A RESOLUTION OF THE TOWNSHIP OF NORTH BRUNSWICK AUTHORIZING AWARD OF CONTRACT BID24005 TO P&A CONSTRUCTION FOR THE 2024 ROAD IMPROVEMENT PROGRAM

WHEREAS, the Department of Community Development is responsible for construction and improvements of various municipal streets, roads and curbing; and

WHEREAS, Michael C. Hritz, the Director for the Department of Community Development, along with the Mayor and Council reviewed the pavement management plan and determined it necessary to continue with the 2024 road schedule as part of the Road Program initiated in 2000; and

WHEREAS, road segments include:

- 1. Wheeler Road
- 2. Cozzens Lane (sidewalk)
- 3. Princess and Earl Court
- 4. Hidden Lake Drive
- 5. Poplar Avenue

WHEREAS, the project will be funded from existing NJDOT Grant funding in addition to General and Water Capital Ordinances; and

WHEREAS, on April 29, 2024, the Township Council approved Resolution 123-4.24 authorizing advertisement for receipt of bids for the 2024 Road Improvement Program, BID24005; and

WHEREAS, on May 21, 2024, the Municipal Clerk witnessed the receipt of three bids and the lowest qualifying bid was submitted by P&A Construction of Colonia, New Jersey with a base bid of \$3,999,135.00 for Items A-1 through A-81 and B-82 through B-169 inclusive, and deletion bid of \$272,526.79 for B-83 through B-169 (Poplar Avenue); and

WHEREAS, CME Associates, Engineers for this project, the Purchasing Agent and Legal Counsel have reviewed the qualifications and bid submitted by P&A Construction and determined them responsive under the provisions of the Local Public Contracts Law (<u>N.J.S.A</u>. 40A:11-1 et seq.) and all other provisions of the revised statutes of the State of New Jersey.

NOW THEREFORE, BE IT RESOLVED, that the bid submitted by P&A Construction is hereby accepted.

BE IT FURTHER RESOLVED, Township Council of the Township of North Brunswick does hereby authorize the Mayor to execute and Township Clerk to witness an agreement with P&A Construction for the 2024 Road Improvement Program, Contract BID24005, in the amount of \$3,999,135.00 for Items A-1 through A-81 and B-82 through B-169 inclusive, and deletion bid of \$272,526.79 for B-83 through B-169 (Poplar Avenue), subject to approvals by the New Jersey Department of Transportation.

CERTIFICATION

I, Cavel Gallimore, Chief Financial Officer of the Township of North Brunswick, certify that funds in the following accounts totaling \$3,999,135.00 are available under Contract BID24005:

\$ 62,676.56 are available in Capital Ordinance 19-23 account C-04-55-C20-190-201,

\$ 300,596.05 are available in Capital Ordinance 20-17 account C-04-55-C20-210-201,

\$ 150,543.21 are available in Capital Ordinance 22-08 account C-04-55-C22-220-101,

\$1,283,929.82 are available in Capital Ordinance 22-24 account C-04-55-C22-231-201,

\$ 587,572.07 are available in Capital Ordinance 23-16 account C-04-55-C23-233-201,

\$1,000,000.00 are available in Water Capital Ordinance account C-06-55-C20-201-101,

\$ 56,312.29 are available in Water Capital Ordinance account C-06-55-C21-211-101, and

\$ 557,505.00 are available in NJDOT Wheeler Road Grant account G-02-24-195-730-000.

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
МЕНТА				
GUADAGNINO				
ANDREWS				
DAVIS				
SOCIO				
HUTCHINSON				
MAYOR WOMACK				

I hereby certify that the above Resolution was duly adopted by the Township Council of North Brunswick at a meeting duly held on May 28, 2024.

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. VALESI, PE, PP, CME



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 CHIARAVALLO, PE, CME

May 23, 2024

Mr. Michael Hritz Director of Community Development Township of North Brunswick 710 Hermann Road North Brunswick, NJ 08902

Re: 2024 Road Improvement Program Contract No. 24-005 Township of North Brunswick Our File No.: PNO00659.02

Dear Mr. Hritz,

On May 21, 2024 three (3) bids were received for the 2024 Road Improvements Program as indicated on the attached summary of bids.

The apparent low bid was submitted by P&A Construction, Inc. of Colonia, New Jersey with a base bid of \$3,999,135.00 for items A-1 through B-169 inclusive, which is \$210,865.00 under the price bid by the second lowest bidder. The second lowest bid was submitted by Lucas Brothers, Inc. of Morganville, New Jersey with a base bid of \$4,210,000.00 for items A-1 through B-169 inclusive.

There were no math errors noted in the apparent low bid submitted by P&A Construction, Inc.; however, it should be noted that they included penny bids for sixty-two (62) of the one hundred sixty-nine (169) bid items.

It is our understanding that the apparent low bid is within the available funding for the Project. Accordingly, we recommend award of the Project to P&A Construction, Inc. for items A-1 through B-169 inclusive in the amount of \$3,999,135.00, subject to certification of funds by the Township's Chief Financial Officer, review and approval by the Township Attorney including verification that the bonding and surety company is licensed to do business in the State of New Jersey and appears in the current list of "Surety Companies Acceptable on Federal Bonds", by the U.S. Treasury Department, verification that the Contractor has sealed the bid with their corporate seal where appropriate, NJDOT Approval and the submission of the required performance bonds and insurance certificates for the Project.

