22-081

RESOLUTION AUTHORIZING THE AWARD OF THE BOULEVARD EAST COMBINED SEWER IMPROVEMENTS PROJECT

MOTIONED BY: Velazquez **SECONDED BY:** Friedrich

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 Boulevard East Combined Sewer Improvements Project consists of upsizing combined sewer pipes along Hamilton Avenue and Boulevard East, installing new high-level storm sewers along Hamilton Avenue, Highwood Avenue, and Hudson Place, constructing a stormwater pumping station, installing a force main to convey stormwater from the pump station to the combined sewer on Boulevard East, and all excavation, stone foundation and pipe bedding, backfill, compaction, site restoration, dewatering, and other work necessary to complete the project; and

WHEREAS, pursuant to a solicitation of bids for the Boulevard East Combined Sewer Improvements Project, seven (7) bids were received with the lowest responsible bid from Underground Utilities Corp., Linden, NJ, in the amount of \$14,197,905.00 as compared to the Engineer's Estimate of \$12,310,760.00; and

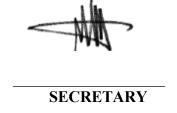
WHEREAS, the Facilities Review Board has reviewed the bids and recommends award of the contract to Underground Utilities Corp., Linden, NJ, in the amount of \$14,197,905.00.

NOW, THEREFORE, BE IT RESOLVED that the Authority approves the award of a contract for the construction of the Boulevard East Combined Sewer Improvements Project to Underground Utilities Corp., Linden, NJ, in the amount of \$14,197,905.00.

DATED: SEPTEMBER 15, 2022 RECORD OF COMMISSIONERS' VOTE

	YES	NO	ABSENT
Commissioner Kappock	X		
Commissioner Marotta			X
Commissioner Gardiner			X
Commissioner Friedrich	X		
Commissioner Guzman	X		
Commissioner Velazquez	X		
Commissioner Barrera	X		
Commissioner Zucconi	X		
Commissioner Assadourian	X		

THIS IS TO CERTIFY THAT THIS RESOLUTION WAS DULY ADOPTED BY THE NORTH HUDSON BOARD OF COMMISSIONERS ON SEPTEMBER 15, 2022.





Water Business Group Jacobs New Jersey Office 412 Mt Kemble Avenue Morristown, NJ 07962 O+1 973 267 0555

September 7, 2022

Mr. Fredric J. Pocci Authority Engineer North Hudson Sewerage Authority 1600 Adams Street Hoboken, New Jersey 07030

Subject: North Hudson Sewerage Authority/Hoboken

Boulevard East Combined Sewer Improvements Project

Contract No. S340952-39

Bid Report

Dear Mr. Pocci:

Bids for the above referenced project were received on Wednesday, September 7th, 2022. The project is located in the Authority's service area in the City of Weehawken. The primary intent of the project is to improve the sewer and stormwater system related street flooding in Weehawken, caused by severe rain events.

The Boulevard East Combined Sewer Improvements project primarily consists of the replacement of sewer and stormwater pipes and manholes and the construction of a new stormwater pump station. The pump station will convey stormwater from during major storm events along Highwood Avenue to JFK Boulevard East. Construction work includes the installation of three submersible pumps contained within a custom underground pumping station located on Highwood Avenue. Associated with the new pump station a force main and gravity stormwater piping and replacement sewage piping . The project is to be performed with funding obtained from the New Jersey Environmental Infrastructure Trust & New Jersey Department of Environmental Protection (NJDEP).

A total of 19 potential contractors, sub-contractors and material suppliers obtained copies of the bidding documents, and seven (7) bids were received. Table 1 (attached) lists the bids received and Table 2 (attached) provides a full tabulation of the prices submitted by each bidder. The apparent low bid was submitted by Mount Construction Company, Inc. with a total bid of \$12,678,610.00, which is approximately 3% higher than the Engineer's estimate for the work of \$12,310,760. The bid of the apparent second low bidder, Underground Utilities Corp., is \$14,197,905.00, which is \$1,519,295.00 higher (approximately 12%) than the apparent low bidder's bid.

We checked both bids for mathematical accuracy and completeness of submission. Based on this review of the bids, we find Mount Construction Company, Inc. is not a responsive bidder due to the lump sum bid item mobilization cost exceeding the limits provided in NJAC 7:14, 2.9 as listed in the Scope of Contract. The bid item mobilization cannot exceed 2.5% of the total bid amount, Mount Construction Company, Inc's mobilization bid item is 7.1% of the amount of the bid (\$12,678,610.00).

The second low bidder becomes the low responsive bidder, Underground Utilities Corp. Underground Utilities Corp provided a complete bid and the required forms.

