

**A RESOLUTION OF THE TOWNSHIP COUNCIL OF NORTH BRUNSWICK
AUTHORIZING AN AMENDMENT TO CHANGE ORDER NO. 5 TO
THE PROFESSIONAL SERVICE AGREEMENT WITH
CME ASSOCIATES APPOINTED AS THE 2022
TOWNSHIP CONSULTING ENGINEERS FOR
DESIGN THROUGH BID PHASE SERVICES FOR THE
NASSAU STREET IMPROVEMENT PROJECT – PHASE I**

WHEREAS, in January of 2022, pursuant to Resolution 8-1.22, CME Associates, of 3141 Bordentown Avenue, Parlin, NJ 08959, was authorized to provide engineering consulting services for calendar year 2022, as awarded under a fair and open contract process, pursuant to the provisions of N.J.S.A. 19:44A-20.1 et seq.; and

WHEREAS, CME Associates current agreement includes the following:

→ General engineering services in an amount not-to-exceed \$100,000.00,

Amendment 1 → Professional services associated with Pulda Farm Walking Trail Project-Phase 2 in the amount of \$34,791.00,

Amendment 2 → Professional services associated with Pulda Farm Walking Trail Project-Phase 3 in the amount of \$24,735.00,

Amendment 3 → Professional services associated with the North Brunswick Community Park Trail Improvements Project in the amount of \$27,754.00 and

Amendment 4 → Professional services associated with the Construction Phase for the 2022 Road Program, with an amount not-to-exceed \$362,000.00, for a revised contract amount of \$549,280.00.

WHEREAS, the Township is the owner and operator of its municipal water, sewer and stormwater distribution systems which includes lines at the intersection of Nassau Street and Remsen Avenue; and

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 of Community Development, has requested additional services under the contract with CME Associates for services associated Nassau Street Improvements Phase I Project, including design through bid phase; and

WHEREAS, compensation for said services shall be based upon the June 2, 2022 proposal submitted by CME Associates, to be paid upon submission of monthly invoices, in the corrected amount of \$119,747.00 ~~\$101,854.00~~ with a revised contract amount of \$669,027.00; and

WHEREAS, the engineering services for this project will be funded from existing capital ordinances.

NOW, THEREFORE, BE IT RESOLVED on this 1st day of August 2022, that the Township Council of the Township of North Brunswick does hereby authorize the Mayor to execute and the Township Clerk to witness an amendment to the current agreement with CME Associates to include Design through Bid phase Services for the Nassau Street Improvements Phase I Project, based upon the June 2, 2022 proposal, in the corrected amount of \$119,747.00 with a revised contract amount of \$669,027.00.

BE IT FURTHER RESOLVED notice of this action shall be published in the Home News & Tribune as required by law within 10 (ten) days after its passage.

CERTIFICATION

I, Cavel Gallimore, Chief Financial Officer of the Township of North Brunswick, certify that funds in the following accounts totaling \$119,747.00 are available under Contract PRO22054:

- \$ 70,000.00 are available in Capital Ordinance 22-08 account C-04-55-C22-220-902,
- \$ 20,000.00 are available in Water Capital Ordinance 20-07 account C-06-55-C20-201-901 and
- \$ 29,747.00 are available in Sewer Capital Ordinance 20-08 account C-08-55-C20-200-901.

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:

