

**RESOLUTION AUTHORIZING THE AWARD OF THE  
H6 H7 CSO LTCP PROJECT**

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**MOTIONED BY:** Marotta

**SECONDED BY:** Gardiner

**WHEREAS,** the North Hudson Sewerage Authority (hereinafter "Authority") is a public body, duly formed under the Sewerage Authorities law, constituting Chapter 138 of the Laws of New Jersey of 1946, as amended (Chapter 14A of Title 40 of the New Jersey Statutes Annotated) and possesses the powers set forth therein; and

**WHEREAS,** the Authority has the need to make repairs to miscellaneous combined sewers and appurtenances on a regular basis in the collection systems of the four municipalities that it services; and

**WHEREAS,** pursuant to a solicitation of bids for the construction of the H6 H7 CSO LTCP, five (5) bids were received with the lowest responsible bid from J. Fletcher Creamer and Son, Inc., of Hackensack, New Jersey, in the amount of \$20,318,485.00 as compared to the Engineer's Estimate of \$22,569,000.00; and

**WHEREAS,** the Facilities Review Board has reviewed the bids and recommends award of the contract to J. Fletcher Creamer and Son, Inc. in the amount of \$20,318,485.00.

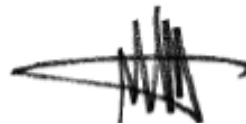
**NOW, THEREFORE, BE IT RESOLVED** that the Authority approves the award of a contract for the construction of the H6 H7 CSO LTCP Project to J. Fletcher Creamer and Son, Inc., of Hackensack New Jersey, in the amount of \$20,318,485.00.

**DATED: JUNE 18, 2020**

**RECORD OF COMMISSIONERS' VOTE**

	<b>YES</b>	<b>NO</b>	<b>ABSENT</b>
Commissioner Soares	x		
Commissioner Kappock	x		
Commissioner Marotta	x		
Commissioner Gardiner	x		
Commissioner Friedrich	x		
Commissioner Sanchez	x		
Commissioner Velazquez			x
Commissioner Roque	x		
Commissioner White	x		

**THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE  
NORTH HUDSON BOARD OF COMMISSIONERS ON JUNE 18, 2020.**



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**SECRETARY**

June 11, 2020

Dr. Richard Wolff  
Executive Director  
North Hudson Sewerage Authority  
1600 Adams Street  
Hoboken, NJ 07030

**Re: NHTA H6/H7 CSO LTCP Phase 1 - Contract No. S340952-33  
Recommendation for Award**

Dear Dr. Wolff:

The North Hudson Sewerage Authority (NHTA) received bids for the subject contract on June 3, 2020 at 1:00pm. Five bids were received as follows:

- J. Fletcher Creamer and Son, Inc. - \$20,318,485.00
- Carbro Constructors Corp - \$22,707,441.00
- Tomco Construction, Inc. - \$22,828,852.73
- Agate Construction Co., Inc. - \$25,372,369.01
- Northeast Remsco Construction, Inc. - \$29,606,565.00

The Engineer's Estimate for the work was \$22,569,000.00

Hazen has reviewed all the bids received and has found them all to be responsive. We have prepared the attached Checklist for Bidders Summary, and the attached Bid Tab for your use. We have also attached a D&B report for the low bidder. Based upon our review of the bids received, we find the low bid submitted by J. Fletcher Creamer and Son, Inc. to be fair and reasonable for the work to be performed and recommend award of a contract to J. Fletcher Creamer and Son, Inc., in the amount of \$20,318,485.00.

Should you have any questions or comments, please feel free to contact me directly at 732-491-2811 or [wgettings@hazenandsawyer.com](mailto:wgettings@hazenandsawyer.com).

Sincerely,



Kevin D. Haney, PE, BCEE  
Associate and DSDC Manager

cc: Eamon Kelly, Project Director  
William S. Gettings  
Mark Supplee  
Paul Ceresnak

NORTH HUDSON SEWERAGE AUTHORITY  
HUDSON COUNTY, NEW JERSEY  
H6/H7 COMBINED SEWER OVERFLOW LONG TERM CONTROL PLAN PROJECT, PHASE 1  
CONTRACT NO. S340952-33

