LEWIS CONCRETE RESTORATION

Physical: 9209 Williamson Rd, Buda, TX 78610

A Specialty Concrete Coating and Restoration Company
****TX HUB and MWSBE Certified Austin and South Texas *AR, LA, TN, MS Contractor***

July 1, 2024

Estimator

RE: Sounders Street South of Medlin St – 48" Invert and Joint Repair
Seguin, TX

We are pleased to submit our proposal for the surface preparation and coating of the above referenced project.

Scope of Work:

Heavy Debris removal and cleaning of existing 48" CMP pipe - man entry…$50/LF
Estimated 350 LF @ $50/LF = $17,500
Invert repair with void filling - Geospray – 4 o'clock to 8 o'clock position - $150/LF
Estimated 350 LF @ $150/LF = $52,500
Joint Repair with Geospray at 1" thick over existing open joint –
one foot on either side of open joint (2 LF total) $1,000/EA
Estimated 1 @ $1,000 = $1,000
(NO WARRANTY DUE TO NOT LINING COMPLETE PIPE FOR STRUCTURAL SOUNDNESS)
Total invoice of $71,000

Additive alternate pricing for full structural lining of existing 48" CMP with Geospray applied at 1" thickness (invert pricing and cleaning will be still be applicable)..... $320/LF
Estimated 350 LF @ $320/LF = $112,000
(COMPLETE 1 YEAR WARRANTY)
Total with additive alternate = $183,000

Note: Pricing Valid for 30 days. Additional waivers-$250. Additional Insurance required beyond current coverage, client to be charged full amount. All Additional/Onsite Safety classes will be charged accordingly. Registration requirements to data bases will be charged accordingly. 2 weeks' notice prior to mobilization.

Payment: Net Due 30 Days

Lewis Concrete Restoration (LCR) will provide:
All labor, material, equipment, pre-approved insurance, water blaster, scaffolding, and supervision necessary to complete the scope of work. All material will be applied to city specifications. Water infiltration is not included. Bypass pumping is not included. LCR warrants workmanship (non-bonded) of scope of work performed for 1 year. Owner or Contractor is responsible for defects and/or changes in substrate caused by owner or acts by nature.

Phone: 512.983.4400 Email: ahoffman@lewisconcreterestoration.com

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Client to provide: Payment Bond information required prior to mobilization.
No bypass pumping supplied by LCR. Plugs or other devices utilized for diverting water will be charged accordingly. Uninterrupted access to jobsite, suitable water source for waterblasting, Any and all traffic control, contract required or purchase order number needed to proceed, LCR job information form, and Sales Tax Exempt/Resale certificate. All change orders require signed contract or PO prior to commencement of work. Contractor to provide actual field measurements and timely notice within 30 days of LCR's invoice date of discrepancies found.

If you have any questions regarding this quote, please contact Eric Lewis @ 512-923-6724 or Aaron Hoffman @ 512-983-4400

Phone: 512.983.4400 Email: ahoffman@lewisconcreterestoration.com

GEOTREE

Submittal Document Package for GeoSpray Geopolymer

Document Description

The information provided in this document package is intended for confidential consideration by the Owner or the Engineer as identified in the project plans and specifications. The information provided herein is an accurate representation of properties and performance of GeoSpray Geopolymer Mortar used for Large Diameter Pipe and Manhole Rehabilitation and is updated periodically. The information provided is not exhaustive and may be supplemented as deemed appropriate by the reviewer at the reviewers request.

GEOSPRAY®

Geopolymer Mortar

WATER/WASTEWATER

DON'T REPLACE, REHABILITATE

GeoSpray® geopolymer mortar is used for rehabilitation of large diameter pipes and structures in Civil Infrastructure and Industrial applications. It is the first geopolymer mortar specifically designed as a structural and corrosion-resistant solution for large diameter storm and sanitary pipes, manholes, wet wells, and treatment plant structures.

GeoSpray geopolymer is a fiber reinforced mortar that looks and feels like Portland cement, but with higher performance properties. Unlike other cementitious liners, the unique GeoSpray mortar chemistry provides superior flexural and compressive strength, as well as ultra-low porosity and high self-bonding which eliminates cold joints. GeoSpray geopolymer is intended for use through multiple application techniques including pouring, troweling, spraying, or centrifugal/spin casting.

ENGINEERED

- Highest flexural strength repair mortar – 1500 psi at 28 days (ASTM C78)
- High early and ultimate strength
- Unique chemistry promotes self-bonding – Eliminating cold joints between applications
- Inherently resistant to H_2S corrosion mechanisms
- Adapts to any shape including: bends, curves and angles
- Most extensive third-party testing in the industry

COST EFFICIENT

- Typically lower installed lifecycle cost compared with alternative rehabilitation methods including: CIPP, slipline and spiral wound
- The larger the diameter the bigger the cost savings
- Minimal installation footprint
- Quick return to service with lower by-pass costs, flexible by-pass options tuned to your project needs
- Eliminate excavation with equipment that fits through 20 inch manholes

SAFE & SUSTAINABLE

- Styrene free with no leachable toxins
- NSF 61 and WRAS certification for potable water
- Third-party evaluation from EPA and other independent laboratories
- Reduces greenhouse gas emissions over Portland cement based systems

GEOTREE

www.geotreesolutions.com

+1.855.655.6750

GEOSPRAY®

Geopolymer Mortar

WATER/WASTEWATER

APPLICATIONS

- Sewers
- Manholes
- Culverts
- Sediment Basins
- Pipes
- Wet Wells

GeoSpray® geopolymer is a high-performance fiber reinforced mortar specifically designed for structural rehabilitation. This high-strength, ultra-low porosity material is made from natural mineral polymers and industrial waste streams. The GeoSpray system is designed for use through multiple application techniques including pouring, placing, trowelling, spraying, or centrifugal casting.