Mr. Fredric J. Pocci Page 2 September 7, 2022

The apparent low responsive bidder, Underground Utilities Corp., is based in Linden, New Jersey with experience in underground utilities and pump station construction. Therefore, it appears that Underground Utilities Corp. has the experience required to execute this project.

Based on our review of the bids, Underground Utilities Corp. with a bid amount of \$14,197,905.00 is the low responsive bidder, pending the review of their bid documents by the Authority's Counsel. Should the review by the Authority's Counsel conclude the bid is acceptable and the Contractor provides the necessary bonds, insurance, and a State approved Equal Opportunity Initial Project Workforce Report, we recommend award of the Boulevard East Combined Sewer Improvements Project contract to Underground Utilities Corp.

Our office will prepare the necessary documents to obtain NJDEP authorization upon passage of a Resolution by the Authority to award the contract.

If you have any questions or require additional information regarding this proposal, please contact me at 862.242.7067.

Sincerely, Jacobs

Cc:

Shivani Patel, P.E. Client Service Manager

North Hudson Authority Board

File

Table 1: Bid Summary

NHSA Boulevard East Combined Sewer Improvements Contract No. S340952-39 Bids received September 7th 2022 at 1:00pm

Bidder	Base Bid	
Union Paving	\$ 18,585,525.00	
Underground Utilities Corp	\$ 14,197,905.00	
Grade Construction	\$ 14,501,767.54	
DiFazio Industries, LLC	\$ 36,672,833.00	
J. Fletcher Cramer & Son, Inc	\$ 24,146,137.50	
Mount Construction Company, Inc	\$ 12,678,610.00	
Montana Construction, Inc	\$ 14,769,425.00	

Lowest responsive bidder

Not responsive bid. Mobilization Cost exceeded 2.5% requirement per bid requirements

Table 2 - Canvass of Bids

North Hudson Sewerage Authority NHSA Boulevard East Combined Sewer Improve Contract No. S340952-39 Bids received September 7th 2022 at 1:00pm