Any award of the project should be further subject to the Contractor, P&A Construction, Inc., submitting a certification indicating that the work required under item nos. A-2, A-3, A-4, A-5, A-7, A-8, A-12, A-13, A-18, A-19, A-20, A-22, A-25, A-26, A-27, A-30, A-35, A-55, A-56, A-57, A-59, A-63, A-66, A-71, A-73, A-74, A-75, A-76, A-81, B-83, B84, B-85, B-86, B-88, B-89, B-90, B-94, B-95, B-96, B-97, B-100, B-101, B-102, B-103, B-104, B-106, B-110, B-111, B-112, B-113, B-120, B-144, B-145, B-146, B-153, B-157, B-160, B-162, B-163, B-164, B-165, and B-169 will be provided at the prices bid, if and where ordered by the Township.



Mr. Michael Hritz Township of North Brunswick Re: 2024 Road Improvement Program

May 23, 2024 Our File No. PNO00659.02 Page 2

The original bid packages submitted by the three (3) bidders were provided to the Township Attorney for his review.

Finally, please note that the Resolution of Award for the Project must indicate that the award is subject to NJDOT approval and two (2) sealed copies of the resolution with original signatures should be provided to our office in order that we may forward same to the State.

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

Very truly yours, ociates CME As ouis J. Ploskonka, PE Township Engineer's Office

LP/GO/pb/jc Enclosures

cc: Mayor & Township Council Ronald Gordon, Esq. Justine Progebin, Business Administrator Lisa Russo, Township Clerk

RECEIPT OF BIDS

May 21, 2024

Results from the receipt of Requests for Proposals on Tuesday, May 21, 2024 at 11:00 a.m., Municipal Complex, 710 Hermann Road, North Brunswick, N.J.

Present: Samantha Sickles, Purchasing Assistant Joe Conroy, CME Gary Oliva, CME Michael Hritz, Director Department of Community Development Nellie Sowell, Clerk 3

Advertised in the Home News & Tribune as according to law.

11:00 a.m. receipt of bids is closed.

The following receipt of bids were received:

BID24005-2024 Road Improvement Project

Black Rock 1316 Englishtown Road Old Bridge, NJ 08857	Base BID Deletion	\$4,578,828.96 \$362,630.71
Lucas Brothers 80 Amboy Avenue Morganville, NJ 07751	Base BID Deletion	\$4,210.000.00 \$325,702.70
P & A Construction		
PO Box 28	Base BID	\$3,999,135.00
Colonia, NJ 07067	Deletion	\$272,526.79

A report will be presented to the Township Council for possible awards at the next Township Council Meeting.

