

**A RESOLUTION OF THE TOWNSHIP OF NORTH BRUNSWICK AMENDING
CONTRACT BID20001 WITH P&A CONSTRUCTION, INC. FOR THE
2020 ROAD IMPROVEMENT PROGRAM PROJECT
CLOSEOUT CHANGE ORDER (\$416,747.28)**

WHEREAS, the Mayor and Council have continued to fund and support the Municipal Road Program initiated in 2000 for pavement and reconstruction improvements of municipal streets, roads and curbing; and

WHEREAS, the Department of Community Development works with the Municipal Engineer and oversees the Municipal Road Program; and

WHEREAS, in May of 2020, pursuant to Resolution 150-5.20, the Township Council authorized Contract BID20001 with P&A Construction Inc. of Rahway, New Jersey with a base bid of \$4,316,128.87 for Items 1 through 135, which is inclusive of Deletion Items A and B; and

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

WHEREAS, with favorable conditions encountered throughout the project, P&A Construction 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 (\$416,747.28); 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 that the Council authorize amending the contract with P&A Construction Inc. to reduce the contract amount by (\$416,747.28) pursuant to the Closeout Change Order prepared by CME Associates, for a revised contract amount of \$3,899,381.59.

NOW THEREFORE, BE IT RESOLVED, on this 7th day of February 2022, the Township Council of the Township of North Brunswick does hereby authorize the Mayor to execute Closeout Change Order documents for the 2020 Road Improvements Program contract, which reflects a net contract reduction of (\$416,747.28).

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				
LOPEZ				
GUADAGNINO				
ANDREWS				
SOCIO				
DAVIS				
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 February 7, 2022.

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



TIM W. GILLEN, PE, PP, CME (1991-2019)
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

January 12, 2022

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

**Re: Township of North Brunswick
2020 Road Improvement Program
Contract No. 20-001
Our File No.: PNO-00651.02**

Dear Mayor and Township Council:

The 2020 Road Improvement Program, Contract No. 20-001 which included improvements to Chrome Street, Fox Meadows Road, Hartland Commons, The Municipal Building Parking Lot, Quail Mews, Raider Road, Roosevelt Avenue, Ruth Road, Harold Street, Lincoln Place and Thomas Avenue has been satisfactorily completed by the Contractor, P&A Construction, 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. 12 for work performed from October 23, 2021 to December 31, 2021.

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 \$4,316,128.87 to \$3,899,381.59 for a net overall reduction of \$416,747.28.

The supplementary 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 and provides an improved level of service to the Residents of the Township.



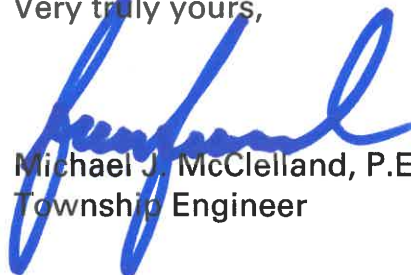
Mayor and Township Council
Township of North Brunswick
Re: 2020 Road Improvement Program

January 12, 2022
Our File No. PNO00651.02
Page 2

Accordingly, we recommend final acceptance of the work, approval of Closeout Change Order and Final Payment Estimate No. 12 and payment to the Contractor in the amount of \$77,987.63, subject to the submission of a one (1) year 15% Maintenance Guarantee in the amount of \$584,907.23 and review and approval by the Township Attorney of the attached Closeout Change Order.

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/pb
Enclosures

cc: Justine Progebin, Business Administrator
Lisa Russo, Township Clerk
Ronald Gordon, Esq., Township Attorney
Michael Hritz, Director of Community Development
P&A Construction, Inc.

VOUCHER

Date: 01/6/2022



TOWNSHIP OF NORTH BRUNSWICK, NEW JERSEY

710 Hermann Road North Brunswick, NJ 08902

PAY TO:	P&A CONSTRUCTION, INC.	Contract # 20-001
ADDRESS:	P.O. BOX 25 COLONIA NJ 07067	All bills must be itemized and accurately show for what service or material the same are presented
Contract #	20-001	

ACCOUNT CHARGED _____

DATE	DESCRIPTION	UNIT PRICE	TOTAL
	FOR WORK PERFORMED BY CONTRACTOR ON THE NORTH BRUNSWICK 2020 ROAD IMPROVEMENT PROGRAM FROM		
	10/23/2021 - 12/31/2021		
	IN ACCORDANCE WITH THE ATTACHED		
	CLOSEOUT CHANGE ORDER AND FINAL PAY ESTIMATE NO. 12		
	TOTAL VALUE OF WORK COMPLETED		\$3,899,381.59
	LESS RETAINAGE		\$0.00
	BALANCE		\$3,899,381.59
	LESS PREVIOUS PAYMENTS		\$3,821,393.96
	TOTAL AMOUNT DUE (Subject to NJDOT approval and submittal of required Maintenance Guarantee)	TOTAL	\$77,987.63

<p style="text-align: center;">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> <div style="text-align: center; margin-top: 20px;">  </div> <p>(Sign Here) _____</p> <p>Official Position Francisco A. Pinho, III President</p> <p>T.I.N./S.S.# <u>22-1633943</u></p>	<p style="text-align: center;">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> <div style="text-align: center; margin-top: 20px;">  </div> <p>(Sign Here) _____</p> <p>Official Position _____</p>	<p style="text-align: center;">APPROVED BY:</p> <p style="text-align: center;">_____ Certified Financial Officer</p> <p>Date _____</p> <hr/> <p style="text-align: center;">PAYMENT RECORD</p> <p>DATE: _____</p> <p>CHECK: _____</p>
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**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 12**

PROJECT NO. PNO-00651.02

PROJECT NAME: 2020 Road Improvement Program

OWNER: Township of North Brunswick

Period Included: 10/23/2021 - 12/31/2021

Date Submitted: 01/6/2022

Contractor: P&A Construction, Inc.

