

**A RESOLUTION OF THE TOWNSHIP OF NORTH BRUNSWICK
AUTHORIZING AWARD OF CONTRACT BID23001
TO LUCAS BROTHERS INC.
FOR THE 2023 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 2023 road schedule as part of the Road Program initiated in 2000; and

WHEREAS, road segments include:

1. Corporate Road
2. Evelyn Avenue
3. Washington Place

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

WHEREAS, on March 20, 2023, the Township Council approved Resolution 103-3.23 authorizing advertisement for receipt of bids for the 2023 Road Improvement Program, BID23001; and

WHEREAS, the Municipal Clerk witnessed the receipt of three bids on April 6, 2023 and the lowest qualifying bid was submitted by Lucas Brothers, Inc. of Morganville, New Jersey with a base bid of \$2,650,650.00 for Items A-1 through C-199 inclusive; and

WHEREAS, CME Associates, Engineers for this project, the Purchasing Agent and Legal Counsel have reviewed the qualifications and bid submitted by Lucas Brothers, Inc. and determined them responsive under the provisions of the Local Public Contracts Law (N.J.S.A. 40A:11-1 et seq.) and all other provisions of the revised statutes of the State of New Jersey, noting a curable bid irregularity that resulted in no change to the base bid.

NOW THEREFORE, BE IT RESOLVED, that the bid submitted by Lucas Brothers, Inc. 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 Lucas Brothers, Inc. for the 2023 Road Improvement Program, Contract BID23001, in the amount of \$2,650,650.00 for Items A-1 through C-199 inclusive, subject approvals by the New Jersey Department of Transportation.

Resolution: _____

CERTIFICATION

I, Cavel Gallimore, Chief Financial Officer of the Township of North Brunswick, certify that funds in the following accounts totaling \$2,650,650.00 are available under Contract BID23001:

\$1,369,930.91 are available in Capital Ordinance 22-08 account C-04-55-C22-220-101,
\$ 365,000.00 are available in NJDOT Corporate Road Grant account G-02-22-195-728-000,
\$ 566,900.00 are available in NJDOT Evelyn Avenue Grant account G-02-21-195-726-000, and
\$ 348,819.09 are available in Water Capital Ordinance account C-06-55-C20-201-101.

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
HUTCHINSON				
GUADAGNINO				
ANDREWS				
DAVIS				
SOCIO				
MEHTA				
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 April 17, 2023.

Lisa Russo
Township Clerk

Resolution: _____

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



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

April 11, 2023

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

**Re: 2023 Road Improvement Program
Contract No. 23-001
Township of North Brunswick
Our File No.: PNO00656.02**

Dear Mr. Hritz,

On April 6, 2023 three (3) bids were received for the 2023 Road Improvement Program as indicated on the attached summary of bids.

The apparent low bid was submitted by Lucas Brothers, Inc. of Morganville, New Jersey with a base bid of \$2,650,650.00 for items A-1 through C-199 inclusive, which is \$142,143.72 under the price bid by the second lowest bidder. The second lowest bid was submitted by P&A Construction, Inc. of Colonia, New Jersey with a base bid of \$2,792,793.72 for items A-1 through C-199 inclusive.

The apparent low bid submitted by Lucas Brothers, Inc. contained an irregularity in that page G-14 of the Supplementary Conditions for Construction Contracts was not signed. Lucas Brothers' bid also contained a multiplication error for item B-66. It should also be noted that Lucas Brothers, Inc. included penny bids for twenty-seven (27) of the one hundred and ninety-nine (199) bid items.

Regarding the multiplication irregularity contained in the apparent low bid, it should be noted that Section B 2.5 in the Instruction to Bidders of the bid documents indicates that in case of a conflict, words will take precedence over numbers, and unit prices shall take precedence over total price extensions, and the sum of individual items, including unit prices multiplied by estimated quantities, and/or individual lump sum and/or allowance amounts will take precedence over the Total Bid or Alternate Bid price. There was no change to the base bid total as a result of the multiplication error for item B-66.

