

Beulah Road Trunk Sewer Rehabilitation - BID TABULATION

Ref. No.	Item	Item Descriptions	Estimated Quantity	Unit	Estimated Unit Price	Estimated Cost	Reynolds		Kokosing				
							BID Unit Price	BID Cost	BID Unit Price	BID Cost			
1	201	Clearing & Grubbing for Access	1	LS	\$20,000.00	\$20,000.00	\$67,500.00	\$67,500.00	\$20,000.00	\$20,000.00			
2	207	Erosion Controls	1	LS	\$20,000.00	\$20,000.00	\$3,780.00	\$3,780.00	\$5,000.00	\$5,000.00			
3	252	Park Pathway Pavement Replacement	500	CY	\$125.00	\$62,500.00	\$286.00	\$143,000.00	\$65.00	\$32,500.00			
4	614	Maintaining Traffic	1	LS	\$5,000.00	\$5,000.00	\$17,200.00	\$17,200.00	\$1,000.00	\$1,000.00			
5	615	Temporary Aggregate Access Drive(s)	1,000	SY	\$30.00	\$30,000.00	\$22.00	\$22,000.00	\$100.00	\$100,000.00			
6	623	Construction Layout Stakes	1	LS	\$2,500.00	\$2,500.00	\$2,700.00	\$2,700.00	\$2,500.00	\$2,500.00			
7	624	Mobilization	1	LS	\$10,000.00	\$10,000.00	\$32,000.00	\$32,000.00	\$100,000.00	\$100,000.00			
8	659	Seeding and Mulching	5,000	SY	\$2.00	\$10,000.00	\$1.10	\$5,500.00	\$2.70	\$13,500.00			
9	SS-3	Flow Maintenance and Bypass Pumping	1	LS	\$800,000.00	\$800,000.00	\$232,612.00	\$232,612.00	\$140,000.00	\$140,000.00			
10	SS-9	Internal Host Pipe Repair	10	SF	\$75.00	\$750.00	\$420.00	\$4,200.00	\$0.01	\$0.10			
11	SS-10A	Manhole Rehabilitation (CIP Liner on 22 MHs)	290.6	VLF	\$650.00	\$188,890.00	\$818.00	\$237,710.80	\$810.00	\$235,386.00			
12	SS-10B	Manhole Rehabilitation (Cementitious Lining on 3 MHs)	57.1	VLF	\$225.00	\$12,847.50	\$246.00	\$14,046.60	\$300.00	\$17,130.00			
13	SS-10	MH #7 Locate, Raise to Grade, new 24" Frame & Cover	1	EA	\$3,500.00	\$3,500.00	\$5,670.00	\$5,670.00	\$30,000.00	\$30,000.00			
14	SS-10	MH #9 & #10 Paint Exterior	2	EA	\$400.00	\$800.00	\$4,224.00	\$8,448.00	\$1,500.00	\$3,000.00			
15	SS-10	MH #22 Remove Steel Bars	1	EA	\$300.00	\$300.00	\$2,600.00	\$2,600.00	\$1.00	\$1.00			
16	SS-10	MH #23 Replace Above Ground Structure, 24" Bolt Down	1	EA	\$2,500.00	\$2,500.00	\$8,100.00	\$8,100.00	\$12,000.00	\$12,000.00			
17	SS-10	MH Frame & Cover Replacement, 24" Bolt Down	2	EA	\$1,500.00	\$3,000.00	\$2,000.00	\$4,000.00	\$2,400.00	\$4,800.00			
18	SS-10	MH Frame & Cover Replacement, 36" Bolt Down	7	EA	\$2,000.00	\$14,000.00	\$2,268.00	\$15,876.00	\$2,500.00	\$17,500.00			
19	SS-10	MH Lowered to Grade, New Flat Slab Top with 27" Castings	14	EA	\$15,000.00	\$210,000.00	\$7,830.00	\$109,620.00	\$10,000.00	\$140,000.00			
20	SS-10	Lateral Sewer Reestablished in the Manholes	18	EA	\$150.00	\$2,700.00	\$162.00	\$2,916.00	\$125.00	\$2,250.00			
21	SS-12	30-inch CIPP Liner, 13.5-mm thickness	3,386	LF	\$170.00	\$575,620.00	\$162.00	\$548,532.00	\$209.00	\$707,674.00			
22	SS-12	30-inch CIPP Liner, 15.0-mm thickness	597	LF	\$175.00	\$104,475.00	\$166.00	\$99,102.00	\$211.00	\$125,967.00			
23	SS-12	30-inch CIPP Liner, 19.5-mm thickness	310	LF	\$190.00	\$58,900.00	\$172.00	\$53,320.00	\$224.00	\$69,440.00			
24	SS-12	30-inch CIPP, 1.5-mm incremental wall thickness inc./dec.	12,879	LF	\$5.00	\$64,395.00	\$2.12	\$27,303.48	\$0.01	\$128.79			
25	SS-12	Lateral Protrusion, Trimmed	3	EA	\$800.00	\$2,400.00	\$1,042.00	\$3,126.00	\$250.00	\$750.00			
26	SS-12	Lateral Sewer Reestablished in the Sewer Pipe	3	EA	\$300.00	\$900.00	\$600.00	\$1,800.00	\$2,000.00	\$6,000.00			
27	SS-12	Pre-Liner	4,293	LF	\$5.00	\$21,465.00	\$6.00	\$25,758.00	\$4.00	\$17,172.00			
28	R-1	Stream Restoration (approx. Sta 14+00 to 18+75)	1	LS	\$118,210.00	\$118,210.00	\$172,800.00	\$172,800.00	\$100,000.00	\$100,000.00			
29	R-2	Stream Restoration (approx. Sta 36+00 to 38+00)	1	LS	\$23,190.00	\$23,190.00	\$24,300.00	\$24,300.00	\$20,000.00	\$20,000.00			
30	R-3	Stream Restoration - Tree and Shrub Plantings	1	ALLOW	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00	\$70,000.00			
SUBTOTAL - BASE BID ITEMS						\$2,438,842.50	\$1,965,520.88		\$1,993,698.89				
CONTINGENCY						25.00%	\$609,710.63	25.00%		\$491,380.22	25.00%		\$498,424.72
TOTAL						\$3,048,553.13	\$2,456,901.10		\$2,492,123.61				