Lisa Russo Municipal Clerk

	SUMMARY OF A BY THE GOVERNING BODY FOR THE 2024 RO NAME: P&A CONSTRUCTION, INC					LUCAS	BROTHERS, INC		ASSOCIAT PARLIN, NEW JER			
		NAME: ADDRESS: CITY / STATE: BID GUARANTEE: SURETY: ITEM DESCRIPTION			P & A CONSTRUCTION, INC P.O. BOX 28 COLONIA, NJ 07067 YES 10% NTE \$20,000.00 UNIT PRICE AMOUNT		LUCAS BROTHERS, INC 80 AMBOY ROAD MORGANVILLE, NJ 07751 YES 10% NTE \$20,000.00 UNIT PRICE AMOUNT		ENGLISHTOWN RD BRIDGE, NJ 08857 YES 6 NTE \$20,000.00 AMOUNT UNIT P	RICE AMOUNT		
	A-1 A-2 A-3 A-4	WHEELER ROAD (A-1 through A-81) Mobilization Breakmwy barricade Drum Traffic cone	LUMP SUM 18 UN 27 UN 200 UN	\$300,000.00 \$0.01 \$0.01 \$0.01	\$300,000.0 \$0. \$0. \$2.	18 \$1.0 27 \$1.0	\$18.0 \$27.0	00 \$1.00 00 \$1.00) \$18.00) \$27.00			
	A-5 A-6 A-7 A-8 A-9	Construction signs Traffic director, Municipal Police Allowance (\$160,000,00) Plashing arrow board, 4x97 Traffic control truck with mounted crash cushion Asphalt price adjustment (\$10,000,00) Fuel price adjustment (\$10,000,00)	300 SF ALLOWANCE 1 UN 1 UN DOLLARS	\$0.01 \$100,000.00 \$0.01 \$0.01 \$10,000.00	\$3. \$100,000. \$0. \$0. \$10,000. \$10,000.	00 \$100,000.00 01 \$500.00 01 \$2,500.00 00 \$10,000.00	\$100,000.0 \$500.0 \$2,500.0 \$10,000.0	00 \$100,000.00 00 \$1.00 00 \$1.00 00 \$1.00 00 \$1.00	\$100,000.00 \$1.00 \$1.00 \$10,000.00			
	A-10 A-11 A-12 A-13 A-14 A-15	nee prive appendix (v rocodo) Allovance (or work not specified (525,000,00) Remove existing out or rolled outb & gutter Remove advising walks Remove & reset existing brick walkpavens Remove existing fire hydrant, run out & valve along municipal roadway, salvage hydrant to owner	DOLLARS ALLOWANCE 3,423 LF 11,038 SF 13 SF 3 UN	\$10,000.00 \$25,000.00 \$0.01 \$0.01 \$15.00 \$1,000.00	\$10,000.(\$25,000.(\$34,2 \$110.3 \$195.(\$3,000.(00 \$25,000.01 23 \$1.00 38 \$1.00 00 \$1.00	\$25,000.0 \$3,423.0 \$11,038.0 \$13.0	00 \$25,000.00 00 \$3.00 00 \$2.00 00 \$2.00 00 \$2.00	\$25,000.00 \$10,269.00 \$22,076.00 \$325.00			
	A-16 A-17 A-18 A-19 A-20	Remove & dispose of existing storm sever pipes Clearing site (L.S. 515,000.00) Excension, unclassified Driveway excension, unclassified Excension, unclassified, test pit	165 LF LUMP SUM 3,133 CY 184 CY 66 CY	\$50.00 \$15,000.00 \$0.01 \$0.01 \$0.01	\$8,250.0 \$15,000.0 \$31.3 \$1.6 \$31.3 \$1.6 \$0.6	00 \$1.00 00 \$15,000.00 33 \$14.00 34 \$0.0	\$165.0 \$15,000.0 \$43,862.0 \$1.8	00 \$29.00 00 \$15,000.00 00 \$1.00 34 \$1.00	\$4,785.00 \$15,000.00 \$3,133.00 \$184.00			
	A-21 A-22 A-23 A-24 A-25 A-26	2" to 2-12" clean stone subbase (Minimum unit price bid \$10.00/CY) Geotestie roadway stabilizatien Dense graded aggregate base course (Minimum unit price bid \$10.00/CY) HMA milling, 3" or lies Palymeticed joint achesive Takir Coat	741 CY 2,222 SY 974 CY 640 SY 10,751 LF 963 GAL	\$10.00 \$0.01 \$10.00 \$3.00 \$0.01 \$0.01	\$7,410.0 \$22.2 \$9,740.0 \$1,920.0 \$107.5 \$107.5 \$9.6	22 \$0.0" 100 \$10.00 100 \$10.00 \$10.00 \$11 \$0.0"	\$22.2 \$9,740.0 \$6,400.0 \$107.5	22 \$1.00 00 \$10.00 00 \$25.00 51 \$0.01	\$2,222.00 \$9,740.00 \$16,000.00 \$107.51			
	A-28 A-27 A-28 A-29 A-30 A-31	Prime Coat Prime Coat Prome Coat	963 GAL 2,907 GAL 759 TON 2,051 TON 2,024 CY 2,945 LF	\$0.01 \$0.01 \$90.00 \$90.00 \$0.01 \$25.00	\$29.0 \$68,310.0 \$184,590.0 \$20.2	17 \$0.0' 100 \$103.00 100 \$103.00 100 \$103.00 14 \$0.0'	\$29.0 \$78,177.0 \$211,253.0 \$20.2	07 \$0.01 00 \$98.00 00 \$95.00 24 \$0.01	\$29.07 \$74,382.00 \$194,845.00 \$20.24			
	A-32 A-33 A-34 A-35 A-36 A-37	Connect leader or arung drain to proposed of dia, PPT underdrain 16° dia, reinformed concrete pipe (RCP), Class V atorm sever with flexible watertight gastetis 2° dia, reinforced concrete pipe (RCP), Class V atorm sever with flexible watertight gastetis 3° dia, reinforced concrete pipe (RCP), Class V atorm sever with flexible watertight gastetis 1° X 30° elliptical reinforced concrete pipe (RCP), Class V atorm sever with flexible watertigg paskets 2° X 4°° elliptical reinforced concrete pipe (RCP), Class IV atorm sever with flexible watertigg paskets	24 UN 293 LF 51 LF 165 LF 27 LF 116 LF	\$225.00 \$125.00 \$170.00 \$0.01 \$175.00 \$285.00	\$5,400.0 \$36,625.0 \$8,670.0 \$1.6 \$4,725.0 \$33,060.0	0 \$110.00 0 \$125.00 5 \$130.00 0 \$160.00	\$32,230.0 \$6,375.0 \$21,450.0 \$4,320.0	00 \$150.00 00 \$200.00 00 \$255.00 00 \$225.00	\$42,075.00 \$6,075.00			
