PROBABLE COST OF CONSTRUCTION

Broad Street Culvert Replacement 5/26/2020

STD.	ITEM DESCRIPTION	QUANTITY		COST PER UNIT		TOTAL COST
	1. Site Demolition					
SP	A. Tree Protection Fence	350	LF	3.00	LF	1,050.00
340	B. Pipe Removal	14	LF	35.00	LF	490.00
SP	C. Flowable Fill	4.7	CY	750.00	CY	3,525.00
200	D. Clearing and Grubbing	1.0	LS	2,000.00	LS	2,000.00
200	E. Select Tree Removal	5	EA	2,500.00	EA	12,500.00
				Subtotal Site Demolition:		**19,565.00**
	2. Earthwork					
260	A. Proof Roll	1.0	HR	200.00	HR	200.00
300	B. Foundation Conditioning Material	25	TON	60.00	TON	1,500.00
300	C. Foundation Conditioning Geotextile	120	SY	5.00	SY	600.00
230	D. Borrow Excavation (Temporary Detour)	35	CY	40.00	CY	1,400.00
225	E. Unclassified Excavation	90	CY	40.00	CY	3,600.00
				Subtotal Earthwork:		**7,300.00**
	3. Erosion Control					
1005	A. #57 Stone	20	TON	45.00	TON	900.00
876	B. Rip Rap, Class A	10	TON	50.00	TON	500.00
SP	C. Boulders	20	TON	80.00	TON	1600.00
876	D. Geotextile for Drainage	40	SY	5.00	SY	200.00
1605	E. Temporary Silt Fence	200	LF	4.00	LF	800.00
1610	F. Erosion Control Stone, Class B	24	TON	60.00	TON	1,440.00
1610	G. Sediment Control Stone	20	TON	40.00	TON	800.00
1630	H. Silt Excavation	30	CY	15.00	CY	450.00
SP	I. Coir Fiber Matting	550	SY	5.00	SY	2,750.00
1632	J. 1/4" Hardware Cloth	50	LF	8.00	LF	400.00
SP	K. Coir Fiber Wattle	60	LF	15.00	LF	900.00
1660	L. Seeding and Mulching	0.05	AC	6,000.00	AC	300.00
SP	M. Impervious Dike	20	LF	150.00	LF	3,000.00
SP	N. Riparian Buffer Restoration	1	LS	5,000.00	LS	5,000.00
SP	O. Concrete Washout Structure	1	EA	2,000.00	EA	2,000.00
				Subtotal Erosion Control:		**21,040.00**
	4. Construction Surveying, Layout & As-Built					
SP	A. Construction Surveying and Layout	1	LS	1,000.00	LS	1,000.00
SP	B. As-Built Survey (Prepared by PLS)	1	LS	1,000.00	LS	1,000.00
				Subtotal Surveying & Layout:		**2,000.00**
	5. Storm Drainage					
310	A. 54" R.C. Pipe Culvert, Class III	60	LF	250.00	LF	15,000.00
838	B. Reinforced Endwall	5.0	CY	1,500.00	CY	7,500.00
876	C. Rip Rap, Class I	27	TON	60.00	TON	1,620.00
416	D. Channel Excavation	125	CY	40.00	CY	5,000.00
876	E. Geotextile for Drainage, Type 2	46	SY	5.00	SY	230.00
SP	F. 12" Temporary Pipe	20	LF	30.00	LF	600.00
SP	G. 24" Temporary Pipe	68	LF	45.00	LF	3,060.00
SP	H. Impervious Select Material (Stream Plug)	16	CY	60.00	CY	960.00
				Subtotal Storm Drainage:		**33,970.00**
	6. Curb, Stone Base and Paving					
520	A. ABC Stone (6" Thick)	60	TON	40.00	TON	2,400.00
848	B. 6" Concrete Driveway	12	SY	60.00	SY	720.00
545	B. Incidental Stone Base	30	TON	40.00	TON	1,200.00
				Subtotal Curb, Stone Base and Paving:		**4,320.00**
	7. Utilities					
OWASA	A. 2" PVC Water Line Replacement (Class 200)	25	LF	50.00	LF	1,250.00
OWASA	B. Select Backfill	10	TON	50.00	TON	500.00
OWASA	C. 2" Water Line Abandonment	170	LF	5.00	LF	850.00
OWASA	D. Copper Tubing for Water Service(s) (Open Cut)	65	LF	25.00	LF	1,625.00
SP	E. Utility Coordination	1	LS	2,500.00	LS	2,500.00
				Subtotal Utilities:		**6,725.00**
	8. Miscellaneous					
800	A. Mobilization (5% Max)	1	LS	5,200.00	LS	5,200.00
150	B. Maintenance of Traffic	1	LS	2,000.00	LS	2,000.00
SP	C. Temporary Shoring	130	SF	50.00	SF	6,500.00
				Subtotal Miscellaneous:		**13,700.00**
				Subtotal of Items 1 - 8:		**$108,620.00**
				25% Contingency:		**$27,155.00**
				TOTAL OF PROBABLE COST OF CONSTRUCTION:		**$135,775.00**