It is our understanding that the apparent low bid is within the available funding for the Project. Accordingly, should the aforementioned irregularities be deemed curable and should there be no other irregularities in the apparent low bid as determined by the Township Attorney, we recommend award of the Project to Lucas Brothers, Inc. for items A-1 through C-199 inclusive in the amount of \$2,650,650.00, 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



Mr. Michael Hritz
Township of North Brunswick
Re: 2023 Road Improvement Program

April 11, 2023
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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 Lucas Brothers, Inc. submitting a certification indicating that the work required under item nos. A-15, A-16, A-18, A-23, A-24, A-25, B-61, B-63, B-65, B-67, B-69, B-70, B-71, B-74, B-101, C-127, C-132, C-133, C-134, C-137, C-140, C-141, C-142, C-150, C-171, C-172, and C-173 will be provided at the prices bid, if and where ordered by the Township.

Original bid packages submitted by the three (3) bidders will be forwarded 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,
CME Associates



Louis Ploskonka, PE
Township Engineer's Office

LP/GO/pb
Enclosures

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

SUMMARY OF BIDS RECEIVED APRIL 6, 2023
BY THE GOVERNING BODY OF THE TOWNSHIP OF NORTH BRUNSWICK
FOR THE 2023 ROAD IMPROVEMENT PROGRAM