ITEM	DESCRIPTION	UNIT	UNIT PRICE (Dollars Cents)	ORIGINAL BID Quantity	TOTAL (Dollar Cents)	PREVIOUS ESTIMATE		CURRENT ESTIMATE	
						Quantity	Extension	Quantity	Extension
1	Mobilization	LS	\$400,000.00	1	\$400,000.00	1.00	\$400,000.00	1.00	\$400,000.00
2	No item	0	\$0.00	0	\$0.00	0.00	\$0.00	0.00	\$0.00
3	Breakaway barricade	UN	\$0.01	32	\$0.32	32.00	\$0.32	32.00	\$0.32
4	Drum	UN	\$0.01	138	\$1.38	138.00	\$1.38	138.00	\$1.38
5	Traffic cone	UN	\$0.01	712	\$7.12	712.00	\$7.12	712.00	\$7.12
6	Construction signs	SF	\$15.00	595	\$8,925.00	595.00	\$8,925.00	595.00	\$8,925.00
7	Traffic director, Municipal Police Allowance (\$160,000.00)	ALLOW	\$160,000.00	1	\$160,000.00	1,070,250	\$171,239.93	1,070,250	\$171,239.93
8	Flashing arrow board, 4'x8'	UN	\$0.01	1	\$0.01	0.00	\$0.00	0.00	\$0.00
9	Portable variable message sign	UN	\$0.01	4	\$0.04	1.00	\$0.01	1.00	\$0.01
10	Traffic control truck with mounted crash cushion	UN	\$0.01	1	\$0.01	1.00	\$0.01	1.00	\$0.01
11	Asphalt price adjustment (\$70,000.00)	ALLOW	\$70,000.00	1	\$70,000.00	-0.618111	-\$43,267.76	-0.618111	-\$43,267.76
12	Fuel price adjustment (\$35,000.00)	ALLOW	\$35,000.00	1	\$35,000.00	-0.214874	-\$7,520.60	-0.214874	-\$7,520.60
13	Allowance for work not specified (\$50,000.00)	ALLOW	\$50,000.00	1	\$50,000.00	0.962856	\$48,132.78	0.962856	\$48,132.78
14	Remove existing curb or rolled curb and gutter	LF	\$2.00	12614	\$25,228.00	12,373.00	\$24,746.00	12,373.00	\$24,746.00
15	Remove existing walks	SF	\$1.00	34608	\$34,608.00	34,172.50	\$34,172.50	34,172.50	\$34,172.50
16	Remove and dispose of existing storm sewer structures (salvage castings)	UN	\$150.00	6	\$900.00	5.00	\$750.00	5.00	\$750.00
17	Remove and dispose of existing storm sewer pipes	LF	\$10.00	69	\$690.00	213.00	\$2,130.00	213.00	\$2,130.00
18	Remove existing fire hydrant, run-out and valve along municipal roadway, salvage hydrant to owner	UN	\$500.00	4	\$2,000.00	4.00	\$2,000.00	4.00	\$2,000.00
19	Clearing site (L.S. \$75,000.00)	LS	\$75,000.00	1	\$75,000.00	1.00	\$75,000.00	1.00	\$75,000.00
20	Removal of pavement up to 14" deep	SY	\$0.01	581	\$5.81	0.00	\$0.00	0.00	\$0.00
21	Excavation, unclassified	CY	\$0.01	6279	\$62.79	3,104.32	\$31.04	3,104.32	\$31.04
22	Remove and replace roadway base	SY	\$0.01	10128	\$101.28	0.00	\$0.00	0.00	\$0.00
23	Driveway excavation, unclassified	CY	\$0.01	377	\$3.77	179.74	\$1.80	179.74	\$1.80
24	Excavation, unclassified, test pit	CY	\$0.01	523	\$5.23	122.80	\$1.22	122.80	\$1.22
25	Soil aggregate, type G	CY	\$0.01	187	\$1.87	0.00	\$0.00	0.00	\$0.00
26	Disposing of contaminated (Hazardous) soil (Allowance: \$50,000.00)	ALLOW	\$50,000.00	1	\$50,000.00	0.00	\$0.00	0.00	\$0.00
27	2" to 2-1/2" clean stone subbase (Minimum unit price bid \$10.00/CY)	CY	\$10.00	2045	\$20,450.00	320.00	\$3,200.00	320.00	\$3,200.00
28	Geotextile roadway stabilization	SY	\$0.01	5536	\$55.36	0.00	\$0.00	0.00	\$0.00
29	Dense graded aggregate base course (Minimum unit price bid \$10.00/CY)	CY	\$10.00	2209	\$22,090.00	2,157.00	\$21,570.00	2,157.00	\$21,570.00
30	HMA milling, 3" or less	SY	\$3.50	36690	\$138,915.00	41,013.30	\$143,546.55	41,013.30	\$143,546.55
31	Polymerized joint adhesive	LF	\$0.01	61106	\$611.06	11,545.00	\$115.45	11,545.00	\$115.45
32	Prepare and seal existing transverse cracks in asphalt pavement with pavement repair geo composite	LF	\$0.01	242	\$2.42	440.00	\$4.40	440.00	\$4.40
33	Tack Coat	GAL	\$0.01	7596	\$75.96	2,633.00	\$26.33	2,633.00	\$26.33
34	Prime Coat	GAL	\$0.01	6496	\$64.96	0.00	\$0.00	0.00	\$0.00
35	Hot mix asphalt 9.5M/64 surface and leveler course	TON	\$83.50	7012	\$585,502.00	7,158.80	\$597,759.80	7,158.80	\$597,759.80
36	Hot mix asphalt 19M/64 base course	TON	\$83.50	4600	\$384,100.00	4,829.75	\$403,284.13	4,829.75	\$403,284.13
37	Reset existing concrete modular block retaining wall	SF	\$75.00	25	\$1,875.00	27.00	\$2,025.00	27.00	\$2,025.00
38	6" dia. smooth wall interior, corrugated, perforated polyethylene tubing (PPT) underdrains with filter fabric, stone backfill for subsurface drains, bedding and backfill (If and where ordered)	LF	\$25.00	8298	\$207,450.00	4,890.00	\$122,250.00	4,890.00	\$122,250.00
39	PVC, SDR-35 Leader drain extension or reconstruction	UN	\$25.00	16	\$400.00	3.00	\$75.00	3.00	\$75.00
40	Connect leader or sump drain to proposed 6" dia. PPT underdrain	UN	\$300.00	29	\$8,700.00	14.00	\$4,200.00	14.00	\$4,200.00
41	Subbase outlet drain	LF	\$0.01	515	\$5.15	14.00	\$0.14	14.00	\$0.14
42	4" dia. Perforated polyethylene tubing (PPT) pipe bedding drains	LF	\$0.01	172	\$1.72	161.00	\$1.61	161.00	\$1.61

WORK COMPLETED

**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 12**

PROJECT NO. PNO-00651.02
PROJECT NAME: 2020 Road Improvement Program
OWNER: Township of North Brunswick

Period Included: 10/23/2021 - 12/31/2021
Date Submitted: 01/16/2022
Contractor: P&A Construction, Inc.