	A-38 A-39 A-40 A-41 A-42	Wederligfung asskels Manhole, 4' equate, storm sever Inlet type B, 0'' heed Inlet type B2, 0'' head Reconstruct manhole Reconstruct manhole	1 UN 1 UN 2 UN 9 UN 3 UN	\$15,000.00 \$15,000.00 \$20,000.00 \$1,700.00 \$1,250.00	\$15,000.0 \$15,000.0 \$40,000.0 \$15,300.0 \$15,300.0 \$3,750.0	0 \$5,300.00 0 \$5,300.00 0 \$7,800.00 0 \$2,200.00	\$5,300.0 \$5,300.0 \$15,600.0 \$19,800.0	00 \$8,000.00 00 \$8,000.00 00 \$12,500.00 00 \$3,000.00	\$8,000.00 \$8,000.00 \$25,000.00 \$27,000.00			
	A-43 A-44 A-45 A-46 A-47 A-48	Handheide with casting (Minimum unit price bid \$200.00/UN) Reset existing casting Concrete didewails, 4" thick Concrete dineways, reinforced, 6" thick Hornk september dimension, pavers Driveway reinforcing, pavers	11 UN 14 UN 11,038 SF 4,161 SF 110 SY 753 SF	\$5,500.00 \$425.00 \$8.50 \$10.75 \$40.00 \$15.00	\$60,500.0 \$5,950.0 \$93,823.0 \$44,730.7 \$4,400.0 \$11,295.0	0 \$150.00 0 \$9.20 5 \$11.00 0 \$65.00	\$38,500.0 \$2,100.0 \$101,549.6 \$45,771.0 \$7,150.0 \$12,801.0	00 \$1.00 50 \$10.00 50 \$11.50 50 \$45.00	\$14.00 \$110,380.00 \$47,851.50 \$4,950.00			
	A-49 A-50 A-51 A-52 A-53	Detectable warning surface 6"x 16" concrete vertical curb Reset granite block curb Traffic stripes, long-life, "thermoplastic", 4" wide, with glass beads Traffic stripes, long-life, "thermoplastic", 24" wide, with glass beads	9 SY 3,423 LF 18 LF 110 LF 26 LF	\$10.00 \$100.00 \$30.00 \$5.00 \$5.00 \$25.00	\$900.0 \$102,690.0 \$90.0 \$90.0 \$550.0 \$650.0	0 \$450.00 0 \$38.00 0 \$38.00 0 \$38.00 0 \$4.00	\$4,050.0 \$4,050.0 \$130,074.0 \$684.0 \$440.0 \$624.0	00 \$500.00 00 \$38.00 00 \$38.00 00 \$38.00	\$4,500.00 \$130,074.00 \$684.00 \$423.50			
	A-54 A-55 A-56 A-57 A-58 A-59	Regulatory & Warning Signs Roadway trench repair Temporary trench repair Remove existing water distribution piping from municipal roadway Abandon existing water main distribution piping & fill with grout Furn. & Inst. 6° dia. cement lined DIP Class 52 water main along municipal roadway	16 SF 110 SY 1,498 SY 1,654 LF 46 LF	\$50.00 \$0.01 \$0.01 \$0.01 \$12.50	\$800.0 \$1.1 \$14.9 \$16.5 \$575.0	0 \$0.01 8 \$0.01 4 \$0.01 0 \$1.00	\$16.5 \$46.0	0 \$100.00 8 \$0.01 4 \$0.01 0 \$0.01	\$11,000.00 \$14.98 \$16.54 \$0.46			
	A-60 A-61 A-62 A-63 A-64	Pon. & Inst. 8" dia. cement fired DIP Class 52 water main along municipal roadway Fern & Inst. 8" dia. cement lixed DIP Class 52 water main along municipal roadway with J. Uppe Joints. Pun. & Inst. 1" Vision service Funn. & Inst. 1" Y cooper pipe water service & connection using open cut method to opposed water main. Pun. & Inst. fire hydrart assembly along municipal roadway	22 LF 1,772 LF 22 LF 22 UN 374 LF 5 UN	\$0.01 \$85.00 \$150.00 \$3,250.00 \$0.01 \$20,000.00	\$0.2 \$150,620.0 \$3,300.0 \$71,500.0 \$3.7 \$3.7 \$100,000.0	0 \$108.00 0 \$210.00 0 \$2,300.00 4 \$40.00	\$191,376.0 \$4,620.0 \$50,600.0	0 \$160.00 0 \$170.00 0 \$2,600.00 0 \$40.00	\$283,520.00 \$3,740.00 \$57,200.00 \$14,960.00			
	A-65 A-66 A-67 A-68 A-69	Fun. & Int. 3 ^c Duried M.J. gate valve & wilve box within a proposed water main along minicipal roadway Pun. & Int. 4 ^c Duried Insertion valve & valve box within an existing water main Fun. & Int. Infine connection between proposed & existing water mains Fun. & Int. water main utility crossings in accordance with the details Reset water valve box to grade Fun. & Int. temporary by-pass potable water distribution piping on Wheeler Road	13 UN 3 UN 8 UN 1 UN 4 UN	\$3,500.00 \$0.01 \$12,250.00 \$3,500.00 \$35.00	\$45,500.0 \$0.0 \$98,000.0 \$3,500.0 \$140.0	3 \$0.01 0 \$1,900.00 0 \$3,600.00 0 \$270.00	\$15,200.0 \$3,600.0 \$1,080.0	3 \$15,000.00 0 \$3,500.00 0 \$8,000.00 0 \$200.00	\$45,000.00 \$28,000.00 \$8,000.00 \$800.00			
