

BALTIMORE COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS AND TRANSPORTATION
DIVISION OF CONSTRUCTION CONTRACTS ADMINISTRATION
111 WEST CHESAPEAKE AVENUE
TOWSON, MARYLAND 21204



Contract No. 21202 SX0
Gray Manor Interceptor Rehabilitation
Dundalk – District 12,15 c 7
Workday Number 010777308
Job Order Number 231-203-0077-7308

ADDENDUM NO. 2

DATE: 3/20/2025

Contact: Barb Wentworth, 410-887-3531, bwentworth@baltimorecountymd.gov

To All Bidders

This addendum is hereby made a part of the Proposal and the Special Provisions, and is hereby incorporated into the Contract. Should this addendum conflict with any portion of the Special Provisions, the Proposal, or any prior addenda, this addendum shall supersede and control.

Please note the attached changes, corrections, and/or information in connection with the contract and submit bids and be otherwise governed accordingly.

For Your Information

Attached are the pre-bid meeting minutes along with the list of attendees for the pre-bid meeting held on Wednesday, March 5, 2025 @ 10:00 A.M. EST.

In the Specifications

Revised and attached to be inserted:

- Page 80, Section 2732.02.03 Wall Thickness **delete** the last sentence "The selected thicknesses shall be uniform for each pipe diameter and shall be based on the thickest, most conservative design wall thickness calculated for each diameter".
- Page 178, Section 2742.04.03 (a) Basis of Payment **change** the second sentence **to** read as follows: "The unit price per linear foot will be full compensation for providing for all labor, traffic control, confined space entry and equipment, flow control, materials, equipment, tools and incidentals for inspection televising of sewer of pipe size 6 to **48** inches".

In the Proposal

Revised and attached to be inserted:

Description of Items & Schedule of Price Page 244

- Bid Item 28 – Alternate CIPP Lining of 48" Sewer (Pipe Segments between MH 44905 & MH 44903 **change** the Estimate Quantity **to** 391 Linear Feet **from** 266 Linear Feet.
- Bid Item 29 – **change** the Description **to** Geopolymer Lining of 48" SEWER (Pipe Segments between MH 44905 & MH 44903) **from** Geopolymer Lining of 48" Sewer (Pipe Segments between MH 44905 & MH 44903, & 41457 & New MH #3) and **change** Estimate Quantity **to** 391 Linear Feet **from** 266 Linear Feet.
- Bid Item 30 – **change** the Description **to** read as follows: Geopolymer Lining of 48" Sewer (Pipe Segments between MH 41457 & New MH 75324).

Revised and attached to be inserted:

Description of Items & Schedule of Price Page 245

- Bid Item 34 Final Acceptance CCTV Inspection 8" - 15" Sewer – **change to** Fixed Price for an Estimate Quantity of 819 Linear Feet, and the Unit Price is \$7.66 per Linear Feet with a Total Amount as \$6,273.54.
- Bid Item 35 Final Acceptance CCTV Inspection 30" - 48" Sewer – **change to** Fixed Price for an Estimate Quantity of 15,846 Linear Feet, and the Unit Price is \$10.21 Linear Feet with a Total Amount as \$161,787.66.
- Bid Item 47 - **change** the Description **to** read as follows: Set-Up Sewage Bypass System and **change** the Unit **to** Lump Sum (LS).
- Bid Item 48 - Set-Up bypass pumping system (3.01 MGD - 6.00 MGD) **DELETE entirely.**
- Bid Item 49 – Set-Up Bypass Pumping System (6.01 MGD - 9.00 MGD) **DELETE entirely.**
- Bid Item 50 – Set-Up Bypass Pumping System (9.01 MGD - 12.00 MGD) **DELETE entirely.**

Revised and attached to be inserted:

Description of Items & Schedule of Price Page 246

- Bid Item 51 – Set-Up bypass pumping system **DELETE entirely.**
- Bid Item 52 – Operate Sewage bypass pumping system **DELETE entirely.**

Attachments – 8

Please sign below acknowledging receipt of this addendum and return with your bid.

Company Name

Signature

Contract 21202 SX0 – Gray Manor Interceptor Rehabilitation

Addendum No. 2

Q1. Bid Item 28 is an Alternate CIPP lining 48" pipe from MH44905 to 44903. Plans have that as a length of 389'. Not 266'. (266' stops at MH 44904 not 44903) - Please verify.

