

**A RESOLUTION OF THE TOWNSHIP COUNCIL OF NORTH BRUNSWICK
AUTHORIZING A CHANGE IN SCOPE TO
THE PROFESSIONAL SERVICE AGREEMENT WITH CME ASSOCIATES
APPOINTED AS THE 2024 TOWNSHIP CONSULTING ENGINEERING FIRM TO
INCLUDE SUPPLEMENTAL DESIGN AND BID PHASE SERVICES FOR THE
2024 ROAD IMPROVEMENT PROGRAM AND 2025 NJDOT APPLICATION FOR
SENECA ROAD IMPROVEMENTS**

WHEREAS, in January of 2024, pursuant to Resolution 10-1.24, CME Associates, of 3141 Bordentown Avenue, Parlin, NJ 08959, was authorized to provide engineering consulting services for calendar year 2024, 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 general engineering services in an amount not-to-exceed \$120,000.00; and

WHEREAS, the Department of Community Development is responsible for construction and improvements to various municipal streets, roads and curbing that make up the “Road Improvement Program”; and

WHEREAS, included within the Program are improvements to the water, sewer and/or stormwater distribution system lines as determined necessary; and

WHEREAS, municipal officials for the Department, have requested CME Associates to provide a proposal for supplemental services relating to the 2024 Road Improvements Program and Seneca Road Improvement as part of the 2025 application for New Jersey Department of Transportation Funding request; and

WHEREAS, compensation for said services shall be based upon the January 18, 2024 proposal submitted by CME Associates, to be paid upon submission of monthly invoices, for an amount not-to-exceed \$166,038.00 with a revised contract amount of \$286,038.00 for the following scope of work:

| | |
|--------------------------------------|----------------------------|
| Seneca Road Improvements | \$110,096.00 |
| <u>2024 Road Improvements</u> | <u>\$ 55,942.00</u> |
| Total | \$166,038.00 |

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, hereby certify that funds in the following account totaling \$166,038.00 are available under Contract PRO24042:

\$100,000.00 are available in General Capital Ordinance 23-16 account C-04-55-C23-233-902, and \$ 66,038.00 are available in Water Capital Ordinance 21-17 account C-06-55-C21-211-901.

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 | | | | |
| 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 6, 2024.

Lisa Russo
Township Clerk

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



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

January 18, 2024

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

**Re: 2024 Road Improvement Program
Proposal for Supplemental Services
for Seneca Road Improvements (MA 2024) and
Final Design and Bid Phase for the 2024 Road Improvement Program
Our File No.: PNO00659.04**

Dear Mr. Hritz:

Thank you for considering our Firm for the above referenced work and allowing us to submit this proposal for Supplemental Services associated with improvements to Seneca Road (MA2023) and the Final Design and Bid Phase Services for the 2024 Road Improvement Program.

SENECA ROAD IMPROVEMENTS - INTRODUCTION

We have reviewed the scope of services for Seneca Road, and we have visited the roadway in order to familiarize ourselves with the project limits.

We understand that the scope of the proposed improvements on Seneca Road generally consists of roadway excavation, the installation and/or removal and replacement of concrete curb, sidewalks and driveway aprons where necessary, furnishing and installation of stone subbase, dense graded aggregate base course, hot mix asphalt base course, hot mix asphalt surface course, storm drainage improvements, traffic striping and signage, maintenance and protection of traffic during the improvements, and associated work. Based upon the information provided by the Township the scope also includes water main replacement.

The total construction cost for Seneca Road has been preliminarily estimated at \$1,870,700.00, which is dependent on the actual magnitude of improvements deemed necessary during the design phase. Please find below an itemized breakdown of the estimated construction cost:

- | | |
|---|----------------|
| • Seneca Road Roadway & Drainage Improvements | \$1,387,700.00 |
| • Seneca Road Water Improvements | \$483,000.00 |

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.



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It should be noted that Seneca Road is anticipated to be bid under the 2025 Road Improvement Program. Accordingly, fees associated with the permitting, funding agency coordination, and bid phase services of Seneca Road are excluded from this proposal.

SURVEY, BASE MAPPING, AND DESIGN FOR SENECA ROAD IMPROVEMENTS

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

Additionally, we anticipate providing individual curb ramp details for proposed curb ramps throughout the project limits. Curb ramp details will be prepared at a suitable scale to provide ADA conforming curb ramps.

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.
- C. As-builts of existing utilities will be prepared, if and where necessary, to support the design process.
- D. Base Maps are 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.



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- E. Boundary Surveys required for the establishment or re-establishment of Right-of-Way, municipal, or property lines are excluded under this Proposal, except in those areas where easements are anticipated.
- 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. Seneca Road will be prepared in Plan and Profile format.

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.