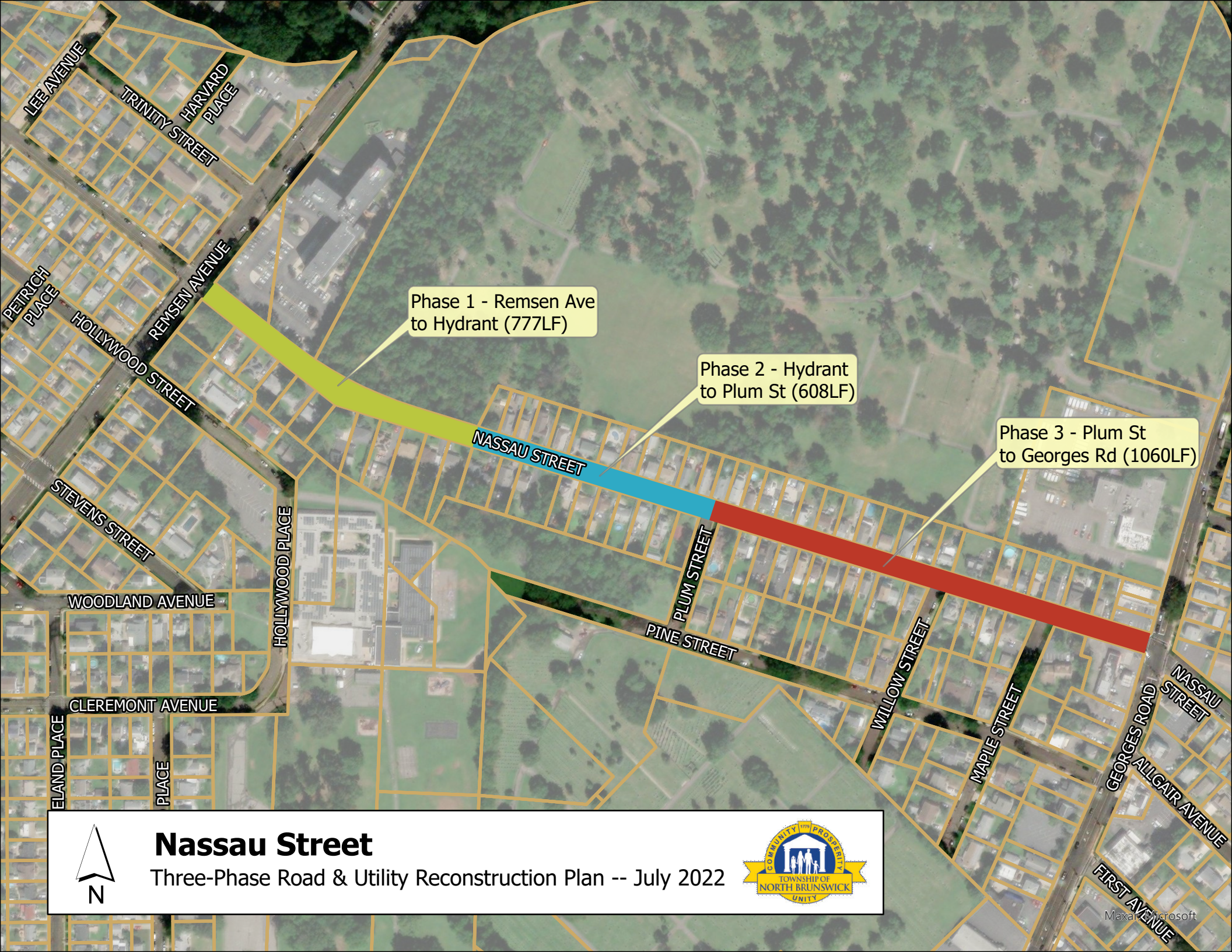
COUNCIL MEMBER	YES	NO	ABSTAIN	NOTES
MEHTA				
LOPEZ				
GUADAGNINO				
ANDREWS				
SOCIO				
DAVIS				
MAYOR WOMACK				

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 August 1, 2022.

Lisa Russo

Resolution # _____

Township Clerk



Phase 1 - Remsen Ave to Hydrant (777LF)

Phase 2 - Hydrant to Plum St (608LF)

Phase 3 - Plum St to Georges Rd (1060LF)



Nassau Street

Three-Phase Road & Utility Reconstruction Plan -- July 2022





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

June 2, 2022

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

**Re: Proposal for Professional Services for the
Nassau Street Improvements – Phase 1
Township of North Brunswick,
Middlesex County
Our File No.: PNO00657.01**

Dear Mr. Hritz:

Thank you for considering our Firm for the above referenced work and allowing us to submit this proposal for Professional Services associated with the above referenced Project.