	Bid Item Description	J. Fletcher Creamer & Son, Inc.	Carbro Constructors Corp	Tomco Construction, Inc.	Agate Construction Co., Inc.	Northeast Remsco Construction, Inc.
Items Mandatory for Bid (N.J.S.A. 40A:11-23.2)	A guarantee to accompany the bid that complies with N.J.S.A. 40A:11-21	✓	✓	✓	✓	✓
	A certificate from a surety company that complies with N.J.S.A. 40A:11-22	✓	✓	✓	✓	✓
	A statement of corporate ownership that complies with N.J.S.A. 52:25-24.2	✓	✓	✓	✓	✓
	A listing of subcontractors that complies with N.J.S.A. 40A:11-16	✓	✓	✓	✓	✓
	A document provided by the Owner for the bidder to acknowledge the bidder's receipt of any notices, revisions or addenda to the advertisement or bid documents pursuant to N.J.S.A 40A:11-23.1	✓	✓	✓	✓	✓
Items Discretionary for Bid but Mandatory for Award (N.J.S.A. 40A:11-23.1b)	Certification of Equal Employment Opportunity	✓	✓	✓	✓	✓
	Certification of Non-Segregated Facilities	✓	✓	✓	✓	✓
	Certificate(s) of Registration under N.J.S.A. 34:11-56.48 ct. seq..	✓	✓	✓	✓	✓
	Statement of Experience and Qualifications	✓	✓	✓	✓	✓
	Certification of Bidder showing that Bidder owns, leases or controls any necessary equipment	✓	✓	✓	✓	✓
	Business Registration Certificate(s) to comply with N.J.S.A. 52:32-44	✓	✓	✓	✓	✓
	Submission of Non-Collusion Affidavit	✓	✓	✓	✓	✓
	Affirmative Action Affidavit	✓	✓	✓	✓	✓
	Debarred, Suspended and Disqualified Bidders Affidavit	✓	✓	✓	✓	✓
	Certified Financial Statement prepared within the last twelve months	✓	✓	✓	✓	
	Statement of Compliance with N.J.S.A. 45:14C-2(h) (licensed master plumber)	✓	✓	✓		✓
	Contractor's Proposed CPM Schedule					
	Prompt Payment Certification					

NORTH HUDSON SEWERAGE AUTHORITY  
HUDSON COUNTY, NEW JERSEY  
H6/H7 COMBINED SEWER OVERFLOW LONG TERM CONTROL PLAN PROJECT, PHASE 1  
CONTRACT NO. S340952-33

Engineer's and Bidders' Construction Cost Estimate Evaluation

	Summary	Engineer's Estimate	J. Fletcher Creamer & Son, Inc.	Carbro Constructors Corp	Tomco Construction, Inc.	Agate Construction Co., Inc.	Northeast Remsco Construction, Inc.
All other	Schedule A - Lump Sum	\$ 11,120,000	\$ 8,556,300	\$ 9,453,039	\$ 10,033,000	\$ 13,709,069	\$ 12,419,147
All other	Schedule A - Unit Price	\$ 2,662,700	\$ 2,097,600	\$ 1,694,850	\$ 2,949,600	\$ 2,470,775	\$ 2,772,875
13th Street	Schedule A - Unit Price	\$ 4,272,100	\$ 5,976,945	\$ 6,285,452	\$ 5,598,959	\$ 5,036,525	\$ 6,377,743
Pre-Treat	Schedule B - Lump Sum	\$ 3,250,000	\$ 2,675,000	\$ 4,536,000	\$ 2,877,794	\$ 3,000,000	\$ 6,800,000
Pre-Treat	Schedule B - Unit Price	\$ 1,264,200	\$ 1,012,640	\$ 738,100	\$ 1,369,500	\$ 1,156,000	\$ 1,236,800
Total	<b>GRAND TOTAL</b>	<b>\$ 22,569,000.00</b>	<b>\$ 20,318,485.00</b>	<b>\$ 22,707,441.00</b>	<b>\$ 22,828,852.73</b>	<b>\$ 25,372,369.01</b>	<b>\$ 29,606,565.00</b>

**Schedule A - Complete Phase 1 of H6/H7 Project, except advanced hydrodynamic separators and related facilities  
Lump Sum Work – Schedule A:**

Schedule A: Lump Sum Work Schedule							
Item No.	Description	Engineer's Estimate Total Amount	J. Fletcher Creamer & Son, Inc. Total Amount	Carbro Constructors Corp Total Amount	Tomco Construction, Inc. Total Amount	Agate Construction Co., Inc. Total Amount	Northeast Remsco Construction, Inc. Total Amount
LA-1	Mobilization (Note: Lump Sum Bid Price for Mobilization shall not exceed the limits provided in NJAC 7:14, 2.9)	\$ 600,000	\$ 500,000	\$ 543,750	\$ 500,000	\$ 634,309	\$ 740,000
LA-2	For Construction of: Stormwater Pumping Station; Electrical and Mechanical Control Building; Support of Excavation Systems; Excavation, Transportation, and Disposal of Excavated Material; Stone Foundation; Identified Pipe Installations, Pipe Bedding, Backfill, Compaction; Site Restoration; Dewatering for All Work Areas, Air Monitoring for All Work Areas, Noise Monitoring for All Work Areas, and All Other Work not included elsewhere in the Base Bid Items.	\$ 10,400,000	\$ 7,806,300	\$ 8,839,289	\$ 9,480,000	\$ 13,044,760	\$ 11,596,847
LA-3	For In-Situ Sampling of Soil and Laboratory Analysis, Delineation, and Classification of Material to be Excavated in All Areas of Work in Accordance with Specification Section 02 50 00 - Testing of Hazardous and Nonhazardous Soil	\$ 100,000	\$ 100,000	\$ 25,000	\$ 35,000	\$ 25,000	\$ 14,000
LA-4	For Sealing Existing Geotechnical Monitoring Wells in Accordance with NJDEP Requirements found in NJAC 7:9D and Specification Section 33 21 13.01	\$ 5,000	\$ 50,000	\$ 15,000	\$ 3,000	\$ 5,000	\$ 10,000
LA-5	For all Work Required to Abandon the Existing Combined Sewer In-Place	\$ 15,000	\$ 100,000	\$ 30,000	\$ 15,000	\$ 0.01	\$ 58,300
<b>Total of All Extended Amounts for Schedule A Lump Sum Work</b>		<b>\$ 11,120,000</b>	<b>\$ 8,556,300</b>	<b>\$ 9,453,039</b>	<b>\$ 10,033,000</b>	<b>\$ 13,709,069</b>	<b>\$ 12,419,147</b>

