

**A RESOLUTION OF THE TOWNSHIP OF NORTH BRUNSWICK
AMENDING THE CONTRACT BID21003 WITH TO LUCAS BROTHERS, INC.
FOR THE LIVINGSTON AVENUE WATER AND SEWER IMPROVEMENT PROJECT
CLOSEOUT CHANGE ORDER (\$160,618.61)**

WHEREAS, the Township is the owner of the Water Treatment Plant and Distribution System that includes main water lines that run under Livingston Avenue that conveys “potable” water to its customers; and

WHEREAS, in addition, the Township is the owner of the Municipal Sewer Distribution System that includes main sewer lines that run under Livingston Avenue that conveys wastewater to the Middlesex County Utility Authority (MCUA) for treatment and processing; and

WHEREAS, the New Jersey Department of Transportation (NJDOT) owns and maintains Route 26, known as Livingston Avenue in North Brunswick; and

WHEREAS, in 2019 when the NJDOT notified the Township of their plans to mill and pave a section of Livingston Avenue, from Yorke Road to Nassau Street, the Township reviewed the condition of the municipal water and sewer lines under the roadway to make sure any necessary repairs were made prior to the commencement of work; and

WHEREAS, municipal engineering firm CME Associates has been engaged by the Township to review and prepare plans and specifications for necessary water and sewer work to be done by the Township; and

WHEREAS, the Township of North Brunswick filed separate loan applications with the New Jersey Department of Environmental Protection (NJDEP) for Finance Assistance through the New Jersey Infrastructure Bank (NJ I-Bank) Financing Program for the respective Water and Sanitary Sewer portions of the Project; and

WHEREAS, it is anticipated the Township of North Brunswick will receive NJDEP Finance Assistance through the New Jersey Infrastructure Bank (NJ I-Bank) Financing Program for the Sanitary Sewer portion of the Project and the balance for the Water Improvements will be funded from traditional financing under existing Water Capital Ordinances; and

WHEREAS, on July 13, 2021, pursuant to Resolution #207-7.21, the Township Council of authorized Contract BID21003 with Lucas Brothers Inc. for the Livingston Avenue Water and Sewer Improvements Project, Contract BID21003, in the amount of \$6,425,393.00 for Items 1 through 124, subject to approval under the New Jersey Department of Environmental Protection (NJDEP) for the state funded sewer portion of the project; and

WHEREAS, there have been no previous change orders for this project; and

WHEREAS, with favorable conditions encountered throughout the project, Lucas Brothers Inc. has presented a Closeout Change Order that reflects reductions and increases in contract quantities and supplementary items required to satisfactorily complete the work, resulting in a net reduction in the contract amount of (\$160,618.61); and

WHEREAS, CME Associates, engineering firm for this project, has reviewed and indicated in a report attached hereto that this Closeout Change Order reflects reductions and increases in contract quantities and supplementary items required to satisfactorily complete the work; and

WHEREAS, a recommendation is hereby made to authorize an amendment to the contract with Lucas Brothers Inc. reducing the contract amount by (\$160,618.61) pursuant to the Closeout Change Order prepared by CME Associates, for a revised contract amount of \$6,264,774.39.

NOW THEREFORE, BE IT RESOLVED, on this 24th day of June 2024, the Township Council of the Township of North Brunswick does hereby authorize the Mayor to execute Closeout Change Order documents for the Mile Run Interceptor Rehabilitation Project contract, which reflects a net contract reduction of (\$160,618.61).

Cavel Gallimore
Chief Financial Officer

Michael C. Hritz
Director of Community Development

Justine Progebin
Business Administrator

Ronald Gordon, Esq.
Township Attorney
Approved as to legal form

RECORDED VOTE:

COUNCIL MEMBER	YES	NO	ABSTAIN	NOTES
MEHTA				
GUADAGNINO				
ANDREWS				
DAVIS				
SOCIO				
HUTCHINSON				
MAYOR WOMACK				

I hereby certify that the above Resolution was duly adopted by the Township Council of the Township of North Brunswick, County of Middlesex, at its meeting held on June 24, 2024.

Lisa Russo
Township Clerk

JOHN H. ALLGAIR, PE, PP, LS (1983-2001)
DAVID J. SAMUEL, PE, PP, CME
JOHN J. STEFANI, PE, LS, PP, CME
JAY B. CORNELL, PE, PP, CME
MICHAEL J. McCLELLAND, PE, PP, CME
GREGORY R. VALES, PE, PP, CME



June 18, 2024

BRUCE M. KOCH, PE, PP, CME
LOUIS J. PLOSKONKA, PE, CME
TREVOR J. TAYLOR, PE, PP, CME
BEHRAM TURAN, PE, LSRP
LAURA J. NEUMANN, PE, PP
DOUGLAS ROHMEYER, PE, CFM, CME
ROBERT J. RUSSO, PE, PP, CME
JOHN J. HESS, PE, PP, CME
KEITH CHIARAVALLA, PE, CME

Mayor and Township Council
Township of North Brunswick
710 Hermann Road
North Brunswick, NJ 08902

**Re: Township of North Brunswick
Livingston Avenue Wastewater Collection System
And Water System Rehabilitation
Contract No. 19-055
Our File No.: PNO00449.02/03**

Dear Mayor and Township Council:

The Livingston Avenue Wastewater Collection System & Water System Rehabilitation project has been satisfactorily completed by the Contractor, Lucas Brothers, Inc. and we are pleased to inform you that the final construction cost is under the original contract amount for the project due primarily to favorable conditions encountered throughout the project, which resulted in the reduction of items originally included in the Contract for contingency purposes.

Accordingly, please find enclosed a completed Voucher and Closeout Change Order and Final Payment Estimate No. 16 for work performed from February 10, 2024 through May 15, 2024.

Please note the Closeout Change Order reflects reductions and increases in contract quantities as well as supplementary items required to satisfactorily perform the work and reduces the contract amount from \$6,425,393.00 to \$6,264,774.39 for a net overall reduction of \$160,618.61.

The additional work described herein could not, in our opinion, have reasonably been effectuated by a separately bid contract without unduly disrupting the basic work and imposing adverse cost consequences on the Township. In addition, this work provides an improved level of service to the residents of the Township.

Accordingly, we recommend final acceptance of the work, approval of Closeout Change Order and Final Payment Estimate No. 16 and payment to the Contractor in the amount of \$153,911.48, subject to the submission of the required Maintenance Guarantee, approval by the NJDEP and review and approval by the Township Attorney.



Mayor & Township Council
Township of North Brunswick
Re: Livingston Ave. Wastewater Collection System &
Water System Rehabilitation

June 18, 2024
Our File No. PNO00449.02/03
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Finally, please return the enclosed Contractor's executed Change Order, the NJDEP Change Order No. 2 and NJDEP Forms CCS-002, CCS-005, CCS-006, CCS-007 to this office so that we may transmit the same to the NJDEP.

Should you have any questions regarding this matter, please do not hesitate to contact this office.