ITEM	DESCRIPTION	UNIT	UNIT PRICE (Dollars Cents)	ORIGINAL BID Quantity	TOTAL (Dollar Cents)	PREVIOUS ESTIMATE		CURRENT ESTIMATE	
						Quantity	Extension	Quantity	Extension
43	15" dia. reinforced concrete pipe (RCP), Class V storm sewer with flexible watertight gaskets,	LF	\$150.00	1819	\$272,850.00	1,603.00	\$240,450.00	1,603.00	\$240,450.00
44	18" dia. reinforced concrete pipe (RCP), Class V storm sewer with flexible watertight gaskets,	LF	\$150.00	509	\$76,350.00	470.00	\$70,500.00	470.00	\$70,500.00
45	24" dia. reinforced concrete pipe (RCP), Class V storm sewer with flexible watertight gaskets,	LF	\$150.00	484	\$72,600.00	544.00	\$81,600.00	544.00	\$81,600.00
46	19" x 30" elliptical reinforced concrete pipe (ERCP), Class V storm sewer with flexible watertight gaskets	LF	\$200.00	33	\$6,600.00	27.00	\$5,400.00	27.00	\$5,400.00
47	Dense graded aggregate for pipe trench	CY	\$0.01	4580	\$45.80	3,111.91	\$31.12	3,111.91	\$31.12
48	Manhole, 4' dia.	UN	\$15,000.00	2	\$30,000.00	2.00	\$30,000.00	2.00	\$30,000.00
49	Manhole, 4' square	UN	\$6,000.00	3	\$18,000.00	3.00	\$18,000.00	3.00	\$18,000.00
50	Manhole, 5' dia.	UN	\$4,000.00	2	\$8,000.00	2.00	\$8,000.00	2.00	\$8,000.00
51	Inlet type B, 8" head	UN	\$2,675.00	6	\$16,050.00	7.00	\$18,725.00	7.00	\$18,725.00
52	Inlet type B, 8" head, extended	UN	\$10,000.00	6	\$60,000.00	6.00	\$60,000.00	6.00	\$60,000.00
53	Inlet type D, 8" head	UN	\$2,400.00	11	\$26,400.00	10.00	\$24,000.00	10.00	\$24,000.00
54	Inlet type E	UN	\$3,750.00	4	\$15,000.00	4.00	\$15,000.00	4.00	\$15,000.00
55	Handhole with casing (Minimum unit price bid \$200.00/UN)	UN	\$200.00	24	\$4,800.00	12.00	\$2,400.00	12.00	\$2,400.00
56	Reset existing casing	UN	\$350.00	55	\$19,250.00	28.00	\$9,800.00	28.00	\$9,800.00
57	Reconstruct inlet, type A	UN	\$1,100.00	1	\$1,100.00	1.00	\$1,100.00	1.00	\$1,100.00
58	Reconstruct inlet, type B, 6" head	UN	\$1,500.00	3	\$4,500.00	3.00	\$4,500.00	3.00	\$4,500.00
59	Reconstruct inlet, type B, 8" head	UN	\$1,500.00	8	\$12,000.00	8.00	\$12,000.00	8.00	\$12,000.00
60	Reconstruct manhole	UN	\$1,100.00	1	\$1,100.00	1.00	\$1,100.00	1.00	\$1,100.00
61	Bicycle safe grate	UN	\$210.00	12	\$2,520.00	7.00	\$1,470.00	7.00	\$1,470.00
62	Curb piece type N-ECCO	UN	\$210.00	20	\$4,200.00	19.00	\$3,990.00	19.00	\$3,990.00
63	Hot mix asphalt sidewalks, 6" thick	SY	\$70.00	118	\$8,260.00	101.44	\$7,100.80	101.44	\$7,100.80
64	Concrete sidewalks, 4" thick	SF	\$6.75	3767	\$227,927.25	36,990.50	\$249,685.88	36,990.50	\$249,685.88
65	Concrete driveways, reinforced, 6" thick	SF	\$8.50	5517	\$46,894.50	4,547.50	\$38,653.75	4,547.50	\$38,653.75
66	Concrete driveways, reinforced, 10" thick, commercial	SF	\$13.75	2517	\$34,608.75	2,468.00	\$33,935.00	2,468.00	\$33,935.00
67	Hot mix asphalt driveway, 2" thick	SY	\$35.00	298	\$10,430.00	235.05	\$8,226.75	235.05	\$8,226.75
68	Hot mix asphalt driveway, 6" thick, commercial	SY	\$65.00	103	\$6,695.00	140.00	\$9,100.00	140.00	\$9,100.00
69	Aggregate driveway, 4" thick	SY	\$10.00	22	\$220.00	28.88	\$288.80	28.88	\$288.80
70	Driveway restoration, pavers	SF	\$15.00	231	\$3,465.00	44.00	\$660.00	44.00	\$660.00
71	Detectable warning surface	SY	\$90.00	107	\$9,630.00	96.59	\$8,693.10	96.59	\$8,693.10
72	8" x 16" concrete vertical curb	LF	\$23.00	113	\$2,599.00	51.00	\$1,173.00	51.00	\$1,173.00
73	8" x 18" concrete vertical curb	LF	\$23.00	10722	\$246,606.00	11,449.00	\$263,327.00	11,449.00	\$263,327.00
74	Reset granite block curb	LF	\$35.00	141	\$4,935.00	40.00	\$1,400.00	40.00	\$1,400.00
75	Granite block curb	LF	\$30.00	1528	\$45,840.00	1,427.00	\$42,810.00	1,427.00	\$42,810.00
76	Traffic stripes, long-life, "thermoplastic", 4" wide, with glass beads	LF	\$0.60	47073	\$28,243.80	43,294.00	\$25,976.40	43,294.00	\$25,976.40
77	Traffic stripes, long-life, "thermoplastic", 6" wide, with glass beads	LF	\$1.00	1167	\$1,167.00	936.00	\$936.00	936.00	\$936.00
78	Traffic stripes, long-life, "thermoplastic", 8" wide, with glass beads	LF	\$1.25	200	\$250.00	181.00	\$226.25	181.00	\$226.25
79	Traffic stripes, long-life, "thermoplastic", 24" wide, with glass beads	LF	\$3.75	500	\$1,875.00	332.00	\$1,245.00	332.00	\$1,245.00
80	Traffic markings, "thermoplastic"	SF	\$6.50	2690	\$17,485.00	762.00	\$4,953.00	762.00	\$4,953.00
81	Paint concrete curbing	LF	\$1.25	523	\$653.75	297.00	\$371.25	297.00	\$371.25
82	Signs	SF	\$40.00	293	\$11,720.00	272.25	\$10,890.00	272.25	\$10,890.00
83	Roadway trench repair	SY	\$44.00	1216	\$53,504.00	1,212.00	\$53,328.00	1,212.00	\$53,328.00
84	Temporary trench repair	SY	\$0.01	3530	\$35.30	0.00	\$0.00	0.00	\$0.00

WORK COMPLETED

**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 12**

PROJECT NO. PNO-00651.02

PROJECT NAME: 2020 Road Improvement Program

OWNER: Township of North Brunswick

Period Included: 10/23/2021 - 12/31/2021

Date Submitted: 01/6/2022

Contractor: P&A Construction, Inc.