Lowest responsive bidder

	Nucci																				
					Union Paving Engineer's Estimate 1140 Globe Avenue				Grade Constru		DiFazio Industrie			ramer & Son, Inc	1	t Construction Cor		Montana Cor	I		
	Enginee	er's Estimate	1140 Globe A Mountainside, N	I .	711 Commerce Road Linden, NJ 07036		110 Pennsylvani Paterson, NJ 0		38 Kinsey Pl Staten Island, N			st Broadway ick, NJ 07601	4	27 S. White Horse Berlin, NJ 0800		80 Cont Lodi, N	I				
					Wountainside, N	10 07092	Linden, No	07030	r aterson, No o	7303	Statem Island, N	1 10303	Hackerisa	ick, 143 07001	Note: Lo	w bidder disqualif		Loui, N.	07044		
									Note: Calcualtions error within bid. Tabulated total is \$50,000 higher than amount listed in							n cost exceeding 2 equired by NJAC					
									"bid total" line of the bid. Do						Scope of Project. Mobilization						
									bidder.						7.1% of total bid						
Item Description	Unit	Quantity	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit Price	Amount	Unit P	rice	Amount	Unit Price	Amount		
For Mobilization of Labor, Equipment and L1 Materials	LS	1	\$ 200,000.00	\$ 200,000.00	\$ 460,000.00 \$	460,000.00	350,000.00	\$ 350,000.00	\$ 153,050.68 \$	153,050.68	\$ 909,962.00 \$	909,962.00	\$ 602,000.00	\$ 602,000.00	90	00,000.00 \$	900,000.0	\$ 300,000.00	\$ 300,000.00		
For Construction of Stormwater Pumping Station and Electrical and Mechanical Equipment Enclosure; Procurement of all Pump Station Equipment and Appurtenances, and all mobilization, excavation (with the exception of rock excavation), stone																					
foundation and pipe bedding, backfill, compaction, site restoration, dewatering, and																					
L2 other site work related to the pump station.	LS	1	\$ 3,700,000.00	\$ 3,700,000.00	\$ 9,350,000.00 \$	9,350,000.00	2,300,000.00	\$ 2,300,000.00	\$ 3,953,329.78 \$	3,953,329.78	\$ 6,000,000.00 \$	6,000,000.00	\$ 16,380,000.00	\$ 16,380,000.00	\$ 2,15	50,000.00 \$	2,150 000.00	\$ 1,814,000.00	\$ 1,814,000.00		
For Traffic Control, Maintenance, and L3 Protection on Boulevard East	LS	1	\$ 400,000.00	\$ 400,000.00	\$ 185,000.00 \$	185,000.00	200,000.00	\$ 200,000.00	\$ 14,095.94 \$	14,095.94	\$ 75,650.00 \$	75,650.00	\$ 450,000.00	\$ 450,000.00	\$ 22	25,090.00 \$	22 ,090.00	\$ 500,000.00	\$ 500,000.00		
UP Unit Price Work		<u> </u>		\$ -		123,000.00				. 1,000.04		. 5,555.30		\$ -	<u> </u>	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	. 200,000.00	. 300,000.00		
U1A For Installation of 24" PVC Force Main	LF Foot	710	\$ 650.00		\$ 700.00 \$	497,000.00	1,100.00	\$ 781,000.00	\$ 341.93 \$	242,770.30	\$ 820.00 \$	582,200.00	\$ 750.00		\$	450.00 \$	9,500.00	\$ 1,200.00	\$ 852,000.00 \$ 100,000.00		
U1B For Installation of 24" PVC fittings For Replacement/Installation w/12" Dia.	Eact	10	\$ 5,050.00	\$ 50,500.00	\$ 9,000.00 \$	90,000.00	7,000.00	\$ 70,000.00	\$ 7,601.95 \$	76,019.50	\$ 8,634.00 \$	86,340.00	\$ 5,000.00	\$ 50,000.00	3	3,500.00 \$	35,000.00	\$ 10,000.00	\$ 100,000.00		
PVC SDR-26 (PS-115) (IF AND WHERE U2A DIRECTED)	LF	50	\$275	\$ 13,750.00	\$ 200.00 \$	10,000.00	3 200.00	\$ 10,000.00	\$ 56.40 \$	2,820.00	\$ 529.00 \$	26,450.00	\$ 200.00	\$ 10,000.00	s	200.00 \$	10,000.00	\$ 100.00	\$ 5,000.00		
For Replacement/Installation w/15" Dia.																					
U2B PVC SDR-26 (PS-115) For Replacement/Installation w/18" Dia.	LF	30	\$315		\$ 225.00 \$	6,750.00	3 200.00	\$ 6,000.00	\$ 167.99 \$	5,039.70		14,850.00	\$ 210.00		\$	240.00 \$	7,200.00	\$ 125.00	\$ 3,750.00		