Very truly yours,



Michael J. McClelland, P.E.
Township Engineer

MJM/JCW/pb
Enclosures

cc: Justine Progebin, Business Administrator
Lisa Russo, Township Clerk
Ronald Gordon, Esq., Township Attorney
Michael Hritz, Director of Community Development
Lucas Brothers, Inc., Contractor

VOUCHER

Date: 6/14/2024

TOWNSHIP OF NORTH BRUNSWICK, NEW JERSEY

710 Hermann Road North Brunswick, NJ 08902

PAY TO:	Lucas Brothers, Inc.	Contract # 19-055
ADDRESS:	80 AMBOY ROAD, MORGANVILLE NJ 07751	All bills must be itemized and accurately show for what service or material the same are presented
Contract #	19-055	

ACCOUNT CHARGED _____

DATE	DESCRIPTION	UNIT PRICE	TOTAL
	FOR WORK PERFORMED BY CONTRACTOR ON THE NORTH BRUNSWICK LIVINGSTON AVE. WASTEWATER COLLECTION SYSTEM & WATER SYSTEM REHABILITATION FROM:		
	02/10/24 to 05/15/2024		
	IN ACCORDANCE WITH THE ATTACHED		
	CLOSEOUT CHANGE ORDER AND FINAL PAY ESTIMATE NO. 16		
	TOTAL VALUE OF WORK COMPLETED		\$6,264,774.39
	LESS RETAINAGE		\$0.00
	BALANCE		\$6,264,774.39
	LESS PREVIOUS PAYMENTS		\$6,110,862.91
	TOTAL AMOUNT DUE	TOTAL	\$153,911.48

<p style="text-align: center; font-weight: bold;">CLAIMANTS CERTIFICATION AND DECLARATION</p> <p>I do solemnly declare and certify under the penalties of the law that the within bill is correct in all its particulars; that the articles have been furnished or services rendered as stated therein; that no bonus has been given or received by any person or persons with the knowledge of this claimant in connection with the above claim; that the amount therein stated is justly due and owing; and that the amount charged is a reasonable one.</p> <p style="margin-top: 20px;">(Sign Here) </p> <p>Official Position <u>Luis Lopez, President</u></p> <p>T.I.N./S.S.# <u>22-2261741</u></p>	<p style="text-align: center; font-weight: bold;">MUNICIPAL OFFICER'S CERTIFICATION</p> <p>Having knowledge of the facts in the course of regular procedures, I certify that the materials and supplies have been received or the services rendered; said certification is based on delivery slips acknowledged by a municipal official or employee or other reasonable procedures.</p> <p style="margin-top: 20px;">(Sign Here) _____</p> <p>Official Position _____</p>	<p style="text-align: center; font-weight: bold;">APPROVED BY:</p> <p style="text-align: center;">_____ Certified Financial Officer</p> <p>Date _____</p> <hr/> <p style="text-align: center; font-weight: bold;">PAYMENT RECORD</p> <p>DATE: _____</p> <p>CHECK: _____</p>
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**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 16**

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

OWNER: Township of North Brunswick

Period Included: 02/10/24 to 05/15/2024

Date Submitted: June 14, 2024

Contractor: Lucas Brothers, Inc.

ITEM	DESCRIPTION	UNIT	WORK COMPLETED						
			UNIT PRICE	ORIGINAL BID	TOTAL	PREVIOUS ESTIMATE		CURRENT ESTIMATE	
			(Dollars Cents)	Quantity	(Dollar Cents)	Quantity	Extension	Quantity	Extension
1	Environmental Protection Measures	LS	\$10,000.00	1	\$10,000.00	1.00	\$10,000.00	1.00	\$10,000.00
2	Mobilization	LS	\$175,000.00	1	\$175,000.00	1.00	\$175,000.00	1.00	\$175,000.00
3	Breakaway barricade	UN	\$1.00	53	\$53.00	53.00	\$53.00	53.00	\$53.00
4	Drum	UN	\$1.00	286	\$286.00	286.00	\$286.00	286.00	\$286.00
5	Traffic cone	UN	\$1.00	286	\$286.00	286.00	\$286.00	286.00	\$286.00
6	Construction signs	SF	\$16.00	499	\$7,984.00	499.00	\$7,984.00	499.00	\$7,984.00
7	Traffic control truck with mounted crash cushion	DAY	\$106.00	240	\$25,440.00	186.00	\$19,716.00	186.00	\$19,716.00
8	Two (2) portable variable message signs	DAY	\$140.00	240	\$33,600.00	120.00	\$16,800.00	120.00	\$16,800.00
9	Two (2) flashing arrow boards, 4' x 8'	DAY	\$14.00	240	\$3,360.00	186.00	\$2,604.00	186.00	\$2,604.00
10	Traffic director, municipal police allowance (\$200,000.00)	ALLOW	\$200,000.00	1	\$200,000.00	1.390803	\$278,160.53	1.390803	\$278,160.53
11	Remove existing curb or curb and gutter	LF	\$0.01	853	\$8.53	1,113.00	\$11.13	1,113.00	\$11.13
12	Remove existing walks	SF	\$0.01	13243	\$132.43	13,273.26	\$132.73	13,273.26	\$132.73
13	Remove and dispose of existing sanitary sewer manholes	UN	\$1.00	9	\$9.00	8.00	\$8.00	8.00	\$8.00
14	Clearing Site (L.S. \$100,000.00)	LS	\$100,000.00	1	\$100,000.00	0.90	\$90,000.00	1.00	\$100,000.00
15	Excavation, unclassified	CY	\$20.00	682	\$13,640.00	301.50	\$6,030.00	301.50	\$6,030.00
16	Driveway excavation, unclassified	CY	\$20.00	341	\$6,820.00	411.64	\$8,232.80	411.64	\$8,232.80
17	Excavation, test pit (Min. unit price bid \$10.00/CY)	CY	\$250.00	500	\$125,000.00	478.54	\$119,635.00	478.54	\$119,635.00
18	Disposing of contaminated (hazardous) soil (Allowance: \$100,000.00)	ALLOW	\$100,000.00	1	\$100,000.00	0.00	\$0.00	0.00	\$0.00
19	NJDOT No. 57 type stone	CY	\$0.01	500	\$5.00	0.00	\$0.00	0.00	\$0.00
20	2" To 2-1/2" clean stone subbase (Min. unit price bid \$10.00/CY)	CY	\$10.00	100	\$1,000.00	0.00	\$0.00	0.00	\$0.00
21	NJDOT No. 57 stone bedding, 6" thick for sewer main pipe trench (Min. unit price bid \$10.00/CY)	CY	\$10.00	6795	\$67,950.00	878.00	\$8,780.00	878.00	\$8,780.00
22	Dense graded aggregate for sewer main pipe trench (Min. unit price bid \$10.00/CY)	CY	\$10.00	1914	\$19,140.00	1,024.00	\$10,240.00	1,024.00	\$10,240.00
23	Composite sand/ash/pozzolan mix for sewer main pipe trench	CY	\$35.00	79	\$2,765.00	0.00	\$0.00	0.00	\$0.00

**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 16**

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

OWNER: Township of North Brunswick

Period Included: 02/10/24 to 05/15/2024

Date Submitted: June 14, 2024

Contractor: Lucas Brothers, Inc.