ITEM	DESCRIPTION	UNIT	UNIT PRICE (Dollars Cents)	ORIGINAL BID Quantity	TOTAL (Dollar Cents)	PREVIOUS ESTIMATE		CURRENT ESTIMATE		WORK COMPLETED
						Quantity	Extension	Quantity	Extension	
85	Impervious trench stops	UN	\$0.01	8	\$0.08	0.00	\$0.00	0.00	\$0.00	\$0.00
86	Remove existing water distribution piping from municipal roadway	LF	\$0.01	2401	\$24.01	138.00	\$1.38	138.00	\$1.38	\$1.38
87	Furnish and install 6" dia. cement lined DIP Class 52 water main along municipal roadway	LF	\$125.00	74	\$9,250.00	50.00	\$6,250.00	50.00	\$6,250.00	\$6,250.00
88	Furnish and install 8" dia. cement lined DIP Class 52 water main along municipal roadway	LF	\$90.00	2038	\$183,420.00	2,005.00	\$180,450.00	2,005.00	\$180,450.00	\$180,450.00
89	Furnish and install 12" dia. cement lined DIP Class 52 water main along municipal roadway	LF	\$130.00	361	\$46,930.00	0.00	\$0.00	0.00	\$0.00	\$0.00
90	Furnish and install 4" dia. cement lined DIP Class 52 water main along municipal roadway with M.J. type joints	LF	\$250.00	44	\$11,000.00	32.00	\$8,000.00	32.00	\$8,000.00	\$8,000.00
91	Furnish and install 8" dia. cement lined DIP Class 52 water main along municipal roadway with M.J. type joints	LF	\$112.00	91	\$10,192.00	0.00	\$0.00	0.00	\$0.00	\$0.00
92	Furnish and install 1" water service corporation stop, curb boxes, curb stop, adapters, fittings, pavement removal, excavation, backfill & restoration	UN	\$1,925.00	16	\$30,800.00	12.00	\$23,100.00	12.00	\$23,100.00	\$23,100.00
93	Furnish and install 1" K copper pipe water service and connection using open cut method to proposed water main	LF	\$0.01	336	\$3.36	109.50	\$1.10	109.50	\$1.10	\$1.10
94	Furnish and install fire hydrant assembly along municipal roadway	UN	\$6,800.00	8	\$52,800.00	7.00	\$46,200.00	7.00	\$46,200.00	\$46,200.00
95	Furnish and install 4" buried M.J. gate valve and valve box within a proposed water main along municipal roadway	UN	\$2,500.00	1	\$2,500.00	1.00	\$2,500.00	1.00	\$2,500.00	\$2,500.00
96	Furnish and install 6" buried M.J. gate valve and valve box within a proposed water main along municipal roadway	UN	\$2,500.00	1	\$2,500.00	1.00	\$2,500.00	1.00	\$2,500.00	\$2,500.00
97	Furnish and install 8" buried M.J. gate valve and valve box within a proposed water main along municipal roadway	UN	\$1,300.00	15	\$19,500.00	17.00	\$22,100.00	17.00	\$22,100.00	\$22,100.00
98	Furnish and install 12" buried M.J. gate valve and valve box within a proposed water main along municipal roadway	UN	\$2,500.00	6	\$15,000.00	0.00	\$0.00	0.00	\$0.00	\$0.00
99	Furnish and install water main utility crossings in accordance with the details	UN	\$0.01	5	\$0.05	0.00	\$0.00	0.00	\$0.00	\$0.00
100	Furnish and install inline connection between proposed and existing water mains	UN	\$2,500.00	10	\$25,000.00	8.00	\$20,000.00	8.00	\$20,000.00	\$20,000.00
101	Reset water valve box to grade	UN	\$25.00	18	\$450.00	15.00	\$375.00	15.00	\$375.00	\$375.00
102	8" PVC SDR-35 gravity sanitary sewer, 0' to 6' deep	LF	\$0.01	6	\$0.06	5.00	\$0.05	5.00	\$0.05	\$0.05
103	8" PVC SDR-35 gravity sanitary sewer, 6' to 8' deep	LF	\$0.01	6	\$0.06	5.00	\$0.05	5.00	\$0.05	\$0.05
104	8" PVC SDR-35 gravity sanitary sewer, 8' to 10' deep	LF	\$0.01	6	\$0.06	5.00	\$0.05	5.00	\$0.05	\$0.05
105	12" PVC SDR-35 gravity sanitary sewer, 0' to 6' deep	LF	\$90.00	220	\$19,800.00	200.00	\$18,000.00	200.00	\$18,000.00	\$18,000.00
106	12" PVC SDR-35 gravity sanitary sewer, 6' to 8' deep	LF	\$95.00	288	\$27,360.00	261.00	\$24,795.00	261.00	\$24,795.00	\$24,795.00
107	12" PVC SDR-35 gravity sanitary sewer, 8' to 10' deep	LF	\$100.00	79	\$7,900.00	71.00	\$7,100.00	71.00	\$7,100.00	\$7,100.00
108	4' precast concrete sanitary sewer manhole, 0' to 6' deep	UN	\$3,200.00	1	\$3,200.00	1.00	\$3,200.00	1.00	\$3,200.00	\$3,200.00
109	4' precast concrete sanitary sewer manhole, 6' to 8' deep	UN	\$3,400.00	1	\$3,400.00	1.00	\$3,400.00	1.00	\$3,400.00	\$3,400.00
110	4' precast concrete sanitary sewer manhole, 8' to 10' deep	UN	\$3,600.00	1	\$3,600.00	1.00	\$3,600.00	1.00	\$3,600.00	\$3,600.00
111	12"x4" PVC SDR-35 wye	UN	\$2,775.00	4	\$11,100.00	2.00	\$5,550.00	2.00	\$5,550.00	\$5,550.00
112	4" dia. PVC SDR-35 cleanouts, including concrete marker, brass cap, PVC SDR-35 pipe, wye and excavation, backfill, NJDOT type 57 stone	UN	\$0.01	4	\$0.04	2.00	\$0.02	2.00	\$0.02	\$0.02
113	4" PVC SDR-35 sanitary sewer lateral including 45° bend, excavation, backfill, NJDOT type 57 stone	LF	\$0.01	110	\$1.10	35.00	\$0.35	35.00	\$0.35	\$0.35
114	4" PVC SDR-35 sloped sanitary sewer riser connection	UN	\$0.01	44	\$0.44	0.00	\$0.00	0.00	\$0.00	\$0.00
115	Connect to existing sanitary sewer main including transition coupling and concrete encasement	LF	\$0.01	5	\$0.05	4.00	\$0.04	4.00	\$0.04	\$0.04
116	Furnish and install temporary by-pass potable water distribution piping on Chrome Street	LS	\$0.01	1	\$0.01	0.00	\$0.00	0.00	\$0.00	\$0.00
117	Furnish and install temporary by-pass potable water distribution piping on Roosevelt Avenue	LS	\$0.01	1	\$0.01	0.00	\$0.00	0.00	\$0.00	\$0.00
118	Raise and adjust sanitary sewer cleanout	UN	\$0.01	11	\$0.11	0.00	\$0.00	0.00	\$0.00	\$0.00
119	Relocate existing sanitary sewer lateral	UN	\$0.01	11	\$0.11	0.00	\$0.00	0.00	\$0.00	\$0.00
120	Relocate existing sanitary sewer cleanout	UN	\$0.01	11	\$0.11	0.00	\$0.00	0.00	\$0.00	\$0.00
121	CLSM (Controlled low strength material)	CY	\$0.01	24	\$0.24	0.00	\$0.00	0.00	\$0.00	\$0.00

**CLOSEOUT CHANGE ORDER AND
FINAL PAYMENT ESTIMATE NO. 12**

PROJECT NO. PNO-00651.02
PROJECT NAME: 2020 Road Improvement Program
OWNER: Township of North Brunswick

Period Included: 10/23/2021 - 12/31/2021
Date Submitted: 01/6/2022
Contractor: P&A Construction, Inc.

ITEM	DESCRIPTION	UNIT	UNIT PRICE (Dollars Cents)	ORIGINAL BID Quantity	TOTAL (Dollar Cents)	PREVIOUS ESTIMATE		CURRENT ESTIMATE	
						Quantity	Extension	Quantity	Extension
122	Miscellaneous concrete.	CY	\$0.01	20	\$0.20	0.00	\$0.00	0.00	\$0.00
123	Speed hump, including striping and signs	UN	\$5,000.00	4	\$20,000.00	4.00	\$20,000.00	4.00	\$20,000.00
124	Remove additional trees over 4" up to and including 8" caliper	UN	\$0.01	4	\$0.04	0.00	\$0.00	0.00	\$0.00
125	Remove additional trees over 8" up to and including 12" caliper	UN	\$0.01	4	\$0.04	0.00	\$0.00	0.00	\$0.00
126	Remove additional trees over 12" up to and including 16" caliper	UN	\$0.01	4	\$0.04	0.00	\$0.00	0.00	\$0.00
127	Remove additional trees over 16" caliper	UN	\$0.01	4	\$0.04	0.00	\$0.00	0.00	\$0.00
128	Selective root pruning over 4" up to and including 8" caliper	UN	\$0.01	10	\$0.10	0.00	\$0.00	0.00	\$0.00
129	Root barrier	LF	\$10.00	175	\$1,750.00	0.00	\$0.00	0.00	\$0.00
130	Shredded hardwood bark mulching	SY	\$6.50	83	\$539.50	75.00	\$487.50	75.00	\$487.50
131	Topsolling, 4" thick	SY	\$4.75	8596	\$40,831.00	8,164.13	\$38,779.62	8,164.13	\$38,779.62
132	Fertilizing	SY	\$0.35	8596	\$3,008.60	8,164.13	\$2,857.45	8,164.13	\$2,857.45
133	Sodding	SY	\$7.50	8596	\$64,470.00	7,732.02	\$57,990.15	7,732.02	\$57,990.15
134	Replacement trees	UN	\$410.00	4	\$1,640.00	0.00	\$0.00	0.00	\$0.00
135	Replacement shrubs	UN	\$130.00	7	\$910.00	20.00	\$2,600.00	20.00	\$2,600.00
SUP-1	Supplementary work performed at the municipal complex parking lot for the installation of pavers as requested by the township.	LS	\$3,889.56			1.00	\$3,889.56	1.00	\$3,889.56
SUP-2	Supplementary work performed at the municipal complex parking lot islands for the removal and reinstallation of decorative stone and preparation to replace the stones with mulch as requested by the Township.	LS	\$7,862.62			1.00	\$7,862.62	1.00	\$7,862.62
SUP-3	Supplementary work performed for the lawn preparation and installation of sod at 1329 Seneca Road as requested by the Township.	LS	\$2,336.38			1.00	\$2,336.38	1.00	\$2,336.38
SUBTOTAL					\$4,316,128.87				\$3,899,381.59


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).

