

OPINION OF PROBABLE CONSTRUCTION COSTS

ROCHE STREET CULVERT REPLACEMENT



Final Plan Submittal

Knoxville, Iowa

Snyder Project Number: 119.0729

Division 1: City of Knoxville

Division 2: Knoxville Water Works

ITEM	ITEM NUMBER	ITEM DESCRIPTION	UNIT	UNIT PRICE	DIVISION 1 QUANTITY	DIVISION 2 QUANTITY	DIVISION 1 EXTENDED PRICE	DIVISION 2 EXTENDED PRICE	TOTAL EXTENDED PRICE
2.01	2010-108-A-0	Clearing and Grubbing	LS	\$ 5,000	1		\$ 5,000	\$ -	\$ 5,000
2.02	2010-108-D-1	Topsoil, On-site	CY	\$ 40	150		\$ 6,000	\$ -	\$ 6,000
2.03	2010-108-E-0	Excavation, Class 10	CY	\$ 15	1125		\$ 16,875	\$ -	\$ 16,875
2.04	2010-108-G-0	Subgrade Preparation	SY	\$ 5	341		\$ 1,705	\$ -	\$ 1,705
2.05	2010-108-I-0	Subbase, Modified, 6 Inches	SY	\$ 20	341		\$ 6,820	\$ -	\$ 6,820
2.06	2010-108-L-0	Compaction Testing	LS	\$ 1,500	1		\$ 1,500	\$ -	\$ 1,500
3.01	3010-108-F-0	Trench Compaction Testing	LS	\$ 2,000	0.93	0.07	\$ 1,860	\$ 140	\$ 2,000
4.01	4010-108-A-1	Sanitary Sewer Gravity Main, Trenched, PVC, 8 In.	LF	\$ 100	46		\$ 4,600	\$ -	\$ 4,600
4.02	4010-108-H-0	Removal of Sanitary Sewer, 8 In.	LF	\$ 30	46		\$ 1,380	\$ -	\$ 1,380
4.03	4020-108-A-1	Storm Sewer, Trenched, RCP, 15 In.	LF	\$ 100	50	84	\$ 5,000	\$ 8,400	\$ 13,400
4.04	4020-108-C-0	Removal of Storm Sewer, RCP, 15 In.	LF	\$ 20	53	88	\$ 1,060	\$ 1,760	\$ 2,820
4.05	4040-108-A-0	Subdrain, HDPE, 4 In.	LF	\$ 20	220		\$ 4,400	\$ -	\$ 4,400
4.06	4040-108-C-0	Subdrain Cleanout, Type A-1, 6 In.	EA	\$ 500	4		\$ 2,000	\$ -	\$ 2,000
4.07	4040-108-E-0	Subdrain Outlets and Connections	EA	\$ 300	4		\$ 1,200	\$ -	\$ 1,200
5.01	5010-108-A-1	Water Main, Trenched, C900 PVC, 8 In.	LF	\$ 80		137	\$ -	\$ 10,960	\$ 10,960
5.02	5010-109-C-1	Fitting, 8" x 45° Bend	EA	\$ 750		8	\$ -	\$ 6,000	\$ 6,000
5.03	5010-109-C-1	Fitting, 8" x 6" Reducer	EA	\$ 750		1	\$ -	\$ 750	\$ 750
5.04	5010-108-D-0	Water Service Stub	EA	\$ 1,000		1	\$ -	\$ 1,000	\$ 1,000
5.05	5010-999-9-9	Water Main, Insulation	LF	\$ 125		22	\$ -	\$ 2,750	\$ 2,750
5.06	5010-999-9-9	Water Main, Abandon or Remove, 6 In.	LF	\$ 20		127	\$ -	\$ 2,540	\$ 2,540
5.07	5010-999-9-9	Water Main, Connection to Existing	EA	\$ 1,500		2	\$ -	\$ 3,000	\$ 3,000
6.01	6010-108-B-0	Intake, SW-501	EA	\$ 3,000	1		\$ 3,000	\$ -	\$ 3,000
6.02	6010-108-B-0	Intake, SW-503	EA	\$ 6,000	1		\$ 6,000	\$ -	\$ 6,000
6.03	6010-108-E-0	Manhole Adjustment, Major	EA	\$ 1,500	1		\$ 1,500	\$ -	\$ 1,500
6.04	6010-108-H-0	Remove Intake	EA	\$ 500	2		\$ 1,000	\$ -	\$ 1,000
7.01	7010-108-A-0	Pavement, PCC, 7 In.	SY	\$ 70	293		\$ 20,510	\$ -	\$ 20,510
7.02	7010-108-D-0	Special Subgrade Compaction for Shared Use Path	SY	\$ 5	307		\$ 1,535	\$ -	\$ 1,535
7.03	7010-108-I-0	PCC Pavement Samples and Testing	LS	\$ 2,000	1		\$ 2,000	\$ -	\$ 2,000
7.04	7030-108-I-0	Shared Use Path, PCC, 6 In.	SY	\$ 55	221		\$ 12,155	\$ -	\$ 12,155
7.05	7030-108-G-0	Detectable Warning, Cast Iron	SF	\$ 50	24		\$ 1,200	\$ -	\$ 1,200
7.06	7030-108-H-1	Driveway, Paved, PCC, 6 In.	SY	\$ 100	10		\$ 1,000	\$ -	\$ 1,000
7.07	7030-999-9-9	Temporary Surfacing, 12 In.	TON	\$ 40	150		\$ 6,000	\$ -	\$ 6,000
7.08	7040-108-H-0	Pavement Removal	SY	\$ 20	305		\$ 6,100	\$ -	\$ 6,100
8.01	8030-108-A-0	Temporary Traffic Control	LS	\$ 10,000	0.93	0.07	\$ 9,300	\$ 700	\$ 10,000
8.02	8030-999-9-9	Temporary Barrier Rail	LF	\$ 30	300		\$ 9,000	\$ -	\$ 9,000
9.01	9040-108-D-1	Filter Sock, 12 Inch.	LF	\$ 5	410		\$ 2,050	\$ -	\$ 2,050
9.02	9040-108-D-2	Filter Sock, Removal	LF	\$ 2	410		\$ 820	\$ -	\$ 820
9.03	9040-108-J-0	Rip Rap	TON	\$ 60	262		\$ 15,720	\$ -	\$ 15,720
9.04	9040-108-Q-0	Erosion Control Mulching, Hydromulching with Temporary Seed	AC	\$ 5,000	0.3		\$ 1,500	\$ -	\$ 1,500
9.05	9040-108-Q-0	Hydroseeding, Fertilizer, Hydromulch, Type 1 Seeding	AC	\$ 10,000	0.3		\$ 3,000	\$ -	\$ 3,000
11.01	11,010-108-A	Construction Survey	LS	\$ 7,000	0.93	0.07	\$ 6,510	\$ 490	\$ 7,000