ITEM	DESCRIPTION	UNIT	WORK COMPLETED						
			UNIT PRICE	ORIGINAL BID	TOTAL	PREVIOUS ESTIMATE		CURRENT ESTIMATE	
			(Dollars Cents)	Quantity	(Dollar Cents)	Quantity	Extension	Quantity	Extension
24	Reset existing casting	UN	\$120.00	8	\$960.00	0.00	\$0.00	0.00	\$0.00
25	Hot mix asphalt, sidewalk, 6" thick	SY	\$90.00	234	\$21,060.00	86.32	\$7,768.80	86.32	\$7,768.80
26	Concrete sidewalk, 4" thick	SF	\$12.00	12107	\$145,284.00	30,255.85	\$363,070.20	30,255.85	\$363,070.20
27	Concrete driveways, reinforced, 6" thick	SF	\$12.00	2814	\$33,768.00	10,265.81	\$123,189.72	10,265.81	\$123,189.72
28	Concrete driveways, reinforced, 10" thick, commercial	SF	\$14.00	2076	\$29,064.00	5,694.20	\$79,718.80	5,694.20	\$79,718.80
29	Hot mix asphalt driveway, 2" thick	SY	\$100.00	36	\$3,600.00	494.08	\$49,408.00	494.08	\$49,408.00
30	Hot mix asphalt driveway, 6" thick, commercial	SY	\$110.00	124	\$13,640.00	262.65	\$28,891.50	262.65	\$28,891.50
31	Aggregate driveway, 4" thick	SY	\$80.00	4	\$320.00	0.00	\$0.00	0.00	\$0.00
32	Detectable warning surface	SY	\$450.00	31	\$13,950.00	31.00	\$13,950.00	31.00	\$13,950.00
33	Brick paver sidewalk	SF	\$14.00	460	\$6,440.00	632.00	\$8,848.00	632.00	\$8,848.00
34	Concrete pad for bus shelter, reinforced 6" thick	SF	\$12.00	81	\$972.00	0.00	\$0.00	0.00	\$0.00
35	8" x 16" concrete vertical curb	LF	\$40.00	853	\$34,120.00	2,067.00	\$82,680.00	2,067.00	\$82,680.00
36	8" x 18" concrete vertical curb	LF	\$40.00	644	\$25,760.00	827.04	\$33,081.60	827.04	\$33,081.60
37	Regulatory and warning signs	SF	\$40.00	88	\$3,520.00	0.00	\$0.00	0.00	\$0.00
38	Project Sign	UN	\$2,000.00	1	\$2,000.00	0.00	\$0.00	0.00	\$0.00
39	Furnish and install bus shelter	UN	\$61,000.00	1	\$61,000.00	1.00	\$61,000.00	1.00	\$61,000.00
40	Abandon existing sanitary sewer pipes and fill with grout	LF	\$8.20	682	\$5,592.40	0.00	\$0.00	0.00	\$0.00
41	8" PVC SDR-35 gravity sanitary sewer, 0' to 6' deep	LF	\$70.00	1347	\$94,290.00	1,159.26	\$81,148.20	1,159.26	\$81,148.20
42	8" PVC SDR-35 gravity sanitary sewer, 6' to 8' deep	LF	\$85.00	647	\$54,995.00	465.50	\$39,567.50	465.50	\$39,567.50
43	8" PVC SDR-35 gravity sanitary sewer, 8' to 10' deep	LF	\$100.00	212	\$21,200.00	206.00	\$20,600.00	206.00	\$20,600.00
44	10" PVC SDR-35 gravity sanitary sewer, 10' to 12' deep	LF	\$180.00	61	\$10,980.00	58.50	\$10,530.00	58.50	\$10,530.00
45	Clean and line 10" dia. sanitary sewer main using cured-in-place pipe lining	LF	\$46.00	4268	\$196,328.00	3,880.00	\$178,480.00	3,880.00	\$178,480.00

**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 16**

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

OWNER: Township of North Brunswick

Period Included: 02/10/24 to 05/15/2024

Date Submitted: June 14, 2024

Contractor: Lucas Brothers, Inc.

ITEM	DESCRIPTION	UNIT	WORK COMPLETED						
			UNIT PRICE	ORIGINAL BID	TOTAL	PREVIOUS ESTIMATE		CURRENT ESTIMATE	
			(Dollars Cents)	Quantity	(Dollar Cents)	Quantity	Extension	Quantity	Extension
46	Provide labor, equipment, materials and supervision for pre-liner video inspection of sanitary sewers	LF	\$3.75	4268	\$16,005.00	3,880.00	\$14,550.00	3,880.00	\$14,550.00
47	Pressure testing and grouting of sanitary sewer joints	UN	\$140.00	100	\$14,000.00	0.00	\$0.00	0.00	\$0.00
48	Manhole rehabilitation - 8' to 10' deep	UN	\$11,000.00	1	\$11,000.00	1.00	\$11,000.00	1.00	\$11,000.00
49	Manhole rehabilitation - 10' to 12' deep	UN	\$11,000.00	6	\$66,000.00	6.00	\$66,000.00	6.00	\$66,000.00
50	Manhole rehabilitation - 12' to 14' deep	UN	\$11,000.00	2	\$22,000.00	2.00	\$22,000.00	2.00	\$22,000.00
51	Manhole rehabilitation - 14' to 16' deep	UN	\$11,000.00	4	\$44,000.00	2.00	\$22,000.00	2.00	\$22,000.00
52	Manhole rehabilitation - 16' to 18' deep	UN	\$11,000.00	1	\$11,000.00	0.00	\$0.00	0.00	\$0.00
53	Temporary Bypass System	LS	\$72,000.00	1	\$72,000.00	1.00	\$72,000.00	1.00	\$72,000.00
54	4' dia. precast concrete sanitary sewer manhole, 0' to 6' deep	UN	\$21,675.00	4	\$86,700.00	4.00	\$86,700.00	4.00	\$86,700.00
55	4' dia. precast concrete sanitary sewer manhole, 6' to 8' deep	UN	\$24,000.00	3	\$72,000.00	3.00	\$72,000.00	3.00	\$72,000.00
56	4' dia. precast concrete sanitary sewer manhole, 8' to 10' deep	UN	\$25,000.00	1	\$25,000.00	1.00	\$25,000.00	1.00	\$25,000.00
57	4' dia. precast concrete sanitary sewer manhole, 10' to 12' deep	UN	\$25,000.00	2	\$50,000.00	1.00	\$25,000.00	1.00	\$25,000.00
58	Reconstruct sanitary sewer manhole	UN	\$20,000.00	1	\$20,000.00	1.00	\$20,000.00	1.00	\$20,000.00
59	8"x4" PVC SDR-35 wye	UN	\$55.00	34	\$1,870.00	26.00	\$1,430.00	26.00	\$1,430.00
60	4" dia. PVC SDR-35 cleanouts	UN	\$70.00	34	\$2,380.00	26.00	\$1,820.00	26.00	\$1,820.00
61	4" PVC SDR-35 sanitary sewer lateral	LF	\$110.00	359	\$39,490.00	148.00	\$16,280.00	148.00	\$16,280.00
62	4" dia. PVC SDR-35 sloped sanitary sewer riser connection	LF	\$2.40	352	\$844.80	41.20	\$98.88	41.20	\$98.88
63	Connect to existing sanitary sewer main	UN	\$1,900.00	14	\$26,600.00	13.00	\$24,700.00	13.00	\$24,700.00
64	Cleaning of sewers	LF	\$2.70	4268	\$11,523.60	3,880.00	\$10,476.00	3,880.00	\$10,476.00
65	Mechanical cleaning of sewers	LF	\$0.01	300	\$3.00	0.00	\$0.00	0.00	\$0.00
66	Testing, gravity sanitary sewer	LF	\$2.20	2265	\$4,983.00	0.00	\$0.00	0.00	\$0.00
67	Reinforced concrete steps, Class B	CY	\$2,100.00	3	\$6,300.00	0.00	\$0.00	0.00	\$0.00

**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 16**

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

OWNER: Township of North Brunswick

Period Included: 02/10/24 to 05/15/2024

Date Submitted: June 14, 2024

Contractor: Lucas Brothers, Inc.