A1. *Refer to revised Contract Proposal Form. The footage from MH44905 to MH44903 should be 391 Linear Feet.*

Q2. Is there a Max mob?

A2. *No.*

Q3. Are TV logs available?

A3. *Yes. See page 11 of the Contract Proposal Book.*

Q4. All bid items with a "C" in the description are "Contingent"?

A4. *Correct.*

Q5. Work Hours?

A5. *7:00 AM – 5:00 PM unless permits in the contract state otherwise on any specific street.*

Q6. There is a note on page 80 of the specifications CIPP section 2732.02.03 that reads "The selected thicknesses shall be uniform for each pipe diameter and shall be based on the thickest, most conservative design wall thickness calculated for each diameter." With this project consisting of larger diameter pipes, differences in pipe depths have a larger impact on liner design calculations than it typically would for small diameter pipes, which in turn has cost and constructability impacts- based on the way the spec currently reads this requirement can potentially impact the project by hundreds of thousands of dollars. Would the County consider removing this requirement from the specification to allow liners to be designed based on segment-specific parameters?

- A6.** *Yes, The County will remove this requirement for this project. Please strike the last sentence from Section 2732.02.03. Segment specific thicknesses for each pipe will be subject to County review and approval during the submittal phase.*
- Q7.** There are numerous manholes that were unable to be located on our site visit- will the County locate these manholes prior to the project beginning or will this be the contractor's responsibility? If so how will this work get paid for- can a bid item be added to locate and raise MH's to grade?
- A7.** *There are no known issues with locating the manholes. A separate bid item will not be added.*
- Q8.** Is there any work to be done on the 21" pipe running through MH 44909 (i.e. cutting and plugging similar to MH 44912) or should the contractor leave this as is?
- A8.** *The 21" pipe at this location is not required to be cut or plugged, however, please review CCTV to clearly understand the location of this line. There are two CCTV inspections available for this location.*
- Q9.** Can you provide the contractor with bypass design requirements for each setup? Based on the bid form it appears that there will be one setup 3-6 MGD, three setups 9-12 MGD, and 2 over 12 MGD. Can you clarify which bypass setups will be paid under which line items, along with design flows the County was intending on building bypass for?
- A9.** *Please see revised Contract Proposal Form.*
- Q10.** Are final acceptance CCTV bid items 34 & 35 to include fixed prices as it has in previous County bids or will the contractors provide a bid price for these two items?
- A10.** *Please update Bid Items 34 and 35 per the revised Contract Proposal Form.*

ATTENDANCE SHEET PLEASE PRINT**Project Name: Gray Manor Interceptor Rehabilitation****Contract Number: 21202 SX0****Work Day Number: 010777308****Job Order Number: 231-201-0077-7308****Date Held: Wednesday, February 19, 2025 at 10:00 a.m. EST**

Present	Name	Representing	Phone #	Email Address
√	Matt Leone	BC-DPWT-DCCA	410-887-3531	mleone@baltimorecountymd.gov
√	Kenny Green	BC-DPWT-DCCA	410-887-3531	krgreen@baltimorecountymd.gov
√	Paul Smith	BC-DPWT-DCCA	410-887-3531	psmith@baltimorecountymd.gov
√	Timothy Byrd	BC-DPWT-DCCA	410-887-3531	Tbyrd1@baltimorecountymd.gov
√	Amy Bley	BC-DPWT-Sewer Design Section	410-887-3781	abley@baltimorecountymd.gov
√	Randy Rollman	BC-DPWT- WSP / Sewer Design	410-887-3781	rrollman@baltimorecountymd.gov
√	Justin Wirtanen	BC-DPWT- WSP / Sewer Design	410-887-3781	jwirtanen@baltimorecountymd.gov
√	Julia Petersen	BC-DPWT- WSP / Sewer Design	410-887-3781	jpetersen@baltimorecountymd.gov
√	James Tudor	BC- Economic Development	410-887-8000	jtudor@baltimorecountymd.gov
√	Warren Squirewell	BC-MBE/WBE Office	410-887-3415	wsquirewell@baltimorecountymd.gov
√	Gary Brown	BC-MBE/WBE Office	410-887-3557	Gbrown1@baltimorecountymd.gov
√	Dustin Dvorak	Ramboll	703-516-2315 202-525-6225	DDVORAK@ramboll.com
√	Craig Heller	Spiniello Companies	410-235-0094 x214	cheller@spinielloco.com
√	John Baugher	Sunbelt Rentals	410-661-0500	john.baugher@sunbeltrentals.com
√	Lynn Imbrogulio	Aggtrans – The Stone Store	410-766-4242	limbrogulio@aggtrans.com
√	Emily Bennett	Insituform Technologies, LLC	508-282-2349	ebennet@azuria.com