% DIFFERENCE FROM ENGINEER'S ESTIMATE
 Bond Amount (Page P-11)
 Bonding Company (Page P-11)
 Proposal Bond Amount Required
 Contract Compliance No. (Page P-2a)
 Non-Collusion Affidavit Completed? (Page P-10)
 Local Vendor? (Page P-3)
 Addendum Acknowledgement Completed? (Page P-3)
 Proposal Affidavit Completed? (Page P-15)

-19.41%
 Not Requested Yet
 \$0.00
 01-0684682
 Not Requested Yet
 Not Requested Yet
 Not Requested Yet
 Not Requested Yet

-18.25%
 Not Requested Yet
 \$0.00
 31-1023518
 Not Requested Yet
 Not Requested Yet
 Not Requested Yet
 Not Requested Yet

Beulah Road Trunk Sewer Rehabilitation - BID

Reference No.	Item	Item Descriptions	Estimated Quantity	Unit	Estimated Unit Price	Estimated Cost
1	201	Clearing & Grubbing for Access	1	LS		
2	207	Erosion Controls	1	LS		
3	252	Park Pathway Pavement Replacement	500	CY		
4	614	Maintaining Traffic	1	LS		
5	615	Temporary Aggregate Access Drive(s)	1,000	SY		
6	623	Construction Layout Stakes	1	LS		
7	624	Mobilization	1	LS		
8	659	Seeding and Mulching	5,000	SY		
9	SS-3	Flow Maintenance and Bypass Pumping	1	LS		
10	SS-9	Internal Host Pipe Repair	10	SF		
11	SS-10A	Manhole Rehabilitation (CIP Liner on 22 MHs)	290.6	VLF		
12	SS-10B	Manhole Rehabilitation (Cementitious Lining on 3 MHs)	57.1	VLF		
13	SS-10	MH #7 Locate, Raise to Grade, new 24" Frame & Cover	1	EA		
14	SS-10	MH #9 & #10 Paint Exterior	2	EA		
15	SS-10	MH #22 Remove Steel Bars	1	EA		
16	SS-10	MH #23 Replace Above Ground Structure, 24" Bolt Down	1	EA		
17	SS-10	MH Frame & Cover Replacement, 24" Bolt Down	5	EA		
18	SS-10	MH Frame & Cover Replacement, 36" Bolt Down	5	EA		
19	SS-10	MH Lowered to Grade, New Flat Slab Top with 27" Castings	11	EA		
20	SS-10	Lateral Sewer Reestablished in the Manholes	18	EA		
21	SS-12	30-inch CIPP Liner, 13.5-mm thickness	3,386	LF		
22	SS-12	30-inch CIPP Liner, 15.0-mm thickness	597	LF		
23	SS-12	30-inch CIPP Liner, 19.5-mm thickness	310	LF		
24	SS-12	30-inch CIPP, 1.5-mm incremental wall thickness inc./dec.	12,879	LF		
25	SS-12	Lateral Protrusion, Trimmed	3	EA		
26	SS-12	Lateral Sewer Reestablished in the Sewer Pipe	3	EA		
27	SS-12	Pre-Liner	4,293	LF		
28	R-1	Stream Restoration (approx. Sta 14+00 to 18+75)	1	LS		
29	R-2	Stream Restoration (approx. Sta 36+00 to 38+00)	1	LS		
30	R-3	Stream Restoration - Tree and Shrub Plantings	1	LS		
		SUBTOTAL - BASE BID ITEMS				
		Contingency			25.00%	
		TOTAL - BASE BID ITEMS + Contingency & Acceleration				

Beulah Road Trunk Sewer Rehabilitation
ENGINEER'S ESTIMATE OF PROBABLE CONSTRUCTION COSTS