ITEM	DESCRIPTION	UNIT	UNIT PRICE (Dollars Cents)	ORIGINAL BID Quantity	TOTAL (Dollar Cents)	WORK COMPLETED			
						PREVIOUS ESTIMATE		CURRENT ESTIMATE	
						Quantity	Extension	Quantity	Extension
68	Topsoiling, 4" thick	SY	\$7.00	3695	\$25,865.00	5,353.00	\$37,471.00	5,353.00	\$37,471.00
69	Fertilizing	SY	\$0.60	3695	\$2,217.00	5,353.00	\$3,211.80	5,353.00	\$3,211.80
70	Sodding	SY	\$8.00	3695	\$29,560.00	5,353.00	\$42,824.00	5,353.00	\$42,824.00
							\$2,510,453.19		\$2,520,453.19

FUNDED ITEMS CURRENT TO DATE	\$2,520,453.19
LESS RETAINAGE @ 0%	\$0.00
BALANCE	\$2,520,453.19
LESS PREVIOUS PAYMENTS	\$2,460,244.13
BALANCE DUE	\$60,209.06

71	Traffic stripes, latex, 8"	LF	\$2.30	100	\$230.00	0.00	\$0.00	0.00	\$0.00
72	Traffic marking lines, 4"	LF	\$0.75	6500	\$4,875.00	1,334.00	\$1,000.50	1,334.00	\$1,000.50
73	Fuel price adjustment (\$20,000.00)	ALLOW	\$20,000.00	1	\$20,000.00	0.300161	\$6,003.22	0.300161	\$6,003.22
74	Asphalt price adjustment (\$35,000.00)	ALLOW	\$35,000.00	1	\$35,000.00	0.201924	\$7,067.34	0.201924	\$7,067.34
75	Remove existing fire hydrant, run-out, and valve, salvage hydrant to owner	UN	\$10.00	19	\$190.00	19.00	\$190.00	19.00	\$190.00
76	Remove existing reinforced concrete pavement slab	SY	\$1.50	13740	\$20,610.00	4,343.61	\$6,515.42	4,343.61	\$6,515.42
77	Dense graded aggregate base course (Min. unit price bid \$10.00/CY)	CY	\$10.00	107	\$1,070.00	0.00	\$0.00	0.00	\$0.00
78	HMA milling, 3" or less	SY	\$6.00	5555	\$33,330.00	7,339.50	\$44,037.00	7,339.50	\$44,037.00
79	Hot mix asphalt 9.5M64 surface and leveler course	TON	\$105.00	221	\$23,205.00	862.37	\$90,548.85	862.37	\$90,548.85
80	Hot mix asphalt 19M64 base course	TON	\$0.01	5264	\$52.64	519.92	\$5.20	519.92	\$5.20
81	Temporary pavement 19M64 base course, 2" thick	TON	\$0.01	800	\$8.00	0.00	\$0.00	0.00	\$0.00

**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 16**

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			UNIT PRICE	ORIGINAL BID	TOTAL	PREVIOUS ESTIMATE		CURRENT ESTIMATE	
			(Dollars Cents)	Quantity	(Dollar Cents)	Quantity	Extension	Quantity	Extension
82	Tack Coat	GAL	\$0.01	230	\$2.30	380.87	\$3.81	380.87	\$3.81
83	Prime Coat	GAL	\$0.01	101	\$1.01	0.00	\$0.00	0.00	\$0.00
84	Polymerized joint adhesive	LF	\$0.01	16780	\$167.80	2,231.00	\$22.31	2,231.00	\$22.31
85	15" dia. Reinforced concrete pipe (RCP), class v storm sewer with watertight gaskets	LF	\$65.00	170	\$11,050.00	36.00	\$2,340.00	36.00	\$2,340.00
86	14"x23" Elliptical reinforced concrete pipe (ERCP), class v storm sewer with flexible watertight gaskets	LF	\$125.00	30	\$3,750.00	0.00	\$0.00	0.00	\$0.00
87	Dense graded aggregate for water main pipe trench (Min. unit price bid \$10.00/CY)	CY	\$10.00	7163	\$71,630.00	6,497.38	\$64,973.80	6,497.38	\$64,973.80
88	Composite sand/ash/pozzolan mix for water main pipe trench	CY	\$35.00	792	\$27,720.00	40.00	\$1,400.00	40.00	\$1,400.00
89	Convert inlet to type E	UN	\$3,000.00	2	\$6,000.00	0.00	\$0.00	0.00	\$0.00
90	Roadway trench repair	SY	\$66.00	7073	\$466,818.00	5,523.00	\$364,518.00	5,523.00	\$364,518.00
91	Temporary trench repair	SY	\$0.01	7073	\$70.73	2,446.16	\$24.46	2,446.16	\$24.46
92	Impervious trench stops	UN	\$1.00	76	\$76.00	0.00	\$0.00	0.00	\$0.00
93	Remove existing water distribution piping	LF	\$0.01	3515	\$35.15	0.00	\$0.00	0.00	\$0.00
94	Abandon existing water distribution piping and fill with grout (If and where ordered)	LF	\$0.01	10093	\$100.93	0.00	\$0.00	0.00	\$0.00
95	Reset water valve box to grade (If and where ordered)	UN	\$400.00	5	\$2,000.00	0.00	\$0.00	0.00	\$0.00
96	Furnish and install 4" dia. cement lined D.I.P. Class 52 water main (minimum 4'-0" below grade)	LF	\$175.00	6	\$1,050.00	19.50	\$3,412.50	19.50	\$3,412.50
97	Furnish and install 6" dia. cement lined D.I.P. Class 52 water main (minimum 4'-0" below grade)	LF	\$125.00	72	\$9,000.00	63.00	\$7,875.00	63.00	\$7,875.00
98	Furnish and install 8" dia. cement lined D.I.P. Class 52 water main (minimum 4'-0" below grade)	LF	\$80.00	1161	\$92,880.00	1,465.90	\$117,272.00	1,465.90	\$117,272.00
99	Furnish and install 10" dia. cement lined D.I.P. Class 52 water main (minimum 4'-0" below grade)	LF	\$220.00	6	\$1,320.00	9.00	\$1,980.00	9.00	\$1,980.00
100	Furnish and install 12" dia. cement lined D.I.P. Class 52 water main (minimum 4'-0" below grade)	LF	\$165.00	15	\$2,475.00	89.00	\$14,685.00	89.00	\$14,685.00
101	Furnish and install 16" dia. cement lined D.I.P. Class 52 water main (minimum 4'-0" below grade)	LF	\$138.00	6521	\$899,898.00	6,247.00	\$862,086.00	6,247.00	\$862,086.00
102	Furnish and install 8" dia. cement lined D.I.P. Class 52 water main with M.J. type joints	LF	\$120.00	176	\$21,120.00	543.00	\$65,160.00	543.00	\$65,160.00
103	Remove existing water service connections	UN	\$1.00	98	\$98.00	63.00	\$63.00	63.00	\$63.00

**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 16**

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

OWNER: Township of North Brunswick

Period Included: 02/10/24 to 05/15/2024

Date Submitted: June 14, 2024

Contractor: Lucas Brothers, Inc.