Contract No. 21202 SX0
Addendum No. 2
March 20, 2025

2732.02 MATERIALS

- 2732.02.01** The liner shall generally consist of a corrosion resistant polyester, vinyl ester, or epoxy thermosetting resin, or approved equal, impregnated tubing material consisting of one or more layers (with any layer not less than 1.5mm thick) of flexible non-woven polyester felt or fiberglass fiber. The liner system shall meet the requirements of ASTM F1216, ASTM F1743, and ASTM D5813 and shall be constructed to absorb and carry resins, withstand inversion pressures and curing temperatures, have sufficient strength to bridge missing pipe, stretch to fit irregular pipe sections, and shall invert smoothly around bends. The felt content of the CIPP liner shall be determined by the Contractor, but shall not exceed 25 percent of the total impregnated liner volume. The liner shall fit tightly to the internal circumference of the existing pipe, and an impermeable, flexible membrane integrally bonded to the internal circumference of the felt, thus forming a smooth, chemically inert internal flow surface. The membrane shall be an appropriate thickness to accommodate the installation and cure conditions and shall not be considered to impart any structural strength to the liner but considered an integral part of the liner system. The membrane (internal liner coating) shall be constructed of a material that is suitable for the liner installation/cure method used by the Contractor. The liner shall be fabricated to a size that when installed will neatly fit the internal circumference of the pipe to be lined. Allowance for longitudinal and circumferential stretching of the liner during installation shall be made by the Contractor. All CIPP linings shall be from a single manufacturer. The cured liner shall have a 50-year life span.
- 2732.02.02** The resin volume shall be adjusted by adding 5 to 10% excess resin for the change in resin volume due to polymerization and to allow for any migration of resin into the cracks and joints in the original pipe.
- 2732.02.03** **Wall Thickness:** The required structural CIPP wall thickness shall be designed in accordance with the guidelines in Appendix X1 of ASTM F1216. The minimum liner thickness for nominal pipe diameters of 8 to 12 inches shall be 6 mm. Minimum liner thickness for nominal pipe diameters of 14 to 16 inches shall be 7.5 mm. Minimum liner thickness for nominal pipe diameters of 18 inches shall be 9 mm. In cases where ovality exceeds 10%, or where pipes are egg or oval shaped, alternative methods of design may be considered by the Engineer. The categories of design parameters noted in Tables 2732-1, 2732-2, and 2732-3 shall be used, unless otherwise directed by the County.
- 2732.02.04** **Common Design Parameters:** Design inputs generally considered to be the same from site to site for a particular project are provided in Table 2732-1.

Table 2732-1 Common Design Parameters	
Safety Factor ⁽¹⁾	2.0
Soil Modulus ⁽²⁾	700 psi
Soil Density ⁽³⁾	120 pcf

2742.04.03 Final Acceptance Television Inspection for Pipes, Manholes, and/or Laterals to be Rehabilitated. The quantity of sewer lines televised will be measured in linear feet, of each size range, from center line of manhole to centerline of manhole for main lines, horizontally along the center line of the televised pipes, except as otherwise defined in Section 2742.03.04 (a) (4). Payment will be at a fixed price per linear foot set by the County. Payment will only be made for CCTV inspection footage reviewed and approved by the County.