Schedule A: Unit Price Schedule															
				Engineer's Estimate		J. Fletcher Creamer & Son, Inc.		Carbro Constructors Corp		Tomco Construction, Inc.		Agate Construction Co., Inc.		Northeast Remco Construction, Inc.	
Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Total Amount	Unit Price	Extended Total Amount	Unit Price	Extended Total Amount	Unit Price	Extended Total Amount	Unit Price	Extended Total Amount	Unit Price	Extended Total Amount
<b>UA-1</b>	<b>STORMWATER PUMP STATION and CONTROL BUILDING AREAS</b>														
UA-1a	For Furnishing and Installing Pre-Production Test Micropile	95	Linear Foot	\$ 300.00	\$ 28,500	\$ 1,100	\$ 104,500	\$ 750	\$ 71,250	\$ 500	\$ 47,500	\$ 345	\$ 32,775	\$ 285	\$ 27,075
UA-1b	For Testing of Pre-Production Test Micropile	1	Each	\$ 10,000.00	\$ 10,000	\$ 50,000	\$ 50,000	\$ 40,000	\$ 40,000	\$ 70,000	\$ 70,000	\$ 92,000	\$ 92,000	\$ 200,000	\$ 200,000
UA-1c	For Furnishing and Installing Production Micropiles	6,900	Linear Foot	\$ 300.00	\$ 2,070,000	\$ 200	\$ 1,380,000	\$ 145	\$ 1,000,500	\$ 325	\$ 2,242,500	\$ 250	\$ 1,725,000	\$ 285	\$ 1,966,500
UA-1d	For Additional Controlled Low Strength Material - CLSM (If And Where Directed)	100	Cubic Yards	\$ 100.00	\$ 10,000	\$ 175	\$ 17,500	\$ 250	\$ 25,000	\$ 330	\$ 33,000	\$ 500	\$ 50,000	\$ 185	\$ 18,500
UA-1e	For Additional Gravel, #57 Stone (If And Where Directed)	20	Cubic Yards	\$ 30.00	\$ 600	\$ 40	\$ 800	\$ 125	\$ 2,500	\$ 150	\$ 3,000	\$ 250	\$ 5,000	\$ 140	\$ 2,800
UA-1f	For Additional Granular Fill, 1-inch minus stone (If And Where Directed)	40	Cubic Yards	\$ 30.00	\$ 1,200	\$ 40	\$ 1,600	\$ 135	\$ 5,400	\$ 110	\$ 4,400	\$ 200	\$ 8,000	\$ 155	\$ 6,200
UA-1g	For Additional Sand (If And Where Directed)	40	Cubic Yards	\$ 30.00	\$ 1,200	\$ 40	\$ 1,600	\$ 130	\$ 5,200	\$ 130	\$ 5,200	\$ 200	\$ 8,000	\$ 150	\$ 6,000
UA-1h	For Additional Crushed Stone, #3 Stone (If And Where Directed)	40	Cubic Yards	\$ 30.00	\$ 1,200	\$ 40	\$ 1,600	\$ 125	\$ 5,000	\$ 100	\$ 4,000	\$ 250	\$ 10,000	\$ 145	\$ 5,800
<b>UA-2</b>	<b>MISCELLANEOUS WORK ITEMS</b>														
UA-2a	Transportation and Disposal of Hazardous Material in Accordance with the Specifications	1	ALLOWANCE	\$ 200,000.00	\$ 200,000	\$ 200,000.00	\$ 200,000	\$200,000.00	\$ 200,000	\$200,000.00	\$ 200,000	\$200,000.00	\$ 200,000	\$200,000.00	\$ 200,000
UA-2b	Allowance for Unforeseen Contingencies	1	ALLOWANCE	\$ 100,000.00	\$ 100,000	\$ 100,000.00	\$ 100,000	\$100,000.00	\$ 100,000	\$100,000.00	\$ 100,000	\$100,000.00	\$ 100,000	\$100,000.00	\$ 100,000
UA-2c	Allowance for Operation and Treatment of Dewatering Water from the NWRP Contractors IMG Tank (Total Not to Exceed \$240,000)	6	ALLOWANCE Per Month	\$ 40,000.00	\$ 240,000	\$ 40,000.00	\$ 240,000	\$ 40,000.00	\$ 240,000	\$ 40,000.00	\$ 240,000	\$ 40,000.00	\$ 240,000	\$ 40,000.00	\$ 240,000
	<b>SubTotal</b>			\$ 2,662,700	\$ 2,662,700	\$ 2,097,600	\$ 2,097,600	\$ 1,694,850	\$ 1,694,850	\$ 2,949,600	\$ 2,949,600	\$ 2,470,775	\$ 2,470,775	\$ 2,772,875	\$ 2,772,875