	A-70 A-71 A-72 A-73 A-74 A-75	Vanis e minis, etatologing of page passion evants desirability page of ventileter robot Microcellaneous concrete, class B Reinforced concrete stops, class B Reinforced additional trees over 4° up to & including 6° caliper Reinove additional trees over 4° up to & including 12° caliper Reinove additional trees over 12° up to & including 10° caliper	LUMP SUM 5 CY 2 CY 1 UN 1 UN 1 UN	\$0.02 \$0.01 \$350.00 \$0.01 \$0.01 \$0.01	\$0.0 \$0.0 \$700.0 \$0.0 \$0.0 \$0.0 \$0.0	5 \$1.00 0 \$1.00 1 \$1.00 1 \$1.00	\$1.0	0 \$1.00 0 \$1.00 0 \$1.00 0 \$1.00	\$5.00 \$2.00 \$1.00 \$1.00			
	A-76 A-77 A-78 A-79 A-80	Remove additional trees over 16°caliper Topsoling, 4' thick Pertitiong Bodding Replacement trees	1 UN 2,324 SY 2,324 SY 2,324 SY 9 UN	\$0.01 \$6.50 \$1.50 \$10.00 \$825.00	\$0.0 \$15,106.0 \$3,486.0 \$23,240.0 \$7,425.0	0 \$6.50 0 \$1.40 0 \$9.00 0 \$1.00	\$3,253.6 \$20,916.0 \$9.0	0 \$1.00 0 \$5.00 0 \$1.00 0 \$9.00 0 \$1.00	\$1.00 \$11,620.00 \$2,324.00 \$20,916.00 \$9.00			
	A-81 B-82 B-83 B-84	Replacement strutzs 2024 ROAD IMPROVEMENT PROGRAM Mobilization Breaksway barricade Drum	5 UN LUMP SUM 10 UN 40 UN	\$0.01 \$300,000.00 \$0.01 \$0.01	\$0.0 \$300,000.0 \$0.1 \$0.4	0 \$320,000.00 0 \$1.00	\$320,000.0 \$10.0	0 \$145,000.00 0 \$1.00	\$145,000.00 \$10.00			
	B-85 B-86 B-87 B-88 B-89	Taffic cone Construction signs Traffic director, Muriopal Police Allowance (\$100,000.00) Flashing arrow board, #10f Portable variable message sign Taffic control truck with mounted creation	300 UN 160 SF ALLOWANCE 1 UN 1 UN	\$0.01 \$0.01 \$100,000.00 \$0.01 \$0.01	\$3.0 \$1.6 \$100,000.0 \$0.0 \$0.0	0 \$1.00 \$25.00 0 \$100,000.00 1 \$500.00	\$300.0 \$4,000.0 \$100,000.0 \$500.0	0 \$1.00 0 \$1.00 0 \$100,000.00 0 \$1.00	\$300.00 \$160.00 \$100,000.00 \$1.00			
	B-90 B-91 B-92 B-93 B-94 B-95	Asphalt price adjustment (530.000.00) Puel price adjustment (515.000.00) Allowance for work not specified (550.000.00) Remove existing a curb or rolled curb & gutter Remove existing a curb or rolled curb & gutter Remove existing a curb or rolled curb & gutter (Poplar Avenue)	1 UN DOLLAR DOLLAR ALLOWANCE 2,520 LF 1,495 LF	\$0.01 \$30,000.00 \$15,000.00 \$50,000.00 \$0.01 \$0.01	\$0.0 \$30,000.0 \$15,000.0 \$50,000.0 \$25,2 \$14.9	0 \$30,000.00 0 \$15,000.00 0 \$50,000.00 0 \$11,000	\$30,000.0 \$15,000.0 \$50,000.0 \$2,520.0	0 \$30,000.00 0 \$15,000.00 0 \$50,000.00 0 \$3.00				
	B-96 B-97 B-98 B-99 B-100	Remove exeiting walks Remove existing walks (Poplar Avenue) Remove existing fire hydrant, run-out 8 valve along municipal nostway, salvage hydrant to owner Clearing alto (L. 8. 545,000.00) Removal of pavement up to 14" deep	4,752 SF 4,749 SF 1 UN LUMP SUM 1,913 SY	\$0.01 \$0.01 \$1,500.00 \$45,000.00 \$0.01	\$47.5 \$47.4 \$1,500.0 \$45,000.0 \$19.1	2 \$1.00 9 \$1.00 0 \$1.00 0 \$45,000.00	\$4,752.0 \$4,749.0 \$1.0	0 \$2.00 0 \$2.00 0 \$2,500.00 0 \$45,000.00	\$9,504.00 \$9,498.00 \$2,500.00 \$45,000.00 \$47,825.00			
	B-101 B-102 B-103 B-104 B-105 B-106	Exeavation, unclassified Remove and replace roadway base Driveway excavation, unclassified Excavation, unclassified, test pit 2° to 2° 1/2° clean store subbase (Minimum unit price bid \$10.00/CY) Geotestile roadway stabilization	635 CY 3,528 SY 331 CY 385 CY 155 CY 1,127 SY	\$0.01 \$0.01 \$0.01 \$0.01 \$10.00 \$0.01	\$6.3 \$35.2 \$3.3 \$3.8 \$1,550.0 \$11.2	3 \$0.01 1 \$0.01 5 \$0.01 0 \$10.00	\$35.2 \$3.3 \$3.8 \$1,550.0	8 \$1.00 1 \$50.00 5 \$1.00 0 \$10.00	\$635.00 \$3,528.00 \$16,550.00 \$385.00 \$1,550.00 \$1,127.00			