BENEFITS

- Provides physical properties associated with cement mortars, but with the chemistry similar to that of an engineered stone
- Prevents cold joints between layers from its unique chemical nature
- Can be applied monolithically to any shape pipe, including right angles and curves
- Safe and sustainable

TEST METHOD	DURATION	GEOSPRAY
Compressive Strength ASTM C-39/C-109	1 Day 28 Days	Min. 2,500 psi / 17 MPa Min. 8,000 psi / 55 MPa
Flexural Strength ASTM C-78	7 Day 28 Days	750 psi / 5.2 MPa 1500 psi / 10.3 MPa
Modulus of Elasticity ASTM C-469	1 Day 28 Days	3,000,000 psi / 20700 MPa 5,800,000 psi / 40000 MPa
Bond Strength to Concrete ASTM C-882	1 Day 28 Days	Min 900 psi / 6.2 MPa Min. 2,500 psi / 17 MPa
Set Time ASTM C-807 Initial Cure Time	Initial Set Final Set	60 - 75 Minutes 90 - 110 Minutes
Freeze Thaw Durability ASTM C-666	300 Cycles	100% Zero loss
Shrinkage ASTM C-1090	28 Days	0.00% @ 65% R. H.
Tensile Strength ASTM C-496	28 Days	Min. 800 psi / 5.5 MPa

Data shown above reflects results in laboratory controlled conditions.
Reasonable variation of data to be expected.

TYPICAL USES

GeoSpray geopolymer can be used for rehabilitation of pipes and structures in the Civil Infrastructure and Industrial Markets.

GEOTREE

www.geotreesolutions.com
+1.855.655.6750

D&D
SITEWORK & UTILITIES

To:	City Of Seguin	**Contact:**	Billy Hornung P.E.
Address:	205 North River Seguin, TX 78155	**Phone:** **Fax:**	
Project Name:	Saunders Street	**Bid Number:**	2024-0079
Project Location:		**Bid Date:**	

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
1	Mobilization	1.00	LS	$2,515.68	$2,515.68
2	Saw Cut Asphalt	674.00	LF	$3.08	$2,075.92
3	Remove And Replace Sidewalk	80.00	SF	$42.11	$3,368.80
4	42" HP Pipe	337.00	LF	$344.64	$116,143.68
5	Trench Shoring	337.00	LF	$11.55	$3,892.35
6	Potholing Existing Utilities	1.00	LS	$3,878.75	$3,878.75
8	Tree Protection	1.00	LS	$1,847.05	$1,847.05
9	SWPPP	1.00	LS	$3,284.37	$3,284.37
10	Tree Trimming	1.00	LS	$2,773.04	$2,773.04
11	12" Flex Base	220.00	TON	$19.60	$4,312.00

Total Bid Price: $144,091.64

Notes:

- Estimate includes on site port a potty, construction water, potholing by hydrovac, skilled labor and expertise, shoring, rock berms or erosion control logs, concrete collars. disposal of existing CMP
- The flex base pay item is over the secondary backfill per the trench detail, asphalt paving by City
- Excludes, density testing, relocation of existing utilities, hydromuch or revegetation.

ACCEPTED: The above prices, specifications and conditions are satisfactory and hereby accepted. **Buyer:** _____ **Signature:** _____ **Date of Acceptance:** _____	**CONFIRMED:** **D&D Contractors Inc** **Authorized Signature:** _____ **Estimator:**

HP Storm
Submittal Package

Package Contents

1. Brochure
2. Specification
3. Technical notes
4. Corrugated plastic pipe installation guide

ADS

adspipe.com
800-821-6710

HP Storm Pipe

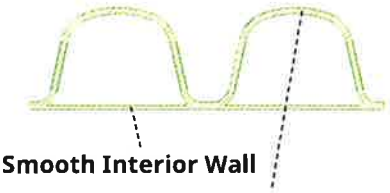
ADS™

HP Storm Pipe 12"–60" for Storm Applications

Overview

HP Storm is a high-performance polypropylene (PP) pipe for gravity-flow storm drainage applications. HP Storm is the perfect choice when premium joint performance and/or greater pipe stiffness is required. HP Storm couples advanced polypropylene resin technology with a proven, dual-wall profile design for superior performance and durability.

Specify HP Storm with confidence based on national standards and approvals. This innovative product meets or exceeds ASTM F2881 and AASHTO M330. From a federal perspective, polypropylene pipe is approved for use by the Army Corps of Engineers for storm drainage applications under Section 33 40 00 (Unified Facilities Guide Specifications). The Federal Aviation Authority (FAA) permits polypropylene pipe under airfield pavements per Item D-701, Pipe for Storm Drains and Culverts in AC 150/5370-10G (Standards for Specifying Construction of Airports). Additionally, the American Railway Engineering and Maintence-of-Way Association (AREMA) approves polypropylene pipe in storm drainage applications under railroads.



Smooth Interior Wall

Advanced Dual Wall Profile Construction

HP Storm pipe utilizes a dual wall construction, providing increased pipe stiffness. The additional stiffness and beam strength enhances jobsite performance in stringent line and grade requirements. The pipe profile is completed with a smooth interior which provides additional strength and excellent flow characteristics.

Superior Polypropylene Material

Made from an engineered impact modified co-polymer compound, the superior strength and material properties of polypropylene offer robust pipe stiffness, excellent handling characteristics, and long service life when compared to traditional storm sewer products. It is highly resistant to chemical attack and is unaffected by soils or effluents with PH ranges 1.5 to 14. The unique light grey resin color provides immediate jobsite recognition as well as improving the pipe's interior visibility during post-installation inspection.

Polypropylene Resin