

**ANNE ARUNDEL COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS**

**LARGE DIAM SEWER MAIN RELINING I
PROPOSAL NO. X7388130
PROJECT NO. X738800**

ADDENDUM NO. 01

August 4, 2009

To Bidders:

This Addendum No. 01 is hereby made a part of the contract documents on which the contract will be based, and is issued to modify, explain and/or correct the original contract documents. Please attach this Addendum to your contract documents and submit bids and be otherwise governed accordingly. Receipt of this Addendum must be acknowledged on Page A4-3 of the Proposal Form.

CHANGES TO CONTRACT SPECIFICATIONS:

DELETE the following sentence on page D-27 of Appendix D: "The inside of all manholes encountered during this project shall be PVC lined."

REPLACE the following sentence on page D-28 of Appendix D: "Designated manholes shall be lined using an approved cured-in-place fiberglass reinforced epoxy liner." With the following:

When directed by the Department of Public Works, the Contractor shall rehabilitate manhole(s) using a corrosion, abrasion, and hydrogen sulfide (H₂S) resistant product matching or exceeding the following product properties:

A spray applied, cementitious pre-packaged fiber reinforced, high strength wet shotcrete material that includes 100% calcium aluminate cement. The product may not contain crystalline silica, portland cement, or related calcium hydroxide hydrates. Product shall have high-density and low-porosity characteristics and a color that is conducive for CCTV video inspection.

Compressive Strength, 24 hours (ASTM C-109)	> 5,500 psi
Tensile Strength (ASTM C-496)	> 900 psi
Flexural Strength, 24 hours (ASTM C-293)	> 1,300 psi
Shrinkage, 24 hours (ASTM C-596) @ 90% relative humidity	< 0.04 psi
Bond Strength, Slant Shear (ASTM C-882)	> 2,300 psi @ 28 days

Acceptable products include: Sewpercoat by Kerneous, Inc. No alternates will be considered.

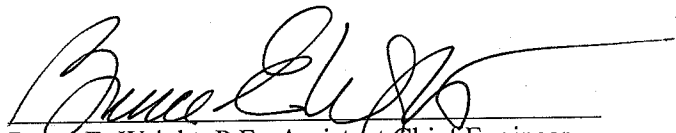
In addition to the vertical surface of the manholes, the bench shall also be lined.

Re: Addendum 1 – Large Diam Sewer Main Relining I
August 4, 2009
Page 2 of 2

Application: in accordance with Bid Proposal Form and at the direction of the County, a minimum of one(1) coating of calcium aluminate ½” in thickness shall be applied to the interior of the manhole. In some cases, where the County has determined or directed additional protection, multiple ½” lifts shall be applied. Proper curing time and testing procedures shall be following before, during, and after each lift is applied in accordance with manufacturer’s recommendations. Each manhole must be adequately pre-cleaned and any previous applications, liners, or coatings shall be removed at no additional cost.

Contractor applying the manhole coating and lining system must have previously installed the product in a minimum of twenty (20) manholes of similar construction, depth, and condition. Upon request by the County, Contractor shall provide evidence of adequate training and/or certification by the manufacturer, as appropriate. Said training and certification must have been obtained or conducted a minimum of two (2) months prior to the bid due date.

REPLACE page A4-4 of the Bid Proposal Form with the enclosed and revised page A4-4r dated 7/29/09.



Bruce E. Wright, P.E., Assistant Chief Engineer

NOTE: THIS FORM MUST BE SUBMITTED IN DUPLICATE WITH THE BID

**ANNE ARUNDEL COUNTY
DEPARTMENT OF PUBLIC WORKS
ANNAPOLIS, MARYLAND**

LARGE DIAMETER SEWER MAIN RELINING I

Proposal No.: X7388130

Project No.: X738800

COMPANY NAME: _____

DATE: _____

BASE BID ITEMS

Item	Description	Unit Size	Estimated Quantity	Unit Price Dols / Cts	Total Price Dols / Cts
01	Mobilization	EA	3		
02	18" Sewer Main Relining	LF	8,172		
03	24" Sewer Main Relining	LF	650		
04	30" Sewer Main Relining	LF	3,925		
05	Re-Establish Existing Service	EA	100		
06a	Manhole Lining - Single Layer (100% Calcium Aluminate, 1/2" lift)	VF	225		
06b	Manhole Lining - Double Layer (100% Calcium Aluminate, Two 1/2" lifts)	VF	150		

SUBTOTAL BASE BID ITEMS \$ _____

A4-4r