U2C PVC SDR-26 (PS-115) For Replacement/Installation w/30" Dia.	LF	390	\$335	\$ 130,650.00	\$ 300.00 \$	117,000.00	1,100.00	\$ 429,000.00	\$ 166.08 \$	64,771.20	\$ 693.00 \$	270,270.00	\$ 300.00	\$ 117,000.00	\$	70.00 \$	105,300.00	\$ 1,900.00	\$ 741,000.00		
U2D PVC SDR-26 (PS-115)	LF	410	\$590	\$ 241,900.00	\$ 900.00 \$	369,000.00	1,400.00	\$ 574,000.00	\$ 410.07 \$	168,128.70	\$ 2,000.00 \$	820,000.00	\$ 650.00	\$ 266,500.00	\$	4 0.00 \$	200,900.00	\$ 2,300.00	\$ 943,000.00		
For Replacement/Installation w/48" Dia. U2E PVC SDR-26 (PS-115)	LF	100	\$715	\$ 71,500.00	\$ 2,700.00 \$	270,000.00	1,900.00	\$ 190,000.00	\$ 1,028.36 \$	102,836.00	\$ 2,162.45 \$	216,245.00	\$ 1,000.00	\$ 100,000.00	s	1,10.00 \$	110,500.00	\$ 2,300.00	\$ 230,000.00		
For Replacement/Installation w/30" Dia.												·									
U2F PVC SDR-26 (PS-115) OVER 12 Ft. Deep For Replacement/Installation w/48" Dia.	LF	520	\$880	\$ 457,600.00	\$ 800.00 \$	416,000.00	3 1,400.00	\$ 728,000.00	\$ 478.89 \$	249,022.80	\$ 1,306.00 \$	679,120.00	\$ 1,000.00	\$ 520,000.00	\$	750 00 \$	390,000.00	\$ 1,500.00	\$ 780,000.00		
U2G PVC SDR-26 (PS-115) OVER 12 Ft. Deep	LF	1,100	\$1,000	\$ 1,100,000.00	\$ 1,700.00 \$	1,870,000.00	1,900.00	\$ 2,090,000.00	\$ 1,090.94 \$	1,200,034.00	\$ 2,645.00 \$	2,909,500.00	\$ 1,100.00	\$ 1,210,000.00	\$	1,400.00 \$	1,540,000.00	\$ 2,000.00	\$ 2,200,000.00		
For Replacement/installation w/ 12" Dia. DIP (IF AND WHERE U2H DIRECTED)	LF	100	\$190	\$ 19,000.00	\$ 200.00 \$	20,000.00	200.00	\$ 20,000.00	\$ 97.15 \$	9,715.00	\$ 616.00 \$	61,600.00	\$ 200.00	\$ 20,000.00	s	180.00	18,000.00	\$ 100.00	\$ 10,000.00		
U2I For Replacement/Installation w/15" Dia. RCP	LF	680	\$225			136,000.00	850.00			45,199.60		229,160.00	\$ 220.00		\$	196.00	133,280.00	\$ 500.00	\$ 340,000.00		
U2J For Replacement/Installation w/18" Dia. RCP	LF	600	\$270	\$ 162,000.00	\$ 215.00 \$	129,000.00	850.00	\$ 510,000.00	\$ 110.62 \$	66,372.00	\$ 547.00 \$	328,200.00	\$ 230.00	\$ 138,000.00	\$	225.00 \$	135,000.00	\$ 550.00	\$ 330,000.00		
U2K For Replacement/Installation w/24" Dia. RCP	LF	290	\$300	\$ 87,000.00	\$ 300.00 \$	87,000.00	870.00	\$ 252,300.00	\$ 112.00 \$	32,480.00	\$ 727.00 \$	210,830.00	\$ 300.00	\$ 87,000.00	\$	260.00	75,400.00	\$ 1,000.00	\$ 290,000.00		
U2L For Replacement/Installation w/30" Dia. RCP	LF	90	\$350	\$ 31,500.00	\$ 325.00 \$	29,250.00	900.00	\$ 81,000.00	\$ 180.44 \$	16,239.60	\$ 756.00 \$	68,040.00	\$ 310.00	\$ 27,900.00	\$	325.00	29,250.00	\$ 1,500.00	\$ 135,000.00		
U2M For Replacement/Installation w/36" Dia. RCP	LF	50	\$380	\$ 19,000.00	\$ 675.00 \$	33,750.00	930.00	\$ 46,500.00	\$ 262.81 \$	13,140.50	\$ 2,000.00 \$	100,000.00	\$ 400.00	\$ 20,000.00	\$	380.0 \$	19,000.00	\$ 2,000.00	\$ 100,000.00		
U2N For Replacement/Installation w/42" Dia. RCP	LF	90	\$425	\$ 38,250.00	\$ 400.00 \$	36,000.00	990.00	\$ 89,100.00	\$ 279.98 \$	25,198.20	\$ 2,000.00 \$	180,000.00	\$ 450.00	\$ 40,500.00	\$	475.0 \$	42,750.00	\$ 2,100.00	\$ 189,000.00		
Installing Sewer Laterals and Connections with 4-inch PVC SDR- U2O 26	LF	750	\$100	\$ 75,000.00	\$ 350.00 \$	262,500.00	130.00	\$ 97,500.00	\$ 153.42 \$	115,065.00	\$ 350.00 \$	262,500.00	\$ 275.00	\$ 206,250.00	s	18 00 \$	138,750.00	\$ 400.00	\$ 300,000.00		
Installing Sewer Laterals and Connections with 6-inch PVC SDR-															ļ -	.5,55	\				
U2P 26 (IF AND WHERE DIRECTED)	LF	100	\$150	\$ 15,000.00	\$ 355.00 \$	35,500.00	5 150.00	\$ 15,000.00	\$ 118.97 \$	11,897.00	\$ 350.00 \$	35,000.00	\$ 280.00	\$ 28,000.00	\$	1 5.00 \$	16,500.00	\$ 500.00	\$ 50,000.00		
Installing Sewer Laterals and Connections with 8-inch PVC SDR- U2Q 26 (IF AND WHERE DIRECTED)	LF	100	\$190	\$ 19,000.00	\$ 360.00 \$	36,000.00	3 175.00	\$ 17,500.00	\$ 142.36 \$	14,236.00	\$ 350.00 \$	35,000.00	\$ 285.00	\$ 28,500.00	\$	00.00 \$	20,000.00	\$ 9.00	\$ 900.00		
