



September 8, 2020

City of Smyrna
Attn: Bo Jones
2190 Atlanta Road SE
Smyrna, GA 30080

Bid Proposal: Floyd Drive Storm Rehabilitation
Smyrna, Georgia
Geopolymer Pipe Rehabilitation

Mr. Jones,

IPR Southeast (IPR SE) is pleased to offer the following proposal pricing to provide geopolymer rehabilitation services of the 60 and 48-Inch storm sewer lines for the above referenced project. Our proposal is based on the information provided by the City to IPR Southeast. This pricing includes providing all labor, material, supervision, and equipment necessary to complete the scope of work as listed below.

Scope of work performed by IPR SE:

- Provide pre-work submittals.
- IPR SE will perform pre-rehab CCTV & cleaning (normal only). CCTV footage will be completed via hand held camera and walking through the existing culvert. Two-wheel drive vehicle access to manholes is required for this work.
- Existing pipe is assumed to be in good condition with no major joint, infiltration or inflow issues. Minor leaks and joint preparation will be addressed during our geopolymer process; these are limited to 'runners' or less as defined by NAASCO PACP standards.
- Invert repairs are limited to the application of Geopolymer material at the proposed thickness.
- Geopolymer rehabilitation to be completed per manufacturer's standards to an application thickness of 1.5". Material application will follow the existing contours of the pipe interior.
- IPR SE will perform post lining CCTV inspection upon completion of our scope to confirm rehab work. CCTV footage will be completed via hand held camera and walking through the existing culvert.
- Pipe rehabilitation pricing is based on completing diameters & associated quantities as listed in this proposal's schedule of values.
- Demobilize all construction equipment and clean-up of all identifiable debris generated by IPR SE crew(s).
- Proposal includes costs for one mobilization. Additional mobilizations could result in additional charges.

This pricing does not include the cost for the following:

- Furnishing Bid, Performance, or Payment Bonds.

SMYRNA ECOCAST PROPOSAL					
IPR Southeast, LLC					
Project Location:			560 Powder Springs St, Smyrna		
Prepared By:			J. Jenkins		
Date Estimate Prepared:			9/2/2020		
PO #:			Project #		
Total Estimate:			\$339,063.38		
10% Contingency:			\$33,906.34		
Grand Total of Estimate:			\$372,969.71		
Pre-Lining:					
Clean & CCTV pipes					
Invert Repair					
Grout joints					
Fix leaks					
Bypass and run time					
Lining:					
Pipe #1 (JB1 to JB2) 60" x 550 LF @ 1.5" thick - ECOCAST					
Pipe #2 (JB2 to JB3) 48" x 150 LF @ 1.5" thick - ECOCAST					
Post-Lining:					
Item #	Description	Quantity	Unit	Unit Cost	Total Cost
SECTION A (COMMON CIVIL WORK)					
Erosion And Sediment Control					
25	Hay bales complete	20	EA	\$36.75	\$ 735.00
Storm Line Television Inspection (For Pipe Investigation Only)					
51	Storm Line TV Inspection	700	LF	\$2.26	\$ 1,580.25
Storm Line Cleaning					
62	60" pipe - light	550	LF	\$9.45	\$ 5,197.50
95	>36" to 78" pipe - specialty	150	LF	\$31.50	\$ 4,725.00
Structure Rehabilitation					
102	Invert installation, other configurations	1275	SF	\$19.43	\$ 24,766.88
104	Mortar grout crack/joint	419	LF	\$63.00	\$ 26,381.25
Point Repairs					
105	Internal pipe point repairs Includes cutting, trimming, jacking, etc.	150	LF	\$204.75	\$ 30,712.50
Bypass Pumping					
108	Bypass pumping setup - equipment and hose placement	6	EA	\$630.00	\$ 3,780.00
109	4" pumping operation time	120	HR	\$63.00	\$ 7,560.00
Traffic control					
270	Traffic control minor total per project	1	EA	\$4,987.50	\$ 4,987.50
SECTION D (CENTRIFUGALLY CAST PIPE)					
Centrifugally Cast Pipe (CCP)					
423	CCP for 48" pipe - 1.0 in min thickness	150	LF	\$257.25	\$ 38,587.50
425	CCP for 60" pipe - 1.0 in min thickness	550	LF	\$267.75	\$ 147,262.50
440	Additional cost per 0.5 in thickness - 48" pipe	150	LF	\$15.75	\$ 2,362.50
442	Additional cost per 0.5 in thickness - 60" pipe	550	LF	\$73.50	\$ 40,425.00
Total Estimate					\$339,063.38
10% Contingency					\$33,906.34
Grand Total of Estimate					\$372,969.71