	<b>PS &amp; WW</b>			\$ 13,782,700	\$ 13,782,700	\$ 10,653,900	\$ 10,653,900	\$ 11,147,889	\$ 11,147,889	\$ 12,982,600	\$ 12,982,600	\$ 16,179,844	\$ 16,179,844	\$ 15,192,022	\$ 15,192,022
<b>UA-3</b>	<b>FOR CONSTRUCTING THE 13<sup>TH</sup> STREET PRIMARY FLOOD MITIGATION PROJECT</b>														
UA-3a	For Excavation and Backfill	5,750	Cubic Yard	\$ 25.00	\$ 143,750.00	\$ 5.00	\$ 28,750.00	\$ 200.00	\$1,150,000.00	\$ 0.01	\$ 57.50	\$ 75.00	\$ 431,250.00	\$ 100.00	\$ 575,000.00
UA-3b	Furnish and Install Dense Graded Aggregate for Backfill	4,750	Cubic Yard	\$ 25.00	\$ 118,750.00	\$ 40.00	\$ 190,000.00	\$ 60.00	\$ 285,000.00	\$ 0.01	\$ 47.50	\$ 80.00	\$ 380,000.00	\$ 28.00	\$ 133,000.00
UA-3c	Furnish and Install Stone Bedding (NJDOT No. 57)	400	Cubic Yard	\$ 25.00	\$ 10,000.00	\$ 40.00	\$ 16,000.00	\$ 75.00	\$ 30,000.00	\$ 0.01	\$ 4.00	\$ 150.00	\$ 60,000.00	\$ 31.00	\$ 12,400.00
UA-3d	Furnish and Install 2-inch stone (If and Where Directed)	60	Cubic Yard	\$ 25.00	\$ 1,500.00	\$ 40.00	\$ 2,400.00	\$ 80.00	\$ 4,800.00	\$ 80.00	\$ 4,800.00	\$ 155.00	\$ 9,300.00	\$ 43.00	\$ 2,580.00
UA-3e	Furnish and Install Flowable Fill	250	Cubic Yard	\$ 100.00	\$ 25,000.00	\$ 175.00	\$ 43,750.00	\$ 200.00	\$ 50,000.00	\$ 290.00	\$ 72,500.00	\$ 500.00	\$ 125,000.00	\$ 145.00	\$ 36,250.00
UA-3f	Sheeting Left in Place (Minimum Bid Price \$5.00 per SF)	3,000	Square Foot	\$ 30.00	\$ 90,000.00	\$ 60.00	\$ 180,000.00	\$ 90.00	\$ 270,000.00	\$ 110.00	\$ 330,000.00	\$ 80.00	\$ 240,000.00	\$ 54.00	\$ 162,000.00
UA-3g	Test Pits (Minimum Bid Price \$100.00 per CY)	500	Cubic Yard	\$ 100.00	\$ 50,000.00	\$ 100.00	\$ 50,000.00	\$ 100.00	\$ 50,000.00	\$ 100.00	\$ 50,000.00	\$ 100.00	\$ 50,000.00	\$ 100.00	\$ 50,000.00
UA-3h	Demolition of Existing Flushing Chambers	2	Each	\$ 35,000.00	\$ 70,000.00	\$ 75,000.00	\$ 150,000.00	\$ 30,000.00	\$ 60,000.00	\$ 30,000.00	\$ 60,000.00	\$ 22,750.00	\$ 45,500.00	\$ 43,000.00	\$ 86,000.00
UA-3i	Excavation of Reinforced Concrete or Cobblestone Road Base	100	Cubic Yard	\$ 200.00	\$ 20,000.00	\$ 215.00	\$ 21,500.00	\$ 120.00	\$ 12,000.00	\$ 56.00	\$ 5,600.00	\$ 115.00	\$ 11,500.00	\$ 370.00	\$ 37,000.00
UA-3j	Furnish and Install Steel H-Piles	13450	Linear Feet	\$ 55.00	\$ 739,750.00	\$ 75.00	\$ 1,008,750.00	\$ 50.00	\$ 672,500.00	\$ 95.00	\$1,277,750.00	\$ 38.50	\$ 517,825.00	\$ 69.00	\$ 928,050.00
UA-3k	Furnish and Install Helical Piles	1450	Linear Feet	\$ 55.00	\$ 79,750.00	\$ 110.00	\$ 159,500.00	\$ 100.00	\$ 145,000.00	\$ 205.00	\$ 297,250.00	\$ 80.00	\$ 116,000.00	\$ 105.00	\$ 152,250.00
UA-3l	Furnish and Install Concrete Pile Cap Type-1	35	Each	\$ 1,500.00	\$ 52,500.00	\$ 3,000.00	\$ 105,000.00	\$ 3,500.00	\$ 122,500.00	\$ 2,000.00	\$ 70,000.00	\$ 4,100.00	\$ 143,500.00	\$ 1,960.00	\$ 68,600.00
UA-3m	Furnish and Install Concrete Pile Cap Type-2	12	Each	\$ 1,000.00	\$ 12,000.00	\$ 2,800.00	\$ 33,600.00	\$ 4,250.00	\$ 51,000.00	\$ 3,500.00	\$ 42,000.00	\$ 4,700.00	\$ 56,400.00	\$ 2,100.00	\$ 25,200.00