ITEM	DESCRIPTION	UNIT	WORK COMPLETED						
			UNIT PRICE	ORIGINAL BID	TOTAL	PREVIOUS ESTIMATE		CURRENT ESTIMATE	
			(Dollars Cents)	Quantity	(Dollar Cents)	Quantity	Extension	Quantity	Extension
104	Furnish and install 1" water service	UN	\$1,800.00	98	\$176,400.00	63.00	\$113,400.00	63.00	\$113,400.00
105	Furnish and install 1-1/2" water service	UN	\$2,600.00	4	\$10,400.00	1.00	\$2,600.00	1.00	\$2,600.00
106	Furnish and install 2" water service	UN	\$3,000.00	4	\$12,000.00	1.00	\$3,000.00	1.00	\$3,000.00
107	Furnish and install 1" type K copper pipe water service and connection to proposed water main	LF	\$9.50	3239	\$30,770.50	1,342.00	\$12,749.00	1,342.00	\$12,749.00
108	Furnish and install 1-1/2" type K copper pipe water service and connection to proposed water main	LF	\$18.00	200	\$3,600.00	14.00	\$252.00	14.00	\$252.00
109	Furnish and install 2" type K copper pipe water service and connection to proposed water main	LF	\$28.00	200	\$5,600.00	1.00	\$28.00	1.00	\$28.00
110	Furnish and install fire hydrant assembly	UN	\$8,500.00	20	\$170,000.00	20.00	\$170,000.00	20.00	\$170,000.00
111	Furnish and install 6" buried M.J. gate valve and valve box within a proposed water main	UN	\$2,300.00	3	\$6,900.00	1.00	\$2,300.00	1.00	\$2,300.00
112	Furnish and install 8" buried M.J. gate valve and valve box within a proposed water main	UN	\$2,900.00	52	\$150,800.00	28.00	\$81,200.00	28.00	\$81,200.00
113	Furnish and install 12" buried M.J. gate valve and valve box within a proposed water main	UN	\$5,500.00	2	\$11,000.00	4.00	\$22,000.00	4.00	\$22,000.00
114	Furnish and install 16" buried M.J. gate valve and valve box within a proposed water main	UN	\$18,500.00	50	\$925,000.00	46.00	\$851,000.00	46.00	\$851,000.00
115	Furnish and install 8" buried insertion valve and valve box within an existing water main	UN	\$13,000.00	12	\$156,000.00	1.00	\$13,000.00	1.00	\$13,000.00
116	Furnish and install 12" buried insertion valve and valve box within an existing water main	UN	\$19,000.00	4	\$76,000.00	1.00	\$19,000.00	1.00	\$19,000.00
117	Furnish and install water main utility crossings in accordance with the details	UN	\$6,400.00	36	\$230,400.00	41.00	\$262,400.00	41.00	\$262,400.00
118	Furnish and install inline connection between proposed and existing water mains	UN	\$3,500.00	33	\$115,500.00	32.00	\$112,000.00	32.00	\$112,000.00
119	Furnish and install temporary by-pass potable water distribution piping	LS	\$2,325.18	1	\$2,325.18	1.00	\$2,325.18	1.00	\$2,325.18
120	Miscellaneous concrete, class B	CY	\$225.00	100	\$22,500.00	0.00	\$0.00	0.00	\$0.00
121	Metal Railing (Min. unit price bid \$60.00/LF)	LF	\$75.00	12	\$900.00	0.00	\$0.00	0.00	\$0.00
122	Foundation, Type SSF	UN	\$2,800.00	2	\$5,600.00	0.00	\$0.00	0.00	\$0.00
123	Solar powered rectangular rapid flashing beacon, 4" -4.5" dia. Round post with push button assembly	UN	\$12,600.00	2	\$25,200.00	0.00	\$0.00	0.00	\$0.00
124	Allowance for unknown subsurface conditions (\$200,000.00)	ALLOW	\$200,000.00	1	\$200,000.00	0.8767	\$175,333.61	0.8767	\$175,333.61
SUP-1	Furnish and install (16) Autumn Brilliance Serviceberry, (19) Trident Maple, (18) Ivory Silk Japanese Tree lilac, (11) Bowhall Red Maple, (8) Skyline Honey Locust, (9) Columnar European Hombeam trees, B&B, 2"-3" Cal. as requested by the Township.	LS	\$144,550.00			1.00	\$144,550.00	1.00	\$144,550.00
SUP-2	Furnish and install underdrain system at Excelsior Avenue and connect existing sump pump discharge pipe including cleanout assembly at house No. 266 and required restoration as requested by the Township.	LS	\$33,000.00			0.80	\$26,400.00	1.00	\$33,000.00

**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 16**

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

OWNER: Township of North Brunswick

Period Included: 02/10/24 to 05/15/2024

Date Submitted: June 14, 2024

Contractor: Lucas Brothers, Inc.

ITEM	DESCRIPTION	UNIT	UNIT PRICE (Dollars Cents)	ORIGINAL BID Quantity	TOTAL (Dollar Cents)	WORK COMPLETED			
						PREVIOUS ESTIMATE		CURRENT ESTIMATE	
						Quantity	Extension	Quantity	Extension
SUP-3	Furnish and install underdrain system at Remsen Avenue between Stevens Street and Nassau Street and provide connection to existing sump pump discharge pipes including cleanout assembly and required restoration as requested by the Township.	LS	\$63,000.00			0.80	\$50,400.00	1.00	\$63,000.00
			SUBTOTAL		\$6,425,393.00		\$3,725,121.20		\$3,744,321.20

NON FUNDED ITEMS CURRENT TO DATE	\$3,744,321.20
LESS RETAINAGE @ 0%	\$0.00
BALANCE	\$3,744,321.20
LESS PREVIOUS PAYMENTS	\$3,650,618.78
BALANCE DUE	\$93,702.42

The undersigned CONTRACTOR certifies that 1) all previous progress payments received from Owner on account of Work done under the Contract referred to above have been applied to discharge in full all obligations of CONTRACTOR incurred in connection with Work covered by Prior Payment Estimates; and 2) title to all materials and equipment incorporated in said Work or otherwise listed in or covered by this Payment Estimate will pass to OWNER at time of payment free and clear of all liens, claims, security interests and encumbrances (except such as covered by Bond acceptable to OWNER).

TOTAL CURRENT TO DATE	\$6,264,774.39
LESS RETAINAGE @0%	\$0.00
BALANCE	\$6,264,774.39
LESS PREVIOUS PAYMENTS	\$6,110,862.91
BALANCE DUE	\$153,911.48

PREPARED BY:

Lucas Brothers, Inc.

Township Engineer

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

CONTRACTOR: LUCAS BROTHERS, INC.

