00
59	STORM SEWER, 8" PVC SDR-26	LF	150	\$ 25.00	\$ 3,750.00
60	STORM SEWER, 12" PVC SDR-26	LF	482	\$ 35.00	\$ 16,870.00
61	STORM SEWER, 12" ADS N-12	LF	247	\$ 35.00	\$ 8,645.00
62	STORM SEWER, 15" PERFORATED ADS N-12 W/SOCK AND TRENCH BACKFILL	LF	206	\$ 40.00	\$ 8,240.00
63	STORM SEWER, 24" RCP	LF	107	\$ 70.00	\$ 7,490.00
64	24" FLARED END SECTION W/GRATE, RCP	EACH	2	\$ 1,000.00	\$ 2,000.00
65	RIP RAP, IDOT GRADATION RR3	SY	27	\$ 25.00	\$ 675.00
66	TRAFFIC CONTROL	LSUM	1	\$ 2,500.00	\$ 2,500.00
67	RESTORATION - W/6" TOPSOIL, SEED, FERTILIZE AND BLANKET	SY	2176	\$ 7.50	\$ 16,320.00
				SUBTOTAL =	\$ 309,898.63
				CONTINGENCY (10%) =	\$ 30,989.86
				ESTIMATED PROBABLE COST =	\$ 340,888.49

BID ALTERNATE

68	STRIP AND RESPREAD EXISTING AGGREGATE BASE COURSE	SY	3,008	\$ 5.00	\$ 15,040.00
69	AGGREGATE BASE COURSE, TYPE B, CA-6	TON	150	\$ 40.00	\$ 6,000.00

ACCEPTANCE OF BID ALTERNATE WOULD INCLUDE A REDUCTION IN EARTH EXCAVATION DEPENDING ON THICKNESS OF EXISTING AGGREGATE, ELIMINATION OF BID ITEM 46 (AGGREGATE BASE COURSE), AND ADJUSTMENT IN ASSUMED QUANTITY FOR BID ITEM 68 BASED ON MATERIAL NEEDED TO INSTALL 8" OF AGGREGATE BASE COURSE