SENECA ROAD IMPROVEMENTS COST PROPOSAL

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

| | |
|---|---------------------|
| Task 1 – Surveying and Base Map Preparation | \$11,696.00 |
| Task 2 – Design and Plan Preparation | <u>\$98,400.00</u> |
| Subtotal | \$110,096.00 |



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2024 ROAD IMPROVEMENT PROGRAM FINAL DESIGN - INTRODUCTION

The following supplemental services for the 2024 Road Improvement Program are required due to Final Contract Document Preparation, Permitting, and Bid Phase Services provided under our previous authorization for the 2024 Road Improvement Program for the Huron Road Improvements, which was bid separately as its own Contract:

- Wheeler Road Water Main Design
- Wheeler Road NJDOT Permitting Services
- Wheeler Road NJDOT Funding Agency Coordination
- Soil Erosion and Sediment Control Plan Certification
- Bid Phase Services

DESIGN, PERMITTING, FINAL CONTRACT DOCUMENT PREPARATION, AND BIDDING PHASE SERVICES FOR THE 2024 ROAD IMPROVEMENT PROGRAM

TASK 1 – WHEELER ROAD WATER MAIN DESIGN

During a site visit with representatives of American Water in April 2023, it was recommended that the water main on Wheeler Road should be replaced in conjunction with the roadway improvements. Accordingly, we anticipate preparing plans, specifications, and cost estimate for the replacement of the water main on Wheeler Road.

TASK 2 – NJDOT PERMITS

We anticipate obtaining the required Utility Opening Permit from the New Jersey Department of Transportation in accordance with the above Scope of Services. At this time, we anticipate the preparation of one (1) Utility Opening Permit application for the following intersection:

- Wheeler Road & US Route 130 (Water)

TASK 3 – FUNDING AGENCY COORDINATION

We anticipate submitting final plans, specifications, construction cost estimates, design certification and design exceptions for Wheeler Road in accordance with NJDOT State Aid guidelines for approval prior to bidding the Project.



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TASK 4 - SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

The costs associated with the Soil Erosion and Sediment Control Plan Certification Task for the original authorization for the 2024 Road Improvement was utilized for the Huron Road Improvements. Accordingly, we anticipate submitting the required applications for Soil Erosion and Sediment Control Plan Certification to the Freehold Soil Conservation District and 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.

TASK 5 – FINAL CONTRACT DOCUMENT PREPARATION

Final Contract Documents, including Bid Plans, Specifications, and a Pre-Bid Engineer's Construction Cost Estimate will be prepared for the 2024 Road Improvement Program, which consists of the following remaining candidate roadways from our original authorization:

- Cozzens Lane (curb and sidewalk between Delta Court and Wedgewood Drive);
- Resurfacing and partial reconstruction of Earl Court for the entire length;
- Resurfacing and partial reconstruction of Hidden Lake Drive from Nathan Drive to the first intersection of Upper Brook Drive;
- Resurfacing and partial reconstruction of Poplar Avenue for the entire length;
- Resurfacing and partial reconstruction of Princess Drive from the pavement joint of Princess Drive Phase 1 to a branch of Six Mile Run; and
- Reconstruction of Wheeler Road for the entire length.

Upon Township review and approval of the preliminary plans, final contract documents will be prepared accordingly.

TASK 6 - BID PHASE SERVICES

The costs associated with the Bid Phase Services for the original authorization for the 2024 Road Improvement was utilized for the Huron Road Improvements. Accordingly, we anticipate that Bid Phase Services will generally include the furnishing of 20 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.



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FINAL DESIGN 2024 ROAD IMPROVEMENT PROGRAM COST PROPOSAL

| | |
|---|--------------------|
| Task 1 – Wheeler Road Water Main Design | \$13,914.00 |
| Task 2 – NJDOT Permits | \$3,933.00 |
| Task 3 – Funding Agency Coordination | \$7,052.00 |
| Task 4 – Soil Erosion and Sediment Control Plan Certification | \$5,872.00 |
| Task 5 – Final Contract Document Preparation | \$15,296.00 |
| Task 6 – Bid Phase Services | <u>\$9,875.00</u> |
| Subtotal | \$55,942.00 |

COST PROPOSAL

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

| | |
|---|---------------------------|
| Seneca Road Improvements | \$110,096.00 |
| Final Design 2024 Road Improvement Program | <u>\$55,942.00</u> |
| Project Total..... | \$166,038.00 |

SUMMARY

Our hourly rates shall be firm until January 1, 2025 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 Standard Specifications.

Our Proposal does not include subsurface investigations or the preparation of permits other than those listed that may be required for the proposed Project. Only limited Right of Way / Easement acquisitions are included in this Proposal, if required, for minor improvements outside of the public Right-of-Way.



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Our services do not include downstream storm sewer capacity analyses, offsite stability analyses, or the evaluation of the condition of the existing sanitary sewer, storm drainage and/or water systems within the project area or for the design of new facilities unless indicated in this Scope of Services. 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:pb
Enclosures

cc: Justine Progebin, Business Administrator