UA-3n	Furnish and Install Concrete Pile Caps Type-3	1	Each	\$ 7,500.00	\$ 7,500.00	\$ 17,500.00	\$ 17,500.00	\$ 22,000.00	\$ 22,000.00	\$ 30,000.00	\$ 30,000.00	\$ 52,000.00	\$ 52,000.00	\$ 16,000.00	\$ 16,000.00
UA-3o	Furnish and Install Concrete Pile Caps Type-4	1	Each	\$ 5,000.00	\$ 5,000.00	\$ 14,000.00	\$ 14,000.00	\$ 21,000.00	\$ 21,000.00	\$ 25,000.00	\$ 25,000.00	\$ 40,000.00	\$ 40,000.00	\$ 11,600.00	\$ 11,600.00
UA-3p	Furnish and Install Concrete Pipe Cradles – Precast	3,500	Square Feet	\$ 25.00	\$ 87,500.00	\$ 85.00	\$ 297,500.00	\$ 60.00	\$ 210,000.00	\$ 40.00	\$ 140,000.00	\$ 50.00	\$ 175,000.00	\$ 60.00	\$ 210,000.00
UA-3q	Furnish and Install Concrete Pipe Cradles – Cast in Place	1,000	Square Feet	\$ 55.00	\$ 55,000.00	\$ 90.00	\$ 90,000.00	\$ 152.00	\$ 152,000.00	\$ 40.00	\$ 40,000.00	\$ 100.00	\$ 100,000.00	\$ 62.00	\$ 62,000.00
UA-3r	Furnish and Install 30-inch Diameter Ductile Iron Pipe, Class 54	230	Linear Foot	\$ 1,500.00	\$ 345,000.00	\$ 750.00	\$ 172,500.00	\$ 1,000.00	\$ 230,000.00	\$ 900.00	\$ 207,000.00	\$ 550.00	\$ 126,500.00	\$ 683.00	\$ 157,090.00
UA-3s	Furnish and Install 30-inch Diameter Ductile Iron Pipe Fittings, Class 54	2.5	Tons	\$ 10,000.00	\$ 25,000.00	\$ 30,000.00	\$ 75,000.00	\$ 28,000.00	\$ 70,000.00	\$ 0.01	\$ 0.03	\$ 25,500.00	\$ 63,750.00	\$ 26,500.00	\$ 66,250.00
UA-3t	Furnish and Install Pressure Relief Valve and Enclosures For 30-inch DIP Force Main	2	Each	\$ 10,000.00	\$ 20,000.00	\$ 17,500.00	\$ 35,000.00	\$ 10,000.00	\$ 20,000.00	\$ 15,000.00	\$ 30,000.00	\$ 13,000.00	\$ 26,000.00	\$ 14,825.00	\$ 29,650.00
UA-3u	Replace/ Install 54-Inch Diameter CCFRPM Stormwater Pipe and Fittings	50	Linear Foot	\$ 800.00	\$ 40,000.00	\$ 1,750.00	\$ 87,500.00	\$ 1,000.00	\$ 50,000.00	\$ 3,000.00	\$ 150,000.00	\$ 600.00	\$ 30,000.00	\$ 4,450.00	\$ 222,500.00
UA-3v	Replace/ Install 48-Inch Diameter CCFRPM Stormwater Pipe and Fittings	135	Linear Foot	\$ 650.00	\$ 87,750.00	\$ 1,500.00	\$ 202,500.00	\$ 700.00	\$ 94,500.00	\$ 950.00	\$ 128,250.00	\$ 500.00	\$ 67,500.00	\$ 1,180.00	\$ 159,300.00
UA-3w	Replace/ Install 42-Inch Diameter CCFRPM Stormwater Pipe and Fittings	175	Linear Foot	\$ 600.00	\$ 105,000.00	\$ 1,400.00	\$ 245,000.00	\$ 650.00	\$ 113,750.00	\$ 900.00	\$ 157,500.00	\$ 475.00	\$ 83,125.00	\$ 1,075.00	\$ 188,125.00
UA-3x	Replace/ Install 36-Inch Diameter CCFRPM Stormwater Pipe and Fittings	355	Linear Foot	\$ 500.00	\$ 177,500.00	\$ 1,650.00	\$ 585,750.00	\$ 550.00	\$ 195,250.00	\$ 850.00	\$ 301,750.00	\$ 450.00	\$ 159,750.00	\$ 1,300.00	\$ 461,500.00
UA-3y	Replace/ Install 30-Inch Diameter CCFRPM Stormwater Pipe and Fittings	60	Linear Foot	\$ 400.00	\$ 24,000.00	\$ 1,400.00	\$ 84,000.00	\$ 380.00	\$ 22,800.00	\$ 750.00	\$ 45,000.00	\$ 350.00	\$ 21,000.00	\$ 950.00	\$ 57,000.00
UA-3z	Replace/ Install 12-Inch DIP, Class 54	230	Linear Foot	\$ 250.00	\$ 57,500.00	\$ 25.00	\$ 5,750.00	\$ 210.00	\$ 48,300.00	\$ 200.00	\$ 46,000.00	\$ 140.00	\$ 32,200.00	\$ 222.00	\$ 51,060.00