PREPARED BY: 

P&A Construction, Inc

CURRENT TO DATE \$3,899,381.59
LESS RETAINAGE @ 0% \$0.00
BALANCE \$3,899,381.59
LESS PREVIOUS PAYMENTS \$3,821,393.96
BALANCE DUE \$77,987.63

(Subject to NJDOT approval and submittal of required Maintenance Guarantee)


Township Engineer

PROJECT NO. PNO-00651.02
 PROJECT NAME: 2020 Road Improvement Program
 OWNER: Township of North Brunswick

PAYMENT ESTIMATE NO. 12

LUMP SUM COST BREAKDOWN FOR ITEM 13 - ALLOWANCE FOR WORK NOT SPECIFIED \$50,000.00

Item	Description	Total Amount	Current Completion	Extended Total Price
13.01	Furnish and install Type B Inlet Casting to replace existing broken casting on Raider Road	\$ 200.00	100.00%	\$ 200.00
13.02	Furnish and install Manhole Casting to replace existing broken casting on Thomas Avenue	\$ 200.00	100.00%	\$ 200.00
13.03	Furnish and install inlet Type B back plate to replace existing broken plate on Ruth Road	\$ 95.00	100.00%	\$ 95.00
13.04	Judd School sanitary sewer lateral repair from damages caused during the gas main relocation as requested by the Township	\$ 8,586.96	100.00%	\$ 8,586.96
13.05	Supplementary work to verify the cause for the sanitary sewer blockage and the replacement of the sewer lateral for house No. 1626 Roosevelt Ave. as requested by the Township	\$ 13,850.82	100.00%	\$13,850.82
13.06	Supplementary work performed on Thomas Avenue to re-establish drainage swale and clear outflow drainage pipe as requested by the Township.	\$ 9,500.00	100.00%	\$ 9,500.00
13.07	Supplementary work to reconstruct the existing sprinkler system at the Municipal Building complex including the replacement of heads, pipes and valves as requested by the Township	\$ 12,000.00	100.00%	\$12,000.00
13.08	Furnish and install landscape mulch adjacent to the parking lot at the Municipal Complex as requested by the Township	\$ 2,500.00	100.00%	\$ 2,500.00
13.09	Restore existing landscape stone at 889 Fox Meadows Road	\$ 1,200.00	100.00%	\$ 1,200.00
	Allocated Subtotal	\$ 48,132.78		
	Not Allocated	\$ 1,867.22		
	Allowance Amount	\$50,000.00		

Total Amount To Date for Item 12 \$48,132.78

PROJECT NO. PNO-00651.02
 PROJECT NAME: 2020 Road Improvement Program
 OWNER: Township of North Brunswick

Contract amount = **\$70,000.00**

Item # 11 - Asphalt Price Adjustment
 Bid = April 2020
 Base Index = \$481.00 - March 2020

	Item / Description	Unit	Factor	% Asphalt	NJDOT Asphalt Index			Add'l / Ton	Current Estimate	Extension
					Bid Time	Current	Difference			
July 2020: Index = \$353.00	35. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	1.00	4.2%	481.00	353.00	-128.00	-\$5.38	290.36 TON	-\$1,560.98
	36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	1.00	4.4%	481.00	353.00	-128.00	-\$5.63	20.50 TON	-\$115.46
	Subtotal									-\$1,676.44
August 2020: Index = \$370.00	35. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	1.00	4.2%	481.00	370.00	-111.00	-\$4.66	3841.49 TON	-\$17,909.03
	36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	1.00	4.4%	481.00	370.00	-111.00	-\$4.88	508.52 TON	-\$2,483.61
	Subtotal									-\$20,392.64
September 2020: Index = \$393	35. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	1.00	4.2%	481.00	393.00	-88.00	-\$3.70	1304.17 TON	-\$4,820.21
	36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	1.00	4.4%	481.00	393.00	-88.00	-\$3.87	132.17 TON	-\$511.76
	Subtotal									-\$5,331.97
December 2020: Index = \$354	35. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	1.00	4.2%	481.00	354.00	-127.00	-\$5.33	1340.70 TON	-\$7,151.29
	36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	1.00	4.4%	481.00	354.00	-127.00	-\$5.59	2058.28 TON	-\$11,501.67
	Subtotal									-\$18,652.96
May 2021: Index = \$486	35. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	1.00	4.2%	481.00	486.00	5.00	\$0.21	120.00 TON	\$25.20
	36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	1.00	4.4%	481.00	486.00	5.00	\$0.22	717.00 TON	\$157.74
	Subtotal									\$182.94
August 2021: Index = \$520	35. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	1.00	4.2%	481.00	520.00	39.00	\$1.64	0.00 TON	\$0.00
	36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	1.00	4.4%	481.00	520.00	39.00	\$1.72	1272.27 TON	\$2,183.22
	Subtotal									\$2,183.22
September 2021: Index = \$509	35. HOT MIX ASPHALT 9.5M64 SURFACE AND LEVELER COURSE	TON	1.00	4.2%	481.00	509.00	28.00	\$1.18	262.02 TON	\$308.14
	36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	1.00	4.4%	481.00	509.00	28.00	\$1.23	90.87 TON	\$111.95
	Subtotal									\$420.09

Total To Date =	-\$43,267.76
%-age To Date =	-61.81109%
Use =	-0.6181109
Adjustment =	-\$43,267.76

PROJECT NO. PNO-00651.02
 PROJECT NAME: 2020 Road Improvement Program
 OWNER: Township of North Brunswick

Contract Amount: \$ 35,000.00

Item #12: Fuel Price Adjustment
 Bid = April 2020
 Base Index = \$2.72 - March 2020

Base Fuel Price Index: \$2.72
 Fuel Price Adjustment Ineligible Range (5%) \$2.58 through \$2.85