Reference No.	Item	Item Descriptions	Estimated Quantity	Unit	Estimated Unit Price	Estimated Cost
1	201	Clearing & Grubbing for Access Drive	1	LS	\$20,000.00	\$20,000.00
2	207	Erosion Controls	1	LS	\$20,000.00	\$20,000.00
3	252	Park Pathway Pavement Replacement	500	CY	\$125.00	\$62,500.00
4	614	Maintaining Traffic	1	LS	\$5,000.00	\$5,000.00
5	615	Temporary Aggregate Access Drive(s)	1,000	SY	\$30.00	\$30,000.00
6	623	Construction Layout Stakes	1	LS	\$2,500.00	\$2,500.00
7	624	Mobilization	1	LS	\$10,000.00	\$10,000.00
8	659	Seeding and Mulching	5,000	SY	\$2.00	\$10,000.00
9	SS-3	Flow Maintenance and Bypass Pumping	1	LS	\$800,000.00	\$800,000.00
10	SS-9	Internal Host Pipe Repair	10	SF	\$75.00	\$750.00
11	SS-10A	Manhole Rehabilitation (CIP Liner on 22 MHs)	290.6	VLF	\$650.00	\$188,890.00
12	SS-10B	Manhole Rehabilitation (Cementitious Lining on 3 MHs)	57.1	VLF	\$225.00	\$12,847.50
13	SS-10	MH #7 Locate, Raise to Grade, new 24" Frame & Cover	1	EA	\$3,500.00	\$3,500.00
14	SS-10	MH #9 & #10 Paint Exterior	2	EA	\$400.00	\$800.00
15	SS-10	MH #22 Remove Steel Bars	1	EA	\$300.00	\$300.00
16	SS-10	MH #23 Replace Above Ground Structure, 24" Bolt Down	1	EA	\$2,500.00	\$2,500.00
17	SS-10	MH Frame & Cover Replacement, 24" Bolt Down	5	EA	\$1,500.00	\$7,500.00
18	SS-10	MH Frame & Cover Replacement, 36" Bolt Down	5	EA	\$2,000.00	\$10,000.00
19	SS-10	MH Lowered to Grade, New Flat Slab Top with 27" Castings	11	EA	\$15,000.00	\$165,000.00
20	SS-10	Lateral Sewer Reestablished in the Manholes	18	EA	\$150.00	\$2,700.00
21	SS-12	30-inch CIPP Liner, 13.5-mm thickness	3,386	LF	\$170.00	\$575,620.00
22	SS-12	30-inch CIPP Liner, 15.0-mm thickness	597	LF	\$175.00	\$104,475.00
23	SS-12	30-inch CIPP Liner, 19.5-mm thickness	310	LF	\$190.00	\$58,900.00
24	SS-12	30-inch CIPP, 1.5-mm incremental wall thickness inc./dec.	12,879	LF	\$5.00	\$64,395.00
25	SS-12	Lateral Protrusion, Trimmed	3	EA	\$800.00	\$2,400.00
26	SS-12	Lateral Sewer Reestablished in the Sewer Pipe	3	EA	\$300.00	\$900.00
27	SS-12	Pre-Liner	4,293	LF	\$5.00	\$21,465.00
28	R-1	Stream Restoration (approx. Sta 14+00 to 18+75)	1	LS	\$118,210.00	\$118,210.00
29	R-2	Stream Restoration (approx. Sta 36+00 to 38+00)	1	LS	\$23,190.00	\$23,190.00
30	R-3	Stream Restoration - Tree and Shrub Plantings	1	LS	\$30,000.00	\$30,000.00
SUBTOTAL - BASE BID ITEMS						\$2,354,342.50
Emergency Project Acceleration					20.00%	\$470,868.50
Contingency					25.00%	\$588,585.63
TOTAL - BASE BID ITEMS + Contingency & Acceleration						\$3,413,796.63