FOR CONSTRUCTING THE 13 <sup>TH</sup> STREET PRIMARY FLOOD MITIGATION PROJECT (Continued)															
UA-3aa	Replace/ Install 12-Inch PVC SDR 26 (PS-115) (If And Where Directed)	280	Linear Foot	\$ 200.00	\$ 56,000.00	\$ 35.00	\$ 9,800.00	\$ 210.00	\$ 58,800.00	\$ 300.00	\$ 84,000.00	\$ 95.00	\$ 26,600.00	\$ 150.00	\$ 42,000.00
UA-3ab	Replace/ Install 8-Inch PVC SDR 26 (PS-115) (If And Where Directed)	90	Linear Foot	\$ 180.00	\$ 16,200.00	\$ 115.00	\$ 10,350.00	\$ 140.00	\$ 12,600.00	\$ 85.00	\$ 7,650.00	\$ 210.00	\$ 18,900.00	\$ 850.00	\$ 76,500.00
UA-3ac	Furnish and Install Inlet Type A	17	Each	\$ 5,000.00	\$ 85,000.00	\$ 1,150.00	\$ 19,550.00	\$ 5,000.00	\$ 85,000.00	\$ 5,000.00	\$ 85,000.00	\$ 3,550.00	\$ 60,350.00	\$ 3,070.00	\$ 52,190.00
UA-3ad	Furnish and Install Special Stormwater Structure – Type 1	3	Each	\$ 18,000.00	\$ 54,000.00	\$ 60,000.00	\$ 180,000.00	\$ 36,000.00	\$ 108,000.00	\$ 30,000.00	\$ 90,000.00	\$ 34,000.00	\$ 102,000.00	\$ 23,325.00	\$ 69,975.00
UA-3ae	Furnish and Install Special Stormwater Structure – Type 2	2	Each	\$ 15,000.00	\$ 30,000.00	\$ 65,000.00	\$ 130,000.00	\$ 41,000.00	\$ 82,000.00	\$ 40,000.00	\$ 80,000.00	\$ 37,500.00	\$ 75,000.00	\$ 21,000.00	\$ 42,000.00
UA-3af	Furnish and Install Special Stormwater Structure – Type 3	1	Each	\$ 20,000.00	\$ 20,000.00	\$ 80,000.00	\$ 80,000.00	\$ 47,500.00	\$ 47,500.00	\$ 45,000.00	\$ 45,000.00	\$ 39,000.00	\$ 39,000.00	\$ 22,500.00	\$ 22,500.00
UA-3ag	Furnish and Install Special Stormwater Structure – Type 4	1	Each	\$ 25,000.00	\$ 25,000.00	\$ 65,000.00	\$ 65,000.00	\$ 36,500.00	\$ 36,500.00	\$ 50,000.00	\$ 50,000.00	\$ 39,000.00	\$ 39,000.00	\$ 22,700.00	\$ 22,700.00
UA-3ah	Replace/Install 4' Dia. Sanitary Manholes	4	Each	\$ 7,500.00	\$ 30,000.00	\$ 16,500.00	\$ 66,000.00	\$ 15,000.00	\$ 60,000.00	\$ 30,000.00	\$ 120,000.00	\$ 23,500.00	\$ 94,000.00	\$ 12,000.00	\$ 48,000.00
UA-3ai	Furnish and Install Air Vacuum Valve Chamber	2	Each	\$ 5,500.00	\$ 11,000.00	\$ 5,000.00	\$ 10,000.00	\$ 43,000.00	\$ 86,000.00	\$ 20,000.00	\$ 40,000.00	\$ 23,500.00	\$ 47,000.00	\$ 8,100.00	\$ 16,200.00
UA-3aj	Base Course Pavement Restoration, 6-inches Thick	1564	Square Yard	\$ 25.00	\$ 39,100.00	\$ 50.00	\$ 78,200.00	\$ 55.00	\$ 86,020.00	\$ 70.00	\$ 109,480.00	\$ 40.00	\$ 62,560.00	\$ 92.00	\$ 143,888.00
UA-3ak	2" Mill and Top Course Pavement Restoration	2500	Square Yard	\$ 25.00	\$ 62,500.00	\$ 27.00	\$ 67,500.00	\$ 29.00	\$ 72,500.00	\$ 35.00	\$ 87,500.00	\$ 25.00	\$ 62,500.00	\$ 80.00	\$ 200,000.00
UA-3al	Remove and Replace Concrete Curbing	960	Linear Feet	\$ 45.00	\$ 43,200.00	\$ 60.00	\$ 57,600.00	\$ 30.00	\$ 28,800.00	\$ 60.00	\$ 57,600.00	\$ 45.00	\$ 43,200.00	\$ 80.00	\$ 76,800.00
UA-3am	Remove and Replace Concrete Sidewalk, 4-inch thick	1306	Square Yard	\$ 50.00	\$ 65,300.00	\$ 120.00	\$ 156,720.00	\$ 117.00	\$ 152,802.00	\$ 95.00	\$ 124,070.00	\$ 90.00	\$ 117,540.00	\$ 140.00	\$ 182,840.00