NAME:		LUCAS BROTHERS, INC		P & A CONSTRUCTION, INC		BLACK ROCK ENTERPRISES, LLC								
ADDRESS:		80 AMBOY ROAD		P.O. BOX 28		1216 ENGLISHTOWN RD								
CITY / STATE:		MORGANVILLE, NJ 07751		COLONIA, NJ 07067		OLD BRIDGE, NJ 08857								
BID GUARANTEE:		YES		YES		YES								
SURETY:		10% NTE \$20,000.00		10% NTE \$20,000.00		10% NTE \$20,000.00								
ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
Corporate Road (A-1 through A-47)														
A-1	Mobilization	LUMP SUM	\$70,000.00	\$70,000.00	\$150,000.00	\$150,000.00	\$26,500.00	\$26,500.00						
A-2	Breakaway barricade	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00						
A-3	Drum	16 UN	\$1.00	\$16.00	\$0.01	\$0.16	\$1.00	\$16.00						
A-4	Traffic cone	50 UN	\$1.00	\$50.00	\$0.01	\$0.50	\$1.00	\$50.00						
A-5	Construction signs	122 SF	\$19.00	\$2,318.00	\$0.01	\$1,222.00	\$22.00	\$2,684.00						
A-6	Traffic director, Municipal Police Allowance (\$20,000.00)	ALLOWANCE	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00	\$20,000.00						
A-7	Flashing arrow board, 4x8'	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00						
A-8	Portable variable message sign	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$2,000.00	\$2,000.00						
A-9	Traffic control truck with mounted crash cushion	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$7,500.00	\$7,500.00						
A-10	Asphalt price adjustment (\$7,000.00)	DOLLARS	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00						
A-11	Fuel price adjustment (\$8,000.00)	DOLLARS	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00	\$8,000.00						
A-12	Allowance for work not specified (\$10,000.00)	ALLOWANCE	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00						
A-13	Remove existing curb or rolled curb and gutter	2,151 LF	\$1.00	\$2,151.00	\$2.00	\$4,302.00	\$6.00	\$12,906.00						
A-14	Clearing site (L.S. \$15,000.00)	LUMP SUM	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00						
A-15	Excavation, unclassified	1,668 CY	\$0.01	\$16.68	\$0.01	\$16.68	\$37.00	\$61,716.00						
A-16	Remove and replace roadway base	963 SY	\$0.01	\$9.63	\$0.01	\$9.63	\$1.00	\$963.00						
A-17	Driveway excavation, unclassified	93 CY	\$1.00	\$93.00	\$0.01	\$0.93	\$50.00	\$4,650.00						
A-18	Excavation, unclassified, test pit	66 CY	\$0.01	\$0.66	\$0.01	\$0.66	\$1.00	\$66.00						
A-19	2" to 2-1/2" clean stone subbase (Minimum unit price bid \$10.00/CY)	467 CY	\$10.00	\$4,670.00	\$10.00	\$4,670.00	\$10.00	\$4,670.00						
A-20	Skeleton roadway stabilization	1,870 SY	\$1.00	\$1,870.00	\$0.01	\$18.70	\$2.00	\$3,740.00						
A-21	Dense graded aggregate base course (Minimum unit price bid \$10.00/CY)	585 CY	\$10.00	\$5,850.00	\$10.00	\$5,850.00	\$10.00	\$5,850.00						
A-22	HMA milling, 3" or less	4,692 SY	\$4.50	\$20,864.00	\$3.00	\$13,776.00	\$4.00	\$18,368.00						
A-23	Polymerized joint adhesive	5,805 LF	\$0.01	\$58.05	\$0.01	\$58.05	\$0.33	\$1,915.65						
A-24	Tack Coat	1,183 GAL	\$0.01	\$11.83	\$0.01	\$11.83	\$4.00	\$4,732.00						
A-25	Prime Coat	1,646 GAL	\$0.01	\$16.46	\$0.01	\$16.46	\$0.01	\$16.46						
