

FEHR GRAHAM

ENGINEERING & ENVIRONMENTAL

Engineer's Opinion of Probable Cost

Rochelle Transload Expansion

Project No.

12/2/2022

No.	Description	Quantity	Unit	Unit Price	Total Price
1	EROSION AND SEDIMENT CONTROL	1.00	LS	\$ 20,000.00	\$ 20,000.00
2	EARTH EXCAVATION AND GRADING	1.00	LS	\$ 300,000.00	\$ 300,000.00
*	3 SUBBASE GRANULAR MATERIAL, TYPE B	100.00	CY	\$ 35.00	\$ 3,500.00
*	4 REMOVE AND REPLACE UNSUITABLE MATERIAL	100.00	CY	\$ 60.00	\$ 6,000.00
*	5 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	300.00	SY	\$ 3.50	\$ 1,050.00
6	SEEDING, MULCH AND RESTORATION	1.00	LS	\$ 30,000.00	\$ 30,000.00
7	RAIL 115# RE AREMA NEW	1,660.00	TF	\$ 80.00	\$ 132,800.00
8	FURNISH AND INSTALL SUBBALLAST (8")	2,091.60	TN	\$ 25.00	\$ 52,290.00
9	FURNISH AND INSTALL BALLAST (8")	1,464.20	TN	\$ 25.00	\$ 36,605.00
10	TRACK CONSTRUCTION	1,660.00	TF	\$ 50.00	\$ 83,000.00
11	7" X 9" X 8'6" TIMBER TIES AREMA IG 100% END PLATED	1,021.00	EA	\$ 80.00	\$ 81,680.00
12	SURFACE, ALIGN AND DRESS	1,660.00	TF	\$ 20.00	\$ 33,200.00
13	CATCH BASIN, 2' DIA WITH FR & GR	2.00	EA	\$ 2,250.00	\$ 4,500.00
14	STORM MANHOLE, 4' DIA WITH FR & GR	5.00	EA	\$ 4,000.00	\$ 20,000.00
15	STORM MANHOLE, 5' DIA WITH FR & GR	3.00	EA	\$ 5,000.00	\$ 15,000.00
16	DETENTION POND OUTLET STRUCTURE, 4' DIA WITH FR & LID	1.00	EA	\$ 7,500.00	\$ 7,500.00
17	DETENTION POND OUTLET STRUCTURE, 5' DIA WITH FR & LID	1.00	EA	\$ 9,000.00	\$ 9,000.00
18	HEAVY DUTY PERFORATED DRAIN TILE W/ SOCK, 8"	570.00	LF	\$ 35.00	\$ 19,950.00
19	STORM SEWER, CLASS B, TYPE 1, 12"	24.00	LF	\$ 70.00	\$ 1,680.00
20	STORM SEWER, CLASS B, TYPE 2, 24"	1,265.00	LF	\$ 90.00	\$ 113,850.00
21	STORM SEWER REMOVAL	10.00	LF	\$ 50.00	\$ 500.00
22	CONCRETE CULVERT END SECTION, 12"	5.00	EA	\$ 1,100.00	\$ 5,500.00
23	CONCRETE CULVERT END SECTION, 24"	2.00	EA	\$ 1,750.00	\$ 3,500.00
24	REMOVE CONCRETE END SECTION	1.00	EA	\$ 250.00	\$ 250.00
25	RIPRAP, RR3 WITH FABRIC AND BEDING STONE	90.00	SY	\$ 125.00	\$ 11,250.00
26	AGGREGAE BASE COURSE, 12"	11,890.00	SY	\$ 25.00	\$ 297,250.00
27	PCC PAVEMENT, REINFORCED, 8"	11,890.00	SY	\$ 100.00	\$ 1,189,000.00
28	REMOVE AND REINSTALL WD BUMPER POST	2.00	EA	\$ 750.00	\$ 1,500.00
29	PRECAST CONCRETE BOX CULVERTS, 6'WX3H SPECIAL	510.00	LF	\$ 700.00	\$ 357,000.00
30	CONCRETE BOX CULVERTS	65.00	CY	\$ 1,000.00	\$ 65,000.00
31	REINFORCEMENT BARS, EPOXY COATED	17,745.00	LB	\$ 3.00	\$ 53,235.00
32	MEMBRANE WATERPROOFING FOR BURIED STRUCTURES	2,267.00	SY	\$ 45.00	\$ 102,015.00
33	BONDS & INSURANCE	1.00	LS	\$ 20,000.00	\$ 20,000.00
34	MOBILIZATION	1.00	LS	\$ 25,000.00	\$ 25,000.00

ESTIMATED CONTRACT AMOUNT \$ 3,077,605.00

Construction Contingency (15%) \$ 461,640.75

Engineering Design, Construction Services, Project Administration (15%) \$ 461,640.75

ESTIMATED PROJECT TOTAL \$ 4,000,886.50

Name

Title