UA-3an	Remove and Replace Concrete Driveway Apron, 6-inch thick	50	Square Yard	\$ 65.00	\$ 3,250.00	\$ 150.00	\$ 7,500.00	\$ 110.00	\$ 5,500.00	\$ 160.00	\$ 8,000.00	\$ 125.00	\$ 6,250.00	\$ 215.00	\$ 10,750.00
UA-3ao	Install new ADA Ramp	6	Each	\$ 1,250.00	\$ 7,500.00	\$ 500.00	\$ 3,000.00	\$ 330.00	\$ 1,980.00	\$ 750.00	\$ 4,500.00	\$ 400.00	\$ 2,400.00	\$ 1,005.00	\$ 6,030.00
UA-3ap	Reset Paver Blocks	35	Square Yard	\$ 90.00	\$ 3,150.00	\$ 110.00	\$ 3,850.00	\$ 195.00	\$ 6,825.00	\$ 190.00	\$ 6,650.00	\$ 125.00	\$ 4,375.00	\$ 295.00	\$ 10,325.00
UA-3aq	Furnish and Install Street Trees (If And Where Directed)	10	Each	\$ 1,000.00	\$ 10,000.00	\$ 1,000.00	\$ 10,000.00	\$ 700.00	\$ 7,000.00	\$ 1,500.00	\$ 15,000.00	\$ 850.00	\$ 8,500.00	\$ 850.00	\$ 8,500.00
UA-3ar	Furnish and Install 8-inch Diameter DIP	125	Linear Feet	\$ 200.00	\$ 25,000.00	\$ 125.00	\$ 15,625.00	\$ 175.00	\$ 21,875.00	\$ 300.00	\$ 37,500.00	\$ 180.00	\$ 22,500.00	\$ 100.00	\$ 12,500.00
UA-3as	Furnish and Install 8-inch Diameter DIP Fittings	0.5	Tons	\$ 1,000.00	\$ 500.00	\$ 7,000.00	\$ 3,500.00	\$ 8,500.00	\$ 4,250.00	\$ 0.01	\$ 0.01	\$ 13,750.00	\$ 6,875.00	\$ 5,650.00	\$ 2,825.00
UA-3at	Furnish and Install 8-inch Diameter Gate Valve (If And Where Directed)	1	Each	\$ 650.00	\$ 650.00	\$ 1,500.00	\$ 1,500.00	\$ 1,600.00	\$ 1,600.00	\$ 4,000.00	\$ 4,000.00	\$ 2,375.00	\$ 2,375.00	\$ 815.00	\$ 815.00
UA-3au	Disposal of Material Classified as ID-27	6,750	Tons	\$ 80.00	\$ 540,000.00	\$ 60.00	\$ 405,000.00	\$ 70.00	\$ 472,500.00	\$ 50.00	\$ 337,500.00	\$ 50.00	\$ 337,500.00	\$ 100.00	\$ 675,000.00
UA-3av	Environmental Protection Measures	1	Allowance	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
UA-3aw	Allowance for Dewatering	1	Allowance	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00
UA-3ax	Allowance for Off-Duty Police	1	Allowance	\$ 175,000.00	\$ 175,000.00	\$ 175,000.00	\$ 175,000.00	\$ 175,000.00	\$ 175,000.00	\$ 175,000.00	\$ 175,000.00	\$ 175,000.00	\$ 175,000.00	\$ 175,000.00	\$ 175,000.00
UA-3ay	Allowance for Utility Relocation	1	Allowance	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00	\$ 200,000.00
UA-3az	Transportation and Disposal of Hazardous Material in Accordance with the Specifications	1	Allowance	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
UA-3ba	Allowance for Fuel Price Adjustment	1	Allowance	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
UA-3bb	Allowance for Asphalt Price Adjustment	1	Allowance	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00	\$ 10,000.00
<b>Total for Schedule A Unit Price Work</b>				\$	<b>6,934,800</b>	\$	<b>8,074,545</b>	\$	<b>7,980,302</b>	\$	<b>8,548,559</b>	\$	<b>7,507,300</b>	\$	<b>9,150,618</b>