A-26	Hot mix asphalt 9.5M4 surface and leveling course	1,065 TON	\$130.00	\$138,450.00	\$101.00	\$107,565.00	\$95.00	\$101,175.00						
A-27	Hot mix asphalt 19M4 base course	1,235 TON	\$65.00	\$80,275.00	\$91.00	\$112,385.00	\$94.00	\$116,090.00						
A-28	Reset existing casting	14 UN	\$150.00	\$2,100.00	\$500.00	\$7,000.00	\$325.00	\$4,550.00						
A-29	Bicycle safe grate	14 UN	\$320.00	\$4,480.00	\$300.00	\$4,200.00	\$350.00	\$4,900.00						
A-30	Curb piece type N-EOD	12 UN	\$250.00	\$3,000.00	\$300.00	\$3,600.00	\$385.00	\$4,620.00						
A-31	Concrete driveways, reinforced, 10" thick, commercial	110 SY	\$150.00	\$16,500.00	\$150.00	\$16,500.00	\$145.00	\$15,950.00						
A-32	Hot mix asphalt driveway, 6" thick, commercial	220 SY	\$100.00	\$22,000.00	\$91.00	\$20,020.00	\$85.00	\$18,700.00						
A-33	8" x 18" concrete vertical curb	151 LF	\$35.00	\$5,285.00	\$35.00	\$5,285.00	\$32.00	\$4,832.00						
A-34	Traffic stripes, long-life, "thermoelastic", 4" wide, with glass beads	2,001 LF	\$45.00	\$90,045.00	\$35.00	\$70,035.00	\$42.00	\$84,042.00						
A-35	Traffic stripes, long-life, "thermoelastic", 24" wide, with glass beads	163 LF	\$4.00	\$652.00	\$4.00	\$652.00	\$4.00	\$652.00						
A-36	Traffic stripes, long-life, "thermoelastic", 24" wide, with glass beads	17 LF	\$25.00	\$425.00	\$25.00	\$425.00	\$25.00	\$425.00						
A-37	Signs	33 SF	\$50.00	\$1,650.00	\$50.00	\$1,650.00	\$47.00	\$1,551.00						
A-38	Reset water valve box to grade	2 UN	\$270.00	\$540.00	\$35.00	\$70.00	\$35.00	\$70.00						
A-39	Miscellaneous concrete, Class B	5 CY	\$1.00	\$5.00	\$0.01	\$0.05	\$1.00	\$5.00						
A-40	Remove additional trees over 4" up to and including 8" caliper	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00						
A-41	Remove additional trees over 8" up to and including 12" caliper	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00						
A-42	Remove additional trees over 12" up to and including 16" caliper	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00						
A-43	Remove additional trees over 16" caliper	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00						
A-44	Topsoiling, 4" thick	952 SY	\$6.00	\$5,712.00	\$7.50	\$7,140.00	\$1.00	\$952.00						
A-45	Fertilizing	952 SY	\$1.00	\$952.00	\$1.00	\$952.00	\$1.00	\$952.00						
A-46	Soeding	952 SY	\$8.25	\$7,854.00	\$9.25	\$8,806.00	\$11.00	\$10,472.00						
A-47	Replacement trees	2 UN	\$1.00	\$2.00	\$0.01	\$0.02	\$800.00	\$1,600.00						
Evelyn Avenue (B-48 through B-113)														
B-48	Mobilization	LUMP SUM	\$125,000.00	\$125,000.00	\$150,000.00	\$150,000.00	\$35,000.00	\$35,000.00						
B-49	Breakaway barricade	2 UN	\$1.00	\$2.00	\$0.01	\$0.02	\$1.00	\$2.00						
B-50	Drum	20 UN	\$1.00	\$20.00	\$0.01	\$0.20	\$1.00	\$20.00						
B-51	Traffic cone	50 UN	\$1.00	\$50.00	\$0.01	\$0.50	\$1.00	\$50.00						
B-52	Construction signs	138 SF	\$18.00	\$2,484.00	\$0.01	\$1.38	\$1.00	\$138.00						
B-53	Traffic director, Municipal Police Allowance (\$26,000.00)	ALLOWANCE	\$26,000.00	\$26,000.00	\$26,000.00	\$26,000.00	\$26,000.00	\$26,000.00						
B-54	Flashing arrow board, 4x8'	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00						