Installing Sewer Laterals and Connections with 10-inch PVC SDR- U2R 26 (IF AND WHERE DIRECTED)	LF	100	\$230	\$ 23,000.00	\$ 365.00 \$	36,500.00	200.00	\$ 20,000.00	\$ 185.56 \$	18,556.00	\$ 438.00 \$	43,800.00	\$ 290.00	\$ 29,000.00	\$	225.00 \$	22,500.00	\$ 10.00	\$ 1,000.00		
U2S Installing Sewer Cleanouts	Each	53	\$245	\$ 12,985.00	\$ 1,700.00 \$	90,100.00	1,000.00	\$ 53,000.00	\$ 874.94 \$	46,371.82	\$ 802.00 \$	42,506.00	\$ 1,000.00	\$ 53,000.00	\$	450.00 \$	23,850.00	\$ 200.00	\$ 10,600.00		
U3A Repalcement/Installation w/ Type B Storm Inlet	Each	16	\$6,700		\$ 12,000.00 \$	192,000.00	6,000.00	\$ 96,000.00	\$ 3,045.78 \$	48,732.48		240,000.00	\$ 6,300.00		\$	8,000.00 \$	128,000.00	\$ 8,000.00	\$ 128,000.00		
U3B Replacement/Installation w Type Double B Storm Inlet	Each	3	\$7,100			60,000.00	7,500.00	\$ 22,500.00		16,549.59		45,000.00	\$ 9,800.00		\$	15,650.00 \$	46,950.00				
U3C Repalcement/Installation w/ Type E Storm Inlet	Each	1	\$7,000		\$ 12,000.00 \$	12,000.00	6,000.00			7,703.05		15,000.00	\$ 9,500.00			11,500.00 \$	1,500.00		\$ 20,000.00		
U3D 4' Diameter MH Installation (0-12 ft Deep)	Each	19	\$6,300	\$ 119,700.00	\$ 9,000.00 \$	171,000.00	9,000.00	\$ 171,000.00	\$ 5,895.69 \$	112,018.11	\$ 20,000.00 \$	380,000.00	\$ 8,000.00	\$ 152,000.00	\$	9,500.00 \$	18 ,500.00	\$ 4,000.00	\$ 76,000.00		
U3E 4' Dia Precast MH Installation (Greater than 12 ft Deep)	Each	1	\$16,750	\$ 16,750.00	\$ 30,000.00 \$	30,000.00	12,000.00	\$ 12,000.00	\$ 8,937.74 \$	8,937.74	\$ 20,000.00 \$	20,000.00	\$ 24,000.00	\$ 24,000.00	\$	14,550.00 \$	14 550.00	\$ 15,000.00	\$ 15,000.00		
U3F 5' Diameter MH Installation (0-12 ft Deep)	Each	5	\$8,000	\$ 40,000.00	\$ 32,000.00 \$	160,000.00	10,000.00	\$ 50,000.00	\$ 13,134.57 \$	65,672.85	\$ 20,000.00 \$	100,000.00	\$ 19,000.00	\$ 95,000.00	\$ 2	23,650.00 \$	118, 50.00	\$ 15,000.00	\$ 75,000.00		
U3G 5' Dia Precast MH Installation (Greater than 12 ft Deep)	Each	6	\$18,000	\$ 108,000.00	\$ 36,000.00 \$	216,000.00	15,000.00	\$ 90,000.00	\$ 10,968.42 \$	65,810.52	\$ 15,000.00 \$	90,000.00	\$ 35,000.00	\$ 210,000.00	\$ 2	29,000.00 \$	174,0 0.00	\$ 50,000.00	\$ 300,000.00		
U3H 6' Dia Pracast MH Installation	Each	2	\$7,100	\$ 14,200.00	\$ 90,000.00 \$	180,000.00	22,000.00	\$ 44,000.00	\$ 13,575.48 \$	27,150.96	\$ 25,000.00 \$	50,000.00	\$ 35,000.00	\$ 70,000.00	\$ 2	23,000.00 \$	46,000.00	\$ 60,000.00	\$ 120,000.00		
U3I 6' Diameter Doghouse MH Installation	Each	1	\$13,500		\$ 95,000.00 \$	95,000.00	25,000.00			17,340.28		811,000.00	\$ 50,000.00			15,000.00 \$	45,000 00	\$ 60,000.00	\$ 60,000.00		
Replacement/Installation w/ Rectangular Manhole (IF AND U3J WHERE DIRECTED)	Each	2	\$14,200	\$ 28,400.00	\$ 9,500.00 \$	19,000.00	15,000.00	\$ 30,000.00	\$ 7.414.41 \$	14,828.82	\$ 4,790.00 \$	9,580.00	\$ 10,000.00	\$ 20,000.00		18,000.00 \$	36,000	\$ 60,000.00	\$ 120,000.00		
U3K Air Release Manhole Assembly Installation	Each	2						\$ 30,000.00 \$ 40,000.00					\$ 10,000.00 \$ 20,000.00				36,000.0				
USA AIR Release Mannole Assembly Installation	Each	2	\$8,200	a 16,400.00	\$ 50,000.00 \$	100,000.00	20,000.00	\$ 40,000.00	\$ 10,389.07 \$	20,778.14	\$ 25,000.00 \$	50,000.00	» 20,000.00	\$ 40,000.00	/	80,000.00 \$	60,000.0	\$ 30,000.00	\$ 60,000.00		
U3L Rehabilitation of Existing MHs (IF AND WHERE DIRECTED)	Each	5	\$3,500	\$ 17,500.00	\$ 10,000.00 \$	50,000.00	5,000.00	\$ 25,000.00	\$ 4,791.80 \$	23,959.00	\$ 8,989.00 \$	44,945.00	\$ 6,500.00	\$ 32,500.00	\$	1,200.00 \$	6,000.00	\$ 3,000.00	\$ 15,000.00		

