



THELEN ASSOCIATES, INC.

Geotechnical • Testing Engineers

○ 1398 Cox Avenue / Erlanger, Kentucky 41018-1002 / 859-746-9400 / Fax 859-746-9408
✓ 2140 Waycross Road / Cincinnati, Ohio 45240-2719 / 513-825-4350 / Fax 513-825-4756
www.thelenassoc.com

© Copyright by Thelen Associates, Inc.
August 8, 2001

City of Mason
214 West Main Street
Mason, Ohio 45040

Attention: Mr. Kurt Seiler

Re: Proposal-Agreement J21075
Construction Review Services
Mason-Montgomery Road Widening
Mason, Ohio

Dear Mr. Seiler:

Pursuant to your request, we are pleased to submit to you this unit price proposal-agreement for construction review services in connection with the planned widening of Mason-Montgomery Road, Mason, Ohio.

We understand that the key aspects of our services will consist of review of placement of compacted fill, review of subgrade, asphalt and concrete testing.

The main objectives of our construction review services are as follows:

1. Perform laboratory Proctor moisture-density tests on representative fill soils.
2. Review fill areas after topsoil has been stripped to determine that the objectionable soils have been removed.
3. Witness proofrolling of exposed soils and designated any areas which may require undercutting. Areas above finished grade will be proofrolled

after they are cut to grade, and areas below finished grade will be proofrolled before compacted fill is placed.

4. Perform in-place field density tests for determination of degree of compaction.
5. Assist the Owner in determining that the earthwork is being carried out in general conformance with the plans and specifications and the intent of design.
6. To be available for consultation relative to soil and bedrock conditions.
7. Provide asphalt testing as specified by Client.
8. Provide quality control tests of air content, slump and test cylinders for cast-in-place concrete at specified intervals.
9. Submit daily reports relative to the construction review and testing activities on a weekly basis to City of Mason (two copies) and Contractor (one copy).

Our firm proposes to achieve these objectives by providing qualified personnel on the site continuously during placement of compacted fills, and intermittently during asphalt and concrete placement. Our personnel are supported by a staff of Registered Professional Engineers should problems of a technical nature develop.

Our field personnel will observe the work and perform the appropriate field tests. Our services do not include supervision, direction, superintending or the safety of the actual work of the Contractor, his employees and agents, and the Contractor should be so advised.

As with any manufactured product, there are statistical variations in its uniformity and the accuracy of tests to measure its qualities. As compared with other manufactured products, field construction usually has wider fluctuations in both product and test results. Thus, even with very careful observations and testing, it cannot be said that all parts of the product comply with the job requirements. Therefore, we propose to observe the progress of work we have agreed to be involved with, and will perform the tests consistent with the standards of the industry of our area at this time, from which we will develop a reasonable opinion as to whether the Contractor's work essentially complies with the job requirements. Items of non-compliance with the specifications shall be immediately reported orally to the Contractor and to the Client's field representative with written documentation to follow.

The locations and elevations of the field tests can be determined in accordance with their importance and with the accuracy and proximity of the provided survey control. Field density test locations and elevations are implied to be commensurate only with pacing and hand-level methods, unless otherwise indicated.

Our firm can provide personnel for the project upon the request of any of your field representatives. We require twenty-four (24) hours notice prior to providing field personnel to enable us to schedule the work efficiently.

The fee schedule for services discussed herein is outlined on the accompanying unit price proposal-agreement form. If this unit price proposal-agreement meets with your approval, please sign the proposal-agreement form and return a copy to the office marked on the letterhead to serve as our authorization to proceed. If you prefer to issue a Purchase Order, please reference this proposal-agreement.

Enclosed herewith is a reprint of "Important Information About Your Geotechnical Engineering Proposal" published by ASFE, Professional Firms Practicing in the Geosciences, which our firm would like to introduce to you at this time. Additionally, we have enclosed a memorandum presenting the "Scope of Engineering Technician's

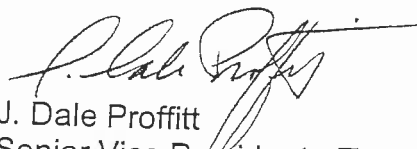
Services" published by the Geotechnical Group of the Cincinnati Section of the American Society of Civil Engineers (ASCE) for your review.

We thank you for this opportunity to provide our unit price fee schedule for the proposed construction review services. We look forward to being of service to you for the referenced project. If you have any questions concerning the enclosed information, or if we may be of any other service to you, please do not hesitate to contact us.

Respectfully submitted,
THELEN ASSOCIATES, INC.