B-55	Portable variable message sign	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00						
B-56	Traffic control truck with mounted crash cushion	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$5,000.00	\$5,000.00						
B-57	Asphalt price adjustment (\$5,000.00)	DOLLARS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00						
B-58	Fuel price adjustment (\$7,000.00)	DOLLARS	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00	\$7,000.00						
B-59	Allowance for work not specified (\$10,000.00)	ALLOWANCE	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00						
B-60	Remove existing curb or rolled curb and gutter	1,142 LF	\$1.00	\$1,142.00	\$2.00	\$2,284.00	\$4.00	\$4,568.00						
B-61	Remove existing walks	181 SF	\$0.01	\$1.81	\$2.00	\$362.00	\$5.00	\$905.00						
B-62	Clearing site (L.S. \$15,000.00)	LUMP SUM	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00						
B-63	Excavation, unclassified	2,339 CY	\$0.01	\$23.39	\$0.01	\$23.39	\$37.00	\$86,543.00						
B-64	Driveway excavation, unclassified	86 CY	\$1.00	\$86.00	\$0.01	\$0.86	\$50.00	\$4,300.00						
B-65	Excavation, unclassified, test pit	182 CY	\$0.01	\$1.82	\$0.01	\$1.82	\$1.00	\$182.00						
B-66	2" to 2-1/2" clean stone subbase (Minimum unit price bid \$10.00/CY)	656 CY	\$10.00	\$6,560.00	\$10.00	\$6,560.00	\$10.00	\$6,560.00						
B-67	Skeleton roadway stabilization	1,967 SY	\$0.01	\$19.67	\$0.01	\$19.67	\$0.01	\$19.67						
B-68	Dense graded aggregate base course (Minimum unit price bid \$10.00/CY)	722 CY	\$10.00	\$7,220.00	\$10.00	\$7,220.00	\$10.00	\$7,220.00						
B-69	Polymerized joint adhesive	4,444 LF	\$0.01	\$44.44	\$0.01	\$44.44	\$0.01	\$44.44						
B-70	Tack Coat	651 GAL	\$0.01	\$6.51	\$0.01	\$6.51	\$4.00	\$2,604.00						
B-71	Prime Coat	2,184 GAL	\$0.01	\$21.84	\$0.01	\$21.84	\$0.01	\$21.84						
B-72	Hot mix asphalt 9.5M4 surface and leveling course	510 TON	\$115.00	\$58,650.00	\$94.00	\$47,940.00	\$95.00	\$48,450.00						
B-73	Hot mix asphalt 19M4 base course	1,626 TON	\$100.00	\$162,600.00	\$80.00	\$122,080.00	\$94.00	\$143,444.00						
B-74	Dense graded aggregate for pipe trench	640 CY	\$0.01	\$6.40	\$0.01	\$6.40	\$30.00	\$19,200.00						
B-75	6" dia. smooth wall interior, corrugated, perforated polyethylene tubing (PPT) underdrains with filter fabric, stone backfill for subsurface drains, bedding and backfill	2,789 LF	\$28.00	\$78,092.00	\$32.50	\$90,642.50	\$40.00	\$111,560.00						
B-76	PVC, SDR-35 Leader drain extension or reconstruction	4 UN	\$115.00	\$460.00	\$50.00	\$200.00	\$500.00	\$2,000.00						
B-77	Connect leader or sump drain to proposed 6" dia. PPT underdrain	9 UN	\$115.00	\$1,035.00	\$500.00	\$4,500.00	\$420.00	\$3,780.00						
B-78	18" x 30" elliptical reinforced concrete pipe (RCP), Class IV storm sewer with flexible watertight gaskets	1,708 LF	\$155.00	\$264,740.00	\$160.00	\$273,280.00	\$190.00	\$324,520.00						
B-79	Inlet type B, 6" head	3 UN	\$5,700.00	\$17,100.00	\$7,500.00	\$22,500.00	\$4,500.00	\$13,500.00						
B-80	Inlet type B2, 6" head	3 UN	\$7,400.00	\$22,200.00	\$10,000.00	\$30,000.00	\$6,500.00	\$19,500.00						
B-														