PAYMENT ESTIMATE NO. 16

LUMP SUM COST BREAKDOWN FOR ITEM 124 - Allowance for unknown subsurface conditions (\$200,000.00)

\$200,000.00

Item	Description	Total Amount	Current Completion	Extended Total Price
124.1	Remove existing water main concrete encasement to allow for installation of new water main at Sta 59+25+/-	\$ 5,006.56	100.00%	\$ 5,006.56
124.2	Exploration of the existing water distribution system required for water system shut down at Nassau Street intersection for proposed interconnection	\$ 3,413.61	100.00%	\$ 3,413.61
124.3	Exploration of the existing water distribution system required for water system shut down at Hollywood Street intersection for proposed interconnection	\$ 6,827.22	100.00%	\$ 6,827.22
124.4	Exploration of the existing water distribution system required for system shutdown due to uncharted 4" water main encountered during the excavation for the installation of new water main at Stevens Street intersection	\$ 5,461.78	100.00%	\$ 5,461.78
124.5	Exploration of the existing water distribution system required for system shutdown due to uncharted 6" water main encountered during the excavation for the installation of new water main at Stevens Street intersection	\$ 5,461.78	100.00%	\$ 5,461.78
124.6	Exploration of the existing water distribution system required for water system shutdown due to uncharted house service at 672 Haverford Street	\$ 5,461.78	100.00%	\$ 5,461.78
124.7	Exploration of the existing water distribution system required for water system shut down at Hedges Street intersection	\$ 2,730.89	100.00%	\$ 2,730.89
124.8	Exploration of the existing water distribution system required for water system shut down at Cornell Street intersection	\$ 2,730.89	100.00%	\$ 2,730.89
124.9	Exploration of the existing water distribution system required for water system shut down at Jerome Street intersection	\$ 2,730.89	100.00%	\$ 2,730.89
124.10	Exploration of the existing water distribution system required for water system shut down at Elmer Street intersection	\$ 2,730.89	100.00%	\$ 2,730.89
124.11	Exploration of the existing water distribution system required for water system shut down at Bergen Street intersection	\$ 2,730.89	100.00%	\$ 2,730.89
124.12	Realignment required due to uncharted underground power lines in conflict with proposed water main crossing at 12th Street.	\$ 8,192.67	100.00%	\$ 8,192.67

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

CONTRACTOR: LUCAS BROTHERS, INC.

PAYMENT ESTIMATE NO. 16

LUMP SUM COST BREAKDOWN FOR ITEM 124 - Allowance for unknown subsurface conditions (\$200,000.00)

\$200,000.00

Item	Description	Total Amount	Current Completion	Extended Total Price
124.13	Exploration of the existing water distribution system required for system shutdown due to uncharted 6" water main encountered during the excavation for the installation of new water main at Weber Road intersection	\$ 5,461.78	100.00%	\$ 5,461.78
124.14	Attempt to cut and cap uncharted 6" water main had to be canceled due to conflict with storm drainage within NJDOT ROW in the vicinity of Weber Road	\$ 5,461.78	100.00%	\$ 5,461.78
124.15	Exploration of the existing water distribution system required for water system shut down at Haverford Street intersection for proposed interconnection. Excavate test pits to locate possible uncharted water mains at the intersections of Nassau Street, Hollywood Street, Stevens Street, Hedges Street, Cornell Street and Jerome Place	\$ 15,625.62	100.00%	\$ 15,625.62
124.16	Due to modifications to the water main replacement alignment and additional water main replacement on Webster Road, How Lane and vicinity, extended supplementary potable water by-pass had to be implemented for the residents along Livingston Avenue to avoid water shutdown for the Livingston Garden apartments and Briarcrest Apartments.	\$ 95,304.58	100.00%	\$ 95,304.58

Allocated Subtotal \$ 175,333.61
Not Allocated \$ 24,666.39
Allowance Amount \$200,000.00

Total Amount To Date for Item 124

\$175,333.61

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

CONTRACTOR: Lucas Brothers, Inc

Item No.10- Police Traffic Directors

Contract Amount: \$ 200,000.00

Date	Quantity (Hours)	Rate	Amount	Invoice #	
12/8/2021	20	\$82.05	\$1,641.00	2021483	PAY ESTIMATE NO. 2
12/27/2021	29	\$82.05	\$2,379.46	2021518	
1/4/2022	12.5	\$82.05	\$1,025.63	2021534	
1/12/2022	47	\$82.05	\$3,856.35	2021545	
1/19/2022	57.5	\$82.05	\$4,717.89	2021557	
1/24/2022	98	\$82.05	\$8,040.92	2021569	
1/31/2022	56.5	\$82.05	\$4,635.84	2021584	
12/13/2021	9	\$82.05	\$738.45	2021498	PAY ESTIMATE NO. 3
2/9/2022	37	\$82.05	\$3,035.86	2021600	
2/17/2022	135.5	\$82.05	\$5,948.64	2021609	
2/23/2022	70	\$82.05	\$5,743.52	2021623	
2/28/2022	64.5	\$82.05	\$5,292.25	2022056	
3/8/2022	42	\$82.05	\$3,446.11	2022067	
3/15/2022	19.5	\$82.05	\$1,599.98	2022078	
3/24/2022	44.5	\$82.05	\$3,487.14	2022091	
3/30/2022	42.5	\$82.05	\$3,487.13	2022100	PAY ESTIMATE NO. 4
4/5/2022	42.5	\$82.05	\$31,487.13	2022110	
4/14/2022	30	\$82.05	\$2,462.51	2022120	
4/20/2022	40.5	\$82.05	\$3,323.03	2022131	
4/27/2022	44.5	\$82.05	\$3,651.23	2022144	PAY ESTIMATE NO. 5
5/5/2022	39	\$82.05	\$3,199.97	2022156	
5/11/2022	4	\$82.05	\$328.20	2022170	
5/19/2022	32.5	\$82.05	\$2,666.63	2022181	
5/25/2022	43	\$82.05	\$3,528.16	2022191	
6/2/2022	30	\$82.05	\$2,461.50	2022203	
6/8/2022	39	\$82.05	\$3,199.96	2022214	
6/21/2022	42.5	\$82.05	\$3,487.14	2022267	PAY ESTIMATE NO. 6
6/28/2022	81.5	\$82.05	\$6,687.09	2022277	
7/5/2022	53.5	\$82.05	\$4,389.68	2022287	
7/27/2022	45	\$82.05	\$3,692.26	20222352	PAY ESTIMATE NO. 7
8/2/2022	50	\$82.05	\$4,102.51	20222363	
8/8/2022	74	\$82.05	\$6,071.71	20222373	
8/15/2022	40	\$82.05	\$3,282.01	20222383	
8/22/2022	63	\$82.05	\$5,169.17	2022422	PAY ESTIMATE NO. 8
8/30/2022	89	\$82.05	\$7,302.46	2022431	
9/7/2022	104	\$82.05	\$8,533.23	2022438	
9/12/2022	96	\$82.05	\$7,876.83	2022445	