INTRODUCTION

We have reviewed the scope of services for the Project, and we have visited the site in order to familiarize ourselves with the existing conditions within the project limits.

We understand that the scope of the proposed improvements includes the reconstruction of Nassau Street from the Remsen Avenue intersection to the location of an existing hydrant located approximately 775' +/- to the east between house nos. 824 and 826. Reconstruction generally consists of roadway excavation including the removal of the existing concrete base course and the installation of stone subbase, dense graded aggregate base course, hot mix asphalt base course, and hot mix asphalt surface course; the installation and/or removal and replacement of concrete curb, sidewalks, and driveway aprons; storm drainage improvements; water main replacement; sanitary sewer replacement; traffic striping and signage; maintenance and protection of traffic during the improvements; and associated work.



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The total construction cost for this Project has been preliminarily estimated at \$1,260,000.00+/-, which is dependent on the actual magnitude of improvements deemed necessary during the design phase. It should also be noted that there are reportedly extensive lead times on ductile iron pipe, which may also have an impact on the construction schedule and overall construction cost for the Project. Please find below an itemized breakdown of the estimated construction cost:

- Roadway reconstruction including storm sewer improvements \$910,000.00+/-
- Water Improvement \$220,000.00+/-
- Sanitary Sewer Improvements \$130,000.00+/-

Our proposal has considered the elements of the work outlined at our previous meetings, and our Firm has the capabilities of providing the necessary Land Surveying and Engineering Services associated with the Project.

SURVEY, BASE MAPPING, DESIGN, PERMITTING AND BIDDING PHASE

We anticipate that the Professional Services associated with this Project will consist of the necessary Topographic and Right-of-Way Survey, Base Mapping, Design, Permitting and Plan and Specification Preparation Services.

PHASE I DESIGN

TASK 1 - SURVEY AND BASE MAPPING

- A. Establish a balanced control survey, traverse line with recoverable ties. Basis of the horizontal and vertical control will be the New Jersey State Plane Coordinate System, NAD 1983 U.S. Survey Foot, and National American Vertical Datum of 1988, respectively. Permanent points (Capped Rebar, PK Nails, etc.) will be set along the control line. A minimum of four (4) horizontal and vertical control points will be established along the project limits. GPS methodology will be used to establish horizontal and vertical control.
- B. Preparation of a Topographic Plan showing natural and manmade features, including: existing above and, where possible, underground utilities, survey baseline (traverse line), spot elevations and contours at an interval of 1.00-foot within and adjacent to the project limits only. Topographic Plan will be compiled from field locations and edits. Plan will be drafted at a scale of 1" = 30'. The bandwidth shall not exceed 10-feet beyond the right-of-way line, if accessible.



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- C. As-builts of existing utilities will be prepared, if and where necessary, to support the design process.
- D. The Base Map is being prepared to facilitate the design process and shall be incorporated into the design set; a separate map of the surveying scope shall not be prepared in hard copy.
- E. Boundary Surveys required for the establishment or re-establishment of Right-of-Way, municipal, or property lines are excluded under this Proposal.
- F. Post construction record drawings are excluded under this Proposal.
- G. Traffic protection/control, if required, will be requested from the Township.

TASK 2 – DESIGN OF IMPROVEMENTS/PLAN AND SPECIFICATION PREPARATION

With regard to the Design Phase for the Project, we anticipate meeting with Representatives of the Township prior to commencing the design phase in order to review the project schedule and other preliminary issues. Plans will be prepared in Plan and Profile format. Specifications will be based on the 2019 NJDOT Standard Specifications for Road and Bridge Construction.

It should be noted that a portion of the sanitary sewer was previously reconstructed in conjunction with the 2013 Road Improvement Program. Accordingly, the anticipated sanitary sewerage system improvements include the removal and replacement of the system from a point 340'+/- from the easterly project limit to the existing manhole located between house nos. 854 and 860.