**Schedule B - Advanced Hydrodynamic Separators and Related Facilities**

**Lump Sum Work – Schedule B:**

Schedule B: Lump Sum Work Schedule							
Item No.	Description	Engineer's Estimate Total Amount	J. Fletcher Creamer & Son, Inc. Total Amount	Carbro Constructors Corp Total Amount	Tomco Construction, Inc. Total Amount	Agate Construction Co., Inc. Total Amount	Northeast Remsco Construction, Inc. Total Amount
LB-1	For Construction of: Advanced Hydrodynamic Separators and related facilities within the limits identified in the Contract Documents, including the following: Advanced Hydrodynamic Separators; Inlet Stormwater Gravity Yard Pipeline Work and Junction Boxes; Outlet Stormwater Gravity Yard Pipeline Work to and Connection with the 1-MG Storage Tank; Gravity Yard Pipeline Work and Connection from the 1-MG Storage Tank to the Pump Station; Support of Excavation Systems; Excavation, Transportation, and Disposal of Excavated Material; Structural Backfill; Concrete Foundation Mat; and all other work that may be identified within the identified limits of Work or described elsewhere in the contract documents.	\$ 3,250,000	\$ 2,675,000	\$ 4,536,000	\$ 2,877,794	\$ 3,000,000	\$ 6,800,000
<b>Total of All Extended Amounts for Schedule B Lump Sum Work</b>		\$ <b>3,250,000</b>	\$ <b>2,675,000</b>	\$ <b>4,536,000</b>	\$ <b>2,877,794</b>	\$ <b>3,000,000</b>	\$ <b>6,800,000</b>

Unit Price Work – Schedule B:

Schedule B: Unit Price Schedule															
				Engineer's Estimate		J. Fletcher Creamer & Son, Inc.		Carbro Constructors Corp		Tomco Construction, Inc.		Agate Construction Co., Inc.		Northeast Remsco Construction, Inc.	
Item No.	Description	Estimated Quantity	Unit	Unit Price	Extended Total Amount	Unit Price	Extended Total Amount	Unit Price	Extended Total Amount	Unit Price	Extended Total Amount	Unit Price	Extended Total Amount	Unit Price	Extended Total Amount
<b>UB-1 ADVANCED HYDRODYNAMIC SEPARATORS AND RELATED FACILITIES</b>															
UB-1a	For Furnishing and Installing Production Micropiles	3,500	Linear Foot	\$ 300.00	\$ 1,050,000	225	\$ 787,500	145	\$ 507,500	325	\$ 1,137,500	250	\$ 875,000	\$ 285.00	\$ 997,500
UB-1b	For Additional Controlled Low Strength Material - CLSM (If And Where Directed)	100	Cubic Yards	\$ 100.00	\$ 10,000	185	\$ 18,500	160	\$ 16,000	150	\$ 15,000	500	\$ 50,000	\$ 185.00	\$ 18,500
UB-1c	For Additional Gravel, #57 Stone (If And Where Directed)	20	Cubic Yards	\$ 30.00	\$ 600	42	\$ 840	100	\$ 2,000	150	\$ 3,000	250	\$ 5,000	\$ 140.00	\$ 2,800
UB-1d	For Additional Granular Fill, 1-inch minus (If And Where Directed)	40	Cubic Yards	\$ 30.00	\$ 1,200	45	\$ 1,800	110	\$ 4,400	125	\$ 5,000	200	\$ 8,000	\$ 155.00	\$ 6,200
UB-1e	For Additional Sand (If And Where Directed)	40	Cubic Yards	\$ 30.00	\$ 1,200	50	\$ 2,000	105	\$ 4,200	125	\$ 5,000	200	\$ 8,000	\$ 150.00	\$ 6,000
UB-1f	For Additional Crushed Stone, #3 (If And Where Directed)	40	Cubic Yards	\$ 30.00	\$ 1,200	50	\$ 2,000	100	\$ 4,000	100	\$ 4,000	250	\$ 10,000	\$ 145.00	\$ 5,800
<b>UB-2 MISCELLANEOUS WORK ITEMS</b>															
UB-2a	Transportation and Disposal of Hazardous Material in Accordance with the Specifications	1	ALLOWANCE	\$ 100,000.00	\$ 100,000	\$ 100,000.00	\$ 100,000	\$100,000.00	\$ 100,000	\$100,000.00	\$ 100,000	\$100,000.00	\$ 100,000	\$100,000.00	\$ 100,000
UB-2b	Allowance for Unforeseen Contingencies	1	ALLOWANCE	\$ 100,000.00	\$ 100,000	\$ 100,000.00	\$ 100,000	\$100,000.00	\$ 100,000	\$100,000.00	\$ 100,000	\$100,000.00	\$ 100,000	\$100,000.00	\$ 100,000
<b>Total for Schedule B Unit Price Work</b>				<b>\$</b>	<b>1,264,200</b>	<b>\$</b>	<b>1,012,640</b>	<b>\$</b>	<b>738,100</b>	<b>\$</b>	<b>1,369,500</b>	<b>\$</b>	<b>1,156,000</b>	<b>\$</b>	<b>1,236,800.00</b>