	B-107 B-108 B-109 B-110 B-111	Dense graded aggregate base oourse (Minimum unit price bid \$10.00/CY) HMA nitting, 3° or less HMA mitting, 3° or less (Poptar Avenue) Poymeticed joint othesive Prepare & seal existing transverse oracios in asphalt pavement with pavement repair geo composite minimum en	612 CY 19,955 SY 5,910 SY 22,191 LF 2,850 LF	\$10.00 \$3.00 \$3.00 \$0.01 \$0.01	\$,120.0 \$59,865.0 \$17,730.0 \$221.9 \$28.50	0 \$10.00 0 \$4.10 0 \$4.80 1 \$0.01	\$6,120.01 \$81,815.54 \$28,368.00 \$221.9	0 \$10.00 0 \$5.00 0 \$5.00 1 \$0.01	\$6,122,00 \$6,120,00 \$99,775,00 \$29,550,00 \$221,91 \$17,100,00			
	B-114 B-115 B-116	Tack Coat Phrme Coat Phrme Coat Hick asphalt 0.5M64 surface and leveler course Hick mick asphalt 0.5M64 surface and leveler course Hick mick asphalt 0.5M64 surface and leveler course (Popiar Avenue) Hick mick asphalt 0.5M64 base course Of dia. smooth wall interior, compatied, perforated polyethylene tubing (PPT) undertrains with first first, course baciefit for subsurface atoms, becading and baceful	4,037 GAL 1,823 GAL 3,042 TON 938 TON 1,324 TON 92 LF	\$0.01 \$0.01 \$87.00 \$87.00 \$87.00 \$87.00 \$25.00	\$40.3 \$18.2 \$264,654.0 \$81,606.0 \$115,188.0 \$2,300.0	3 \$0.01 5 \$97.00 5 \$97.00 5 \$100.00	\$40.3 \$18.2 \$295,074.0 \$90,986.0 \$132,400.0 \$2,760.0	3 \$0.01 0 \$98.00 0 \$95.00 0 \$95.00	\$40.37 \$18.23 \$298,116.00 \$89,110.00 \$125,780.00 \$3,680.00			
	B-118 B-119 B-120 B-121 B-122	PVC, SEVF-33 Leader drain elementario or reconstruction Connect leader or sump drain to proposed 6° dia. PPT underdmin including fittings, demont & basso song Demse gravestation of the properties of the prop	8 UN 2 UN 2,933 CY 44 LF 134 LF	\$50.00 \$225.00 \$0.01 \$140.00 \$260.00	\$450.00 \$450.00 \$29.33 \$6,160.00 \$34,840.00	0 \$150.00 \$170.00 8 \$0.01 0 \$155.00	\$1,200.00 \$340.00 \$29.32 \$6,820.00 \$36,180.00	0 \$500.00 0 \$500.00 3 \$0.01 0 \$150.00	\$4,000.00 \$4,000.00 \$1,000.00 \$29.33 \$6,600.00 \$49,580.00			
	B-123 B-124 B-125 B-126 B-127 B-128	Reconstruct Inlet, type B, 8 ⁺ head Handhole with casting (Minimum unit price bid \$200.001/B) Reset existing casting Bicycle safe grate Cuth piece type H-ECO Concrete adlewalks, 4 ⁺ thick	12 UN 1 UN 43 UN 2 UN 14 UN 6,428 SF	\$1,700.00 \$1,500.00 \$400.00 \$315.00 \$315.00 \$315.00 \$8.50	\$20,400.00 \$1,500.00 \$17,200.00 \$630.00 \$4,410.00 \$54,638.00	\$4,000.00 \$150.00 \$450.00 \$450.00	\$26,400.00 \$4,000.00 \$6,450.00 \$900.00 \$6,300.00 \$6,2,994.40	0 \$3,000.00 0 \$1.00 0 \$500.00 0 \$500.00	\$3,000.00 \$43.00 \$1,000.00 \$7,000.00	······································	· · · · · · · · · · · · · · · · · · ·	
	B-129 B-130 B-131 B-132 B-133	Concrete aldwalke, 4° thick (Poplar Avenue) Concrete driveway, reinforced, 6° thick Hót mix asphait driveway,2° thick Driveway restoration, pavens Detectable warning aurtace	6,428 SF 4,749 SF 6,689 SF 367 SY 974 SF 24 SY	\$8.50 \$8.50 \$10.75 \$40.00 \$15.00 \$100.00	\$04,058.00 \$40,366.50 \$71,906.74 \$14,680.00 \$14,610.00 \$2,400.00	\$9.80 \$11.00 \$60.00 \$17.00	\$02,994,44 \$46,540.20 \$73,579.00 \$22,020.00 \$16,558.00 \$10,800.00	0 \$10.00 0 \$11.00 0 \$48.00 0 \$25.00	\$64,280.00 \$47,490.00 \$73,579.00 \$17,616.00 \$24,350.00 \$12,000.00			
	B-134 B-135 B-136 B-137 B-138	8" x 16" concrete vartical curb 8" x 10" concrete vartical curb Reset granite block curb Granite block curb Granite block curb (Poplar Avenue) Traffic stripes, long-life, "thermoplastic", 4" wide, with glass beads	424 LF 1,273 LF 119 LF 1,073 LF 1,418 LF	\$30.00 \$30.00 \$5.00 \$38.00 \$38.00	\$12,720.00 \$38,190.00 \$595.00 \$40,774.00 \$53,884.00 \$53,884.00	\$38.00 \$38.00 \$38.00 \$38.00 \$38.00	\$16,112.00 \$48,374.00 \$48,374.00 \$4,522.00 \$40,774.00 \$53,884.00 \$53,884.00	\$38.00 \$38.00 \$40.00 \$40.00	* \$56,680.00 \$56,720.00			
		Traffic striper, long-life, "Thermoplestic", 6" wide, with glass beads Traffic striper, long-life, "thermoplestic", 12" wide, with glass beads Traffic striper, long-life, "thermoplestic", 24" wide, with glass beads Traffic markings, "thermoplestic" Roadway tench repair	6,215 LF 99 LF 24 LF 56 LF 770 SF 2,048 SY	\$0.95 \$1.85 \$2.75 \$5.50 \$11.00 \$0.01	\$5,904.25 \$183.15 \$66.00 \$308.00 \$8,470.00 \$20.45	\$6.00 \$11.50	\$6,215.00 \$198.00 \$72.00 \$336.00 \$8,855.00 \$20.48) \$2.80) \$5.60) \$11.00	\$5,904.25 \$185.13 \$67.20 \$313.60 \$8,470.00 \$87,040.00			