**SUMMARY OF BIDS RECEIVED APRIL 6, 2023
BY THE GOVERNING BODY OF THE TOWNSHIP OF NORTH BRUNSWICK
FOR THE 2023 ROAD IMPROVEMENT PROGRAM**



NAME:		LUCAS BROTHERS, INC		P & A CONSTRUCTION, INC		BLACK ROCK ENTERPRISES, LLC								
ADDRESS:		80 AMBOY ROAD		P. O. BOX 28		1216 ENGLISHTOWN RD								
CITY / STATE:		MORGANVILLE, NJ 07751		COLONIA, NJ 07067		OLD BRIDGE, NJ 08857								
BID GUARANTEE:		YES		YES		YES								
SURETY:		10% NTE \$20,000.00		10% NTE \$20,000.00		10% NTE \$20,000.00								
ITEM	DESCRIPTION	QUANTITY	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
	Washington Place (C-114 through C-199)													
C-114	Mobilization	LUMP SUM	\$167,803.52	\$167,803.52	\$150,000.00	\$150,000.00	\$96,000.00	\$96,000.00						
C-115	Breakaway barricade	18 UN	\$1.00	\$18.00	\$0.01	\$0.18	\$100.00	\$1,800.00						
C-116	Drum	31 UN	\$1.00	\$31.00	\$0.01	\$0.31	\$55.00	\$1,705.00						
C-117	Traffic cone	100 UN	\$1.00	\$100.00	\$0.01	\$1.00	\$20.00	\$2,000.00						
C-118	Construction signs	80 SF	\$24.00	\$1,920.00	\$0.01	\$0.80	\$25.00	\$2,000.00						
C-119	Traffic director, Municipal Police Allowance (\$101,000.00)	ALLOWANCE	\$101,000.00	\$101,000.00	\$101,000.00	\$101,000.00	\$101,000.00	\$101,000.00						
C-120	Flashing arrow board, 4x8'	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00						
C-121	Portable variable message sign	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$2,500.00	\$2,500.00						
C-122	Traffic control truck with mounted crash cushion	1 UN	\$1.00	\$1.00	\$0.01	\$0.01	\$7,500.00	\$7,500.00						
C-123	Alphalt price adjustment (\$2,000.00)	DOLLARS	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00	\$2,000.00						
C-124	Fuel price adjustment (\$5,000.00)	DOLLARS	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00	\$5,000.00						
C-125	Allowance for work not specified (\$10,000.00)	ALLOWANCE	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00	\$10,000.00						
C-126	Remove existing curb or rolled curb & gutter	413 LF	\$1.00	\$413.00	\$2.00	\$826.00	\$7.00	\$2,891.00						
C-127	Remove existing walks	1,664 SF	\$0.01	\$16.64	\$1.00	\$1,664.00	\$4.00	\$6,656.00						
C-128	Remove and dispose of existing storm sewer structures (salvage castings)	2 UN	\$1.00	\$2.00	\$250.00	\$500.00	\$500.00	\$1,000.00						
C-129	Remove and dispose of existing storm sewer pipes	43 LF	\$1.00	\$43.00	\$15.00	\$645.00	\$50.00	\$2,150.00						
C-130	Remove existing fire hydrant, run-out and valve along municipal roadway, salvage hydrant to owner	1 UN	\$1.00	\$1.00	\$750.00	\$750.00	\$1,500.00	\$1,500.00						
C-131	Clearing site (L.S. \$15,000.00)	LUMP SUM	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00	\$15,000.00						
C-132	Excavation, unclassified	1,426 CY	\$0.01	\$14.26	\$0.01	\$14.26	\$40.00	\$57,040.00						
C-133	Remove and replace roadway base	444 SY	\$0.01	\$4.44	\$0.01	\$4.44	\$1.00	\$444.00						
C-134	Driveway excavation, unclassified	117 CY	\$0.01	\$1.17	\$0.01	\$1.17	\$55.00	\$6,435.00						
C-135	Excavation, unclassified, test pit	85 CY	\$70.00	\$5,950.00	\$0.01	\$0.85	\$1.00	\$85.00						
C-136	2" to 2-1/2" clean stone subbase (Minimum unit price bid \$10.00/CY)	226 CY	\$10.00	\$2,260.00	\$10.00	\$2,260.00	\$10.00	\$2,260.00						
C-137	Geotextile roadway stabilization	676 SY	\$0.01	\$6.76	\$0.01	\$6.76	\$5.00	\$3,380.00						
C-138	Dense graded aggregate base course (Minimum unit price bid \$10.00/CY)	836 CY	\$10.00	\$8,360.00	\$10.00	\$8,360.00	\$10.00	\$8,360.00						
C-139	HMA milling, 3" or less	2,439 SY	\$2.50	\$6,097.50	\$3.00	\$7,317.00	\$5.00	\$12,195.00						
C-140	Polymerized joint adhesive	3,779 LF	\$0.01	\$37.79	\$0.01	\$37.79	\$1.00	\$3,779.00						