								Month of Installation: July		
								Index: \$2.16		
								Eligible for Adjustment? YES		
								Quantity This Month		
								Extension		
								Use		
								SUBTOTAL: (\$670.12)		
Fuel Usage Factor per NJDOT 160.03.01										
Work Item	Per Unit	Gal	Min Qty for 500 GAL	Bid Quantity	Equivalent Quantity	Eligible for Adjustment?	Quantity This Month	Extension	Use	
21. EXCAVATION UNCLASSIFIED	CY	0.5	1000	6,279	6,279 CY	YES	10.50	(\$2.94)	(\$2.94)	
29. DENSE-GRADED AGGRAGATE BASE COURSE 6" THICK	CY	1	500	2,209	2,209 CY	YES	0.00	\$0.00	\$0.00	
30. HMA MILLING 3" AND VARIABLE DEPTH	SY	0.25	2000	39,690	39,690 SY	YES	1,657.00	(\$231.98)	(\$231.98)	
35. HOT MIX ASPHALT 9.5M64 SURFACE COURSE	TON	2.5	200	7,012	7,012 TON	YES	290.36	(\$406.50)	(\$406.50)	
36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	2.5	200	4,600	4,600 TON	YES	20.50	(\$28.70)	(\$28.70)	
								Month of Installation: August		
								Index: \$2.36		
								Eligible for Adjustment? YES		
								Quantity This Month		
								Extension		
								Use		
								Subtotal: (\$5,939.13)		
Fuel Usage Factor per NJDOT 160.03.01										
Work Item	Per Unit	Gal	Min Qty for 500 GAL	Bid Quantity	Equivalent Quantity	Eligible for Adjustment?	Quantity This Month	Extension	Use	
21. EXCAVATION UNCLASSIFIED	CY	0.5	1000	6,279	6,279 CY	YES	320.91	(\$57.76)	(\$57.76)	
29. DENSE-GRADED AGGRAGATE BASE COURSE 6" THICK	CY	1	500	2,209	2,209 CY	YES	257.00	(\$92.52)	(\$92.52)	
30. HMA MILLING 3" AND VARIABLE DEPTH	SY	0.25	2000	39,690	39,690 SY	YES	20,820.44	(\$1,873.84)	(\$1,873.84)	
35. HOT MIX ASPHALT 9.5M64 SURFACE COURSE	TON	2.5	200	7,012	7,012 TON	YES	3,841.49	(\$3,457.34)	(\$3,457.34)	
36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	2.5	200	4,600	4,600 TON	YES	508.52	(\$457.67)	(\$457.67)	
								Subtotal: (\$1,898.93)		
Fuel Usage Factor per NJDOT 160.03.01										
Work Item	Per Unit	Gal	Min Qty for 500 GAL	Bid Quantity	Equivalent Quantity	Eligible for Adjustment?	Quantity This Month	Extension	Use	
21. EXCAVATION UNCLASSIFIED	CY	0.5	1000	6,279	6,279 CY	YES	50.00	(\$8.50)	(\$8.50)	
29. DENSE-GRADED AGGRAGATE BASE COURSE 6" THICK	CY	1	500	2,209	2,209 CY	YES	50.00	(\$17.00)	(\$17.00)	
30. HMA MILLING 3" AND VARIABLE DEPTH	SY	0.25	2000	39,690	39,690 SY	YES	7,676.96	(\$652.54)	(\$652.54)	
35. HOT MIX ASPHALT 9.5M64 SURFACE COURSE	TON	2.5	200	7,012	7,012 TON	YES	1,304.17	(\$1,108.54)	(\$1,108.54)	
36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	2.5	200	4,600	4,600 TON	YES	132.17	(\$112.34)	(\$112.34)	
								Subtotal: (\$3,239.33)		
Fuel Usage Factor per NJDOT 160.03.01										
Work Item	Per Unit	Gal	Min Qty for 500 GAL	Bid Quantity	Equivalent Quantity	Eligible for Adjustment?	Quantity This Month	Extension	Use	
21. EXCAVATION UNCLASSIFIED	CY	0.5	1000	6,279	6,279 CY	YES	1,885.00	(\$292.18)	(\$292.18)	
29. DENSE-GRADED AGGRAGATE BASE COURSE 6" THICK	CY	1	500	2,209	2,209 CY	YES	858.00	(\$265.98)	(\$265.98)	
30. HMA MILLING 3" AND VARIABLE DEPTH	SY	0.25	2000	39,690	39,690 SY	YES	608.00	(\$46.97)	(\$46.97)	
35. HOT MIX ASPHALT 9.5M64 SURFACE COURSE	TON	2.5	200	7,012	7,012 TON	YES	1,340.70	(\$1,039.04)	(\$1,039.04)	
36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	2.5	200	4,600	4,600 TON	YES	2,058.28	(\$1,595.17)	(\$1,595.17)	
								Subtotal: (\$1,041.06)		
Fuel Usage Factor per NJDOT 160.03.01										
Work Item	Per Unit	Gal	Min Qty for 500 GAL	Bid Quantity	Equivalent Quantity	Eligible for Adjustment?	Quantity This Month	Extension	Use	
21. EXCAVATION UNCLASSIFIED	CY	0.5	1000	6,279	6,279 CY	YES	0.00	\$0.00	\$0.00	
29. DENSE-GRADED AGGRAGATE BASE COURSE 6" THICK	CY	1	500	2,209	2,209 CY	YES	0.00	\$0.00	\$0.00	
30. HMA MILLING 3" AND VARIABLE DEPTH	SY	0.25	2000	39,690	39,690 SY	YES	4,761.00	\$368.98	\$368.98	
35. HOT MIX ASPHALT 9.5M64 SURFACE COURSE	TON	2.5	200	7,012	7,012 TON	YES	120.06	\$93.05	\$93.05	
36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	2.5	200	4,600	4,600 TON	YES	747.14	\$579.03	\$579.03	
								Subtotal: \$1,041.06		

PROJECT NO. PNO-00651.02
 PROJECT NAME: 2020 Road Improvement Program
 OWNER: Township of North Brunswick

Contract Amount: \$ 35,000.00

Item #12: Fuel Price Adjustment
 Bid = April 2020
 Base Index = \$2.72 - March 2020

Base Fuel Price Index: \$2.72
 Fuel Price Adjustment Ineligible Range (5%) \$2.58 through \$2.85

Work Item	Fuel Usage Factor per NJDOT 160.03.01			Bid Quantity	Equivalent Quantity	Eligible for Adjustment?	Month of Installation: August - 2021		
	Per Unit	Gal	Min Qty for 500 GAL				Index: \$3.27	Eligible for Adjustment? YES	Quantity This Month
21. EXCAVATION UNCLASSIFIED	CY	0.5	1000	6,279	6,279 CY	YES	740.10	\$203.53	\$203.53
29. DENSE-GRADED AGGRAGATE BASE COURSE 6" THICK	CY	1	500	2,209	2,209 CY	YES	0.00	\$0.00	\$0.00
30. HMA MILLING 3" AND VARIABLE DEPTH	SY	0.25	2000	39,690	39,690 SY	YES	4,761.00	\$654.64	\$654.64
35. HOT MIX ASPHALT 9.5M64 SURFACE COURSE	TON	2.5	200	7,012	7,012 TON	YES	0.00	\$0.00	\$0.00
36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	2.5	200	4,600	4,600 TON	YES	1,272.27	\$1,749.37	\$1,749.37
SUBTOTAL:									\$2,607.54

Work Item	Fuel Usage Factor per NJDOT 160.03.01			Bid Quantity	Equivalent Quantity	Eligible for Adjustment?	Month of Installation: September-2021		
	Per Unit	Gal	Min Qty for 500 GAL				Index: \$3.26	Eligible for Adjustment? YES	Quantity This Month
21. EXCAVATION UNCLASSIFIED	CY	0.5	1000	6,279	6,279 CY	YES	0.00	\$0.00	\$0.00
29. DENSE-GRADED AGGRAGATE BASE COURSE 6" THICK	CY	1	500	2,209	2,209 CY	YES	0.00	\$0.00	\$0.00
30. HMA MILLING 3" AND VARIABLE DEPTH	SY	0.25	2000	39,690	39,690 SY	YES	755.00	\$101.93	\$101.93
35. HOT MIX ASPHALT 9.5M64 SURFACE COURSE	TON	2.5	200	7,012	7,012 TON	YES	262.02	\$353.73	\$353.73
36. HOT MIX ASPHALT 19M64 BASE COURSE	TON	2.5	200	4,600	4,600 TON	YES	90.87	\$122.67	\$122.67
SUBTOTAL:									\$578.33

Total To Date =	(\$7,520.60)
%-base To Date =	-21.48742%
Use =	-0.2148742
Adjustment = \$	(7,520.60)

PROJECT NO.: PNO-00651.02
 PROJECT NAME: 2020 Road Improvement Program
 CONTRACTOR: P&A Construction, Inc.

Item No.7 - Police Traffic Directors

Contract Amount: \$ 160,000.00

Date	Quantity (Hours)	Rate	Amount	Invoice #	
7/21/2020	32	\$82.05	\$2,625.62	2020147	PAY ESTIMATE NO. 1
7/28/2020	71	\$82.05	\$5,825.58	2020167	
8/5/2020	87.5	\$82.05	\$7,179.39	2020180	
8/12/2020	69	\$82.05	\$5,661.48	2020188	
8/27/2020	102	\$82.05	\$8,369.14	2020207	PAY EST. NO. 2
8/31/2020	124	\$82.05	\$10,174.24	2020221	
9/8/2020	85	\$82.05	\$6,974.30	2020231	PAY ESTIMATE NO. 3
9/11/2020	8	\$102.66	\$821.28	Milltown PD	
9/16/2020	17	\$82.05	\$1,394.86	2020237	
9/21/2020	38	\$82.05	\$3,117.92	2020243	
9/22/2020	8.5	\$82.05	\$697.43	2020-112 MCSO	
9/28/2020	106.5	\$82.05	\$8,738.36	2020254	
8/18/2020	113	\$82.05	\$9,312.71	2020198	PAY ESTIMATE NO. 4
10/5/2020	88.5	\$82.05	\$7,261.46	2020263	
10/5/2020	47.5	\$82.05	\$3,897.39	2020264	
10/12/2020	86	\$82.05	\$7,056.34	2020274	
10/12/2020	43.5	\$82.05	\$3,569.20	2020275	
10/19/2020	69	\$82.05	\$5,661.46	2020288	
10/19/2020	21.5	\$82.05	\$1,764.08	2020289	
10/26/2020	89	\$82.05	\$7,302.48	2020298	
10/26/2020	17	\$82.05	\$1,394.86	2020299	
11/2/2020	68	\$82.05	\$5,579.42	2020312	
11/9/2020	69	\$82.05	\$5,661.48	2020322	PAY EST. NO. 5
11/23/2020	68	\$82.05	\$5,579.44	2020347	PAY EST. NO. 6
11/30/2020	49	\$82.05	\$4,020.46	2020358	
12/7/2020	76	\$82.05	\$6,235.84	2020368	
12/16/2020	17	\$82.05	\$1,394.86	2020381	
12/16/2020	87	\$82.05	\$7,138.38	2020382	
11/16/2020	24	\$82.05	\$1,969.20	2020334	PAY EST. NO. 7
12/22/2020	39	\$82.05	\$3,199.96	2020398	
20/20/21	10.5	\$82.05	\$861.53	2021035	
4/12/2021	21	\$82.05	\$1,723.06	2021105	PAY EST. NO. 8
4/26/2021	5	\$82.05	\$410.25	2021122	
5/3/2021	7	\$82.05	\$574.35	2021128	PAY EST. NO. 9
6/28/2021	20.5	\$82.05	\$1,682.03	2021201	
7/5/2021	42.5	\$82.05	\$3,487.15	2021212	
7/13/2021	29.5	\$82.05	\$2,420.49	2021222	PAY EST. NO. 10
7/21/2021	18	\$82.05	\$1,476.91	2021234	
8/4/2021	44	\$82.05	\$3,610.22	2021257	
8/9/2021	9	\$82.05	\$738.45	2021271	