		Engineer's Estimate			Union Paving 1140 Globe Avenue Mountainside, NJ 07092		Underground Utilities Corp 711 Commerce Road Linden, NJ 07036		Grade Construction 110 Pennsylvania Ave Paterson, NJ 07503		DiFazio Industries, LLC 38 Kinsey Place Staten Island, NY 10303		J. Fletcher Cramer & Son, Inc 101 East Broadway Hackensack, NJ 07601		Mount Construction Company, Inc 427 S. White Horse Pike Berlin, NJ 08009			Montana Construction, Inc 80 Contant Ave Lodi, NJ 07644	
U4A For Excavation, Backfill, and Compaction	CY	955	\$20 \$	19,100.00	\$ 150.00	143,250.00	\$ 1.00 \$	955.00	\$ 73.22 \$	69,925.10	\$ 47.00	\$ 44,885.00 \$	300.00	286,500.00	\$	40.00 \$	38,20000 \$	800.00	\$ 764,000.00
U4B For Hand Excavation, Backfill, and Compaction	CY	50	\$170 \$	8,500.00	\$ 400.00	20,000.00	\$ 1.00 \$	50.00	\$ 190.11 \$	9,505.50	\$ 515.00	\$ 25,750.00 \$	500.00	25,000.00	\$	145.00 \$	7,2,0.00 \$	1,000.00	\$ 50,000.00
For Providing Select Backfil (NJDOT DGA) (Mn \$20/CY) (IF AND U4C WHERE DIRECTED)	CY	12,500	\$40 \$	500,000.00	\$ 20.00 \$	250,000.00	\$ 20.00 \$	250,000.00	\$ 76.11 \$	951,375.00	\$ 25.00	\$ 312,500.00 \$	20.00 \$	250,000.00	\$	30.00 \$	375 000.00 \$	20.00	\$ 250,000.00
U4D For Rock Excavation, All Depths (IF AND WHERE DIRECTED)	CY	15,500	\$100 \$	1,550,000.00	\$ 6.00	93,000.00	\$ 100.00 \$	1,550,000.00	\$ 270.00 \$	4,185,000.00	\$ 1,100.00	\$ 17,050,000.00 \$	10.00	155,000.00	\$	170.00 \$	2,63,000.00 \$	10.00	\$ 155,000.00
U4E For Sheeting Left in Place (\$3 Per SF Min)	SF	1,000	\$3 \$	3,000.00	\$ 3.00 \$	3,000.00	\$ 3.00 \$	3,000.00	\$ 95.84 \$	95,840.00	\$ 3.00	\$ 3,000.00 \$	3.00	3,000.00	\$	5.00 \$	5,000.00 \$	20.00	\$ 20,000.00
U4F For Stone Foundation Bedding (\$25/CY Min Bid)	CY	1,390	\$25 \$	34,750.00	\$ 95.00	132,050.00	\$ 25.00 \$	34,750.00	\$ 46.23 \$	64,259.70	\$ 50.00	\$ 69,500.00 \$	40.00	55,600.00	\$	30.00 \$	41,700.00 \$	70.00	\$ 97,300.00
U4G For 2" Stone (IF AND WHERE DIRECTED)	CY	500	\$25 \$	12,500.00	\$ 40.00	20,000.00	\$ 40.00 \$	20,000.00	\$ 46.96 \$	23,480.00	\$ 53.00	\$ 26,500.00 \$	20.00 \$	10,000.00	\$	40.00 \$	20,000.00 \$	10.00	\$ 5,000.00
Furnishing/Placing Miscellaneous Concret (\$50/CY Min Big Price U4H (IF AND WHERE DIRECTED))	CY	50	\$85 \$	4,250.00	\$ 300.00	15,000.00	\$ 250.00 \$	12,500.00	\$ 318.04 \$	15,902.00	\$ 225.00	\$ 11,250.00 \$	50.00	2,500.00	\$	300.00 \$	15,000.00 \$	150.00	\$ 7,500.00
U4I Fornishing/Placing Flowable Fill	CY	200	\$85 \$	17,000.00	\$ 250.00	50,000.00	\$ 200.00 \$	40,000.00	\$ 234.78 \$	46,956.00	\$ 275.00	\$ 55,000.00 \$	100.00	20,000.00	\$	50.00 \$	30,000.00 \$	150.00	\$ 30,000.00