C-141	Tack Coat	640 GAL	\$0.01	\$6.40	\$0.01	\$6.40	\$4.00	\$2,560.00						
C-142	Prime Coat	792 GAL	\$0.01	\$7.92	\$0.01	\$7.92	\$0.01	\$7.92						
C-143	Hot mix asphalt 9.5M4 surface and leveler course	633 TON	\$95.00	\$60,135.00	\$76.00	\$48,108.00	\$100.00	\$63,300.00						
C-144	Hot mix asphalt 1.5M4 base course	637 TON	\$115.00	\$73,255.00	\$75.00	\$47,775.00	\$100.00	\$63,700.00						
C-145	6" dia smooth wall interior, corrugated, perforated polyethylene tubing (PPT) underdrains with filter fabric, stone backfill for subsurface drains, bedding and backfill	1,416 LF	\$27.00	\$38,232.00	\$32.00	\$45,312.00	\$42.00	\$59,472.00						
C-146	PVC, SDR-35 Leader drain extension or reconstruction	7 UN	\$115.00	\$805.00	\$50.00	\$350.00	\$350.00	\$2,450.00						
C-147	Connect leader or sump drain to proposed 6" dia. PPT underdrain	15 UN	\$150.00	\$2,250.00	\$500.00	\$7,500.00	\$450.00	\$6,750.00						
C-148	18" dia. reinforced concrete pipe (RCP), Class V storm sewer with flexible watertight gaskets	151 LF	\$90.00	\$13,590.00	\$150.00	\$22,650.00	\$95.00	\$14,345.00						
C-149	18" dia. reinforced concrete pipe (RCP), Class V storm sewer with flexible watertight gaskets	39 LF	\$160.00	\$6,240.00	\$150.00	\$5,850.00	\$100.00	\$3,900.00						
C-150	Dense graded aggregate for pipe trench	1,170 CY	\$0.01	\$11.70	\$0.01	\$11.70	\$30.00	\$35,100.00						
C-151	Inlet type B, 6" head	2 UN	\$5,900.00	\$11,800.00	\$7,500.00	\$15,000.00	\$5,000.00	\$10,000.00						
C-152	Inlet type B, 8" head	2 UN	\$6,100.00	\$12,200.00	\$7,500.00	\$15,000.00	\$5,000.00	\$10,000.00						
C-153	Inlet type B2, 6" head	2 UN	\$8,300.00	\$16,600.00	\$10,000.00	\$20,000.00	\$6,000.00	\$12,000.00						
C-154	Inlet type B2, 8" head	1 UN	\$8,100.00	\$8,100.00	\$10,000.00	\$10,000.00	\$6,000.00	\$6,000.00						
C-155	Inlet type B, 8" head, extended	1 UN	\$8,000.00	\$8,000.00	\$10,000.00	\$10,000.00	\$5,500.00	\$5,500.00						
C-156	Manhole, 4' square, storm sewer	1 UN	\$6,000.00	\$6,000.00	\$10,000.00	\$10,000.00	\$6,500.00	\$6,500.00						
C-157	Reconstruct inlet, type B, 6" head	3 UN	\$2,000.00	\$6,000.00	\$1,600.00	\$4,800.00	\$1,650.00	\$4,950.00						
C-158	Manhole with casting (Minimum unit price bid \$200.00/UN)	3 UN	\$4,300.00	\$12,900.00	\$200.00	\$600.00	\$1,200.00	\$3,600.00						
C-159	Reset existing casting	3 UN	\$175.00	\$525.00	\$400.00	\$1,200.00	\$1.00	\$3.00						
C-160	Concrete sidewalks, 4" thick	1,664 SF	\$9.00	\$14,976.00	\$10.00	\$16,640.00	\$10.00	\$16,640.00						
C-161	Concrete driveways, reinforced, 6" thick	740 SF	\$10.00	\$7,400.00	\$12.50	\$9,250.00	\$12.00	\$8,880.00						
C-162	Hot mix asphalt driveway, 2" thick	206 SY	\$50.00	\$10,300.00	\$40.00	\$8,240.00	\$40.00	\$8,240.00						
C-163	Hot mix asphalt driveway, 6" thick, commercial	104 SY	\$115.00	\$11,960.00	\$90.00	\$9,360.00	\$55.00	\$5,720.00						
C-164	Aggregate driveway, 4" thick	29 SY	\$30.00	\$870.00	\$10.00	\$290.00	\$35.00	\$1,015.00						
C-165	Detectable warning surface	5 SY	\$350.00	\$1,750.00	\$90.00	\$450.00	\$450.00	\$2,250.00						
C-166	7' x 18' concrete vertical curb	2,121 LF	\$35.00	\$74,235.00	\$30.00	\$63,630.00	\$29.00	\$61,509.00						
C-167	Traffic stripes, long-life, "thermoelastic", 4" wide, with glass beads	2,380 LF	\$1.25	\$2,975.00	\$1.20	\$2,856.00	\$1.25	\$2,975.00						
C-168	Traffic stripes, long-life, "thermoelastic", 6" wide, with glass beads	235 LF	\$3.00	\$705.00	\$2.40	\$564.00	\$2.50	\$587.50						
C-169	Traffic stripes, long-life, "thermoelastic", 24" wide, with glass beads	77 LF	\$8.00	\$616.00	\$7.20	\$554.40	\$7.00	\$539.00						
C-170	Traffic markings, "thermoelastic"	520 SF	\$9.80	\$5,096.00	\$9.25	\$4,810.00	\$9.00	\$4,680.00						