- (a) **Basis of Payment.** The payment for sewer inspection televising shall be based on the linear feet of pipeline televised as measured in the field at grade, for the size ranges given. See 2742.03.04 (a) (4) for the required and payable length for Final Acceptance Television Inspections. The unit price per linear foot will be full compensation for providing for all labor, traffic control, confined space entry and equipment, flow control, materials, equipment, tools and incidentals for inspection televising of sewer of pipe size 6 to 48 inches. Payment will not be made for the following: poor or unacceptable quality inspections, re-televising any segment without prior approval of the County, portions of the sewer not televised, linear feet of sewer through which the camera could not pass, and reverse setups required to bracket an obstruction. Payment will only be made once for each main-line section on which any rehabilitation, replacement, and/or repair work is performed. Payment of this item for a section indicates acceptance by the County of lining and lateral work on that section.

END OF SECTION

13			CURB & GUTTER REPLACEMENT	LF	60		\$
14			CLEARING AND GRUBBING (INCLUDING TREES LESS THAN 10" DIAMETER BREAST HEIGHT)	LS	1		\$
15			STABILIZED CONSTRUCTION ENTRANCE	EA	10		\$
16		C	STABILIZED CONSTRUCTION ENTRANCE	EA	5		\$
17			HEAVY DUTY MULCH ACCESS MAT	SY	6,479		\$
18		C	HEAVY DUTY MULCH ACCESS MAT	SY	500		\$
19		C	GRAVEL ACCESS MAT	SY	100		\$
20		C	CONTINGENT TREE TRUNK PROTECTION	EA	15		\$
21			CIPP LINING OF 8" SEWER	LF	392		\$
22			CIPP LINING OF 15" SEWER	LF	427		\$
23			CIPP LINING OF 30" SEWER	LF	1,837		\$
24			CIPP LINING OF 33" SEWER	LF	2,351		\$
25			CIPP LINING OF 36" SEWER	LF	2,939		\$
26			CIPP LINING OF 42" SEWER	LF	1,147		\$
27			CIPP LINING OF 48" SEWER	LF	6,438		\$
28			ALTERNATE CIPP LINING OF 48" SEWER (PIPE SEGMENTS BETWEEN MH 44905 & MH 44903)	LF	391		\$
29			GEOPOLYMER LINING OF 48" SEWER (PIPE SEGMENTS BETWEEN MH 44905 & MH 44903)	LF	391		\$
30			GEOPOLYMER LINING OF 48" SEWER (PIPE SEGMENTS BETWEEN MH 41457 & NEW MH 75324)	LF	20		\$
31			PVC POINT REPAIR (EXCAVATE AND REPAIR) 30" SEWER, (UP TO 12- FEET DEEP)	LF	30		\$

32		C	SUPPLEMENTAL HEAVY CLEANING OF SEWERS	LF	2,372		\$
33			12" SEWER RECONFIGURATION @ MH 44912	EA	1		\$
34		F	FINAL ACCEPTANCE CCTV INSPECTION 8" - 15" SEWER	LF	819	\$7.66	\$6,273.54
35		F	FINAL ACCEPTANCE CCTV INSPECTION 30" - 48" SEWER	LF	15,846	\$10.21	\$161,787.66
36			BRIM STYLE CIPP SEWER HOUSE CONNECTION LATERAL SEAL	EA	1		\$
37			FULL CIRCUMFERENTIAL CIPP SEWER HOUSE CONNECTION LATERAL SEAL	EA	4		\$
38		C	AIR TEST AND GROUT SHC	EA	9		\$
39			NEW 60-INCH DIAMETER PRECAST MANHOLE	VF	23		\$
40			NEW 72-INCH DIAMETER DOGHOUSE MANHOLE	VF	15		\$
41			MANHOLE REHAB (EPOXY)	VF	828		\$
42			REPLACE MANHOLE FRAME & COVER	EA	1		\$
43			REPLACE MANHOLE FRAME & COVER (WATERTIGHT)	EA	3		\$
44			RESET MANHOLE FRAME & COVER	EA	2		\$
45			REBUILD MANHOLE BENCH AND CHANNEL	EA	1		\$
46			EXTERIOR MANHOLE CONE REFINISHING	VF	3		\$
47		C	SET-UP SEWAGE BYPASS SYSTEM	LS	1		\$
48			DELETE				\$0.00
49			DELETE				\$0.00
50			DELETE				\$0.00

51			DELETE				\$0.00
52			DELETE				\$0.00
TOTAL COST FOR CONTRACT							\$

TOTAL COST FOR CONTRACT IN WORDS

OFFICER SIGNATURE

TITLE