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11.02	11,020-108-A	Mobilization	LS	\$ 40,000	0.93	0.07	\$ 37,200	\$ 2,800	\$ 40,000
11.03	11,030-108-A-0	Maintenance of Postal Service	LS	\$ 1,000	1		\$ 1,000	\$ -	\$ 1,000
11.04	11,030-108-B-0	Maintenance of Solid Waste Collection	LS	\$ 1,000	1		\$ 1,000	\$ -	\$ 1,000
11.05	11,050-108-A-0	Concrete Washout	LS	\$ 2,500	1		\$ 2,500	\$ -	\$ 2,500
Structural Quantities									
99.01	2102-0425071	SPECIAL BACKFILL	CY	\$ 35	38.8		\$ 1,358	\$ -	\$ 1,358
99.02	2107-3825025	GRANULAR MATERIAL FOR BLANKET AND SUBDRAIN	CY	\$ 50	72.4		\$ 3,620	\$ -	\$ 3,620
99.03	2401-6745650	REMOVAL OF EXISTING STRUCTURES	LS	\$ 10,000	1		\$ 10,000	\$ -	\$ 10,000
99.04	2402-2720000	EXCAVATION, CLASS 20	CY	\$ 28	902		\$ 25,256	\$ -	\$ 25,256
99.05	2415-2100000	PRECAST CONCRETE BOX CULVERT	LF	\$ 1,800	74		\$ 133,200	\$ -	\$ 133,200
99.06	2415-2200000	PRECAST CONCRETE BOX CULVERT STRAIGHT END SECTION	EA	\$ 24,000	2		\$ 48,000	\$ -	\$ 48,000
99.07	2501-8400172	TEMPORARY SHORING	LS	\$ 30,000	1		\$ 30,000	\$ -	\$ 30,000
99.08	2519-1001000	FENCE, CHAIN LINK, VINYL COATED	LF	\$ 115	75.3		\$ 8,660	\$ -	\$ 8,660

CONSTRUCTION TOTAL (Rounded): \$ 471,090 \$ 41,290 \$ 512,380