In addition to the Pre-design Meeting, we anticipate meeting with Representatives of the Township when the Plans are 75% complete. The Plans will be revised to comply with Township comments, and Preliminary Cost Estimates will be submitted for Township review at the 75% complete meeting.



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PHASE I COST PROPOSAL

Accordingly, based upon the above outlined Scope of Services, we find that the necessary Surveying, Base Map Preparation, Design, Plan and Specification Preparation Services can be provided for the lump sum fee indicated below based upon the following breakdown:

Task 1 – Surveying and Base Map Preparation	\$13,387.00
Task 2 – Design, Plans and Specifications	<u>\$88,467.00</u>
Phase I Subtotal	\$101,854.00

PHASE II – PERMITTING

Concerning the Permit Acquisition Phase of the Project, we anticipate submitting a complete application for each of the permits outlined below, and our Scope of Services will include one (1) plan revision to comply with review agency comments. In addition, we will submit the required application fees, and we understand the Township will reimburse these expenses to CME separate from this Contract.

We anticipate submitting the required applications for Soil Erosion and Sediment Control Plan Certification to the Freehold Soil Conservation District and RFA (Request for Authorization to discharge stormwater from a construction site) to the New Jersey Department of Environmental Protection as necessary, in accordance with the above Scope of Services.

In addition, we anticipate obtaining a Treatment Works Approval (TWA) from the Bureau of Construction and Connection Permits of the New Jersey Department of Environmental Protection for the replacement of the existing sanitary sewer main, if deemed necessary based upon the final design.

PHASE II COST PROPOSAL

Accordingly, based upon the above outlined Scope of Services, we find that the necessary Permit Application and Plan Preparation Services can be provided for the following lump sum fee:

Phase II Subtotal	\$8,025.00
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PHASE III BID PHASE SERVICES

We anticipate that Bid Phase Services will generally include the furnishing of 15 sets of Plans and Specifications prior to Advertisement for Bids, coordination with prospective Bidders during the Bid Period, issuance of any Addenda required, attendance at the Bid Opening, and the preparation of a Report recommending Award of the Project.

PHASE III COST PROPOSAL

Accordingly, based upon the above outlined Scope of Services, we find that the necessary Bid Phase Services can be provided for the lump sum fee indicated below based upon the following breakdown:

Phase III Subtotal	<u>\$9,868.00</u>
Phase I, II & III Total	\$119,747.00

SCHEDULE

Based upon the above Scope of Services and an authorization for design on June 27, 2022, we estimate the following Project Schedule:

Complete Survey and Base Mapping	Friday	Jul. 22, 2022
Preliminary Design Plans & Specifications	Friday	Sep. 9, 2022
Township Review	Friday	Sep. 16, 2022
Final Design	Friday	Oct. 7, 2022
Advertise for Bids	Wednesday	Oct. 12, 2022
Receive Bids	Thursday	Nov. 3, 2022
Award	Tuesday	Nov. 14, 2022

SUMMARY

Our hourly rates shall be firm until January 1, 2023 after which they may be subject to re-negotiation. Invoices shall be paid within 30 days of presentation of same. In accordance with State requirements our Affirmative Action Statement and Business Registration Certificate are currently on file with the Township.

Our contract documents will include wording that requires the Contractor to be responsible for all applicable OSHA and other regulatory agency requirements, as well as safety, construction means and methods, and the usual other requirements that are normally included in our



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Standard Specifications.

Our Proposal does not include subsurface investigations, the preparation of permits other than those listed that may be required for the proposed Project, or Right of Way / Easement acquisitions.


Our services do not include offsite stability analyses. Should it be determined that the same is necessary; we will perform said services based upon our hourly rates subject to authorization from the Township.

Our services do not include any traffic signal improvements at the signalized intersections within the project limits. Should it be determined that the same is necessary; we will perform said services based upon our hourly rates subject to authorization from the Township.

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

Very truly yours,

CME ASSOCIATES



Michael J. McClelland, PE
Township Engineer

MM:JW:GO:pd

Enclosures

cc: Justine Progebin, Business Administrator