Previous Emergency Work Completed by Kokosing (9/2008) - Approximate Cost

SS-12	Lining of MH #6 to MH #8 with a preliner (18.0 mm thickness)	730	LF	
SS-12	Lining of MH #6 to MH #4 (22.5 mm thickness)	712	LF	
SS-12	Lining of MH #4 to MH #3 (16.5 mm thickness)	213	LF	\$300,000.00
SS-3	Temporary Flow Bypass - Dual 16" HDPE Pipe from MH #10 to MH #2	2218	LF	\$400,000.00
SUBTOTAL				\$700,000.00

TOTAL \$4,113,796.63

Beulah Road Trunk Sewer Rehabilitation
Preliminary Estimate from 2005
CIP 625

	Quantity	Unit	Price	Amount
30" Cured-in-Place Pipe (CIPP) (18mm median thickness)	6000	LF	\$225	\$1,350,000
1.5mm incremental wall thickness increase or decrease	18000	LF	\$8	\$144,000
Lateral Reinstatement - Pipe	5	each	\$500	\$2,500
Lateral Reinstatement - Manhole	13	each	\$300	\$3,900
Trim Protruding Lateral Sewer	8	each	\$500	\$4,000
Manhole Rehabilitation - Internal				
Good Condition	10	each	\$200	\$2,000
Fair Condition	6	each	\$500	\$3,000
Poor Condition	10	each	\$3,000	\$30,000
Manhole Rehabilitation - External*	18	each	\$2,500	\$45,000
Point Repairs	10	LF	\$1,500	\$15,000
Chemical Grouting	50	gal	\$100	\$5,000
Bypass Pumping	1	Lump Sum	\$1,250,000	\$1,250,000
Temporary Sediment & Erosion Control	1	Lump Sum	\$5,000	\$5,000
Seeding & Mulching	5556	SY	\$5	\$27,780
Difficult Access/Work in Stream	1	Lump Sum	\$50,000	\$50,000
Maintaining Traffic	1	Lump Sum	\$10,000	\$10,000
Subtotal				\$2,947,180
Contingency (20%)				\$589,436
Total				\$3,536,616

*Lowering to grade, rip-rap, etc.