Nancy M. Niemeyer
Marketing Services Manager



J. Dale Proffitt
Senior Vice President - Treasurer

Enclosures: ASFE Information
ASCE Information



THELEN ASSOCIATES, INC.

Geotechnical • Testing Engineers

○ 1398 Cox Avenue / Erlanger, Kentucky 41018-1002 / 859-746-9400 / Fax 859-746-9408
✓ 2140 Waycross Road / Cincinnati, Ohio 45240-2719 / 513-825-4350 / Fax 513-825-4756
www.thelenassoc.com

PROPOSAL • AGREEMENT

Client: City of Mason
214 West Main Street
Mason, Ohio 45040
Attention: Mr. Kurt Seiler

© Copyright by Thelen Associates, Inc.
Date: August 8, 2001

Page 7 of 8

Project: Construction Review Services, J21075
Mason-Montgomery Road Widening
Mason, Ohio

It is hereby mutually agreed by and between Thelen Associates, Inc., Geotechnical Engineers, hereinafter called Thelen, and the aforementioned Client, that Thelen shall furnish the following technical and/or professional services for payment by the Client in accordance with the 26 general conditions (see previous pages) and the fee schedule contained herein:

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT COST</u>	<u>UNIT</u>
<u>Service Items for Soils Field Density Testing Services</u>			
359	Services of Staff Technician (no minimum charge)	\$28.75	Hour
361	Overtime for Staff Technician (over 8 hours per day and weekend work)	\$37.50	Hour
363	Nuclear density equipment rental (maximum \$40.00 per day)	\$5.00	Hour
362	Services of Testing Manager	\$57.50	Hour
399	Mileage for testing personnel	\$0.45	Mile
<u>Service Items for Soils Laboratory Testing Services</u>			
527	Natural moisture content test	\$7.15	Each
528	Atterberg limits test	\$45.25	Each
542	Sieve analysis, washed	\$50.95	Each
545	Standard Proctor moisture-density test, ASTM D-698	\$105.00	Each
<u>Service Items for Asphalt Testing Services</u>			
359	Services of Staff Technician (no minimum charge)	\$28.75	Hour
361	Overtime for Staff Technician (over 8 hours per day and weekend work)	\$37.50	Hour
369	Nuclear density equipment rental, asphalt (maximum \$40.00 per day)	\$5.00	Hour
571	Maximum specific gravity of asphalt (Rice test)	\$90.00	Each
572	Asphalt extraction, gradation and ash correction	\$115.00	Each
573	Density of asphalt core	\$35.00	Each
377	Asphalt core	\$66.00	Each

Continued

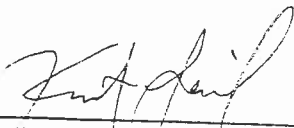
<u>ITEM</u>	<u>DESCRIPTION</u>	<u>UNIT COST</u>	<u>UNIT</u>
<u>Service Items for Concrete Testing Services</u>			
487	Concrete test cylinder made, picked up and tested by Thelen personnel (includes fabrication of cylinder, slump test, compression test, travel time and mileage), 3 or 4 cylinders per set	\$20.00	Each Cyl.
435	Air content determination test	\$15.50	Each
451	Concrete curing box rental (if not provided by Contractor)	\$4.15	Day
459	Services of Concrete Technician for standby or performing additional tests	\$28.75	Hour
<u>Optional Service Items for Concrete Testing Services</u>			
459	Services of Concrete Technician to fabricate concrete test cylinders, perform slump test, temperature reading, pick-up cured cylinders and travel time (plus Item 437)	\$28.75	Hour
437	Concrete cylinder compression test	\$10.00	Each Cyl.
499	Mileage for testing personnel	\$0.45	Mile
435	Air content determination test	\$15.50	Each
451	Concrete curing box rental (if not provided by Contractor)	\$4.15	Day

Contact Person: Mr. Kurt Seiler

Telephone No.: 513-573-3335 Cellular No.: 513-259-3334 Fax No.: 513-398-8146

The accompanying letter dated August 8, 2001, by Thelen Associates, Inc. supports this proposal-agreement and is made a part hereof.

If the specific conditions, services, fee schedule and 26 general conditions (see previous pages) for this project are acceptable to you, please sign where noted below and return a copy to the office marked on the letterhead. This will also serve as our authorization to proceed.

Accepted: 

Authorized Signature
City of Mason

Respectfully submitted,
THELEN ASSOCIATES, INC.

Date: 8-10-2001



Nancy M. Niemeyer
Marketing Services Manager