	B-145 B-146 B-147 B-148 B-149 B-150	Temporary trench repair Remove existing water distribution piping from municipal roadway Reset water valve box to grade Furn. 8. Inst. 6° dia. cement lined DIP Class 52 water main along municipal roadway Furn. 8. Inst. 6° dia. cement lined DIP Class 52 water main along municipal roadway with Mul. type joints	2,078 SY 2,776 LF 11 UN 168 LF 22 LF 2,473 LF	\$0.01 \$0.01 \$35.00 \$85.00 \$150.00 \$95.00	\$20.76 \$27.76 \$385.00 \$14,280.00 \$3,300.00 \$234,935.00	\$200.00 \$135.00	\$20.76 \$27.76 \$2,200.00 \$22,680.00 \$5,500.00 \$333,855.00	\$ \$0.01 \$100.00 \$160.00 \$170.00	\$20.78 \$27.76 \$1,100.00 \$26,880.00 \$3,740.00 \$400,440.00			
	B-151	Fun. 5. Int. 10' dia. cement fixed DIP Class 52 water main along municipal readway with M.1 type joints Fun. 5. Int. 1' water service Fun. 6. Int. 1' hype K copper pipe water service & connection using open cut method to proposed water main proposed water main. To burled M.J. gate valve & where box within a proposed water main along municipal readway.	2,473 LP 110 LF 31 UN 633 LF 2 UN 4 UN	\$95.00 \$150.00 \$3,250.00 \$0.01 \$20,000.00 \$3,500.00	\$234,953.00 \$16,500.00 \$100,755.00 \$6.33 \$40,000.00 \$14,000.00	\$210.00 \$2,400.00 \$30.00 \$13,000.00	\$333,653.00 \$23,100.00 \$74,400.00 \$18,990.00 \$26,000.00 \$21,200.00	\$200.00 \$2,600.00 \$40.00 \$12,500.00	\$420,410.00 \$22,000.00 \$80,600.00 \$25,320.00 \$25,000.00 \$20,000.00		······································	
		Furn. & Int. 10° burles M.J. gate valve & valve box within a proposed water main along minicipal roadway. Furn. & Inst. 10° burled insertion valve & valve box on an existing water main Furn. & Inst. Intimo connection between proposed & existing water mains Furn. & Inst. temporary by-pass potable water distribution piping on Hidden Lake Drive Miscellaneoux concrete, Class B	8 UN 2 UN 6 UN LUMP SUM 20 CY 1 UN	\$5,000.00 \$0.01 \$18,250.00 \$0.72 \$0.01	\$40,000.00 \$0.02 \$109,500.00 \$0.72 \$0.20 \$5.00		\$53,600.00 \$0.02 \$13,800.00 \$1.00 \$20.00 \$20.00	2 \$26,000.00 0 \$3,500.00 0 \$1.00 0 \$1.00	\$52,000.00 \$52,000.00 \$21,000.00 \$1.00 \$20.00			
	B-163 B-163 B-164 B-165 B-166	Remove additional trees over 4" up to & including 6" caliper Remove additional trees over 6" up to & including 12" caliper Remove additional trees over 12" up to & including 16" caliper Remove additional trees over 16" caliper Topsolling, 4" thick	2 UN 6 UN 12 UN 12 UN 2,150 SY	\$5,500.00 \$0.01 \$0.01 \$0.01 \$0.01 \$0.01 \$6.50	\$5,500.00 \$0.02 \$0.06 \$0.12 \$0.12 \$0.12 \$13,975.00	\$5,500.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$6.50	\$5,500.00 \$2.00 \$6.00 \$12.00 \$12.00 \$12.00 \$13,975.00	\$1.00 \$1.00 \$1.00 \$1.00 \$1.00 \$1.00	\$1.00 \$2.00 \$6.00 \$12.00 \$12.00 \$10,750.00			
	B-167 B-168 B-169	Farilizing Sodding Replacement Trees TOTAL A-1 THROUGH B-169	2,150 SY 2,150 SY 17 UN	\$1.50 \$10.00 \$0.01 APPARENT LOV BIDDER	\$3,225.00 \$21,500.00 \$0.17 V \$3,999,135.00	\$1.00	\$2,150.00 \$19,350.00 \$17.00 <u>**\$4,210,000.00</u> \$4,209,962.00	\$9.00 \$1,000.00	\$2,150.00 \$19,350.00 \$17,000.00 **\$4,578,828.96 \$4,578,868.96			
	DEL A-1 DEL A-2 DEL A-3 DEL A-4	DELETION ITEM A-POPLAR AVENUE Breakaway barricade Drum Traffic cone Construction signs	3 UN 12 UN 50 UN 48 SF	\$0.01 \$0.01 \$0.01 \$0.01	\$0.03 \$0.12 \$0.50 \$0.46	\$1.00 \$1.00	\$3.00 \$12.00 \$50.00 \$1,200.00) \$1.00 \$1.00 \$1.00	\$3.00 \$12.00 \$50.00			
	DEL A-8 DEL A-9	Remove existing out or rolled out à gutter (Poplar Avenue) Remove existing valles (Poplar Avenue) Removel de pavement up to 14° deep Remove & replace roadway base Ortheway excension, unclassified	1,495 LF 4,749 SF 226 SY 806 SY 115 CY 99 CY	\$0.01 \$0.01 \$0.01 \$0.01 \$0.01 \$0.01 \$0.01	\$14.95 \$47.45 \$2.26 \$8.06 \$1.15	\$1.00 \$11.00 \$0.01 \$0.01	\$1,495.00 \$4,749.00 \$2,486.00 \$8.06 \$1.15	\$2.00 \$25.00 \$1.00 \$50.00	*\$4,475.00 \$7,475.00 \$9,498.00 \$5,650.00 \$806.00 \$5,750.00			
