

RESOLUTION NO. 2016-112

WHEREAS, the Township Council of the Township of Aberdeen is in need of professional engineering services associated with 2017 Road Improvement Program; and

WHEREAS, CME Associates submitted a proposal on August 31, 2016 for aforementioned engineering services.

NOW, THEREFORE, BE IT RESOLVED by the Township Council of the Township of Aberdeen that the Mayor And Clerk are authorized to execute an agreement with CME Associates for a cost not to exceed the sum of \$478,154.00, in accordance with a proposal dated August 31, 2016, attached hereto and made part of this resolution.

This agreement is made without competitive bidding as a “professional service” under the provisions of the Local Public Contracts Law, N.J.S.A. 40A:11-5(1)a(I).

BE IT FURTHER RESOLVED that this resolution is subject to the Township Manager’s certification of availability of Township of Aberdeen funds.



August 31, 2016

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Ms. Holly Reycraft
Township Manager
Township of Aberdeen
One Aberdeen Square
Aberdeen, New Jersey 07747

**Re: Proposal for Professional Services for the
2017 Road Improvement Program
Our File No. PAB00660.01**

Dear Ms. Reycraft:

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 reference Project.

INTRODUCTION

We have reviewed the scope of services for the Project, and we have visited the roadways in order to familiarize ourselves with the Project limits.

Based upon meetings and discussions with Township Representatives, we understand that the Township is considering the following improvements:

- Deborah Lane – Mill and Resurface
- Deerfield Lane (Drexel Lane to Deborah Lane – along Mohingson Creek) – Reconstruction
- West Concourse (from Greenwood Avenue to Greenwood Avenue) – Reconstruction

We understand that the scope of the proposed improvements generally includes roadway widening where necessary; the installation and/or removal and replacement of concrete curb; sidewalks and driveway aprons; curb replacement at each intersection including depressed curbs for curb ramps; installing ADA conforming curb ramps with detectable warning surfaces; traffic striping and markings; roadway excavation; pavement milling; storm drainage improvements; the installation of a dense graded aggregate subbase; hot mix asphalt base and surface course; and maintenance and protection of traffic during the improvements. We have preliminarily estimated the construction cost for this project at \$3,311,099.00, which is dependent on the actual magnitude of improvements deemed necessary during the design phase.

It is our understanding that the improvements proposed herein will be bid and constructed in conjunction with the County Road Improvements, the Church Street Water Main Extension and the West Concourse Water Main Improvements and our proposal has been prepared accordingly. Our proposal has considered the elements of the work as discussed with the Township, and our Firm has the capabilities of providing the necessary land surveying and engineering services associated with the Project.



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SURVEY, BASE MAPPING AND DESIGN FOR THE 2017 ROAD IMPROVEMENT PROGRAM

We anticipate that the Professional Services associated with the 2017 Road Improvement Program will consist of the necessary topographic survey and base mapping, design, permitting, plan and specification preparation for the proposed improvements on Deborah Lane, Deerfield Lane (Drexel Lane to Deborah Lane – along Mohingson Creek) and West Concourse (from Greenwood Avenue to Greenwood Avenue).

DESIGN PHASE SERVICES

PHASE I - DESIGN

TASK 1 - SURVEY, BASE MAPPING, AND SUBSURFACE EVALUATION

Concerning the survey and base mapping, we anticipate performing field surveys to establish existing right-of-way lines, baselines, locate topographic features, establish vertical control, and obtain cross-section data at 50' intervals along Deborah Lane, Deerfield Lane, and West Concourse within the defined project limits. Cross section elevations will be taken at the roadway centerline, at the top and bottom of curb, and will extend a distance of approximately 40' from the roadway centerline. Spot elevations will be taken, if and where required, in order to supplement the cross-section data, including elevations at driveways in order to eliminate potential conflicts.

We intend to prepare plan and profile base maps at a scale of 1" = 30', or other appropriate scale. Where possible the locations of existing utilities will be compiled and added to the plans, if and where necessary.

TASK 2 - DESIGN OF IMPROVEMENTS, PLANS AND SPECIFICATIONS

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.

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.

We will identify the locations of potential utility conflicts during the design phase and request that the utility companies provide test pit data for same.

In addition to the pre-design meeting, we anticipate meeting with representatives of the Township when the plans are 50% and 90% complete. The plans will be revised to comply with Township comments and preliminary cost estimates will be submitted for Township review at the 50% and 90% complete review meetings.





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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 specifications for Deborah Lane, Deerfield Lane, and West Concourse can be provided for the lump sum fee indicated below based upon the following breakdown:

Task 1 - Surveying and Base Map Preparation	\$23,875.00
Task 2 - Design, Plans and Specifications	<u>\$260,696.00</u>

Phase I Subtotal \$284,571.00

PHASE II – PERMIT ACQUISITION

Concerning the permit acquisition phase of the project, we anticipate submitting a complete application for 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.

TASK 1 - SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

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

PHASE II - COST PROPOSAL

Accordingly, based upon the above outlined Scope of Services, we find that the necessary permit application and plan preparation can be provided for the lump sum fee indicated below:

Phase II Subtotal \$8,936.00

PHASE III - BID PHASE SERVICES

We anticipate that Bid Phase Services will generally include the furnishing of twenty (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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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:

Phase III Subtotal	<u>\$6,444.00</u>
Phase I, II and III Total	\$299,951.00

CONSTRUCTION PHASE SERVICES

We will provide construction phase services based on our attached hourly rate schedule and the actual time necessary to provide these services since same could vary considerably depending upon the contractor awarded the Project and the final scope of work.

For budgeting purposes, we have preliminarily estimated the cost for anticipated **construction phase services at \$178,203.00**, based upon the required tasks and the anticipated contract completion time of 210 calendar days.

SUMMARY

Our hourly rates shall be firm until January 1, 2017 after which they may be subject to re-negotiation. Invoices shall be paid within 30 days of presentation of same.

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.

Please note that the above estimate does not include costs associated with easement and/or right of way acquisition mapping and metes and bounds descriptions for property acquisition, nor do they include bonding fees, or legal fees. In addition, the above costs do not include subsurface investigations.

Our proposal does not include permit fees or the preparation of permits other than those listed, nor does it include demonstration of offsite stability if required by the Freehold Soil Conservation District.

Your return of a signed copy of this proposal indicating your acceptance to the terms and conditions presented herein will represent your authorization for us to proceed.

\$ 478,154 -





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Thank you again for permitting our Firm to submit this proposal, and we look forward to serving your municipality.

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

Very truly yours,
CME ASSOCIATES



Michael J. McClelland, P.E.
Township Engineer's Office

ACCEPTED BY: _____

THIS _____ DAY OF _____, 2016

ATTESTED BY: _____

THIS _____ DAY OF _____, 2016