U4J For Test Pits (\$20/CY Min Bid Price)	CY	100	\$245 \$	24,500.00	\$ 500.00	50,000.00	\$ 350.00 \$	35,000.00	\$ 268.82 \$	26,882.00	\$ 385.00	\$ 38,500.00 \$	20.00 \$	2,000.00	\$	10.00 \$	15,000.00 \$	20.00	\$ 2,000.00
U5A Milling, 2" Variable Depth	SY	13,625	\$8 \$	109,000.00	\$ 7.00	95,375.00	\$ 5.00 \$	68,125.00	\$ 5.67 \$	77,253.75	\$ 11.00	\$ 149,875.00 \$	5.50 \$	74,937.50	\$	800 \$	109,000.00 \$	6.00	\$ 81,750.00
USB Milling, 4" Variable Depth	SY	13,625	\$10 \$	136,250.00	\$ 8.00	109,000.00	\$ 8.00 \$	109,000.00	\$ 10.22 \$	139,247.50	\$ 21.00	\$ 286,125.00 \$	1.00	13,625.00	\$	11.01 \$	149,875.00 \$	1.00	\$ 13,625.00
U5C DGA Road Base, 6-Inches Thick	SY	13,625	\$12 \$	163,500.00	\$ 7.00	95,375.00	\$ 11.00 \$	149,875.00	\$ 11.51 \$	156,823.75	\$ 8.00	\$ 109,000.00 \$	1.00	13,625.00	\$	12.00	163,500.00 \$	6.00	\$ 81,750.00
U5D Base Course Pavement Restoration6-inches Thick	SY	13,625	\$20 \$	272,500.00	\$ 22.00	299,750.00	\$ 38.00 \$	517,750.00	\$ 27.59 \$	375,913.75	\$ 70.00	\$ 953,750.00 \$	2.00	27,250.00	\$	25.00	340,625.00 \$	10.00	\$ 136,250.00
USE Top Course Pavement Restoration 2-inches Thick Removal and Repl. of Conc. Curb (\$15/LF min) (IF AND WHERE	SY	13,625	\$25 \$	340,625.00	\$ 21.00 \$	286,125.00	\$ 18.00 \$	245,250.00	\$ 18.31 \$	249,473.75	\$ 22.00	\$ 299,750.00 \$	18.00	245,250.00	\$	13.00	177,125.00 \$	18.00	\$ 245,250.00
USF DIRECTED) Removal and Repl. of Conc. Sidewalk, 4 Linick (\$45/51 min) (IF	LF	400	\$30 \$	12,000.00	\$ 60.00	24,000.00	\$ 30.00 \$	12,000.00	\$ 42.55 \$	17,020.00	\$ 103.00	\$ 41,200.00 \$	32.00 \$	12,800.00	\$	15.0 \$	6,000.00 \$	50.00	\$ 20,000.00
USG AND WHERE DIRECTED) Removal and Repl. of Conc. Driveway Apron, 6 Trick (\$50/\$Y	SY	100	\$110 \$	11,000.00	\$ 120.00 \$	12,000.00	\$ 100.00 \$	10,000.00	\$ 134.21 \$	13,421.00	\$ 147.00	\$ 14,700.00 \$	150.00 \$	15,000.00	\$	45 0 \$	4,500.00 \$	80.00	\$ 8,000.00
U5H min) (IF AND WHERE DIRECTED)	SY	100	\$110 \$	11,000.00	\$ 175.00 \$	17,500.00	\$ 150.00 \$	15,000.00	\$ 88.09 \$	8,809.00	\$ 265.00	\$ 26,500.00 \$	160.00	16,000.00	\$	15 00 \$	15,000.00 \$	90.00	\$ 9,000.00
ADA Handicapped Sidewalk Ramp (\$500/Ea Min) (IF AND WHERE USI DIRECTED)	Each	5	\$550 \$	2,750.00	\$ 2,000.00	10,000.00	\$ 500.00 \$	2,500.00	\$ 2,656.71 \$	13,283.55	\$ 3,800.00	\$ 19,000.00 \$	800.00	4,000.00	\$	2,0 0.00 \$	10,000.00 \$	1,250.00	\$ 6,250.00
U5J Traffic Stripes, Long Life Thermoplastic, 4" Wide	LF	1,500	\$5 \$	7,500.00	\$ 1.00 \$	1,500.00	\$ 1.00 \$	1,500.00	\$ 0.90 \$	1,350.00	\$ 1.00	\$ 1,500.00 \$	0.80	1,200.00	\$	0.86 \$	1,290.00 \$	0.80	\$ 1,200.00
U5K Traffic Stripes, Long Life Thermoplastic, 6" Wide	LF	1,500	\$8 \$	12,000.00	\$ 1.50 \$	2,250.00	\$ 1.50 \$	2,250.00	\$ 1.34 \$	2,010.00	\$ 2.00	\$ 3,000.00 \$	1.20 \$	1,800.00	\$	1.25 \$	1,875.00 \$	1.20	\$ 1,800.00