PROJECT NO.: PNO-00651.02
 PROJECT NAME: 2020 Road Improvement Program
 CONTRACTOR: P&A Construction, Inc.

Item No.7 - Police Traffic Directors

Contract Amount: \$ 160,000.00

Date	Quantity (Hours)	Rate	Amount	Invoice #	PAY EST. NO. 11
8/24/2021	25	\$82.05	\$2,051.26	2021291	
9/22/2021	10	\$82.05	\$820.50	2021346	
10/3/2021	22	\$82.05	\$1,805.11	2021377	
TOTAL TO DATE:			\$171,239.93	1.07024956	

NEW JERSEY DEPARTMENT OF TRANSPORTATION
DIVISION OF LOCAL AID AND ECONOMIC DEVELOPMENT
CHANGE ORDER NUMBER - 01 FINAL
STATE AID PROJECT

January 6, 2022

Project	2020 Road Improvement Program - Raider Road - Municipal Aid 2019
Municipality	Township of North Brunswick
County	Middlesex County
Contractor	P&A Construction, Inc.

In accordance with the project Supplementary Specification, the following are changes in the contract.
Location and Reason for Change (Attach additional sheets if required)

Changes in estimated quantities and supplemental work as required to satisfactorily complete the construction of the project.

<u>Item No.</u>	<u>Description</u>	<u>Quantity (+/-)</u>	<u>Unit Price</u>	<u>Amount</u>
7	Traffic director, Municipal Police Allowance (\$160,000.00)	0.07	\$ 160,000.00	\$ 11,239.93
9	Portable variable message sign	(3.00)	\$ 0.01	\$ (0.03)
11	Asphalt price adjustment (\$70,000.00)	(1.62)	\$ 70,000.00	\$ (113,267.76)
14	Remove existing curb or rolled curb and gutter	(241.00)	\$ 2.00	\$ (482.00)
16	Remove and dispose of existing storm sewer structures (salvage castings)	(1.00)	\$ 150.00	\$ (150.00)
17	Remove and dispose of existing storm sewer pipes	144.00	\$ 10.00	\$ 1,440.00
20	Removal of pavement up to 14" deep	(581.00)	\$ 0.01	\$ (5.81)
21	Excavation, unclassified	(3174.68)	\$ 0.01	\$ (31.75)
22	Remove and replace roadway base	(10128.00)	\$ 0.01	\$ (101.28)
23	Driveway excavation, unclassified	(197.26)	\$ 0.01	\$ (1.97)
24	Excavation, unclassified, test pit	(400.20)	\$ 0.01	\$ (4.00)
25	Soil aggregate, type G	(187.00)	\$ 0.01	\$ (1.87)
26	Disposing of contaminated (Hazardous) soil (Allowance: \$50,000.00)	(1.00)	\$ 50,000.00	\$ (50,000.00)
27	2" to 2-1/2" clean stone subbase (Minimum unit price bid \$10.00/CY)	(1725.00)	\$ 10.00	\$ (17,250.00)
28	Geotextile roadway stabilization	(5536.00)	\$ 0.01	\$ (55.36)
29	Dense graded aggregate base course (Minimum unit price bid \$10.00/CY)	(52.00)	\$ 10.00	\$ (520.00)
30	HMA milling, 3" or less	1323.30	\$ 3.50	\$ 4,631.55
31	Polymerized joint adhesive	(49561.00)	\$ 0.01	\$ (495.61)
32	Prepare and seal existing transverse cracks in asphalt pavement with pavement repair ego	198.00	\$ 0.01	\$ 1.98
33	Tack Coat	(4963.00)	\$ 0.01	\$ (49.63)
34	Prime Coat	(6496.00)	\$ 0.01	\$ (64.96)
35	Hot mix asphalt 9.5M64 surface and leveler course	146.80	\$ 83.50	\$ 12,257.80
38	6" dia. smooth wall interior, corrugated, perforated polyethylene tubing (PPT) underdrains with	(3408.00)	\$ 25.00	\$ (85,200.00)
42	4" dia. Perforated polyethylene tubing (PPT) pipe bedding drains	(11.00)	\$ 0.01	\$ (0.11)
43	15" dia. reinforced concrete pipe (RCP), Class V storm sewer with flexible watertight gaskets,	(216.00)	\$ 150.00	\$ (32,400.00)
44	18" dia. reinforced concrete pipe (RCP), Class V storm sewer with flexible watertight gaskets,	(39.00)	\$ 150.00	\$ (5,850.00)
45	24" dia. reinforced concrete pipe (RCP), Class V storm sewer with flexible watertight gaskets,	60.00	\$ 150.00	\$ 9,000.00
46	19" x 30" elliptical reinforced concrete pipe (ERCP), Class V storm sewer with flexible	(6.00)	\$ 200.00	\$ (1,200.00)
47	Dense graded aggregate for pipe trench	(1468.09)	\$ 0.01	\$ (14.68)
51	Inlet type B, 8" head	1.00	\$ 2,675.00	\$ 2,675.00
53	Inlet type D, 8" head	(1.00)	\$ 2,400.00	\$ (2,400.00)
55	Handhole with casting (Minimum unit price bid \$200.00/UN)	(12.00)	\$ 200.00	\$ (2,400.00)
56	Reset existing casting	(27.00)	\$ 350.00	\$ (9,450.00)
61	Bicycle safe grate	(5.00)	\$ 210.00	\$ (1,050.00)
62	Curb piece type N-ECO	(1.00)	\$ 210.00	\$ (210.00)
63	Hot mix asphalt sidewalks, 6" thick	(16.56)	\$ 70.00	\$ (1,159.20)
64	Concrete sidewalks, 4" thick	3223.50	\$ 6.75	\$ 21,758.63
65	Concrete driveways, reinforced, 6" thick	(969.50)	\$ 8.50	\$ (8,240.75)
66	Concrete driveways, reinforced, 10" thick, commercial	(49.00)	\$ 13.75	\$ (673.75)
67	Hot mix asphalt driveway, 2" thick	(62.95)	\$ 35.00	\$ (2,203.25)
68	Hot mix asphalt driveway, 6" thick, commercial	37.00	\$ 65.00	\$ 2,405.00
69	Aggregate driveway, 4" thick	6.88	\$ 10.00	\$ 68.80
70	Driveway restoration, pavers	(187.00)	\$ 15.00	\$ (2,805.00)
71	Detectable warning surface	(10.41)	\$ 90.00	\$ (936.90)
72	8" x 16" concrete vertical curb	(62.00)	\$ 23.00	\$ (1,426.00)
73	8" x 18" concrete vertical curb	727.00	\$ 23.00	\$ 16,721.00
74	Reset granite block curb	(101.00)	\$ 35.00	\$ (3,535.00)
75	Granite block curb	(101.00)	\$ 30.00	\$ (3,030.00)
76	Traffic stripes, long-life, "thermoplastic", 4" wide, with glass beads	(3779.00)	\$ 0.60	\$ (2,267.40)
77	Traffic stripes, long-life, "thermoplastic", 6" wide, with glass beads	(231.00)	\$ 1.00	\$ (231.00)
78	Traffic stripes, long-life, "thermoplastic", 8" wide, with glass beads	(19.00)	\$ 1.25	\$ (23.75)
79	Traffic stripes, long-life, "thermoplastic", 24" wide, with glass beads	(168.00)	\$ 3.75	\$ (630.00)
80	Traffic markings, "thermoplastic"	(1928.00)	\$ 6.50	\$ (12,532.00)
81	Paint concrete curbing	(226.00)	\$ 1.25	\$ (282.50)
82	Signs	(20.75)	\$ 40.00	\$ (830.00)
83	Roadway trench repair	(4.00)	\$ 44.00	\$ (176.00)
84	Temporary trench repair	(3530.00)	\$ 0.01	\$ (35.30)
85	Impervious trench stops	(8.00)	\$ 0.01	\$ (0.08)
86	Remove existing water distribution piping from municipal roadway	(2263.00)	\$ 0.01	\$ (22.63)
87	Furnish and install 6" dia. cement lined DIP Class 52 water main along municipal roadway	(24.00)	\$ 125.00	\$ (3,000.00)
88	Furnish and install 8" dia. cement lined DIP Class 52 water main along municipal roadway	(33.00)	\$ 90.00	\$ (2,970.00)
89	Furnish and install 12" dia. cement lined DIP Class 52 water main along municipal roadway	(361.00)	\$ 130.00	\$ (46,930.00)
90	Furnish and install 4" dia. cement lined DIP Class 52 water main along municipal roadway	(12.00)	\$ 250.00	\$ (3,000.00)