	DEL A-11 DEL A-12 DEL A-13	Geolextile roadway stabilization Dense graded aggregate base course (Minimum unit price bid \$10.00/C/Y) — HMA milling, 3° or less (Poplar Avenue) — — — — — — — — — — — — — — — — — — —	99 C1 219 SY 94 CY 5,910 SY 4,304 LF 491 LF	\$0.01 \$10.00 \$3.00 \$0.01 \$0.01	\$0.99 \$2.19 \$940.00 \$17,730.00 \$43.04 \$4.91	\$0.01 \$10.00 \$4.80 \$0.01	\$0.99 \$2.19 \$940.00 \$28,368.00 \$43.04 \$2,405.90	\$1.00 \$10.00 \$5.00 \$0.01	\$99.00 \$219.00 \$940.00 \$29,550.00 \$43.04 \$2,946.00			
	DEL A-17 DEL A-18 DEL A-19 DEL A-20	Hot mix asphalt 8.5M64 surface & leveler course (Poplar Avenue) Hot mix esphalt 19M64 base course Reconstruct inlet, type B, 6 ⁺ head	887 GAL 280 GAL 938 TON 197 TON 5 UN	\$0.01 \$0.01 \$87.00 \$87.00 \$1,700.00	\$8.87 \$2.80 \$81,606.00 \$17,139.00 \$8,500.00	\$0.01 \$97.00 \$100.00 \$2,200.00	\$8.87 \$2.80 \$90,986.00 \$19,700.00 \$11,000.00	\$0.01 \$95.00 \$95.00 \$95.00 \$3,000.00	\$8.87 \$2.80 \$89,110.00 \$18,715.00 \$15,000.00			
	DEL A-22 DEL A-23 DEL A-24 DEL A-25 DEL A-26	Reset existing casting Bicycle safe grate Courb piece type N-ECO Concrete sidewalter, 4* tinkk (Poplar Avenue) Concrete driveways, reinforced, 6* thick Article and driveways,2* thick	8 UN 2 UN 2 UN 4,749 SF 2,076 SF 182 SY	\$400.00 \$315.00 \$315.00 \$8.50 \$10.75 \$40.00	\$3,200.00 \$630.00 \$630.00 \$40,366.50 \$22,317.00 \$7,280.00	\$450.00 \$450.00 \$9.80 \$11.00	\$1,200.00 \$900.00 \$900.00 \$46,540.20 \$22,836.00 \$10,920.00	\$500.00 \$500.00 \$10.00 \$11.00	\$8.00 \$1,000.00 \$1,000.00 \$47,490.00 \$22,836.00 \$8,736.00			
	DEL A-27 DEL A-28 DEL A-29 DEL A-30 DEL A-31	Delectable warring surface 5" X 16" concrete vertical curb Resel granite block curb Granite block curb (Poplar Avenue) Resel water valve box to grade	11 SY 77 LF 83 LF 1,418 LF 5 UN	\$100.00 \$30.00 \$5.00 \$38.00 \$35.00	\$1,100.00 \$2,310.00 \$415.00 \$53,884.00 \$175.00	\$450.00 \$38.00 \$38.00 \$38.00 \$38.00 \$200.00	\$4,950.00 \$2,926.00 \$3,154.00 \$53,884.00 \$1,000.00	\$500.00 \$38.00 \$38.00 \$40.00 \$100.00	\$5,500.00 \$2,926.00 \$3,154.00 \$56,720.00 \$500.00			
	DEL A-32 DEL A-33 DEL A-34 DEL A-35 DEL A-36 DEL A-37	Miscellaneous concrete, Class B Remove additional trees over 8' up to & including 12' caliper Remove additional trees over 12' up to & including 16' caliper Remove additional trees over 16' caliper Topaoling, 4' thick, including fine grading Tetralizing	5 CY 5 UN 10 UN 10 UN 787 SY 787 SY	\$0.01 \$0.01 \$0.01 \$0.01 \$6.50 \$1.50	\$0.05 \$0.05 \$0.10 \$0.10 \$0.10 \$5,115.50 \$1,180.50	\$1.00 \$1.00 \$1.00 \$6.50	\$5.00 \$5.00 \$10.00 \$10.00 \$10.00 \$5,115.50 \$787.00	\$1.00 \$1.00 \$1.00 \$1.00 \$5.00 \$1.00	\$5.00 \$5.00 \$10.00 \$10.00 \$3,935.00 \$787.00			
	DEL A-38	Soding Replacement Trees TOTAL DELETION ITEM "A"	787 SY 15 UN	\$10.00 \$0.01	\$7,870.00 \$0.15 \$272,526.79	\$9.00 \$1.00	\$7,083.00 \$15.00 \$325,702.70	\$9.00 \$1,000.00	\$7,083.00 \$15,000.00 \$362,630.71	IN TUESDA	W, MAY 27, 2024 A	ED BY THE TOWNSHIP DWNSHIP ENGINEER'S OFFICE IT 11:00 A.M.
						* CORRECTED DUE MULTIPLICATION	EGULARITIES TO ERROR IN E TO ERROR IN ADDITION	LOUU J. PLO		ESSIONAL ENGINEER		

~

•



NORTH BRUNSWICK TOWNSHIP 2024 ROAD IMPROVEMENT PROGRAM

		POST-BID CONSTRUCTION COST ESTIMATE - P&A Constructi						
Summary of Roads			Cost Estimate	Water Main Replacement				
	LF		(w/o soft costs)					
Wheeler Road (Local Aid Grant) (Entire Length) (\$557,505)	1,444	\$	1,363,009.88	\$	481,441.87			
Cozzens Lane (Delta Court to Wedgewood Drive)	364	\$	143,642.68					
Princess Drive & Earl Court (Entire Length)	2,006	\$	426,643.62					
Hidden Lake Drive (Nathan Drive to Upper Brook Drive)	2,336	\$	558,799.74	\$	574,870.42			
Poplar Avenue (Entire Length)	1,259	\$	450,726.79					
Estimated Total Cost		\$	2,942,822.71	\$	1,056,312.29			