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

CONTRACTOR: Lucas Brothers, Inc

Item No.10- Police Traffic Directors

Contract Amount: \$ 200,000.00

9/19/2022	114	\$82.05	\$9,353.73	2022456	PAY ESTIMATE NO. 9
9/26/2022	53	\$82.05	\$4,348.66	2022478	
10/3/2022	58	\$82.05	\$4,758.92	2022493	
11/11/2022	39	\$82.05	\$3,199.96	2022519	
10/19/2022	73	\$82.05	\$5,989.67	2022532	
10/24/2022	47	\$82.05	\$3,856.36	2022549	
11/4/2022	9.5	\$82.05	\$779.48	2022-303	PAY ESTIMATE NO. 10
11/9/2022	78.5	\$82.05	\$6,440.93	2022577	
11/15/2022	98.5	\$82.05	\$7,999.89	2022589	PAY ESTIMATE NO. 11
11/21/2022	100.5	\$82.05	\$8,246.04	2022598	
11/4/2022	8.5	\$82.05	\$697.43	2022-304	
1/5/2023	8.5	\$82.05	\$697.43	2022-317	
1/5/2023	4	\$82.05	\$328.20	2022-328	
1/5/2023	36	\$82.05	\$3,199.95	2022-339	
1/5/2023	4	\$82.05	\$328.20	2022-342	
1/5/2023	4	\$82.05	\$328.20	2022-344	
1/5/2023	9.5	\$82.05	\$779.48	2022-346	
1/5/2023	9.5	\$82.05	\$779.48	2022-346	
1/5/2023	19	\$82.05	\$1,558.96	2022-348	
12/28/2022	45	\$82.05	\$3,692.26	2022654	
1/2/2023	54	\$82.05	\$4,430.72	2022663	
1/11/2023	75	\$82.05	\$6,153.76	2022671	
1/16/2023	84.5	\$82.05	\$6,933.24	2022681	
4/25/2023	64	\$97.20	\$6,220.80	2022845	PAY ESTIMATE NO. 12
4/21/2023	21	\$97.20	\$2,041.20	2023-030	
4/20/2023	8	\$97.20	\$777.60	2023-033	
3/29/2023	8.5	\$97.20	\$826.20	2022800	PAY ESTIMATE NO. 13
5/2/2023	17.5	\$97.20	\$1,701.00	2022860	
5/8/2023	25.5	\$97.20	\$2,478.00	2022869	
5/15/2023	33.5	\$97.20	\$3,256.20	2022886	

TOTAL TO DATE:		\$278,160.53	1.39080265
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PROJECT NO. PNO-00449.02/03
 PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation
 OWNER: Township of North Brunswick

Contract Amount = \$35,000.00

Item # 74 - Asphalt Price Adjustment
 Bid = June 2021
 Base Index = \$486.00 - May 2021

NJDOT Asphalt Index

Item / Description	Unit	Factor	% Asphalt	Bid Time	Current	Difference	Add'l / Ton	Current Estimate	Extension
Mid June 2022: Index = \$762.00									
79. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	1.00	4.2%	486.00	762.00	276.00	\$11.59	0.00 TON	\$0.00
80. HOT MIX ASPHALT 19M64 BASE COURSE	TON	1.00	4.4%	486.00	762.00	276.00	\$12.14	519.92 TON	\$6,313.91
Subtotal									\$6,313.91

Item / Description	Unit	Factor	% Asphalt	Bid Time	Current	Difference	Add'l / Ton	Current Estimate	Extension
Mid April 2023: Index = 555.00									
79. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	1.00	4.2%	532.25	555.00	22.75	\$0.96	788.52 TON	\$753.43
80. HOT MIX ASPHALT 19M64 BASE COURSE	TON	1.00	4.4%	532.25	555.00	22.75	\$1.00	0.00 TON	\$0.00
Subtotal									\$753.43

Total To Date =	\$7,067.34
%-age To Date =	20.192398%
Use =	0.2019240
Adjustment =	\$7,067.34

PROJECT NO. PNO-00449.02/03

PROJECT NAME: Livingston Ave. Wastewater Collection System & Water System Rehabilitation

OWNER: Township of North Brunswick

CONTRACT AMOUNT: \$ 20,000.00

ITEM 73 - FUEL ADJUSTMENT

Bid = June 2021

Base Index = \$3.03 - May 2021

Base Fuel Price Index: \$3.03
 Fuel Price Adjustment Ineligible Range (5%) \$2.87 through \$3.18

Work Item	Fuel Usage Factor per NJDOT 160.03.01			Bid Quantity	Equivalent Quantity	Eligible for Adjustment?	Month of Installation: Mid June 2022		
	Per Unit	Gal	Min Qty for 500 GAL				Index: \$5.57		
							Eligible for Adjustment? YES		
							Quantity This Month	Extension	Use
15. EXCAVATION, UNCLASSIFIED	CY	0.5	1000	682	682 CY	NO	0.00	\$0.00	\$0.00
77. DENSE-GRADED AGGRAGATE BASE COURSE, 6" THICK	CY	1	500	107	107 CY	NO	0.00	\$0.00	\$0.00
78. HMA MILLING, 3" AND VARIABLE DEPTH	SY	0.25	2000	5,555	5,555 SY	YES	0.00	\$0.00	\$0.00
79. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	2.5	200	15,000	15,000 TON	YES	0.00	\$0.00	\$0.00
80. HOT MIX ASPHALT 19M64 BASE COURSE	TON	2.5	200	425	425 TON	YES	519.92	\$3,301.49	\$3,301.49
SUBTOTAL:									\$3,301.49

Work Item	Fuel Usage Factor per NJDOT 160.03.01			Bid Quantity	Equivalent Quantity	Eligible for Adjustment?	Month of Installation: Mid April 2023		
	Per Unit	Gal	Min Qty for 500 GAL				Index: \$3.74		
							Eligible for Adjustment? YES		
							Quantity This Month	Extension	Use
15. EXCAVATION, UNCLASSIFIED	CY	0.5	1000	682	682 CY	NO	0.00	\$0.00	\$0.00
77. DENSE-GRADED AGGRAGATE BASE COURSE, 6" THICK	CY	1	500	107	107 CY	NO	0.00	\$0.00	\$0.00
78. HMA MILLING, 3" AND VARIABLE DEPTH	SY	0.25	2000	5,555	5,555 SY	YES	7,335.81	\$1,302.11	\$1,302.11
79. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	2.5	200	15,000	15,000 TON	YES	788.52	\$1,399.62	\$1,399.62
80. HOT MIX ASPHALT 19M64 BASE COURSE	TON	2.5	200	425	425 TON	YES	0.00	\$0.00	\$0.00
SUBTOTAL:									\$2,701.73

Total To Date =	\$6,003.22
%-age To Date =	30.016%
Use =	0.30016
Adjustment =	\$ 6,003.22

**CONDITIONAL WAIVER
AND RELEASE UPON
FINAL PAYMENT**

TO (Owner): Twp. of North Brunswick
710 Hermann Road
North Brunswick, NJ 08902

CONTRACT NO: PNO-00449.02/03

CONTRACT FOR: Livingston Ave. Wastewater Collection
System & Water System Rehabilitation

CONTRACT DATED: August 2021

PROJECT: Livingston Ave. Wastewater Collection System & Water System Rehabilitation – North Brunswick,
New Jersey

(Name and Location)

CONTRACTOR: Lucas Brothers, Inc. – Morganville, New Jersey

Upon receipt by the undersigned of a check from the above named Owner for final payment in the sum of \$ 153,911.48 payable to Lucas Brothers, Inc. and when the check
CONTRACTOR
has been properly endorsed and has been paid by the bank upon which it is drawn, this document shall become effective to release any mechanic's lien, stop notice, or bond right the undersigned has on the above named Project, for the above named owner. This release covers the final payment to the undersigned for all labor, services, equipment, or material furnished on the project.