NEW JERSEY DEPARTMENT OF TRANSPORTATION
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January 6, 2022

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Municipality	Township of North Brunswick
County	Middlesex County
Contractor	P&A Construction, Inc.

91	Furnish and install 8" dia. cement lined DIP Class 52 water main along municipal roadway	(91.00)	\$	112.00	\$	(10,192.00)
92	Furnish and install 1" water service corporation stop, curb boxes, curb stop, adapters, fittings.	(4.00)	\$	1,925.00	\$	(7,700.00)
93	Furnish and install 1" K copper pipe water service and connection using open cut method to	(226.50)	\$	0.01	\$	(2.27)
94	Furnish and install fire hydrant assembly along municipal roadway	(1.00)	\$	6,600.00	\$	(6,600.00)
97	Furnish and install 8" buried M.J. gate valve and valve box within a proposed water main	2.00	\$	1,300.00	\$	2,600.00
98	Furnish and install 12" buried M.J. gate valve and valve box within a proposed water main	(6.00)	\$	2,500.00	\$	(15,000.00)
99	Furnish and install water main utility crossings in accordance with the details	(5.00)	\$	0.01	\$	(0.05)
100	Furnish and install inline connection between proposed and existing water mains	(2.00)	\$	2,500.00	\$	(5,000.00)
101	Reset water valve box to grade	(3.00)	\$	25.00	\$	(75.00)
102	8" PVC SDR-35 gravity sanitary sewer, 0' to 6' deep	(1.00)	\$	0.01	\$	(0.01)
103	8" PVC SDR-35 gravity sanitary sewer, 6' to 8' deep	(1.00)	\$	0.01	\$	(0.01)
104	8" PVC SDR-35 gravity sanitary sewer, 8' to 10' deep	(1.00)	\$	0.01	\$	(0.01)
105	12" PVC SDR-35 gravity sanitary sewer, 0' to 6' deep	(20.00)	\$	90.00	\$	(1,800.00)
106	12" PVC SDR-35 gravity sanitary sewer, 6' to 8' deep	(27.00)	\$	95.00	\$	(2,565.00)
107	12" PVC SDR-35 gravity sanitary sewer, 8' to 10' deep	(8.00)	\$	100.00	\$	(800.00)
111	12"x4" PVC SDR-35 wye	(2.00)	\$	2,776.00	\$	(5,550.00)
112	4" dia. PVC SDR-35 cleanouts, including concrete marker, brass cap, PVC SDR-35 pipe, wye	(2.00)	\$	0.01	\$	(0.02)
113	4" PVC SDR-35 sanitary sewer lateral including 45° bend, excavation, backfill, NJDOT type	(75.00)	\$	0.01	\$	(0.75)
114	4" PVC SDR-35 sloped sanitary sewer riser connection	(44.00)	\$	0.01	\$	(0.44)
115	Connect to existing sanitary sewer main including transition coupling and concrete	(1.00)	\$	0.01	\$	(0.01)
116	Furnish and install temporary by-pass potable water distribution piping on Chrome Street	(1.00)	\$	0.01	\$	(0.01)
117	Furnish and install temporary by-pass potable water distribution piping on Roosevelt Avenue	(1.00)	\$	0.01	\$	(0.01)
118	Raise and adjust sanitary sewer cleanout	(11.00)	\$	0.01	\$	(0.11)
119	Relocate existing sanitary sewer lateral	(11.00)	\$	0.01	\$	(0.11)
120	Relocate existing sanitary sewer cleanout	(11.00)	\$	0.01	\$	(0.11)
121	CLSM (Controlled low strength material)	(24.00)	\$	0.01	\$	(0.24)
122	Miscellaneous concrete.	(20.00)	\$	0.01	\$	(0.20)
124	Remove additional trees over 4" up to and including 8" caliper	(4.00)	\$	0.01	\$	(0.04)
125	Remove additional trees over 8" up to and including 12" caliper	(4.00)	\$	0.01	\$	(0.04)
126	Remove additional trees over 12" up to and including 16" caliper	(4.00)	\$	0.01	\$	(0.04)
127	Remove additional trees over 16" caliper	(3.00)	\$	0.01	\$	(0.03)
128	Selective root pruning over 4" up to and including 8" caliper	(10.00)	\$	0.01	\$	(0.10)
129	Root barrier	(175.00)	\$	10.00	\$	(1,750.00)
130	Shredded hardwood bark mulching	(8.00)	\$	6.50	\$	(52.00)
131	Topsoiling, 4" thick	(431.87)	\$	4.75	\$	(2,051.38)
132	Fertilizing	(431.87)	\$	0.35	\$	(151.15)
133	Sodding	(863.98)	\$	7.50	\$	(6,479.85)
134	Replacement trees	(4.00)	\$	410.00	\$	(1,640.00)
135	Replacement shrubs	13.00	\$	130.00	\$	1,680.00
SUP- 1	Supplementary work performed at the municipal complex parking lot for the installation of	1.00	\$	3,889.56	\$	3,889.56
SUP- 2	Supplementary work performed at the municipal complex parking lot islands for the removal	1.00	\$	7,862.62	\$	7,862.62
SUP-3	Supplementary work performed for the lawn preparation and installation of sod at 1329	1.00	\$	2,336.38	\$	2,336.38

Amount of Original Contract \$ 4,316,128.87

Extra \$ 108,823.82

Supplemental \$ 14,088.56

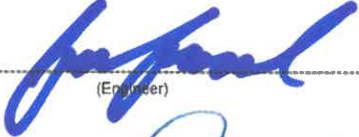


Adjusted Amount per Change Order 1 \$ 3,899,381.59

Reduction \$ (536,659.56)

Total Change \$ (416,747.28)

[(+) Increase or (-) Decrease] -9.56 %

Approved:


 (Engineer) 1/7/22
 (Date)

 (Presiding Officer) 1/7/22
 (Date)

 (Contractor) 1/7/22
 (Date)

 (District Manager)
 (Bureau of Local Aid)

 (Date)

(Submit four(4) copies to the Local Highway Design District Office)