U5L Traffic Stripes, Long Life Thermoplastic, 24" Wide	LF	1,500	\$10 \$	15,000.00	\$ 6.00	9,000.00	\$ 10.00 \$	15,000.00	\$ 5.39 \$	8,085.00	\$ 6.00	\$ 9,000.00 \$	1.20 \$	1,800.00	\$	5.00 \$	7,500.00 \$	5.00	\$ 7,500.00
U5M Traffic Markings, Thermoplastic Removal and Resetting of Existing Paver block Sidewalk (IF AND	SF	2,000	\$5 \$	10,000.00	\$ 8.00 \$	16,000.00	\$ 9.00 \$	18,000.00	\$ 8.98 \$	17,960.00	\$ 8.00	\$ 16,000.00 \$	8.00 \$	16,000.00	\$	8.50 \$	17,000.00 \$	7.00	\$ 14,000.00
U5N WHERE DIRECTED)	SY	850	\$100 \$	85,000.00	\$ 60.00	51,000.00	\$ 100.00 \$	85,000.00	\$ 28.00 \$	23,800.00	\$ 198.00	\$ 168,300.00 \$	136.00 \$	115,600.00	\$	85.00 \$	2,250.00 \$	80.00	\$ 68,000.00
Removal and Resetting of Existing Granite Curbing (IF AND USO WHERE DIRECTED)	IF	700	\$125 \$	87,500.00	\$ 140.00	98,000.00	\$ 30.00 \$	21,000.00	\$ 39.60 \$	27,720.00	\$ 110.00	\$ 77.000.00 \$	32.00	22,400.00	s	52.00 \$	36 400.00 \$	50.00	\$ 35,000.00
U6 Environmental Protection Measures	LS	1	\$ 60,000.00 \$	60,000.00	\$ 25,000.00	5 25,000.00	\$ 60,000.00 \$	60,000.00	\$ 4,600.33 \$	4,600.33	\$ 18,500.00	\$ 18,500.00 \$	50,000.00 \$	50,000.00	\$ 5	50,000.00 \$	50, 00.00 \$	600,000.00	\$ 600,000.00
U7 Allowance for Vibration and Structural Monitoring	Allowance	1	\$ 100,000.00 \$	100,000.00	\$ 100,000.00	100,000.00	\$ 100,000.00 \$	100,000.00	\$ 100,000.00 \$	100,000.00	\$ 100,000.00	\$ 100,000.00 \$	100,000.00 \$	100,000.00		00,000.00 \$	100,0 0.00 \$	100,000.00	\$ 100,000.00
U8 Allowance for Off-Duty Police (Officers with cars) U9 Allowance for Utility Relocation	Allowance	1 1	\$ 250,000.00 \$ \$ 300,000.00 \$	250,000.00 300,000.00	\$ 250,000.00 \$ \$ 300,000.00 \$	5 250,000.00 5 300,000.00	\$ 250,000.00 \$ \$ 300,000.00 \$	250,000.00 300,000.00	\$ 250,000.00 \$ \$ 300,000.00 \$	250,000.00 300,000.00	\$ 250,000.00 \$ 300,000.00	\$ 250,000.00 \$ \$ 300,000.00 \$	250,000.00 \$ 300,000.00 \$	250,000.00 300,000.00		50,000.00 \$ 00,000.00 \$	250,000.00 \$ 300,000.00 \$	250,000.00 300,000.00	\$ 250,000.00 \$ 300,000.00
U10 Allowance for Environmental Work	Allowance	1	\$ 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 \$	50,000 00 \$	50,000.00	\$ 50,000.00
Allowance for Load, Haul, and Disposal of Excavated Material (ID- U11 27)	Allowance	1	\$ 100,000.00 \$	100,000.00	\$ 100,000.00	100,000.00	\$ 100,000.00 \$	100,000.00	\$ 100,000.00 \$	100,000.00	\$ 100,000.00	\$ 100,000.00 \$	100,000.00	100,000.00		00,000.00 \$	100,000.0 \$	100,000.00	\$ 100,000.00
	WRITTEN	I TOTAL	<u> </u>		T		ı		I		 		I			<u> </u>	+	1	
	TOTAL B		s	12,310,760.00		18,585,525.00	s	14,197,905.00		14,501,767.54	† •	\$ 36,672,833.00		24,146,137.50		s	12,678,610.00	ŀ	\$ 14,769,425.00