The Contractor further agrees to indemnify and hold harmless the Owner from loss, expense, damage or injury as a result of claims arising out of or in connection with the execution of the work provided for in said contract, including any claim made by a laborer, contractor or supplier that may have furnished labor or material directly or indirectly to the Contractor or by reason of any action brought or judgment recovered by such laborer, contractor or material supplier.

Dated: 6/11/24

Lucas Brothers, Inc.
COMPANY NAME

By: Chris Lucas President
NAME and TITLE

Signature: [Signature]

Subscribed and sworn before me this
11th day of June, 2024

Notary Public: [Signature]

My Commission Expires:

DANIEL LUCAS
Notary Public, State of New Jersey
Comm. # 2358698
My Commission Expires 5/7/2027

**CONTRACTOR'S AFFIDAVIT
OF PAYMENT OF
DEBTS AND CLAIMS**

TO (Owner): Twp. of North Brunswick
710 Hermann Road
North Brunswick, NJ 08902

CONTRACT NO: PNO-00449.02/03

CONTRACT FOR: Livingston Ave. Wastewater Collection
System & Water System Rehabilitation

CONTRACT DATED: August 2021

PROJECT: Livingston Ave. Wastewater Collection System & Water System Rehabilitation – North Brunswick,
New Jersey

(Name and Location)

CONTRACTOR: Lucas Brothers, Inc. – Morganville, New Jersey

State of: New Jersey

The undersigned hereby certifies that, except as listed below, payment has been made in full and all obligations have otherwise been satisfied for all materials and equipment furnished, for all work, labor, and services performed, and for all known indebtedness and claims against the Contractor for damages arising in any manner in connection with the performance of the Contract referenced above for which the Owner or Owner's property might in any way be held responsible or encumbered.

EXCEPTIONS: **NONE**

CONTRACTOR: Lucas Brothers, Inc.

BY: 
(Signature of authorized representative)

Lucas, President
(Print name and Title)

Subscribed and sworn before me this
11th day of June, 2021

Notary Public: 

My Commission Expires:

DANIEL LUCAS
Notary Public, State of New Jersey
Comm. # 2358698
My Commission Expires 5/7/2027

**CONTRACTOR'S
AFFIDAVIT OF
RELEASE OF LIENS**

TO (Owner): Twp. of North Brunswick
710 Hermann Road
North Brunswick, NJ 08902

CONTRACT NO: PNO-00449.02/03

CONTRACT FOR: Livingston Ave. Wastewater Collection
System & Water System Rehabilitation

CONTRACT DATED: August 2021

PROJECT: Livingston Ave. Wastewater Collection System & Water System Rehabilitation – North Brunswick,
New Jersey

(Name and Location)

CONTRACTOR: Lucas Brothers, Inc. – Morganville, New Jersey

State of: New Jersey

The undersigned, pursuant to Article 14.07 of the General Conditions of the Contract, hereby certifies, that to the best of his knowledge, information and belief, except as listed below, the Releases or Waivers of Lien attached hereto include the Contractor, all Subcontractors, all suppliers of materials and equipment, and all performers of Work, labor or services who have or may have liens against any property of the Owner arising in any manner out of the performance of the Contract referenced above.

EXCEPTIONS: **NONE**

CONTRACTOR: Lucas Brothers, Inc.

BY: [Signature]
(Signature of authorized representative)

Chris Lucas President
(Print name and Title)

Subscribed and sworn before me this
11th day of June, 2024

Notary Public: [Signature]

My Commission Expires:

DANIEL LUCAS
Notary Public, State of New Jersey
Comm. # 2358698
My Commission Expires 5/7/2027

**GUARANTEE FOR CORRECTION OF WORK
AFTER SUBSTANTIAL COMPLETION
OR FINAL PAYMENT**

TO (Owner): Twp. of North Brunswick
710 Hermann Road
North Brunswick, NJ 08902

CONTRACT NO: PNO-00449.02/03

CONTRACT FOR: Livingston Ave. Wastewater Collection
System & Water System Rehabilitation

CONTRACT DATED: August 2021

PROJECT: Livingston Ave. Wastewater Collection System & Water System Rehabilitation – North Brunswick,
New Jersey

(Name and Location)

CONTRACTOR: Lucas Brothers, Inc. – Morganville, New Jersey

State of: New Jersey

Being duly sworn according to law upon his oath, Chris Lucas
Name of Authorized Representative

deposes and says that he is the President of Lucas Brothers, Inc.
Title of Authorized Representative

in the County of Monmouth, State of New Jersey, and as such has full authority to sign this Affidavit.

NOW, THEREFORE, he shall correct his work in accordance with the Standard General Conditions of the
Contract Article F 13.07 and Supplementary Conditions Section G 14.11.

CONTRACTOR: Lucas Brothers, Inc.

BY: [Signature]
(Signature of authorized representative)

Chris Lucas President
(Print name and Title)

Subscribed and sworn before me this
11th day of June, 2021

Notary Public: [Signature]

My Commission Expires:

DANIEL LUCAS
Notary Public, State of New Jersey
Comm. # 2358698
My Commission Expires 5/7/2027

**CONTRACTOR'S
AFFIDAVIT OF
PREVAILING WAGE RATE**

TO (Owner): Twp. of North Brunswick
710 Hermann Road
North Brunswick, NJ 08902

CONTRACT NO: PNO-00449.02/03

CONTRACT FOR: Livingston Ave. Wastewater Collection
System & Water System Rehabilitation

CONTRACT DATED: August 2021

PROJECT: Livingston Ave. Wastewater Collection System & Water System Rehabilitation – North Brunswick,
New Jersey

(Name and Location)

CONTRACTOR: Lucas Brothers, Inc. – Morganville, New Jersey

State of: New Jersey

Being duly sworn according to law upon his oath, Luigi Lucas
Name of Authorized Representative

deposes and says that he is the President of Lucas Brothers, Inc.,
Title of Authorized Representative

in the County of Monmouth, State of New Jersey, and as such has full authority to sign this Affidavit.

NOW, THEREFORE, he has read and understand the prevailing wage rate requirements and have paid all his employees as required pursuant to chapter 150 of the New Jersey laws of 1963 and have complied with regulation NJAC 12:60-2.1 and 6.1 of the New Jersey Prevailing Wage Act, NJSA 34:11-55.25 et.seq. which requires Lucas Brothers, Inc. to file certified payroll records.

I certify that all statements contained in this affidavit are true and correct, and made with full knowledge that Owner relies upon the truth of the statements made above in closing out the project listed above.

CONTRACTOR: Lucas Brothers, Inc.

BY: [Signature]
(Signature of authorized representative)

Luigi Lucas, President
(Print name and Title)

Subscribed and sworn before me this
11th day of June, 2021

Notary Public: [Signature]
My Commission Expires:

DANIEL LUCAS
Notary Public, State of New Jersey
Comm. # 2358698
My Commission Expires 5/7/2027