C-171	Roadway trench repair	313 SY	\$0.01	\$3.13	\$50.00	\$15,650.00	\$55.00	\$17,215.00						
C-172	Temporary trench repair	1,154 SY	\$0.01	\$11.54	\$0.01	\$11.54	\$28.00	\$32,312.00						
C-173	Remove existing water distribution piping from municipal roadway	1,342 LF	\$0.01	\$13.42	\$0.01	\$13.42	\$0.01	\$13.42						
C-174	Furnish and install 4" dia. cement lined DIP Class 52 water main along municipal roadway	6 LF	\$110.00	\$660.00	\$0.01	\$0.06	\$200.00	\$1,200.00						
C-175	Furnish and install 4" dia. cement lined DIP Class 52 water main along municipal roadway with M.J. type joints	6 LF	\$110.00	\$660.00	\$0.01	\$0.06	\$200.00	\$1,200.00						
C-176	Furnish and install 6" dia. cement lined DIP Class 52 water main along municipal roadway	11 LF	\$65.00	\$715.00	\$0.01	\$0.11	\$250.00	\$2,750.00						
C-177	Furnish and install 6" dia. cement lined DIP Class 52 water main along municipal roadway with M.J. type joints	1,152 LF	\$97.00	\$111,744.00	\$115.00	\$132,480.00	\$137.00	\$157,824.00						
C-178	Furnish and install 12" dia. cement lined DIP Class 52 water main along municipal roadway	88 LF	\$150.00	\$13,200.00	\$135.00	\$11,880.00	\$150.00	\$13,200.00						
C-179	Furnish and install 8" dia. DIP water main by trenchless installation	48 LF	\$225.00	\$10,800.00	\$160.00	\$7,680.00	\$200.00	\$9,600.00						
C-180	Furnish and install 1" water service corporation stop, curb boxes, curb stop, adapters, fittings, government removal, excavation, backfill & restoration	33 LF	\$1,270.00	\$41,910.00	\$3,500.00	\$115,500.00	\$1,850.00	\$61,050.00						
C-181	Furnish and install 1" K copper pipe water service and connection using open cut method to proposed water main	15 UN	\$2,700.00	\$40,500.00	\$2,500.00	\$37,500.00	\$2,650.00	\$39,750.00						
C-182	Furnish and install fire hydrant assembly along municipal roadway	348 LF	\$25.00	\$8,700.00	\$0.01	\$3.48	\$45.00	\$15,660.00						
C-183	Furnish and install 8" buried M.J. gate valve and valve box within a proposed water main along municipal roadway	3 UN	\$11,000.00	\$33,000.00	\$10,000.00	\$30,000.00	\$10,000.00	\$30,000.00						
C-184	Furnish and install 12" buried M.J. gate valve and valve box within a proposed water main along municipal roadway	11 UN	\$5,300.00	\$58,300.00	\$3,000.00	\$33,000.00	\$4,500.00	\$49,500.00						
C-185	Furnish and install 12" buried insertion valve and valve box within a proposed water main along municipal roadway	2 UN	\$7,300.00	\$14,600.00	\$8,350.00	\$16,700.00	\$5,500.00	\$11,000.00						
C-186	Furnish and install 12" buried insertion valve and valve box within an existing water main	2 UN	\$1.00	\$2.00	\$7,000.00	\$14,000.00	\$30,000.00	\$60,000.00						
C-187	Furnish and install inline connection between proposed and existing water mains	7 UN	\$2,000.00	\$14,000.00	\$7,500.00	\$52,500.00	\$4,200.00	\$29,400.00						
C-188	Furnish and install temporary gas potable water distribution piping on Washington Place	LUMP SUM	\$1.00	\$1.00	\$0.01	\$0.01	\$1.00	\$1.00						
C-189	Miscellaneous concrete, class B	5 CY	\$1.00	\$5.00	\$0.01	\$0.05	\$1.00	\$5.00						
C-190	Reinforced concrete steps, class B	2 CY	\$1.00	\$2.0										



**NORTH BRUNSWICK TOWNSHIP
2023 ROAD IMPROVEMENT PROGRAM**

<i>Summary of Roads</i>	LF	POST-BID CONSTRUCTION COST ESTIMATE - Lucas Brothers, Inc.		
		Cost Estimate <i>(w/o soft costs)</i>	Water Main Replacement	Sanitary Sewer Replacement
Evelyn Avneue (Local Aid Grant) (Entire Length) (\$566,900)	1,331	\$ 1,001,973.90		
Washington Place (Rt. 130 to Miriam Drive)	1,020	\$ 752,126.70	\$ 348,819.09	
Corporate Road (Local Freight Grant) (Entire Length) (\$365,000)	1,676	\$ 547,730.31		
Estimated Total Cost		\$ 2,301,830.91	\$ 348,819.09	\$ -