

ORDINANCE NO. 99-123

**AUTHORIZING THE CITY MANAGER TO ENTER INTO A CONTRACT WITH TESTECH CONSTRUCTION TESTING & INSPECTION SERVICES FOR THE INSPECTION SERVICES NECESSARY FOR THE I&O BRIDGE REPLACEMENT AND MASON-MONTGOMERY ROAD WIDENING PROJECT**


BE IT ORDAINED by the Council of the City of Mason, Ohio, **seven (7)** members elected thereto concurring:

Section 1. That the City Manager is hereby authorized to enter into a contract with Testech Construction Testing & Inspection Services for the inspection services necessary for the I&O Bridge Replacement and Mason-Montgomery Road Widening Project, in accordance with the proposal submitted by Testech Construction Testing & Inspection Services, which proposal is attached hereto as Exhibit "A" and incorporated herein by reference.

Section 2. That the Finance Director is hereby authorized to pay said Testech Construction Testing & Inspection Services an amount not to exceed \$34,000.00 for said inspection services.

Section 3. That this Ordinance shall take effect and be in force from and after the earliest period allowed by law.

Passed this 23rd day of August, 1999.

  
\_\_\_\_\_  
Mayor

Attest:

  
\_\_\_\_\_  
Clerk of Council

7/30/99

Geotechnical Engineering &  
Environmental Services



Construction Testing &  
Inspection Services

August 11, 1999

Mr. David Riggs, Assistant City Engineer  
City of Mason  
214 West Main Street  
Mason, Ohio 45040

Re.: **Construction Materials Testing & Inspection Services**  
**For The I & O Railroad Bridge Replacement Project in Mason, Ohio**  
TesTech Proposal No.: T99- 216 Revised

Dear Mr. Riggs:

TesTech Inc. is pleased to submit this revised proposal for providing **construction materials testing & inspection services** for the above-referenced project. Enclosed please find our unit rate fee schedule for Materials Testing and Inspection Services.

An experienced certified engineering technician will be utilized to perform all necessary inspection, testing, and reporting for the I & O railroad bridge replacement project. Our inspection and testing will be performed in accordance with applicable ASTM procedures in conjunction with Ohio D.O.T Construction and Materials Specifications and the City of Mason Standards. Also, we will assign an engineer to direct TesTech's work on the project. TesTech utilizes state-of-the-art-technology for laboratory soils and concrete testing and analysis.

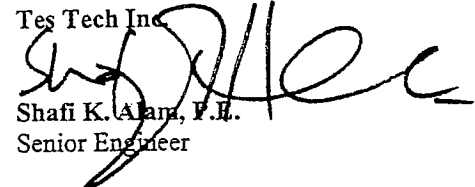
**Scope of Service:**

Construction Inspection: (Water Main, Sanitary Sewer, Storm Drain, Curbs, and Pavements etc.)  
Report Generation  
Construction Quantity Itemization  
Pile Driving Inspection

Based on our conversation we estimated fees for our services approximately \$ 34,000.00 (\$1,300.00 per week & 40 hours per week).

We appreciate your consideration of TesTech for this work and look forward to assisting you on this and future projects.

Sincerely yours

Tes Tech Inc.  
  
Shafi K. Alani, P.E.  
Senior Engineer

Attachments:

Fee Schedule for Construction Material Testing Services  
Work Authorization Sheet  
Scheduling Special Terms and Conditions  
Resumes

PROJECT: 280 Railroad Bridge Replacement Project  
PROPOSAL NO: 199-246 revised  
DATE: 8-11-99

SPECIAL TERMS AND CONDITIONS  
Construction materials testing and inspection services

**SCHEDULING:** TesTech should be notified before 4 p.m. the day before our services are required for the scheduling or cancellation of services. After that time, we will make every effort to schedule or cancel, but can not guarantee.

In the event the TesTech technician has been sent to the site as schedule, and the required inspection is cancelled without notification to TesTech of this cancellation prior to the departure of our personnel from our office, a minimum charge will be assessed from technician time and transportation at their unit rates stated above.

TesTech should be notified for shop inspection (Structural Steel) before any fabrication. Welder's certification should be available for review. TesTech should be notified for field bolt tension and joist bearing inspection at the start of erection and no less than 48 hours prior to metal deck placement.

**BILLING:** Hourly rates will be billed in half hour increments. Technician time will be billed portal to portal with a ~~2~~ hour minimum and a mileage fee (as noted on the Unit Rate Fee Schedule). Technician's time in excess of 8 hours or scheduled on holidays, Saturdays, and Sundays will be billed at an overtime rate ( 1.5 times of regular unit fee).

TesTech will not bill for secretarial and typing tasks. TesTech will bill 0.10 hour Project Engineer time on each field technician work hour for reviewing field reports.

Three copies of the report will be distributed and mailed in accordance with your instructions. Additional copies will be billed at the rate of \$ 0.10 per sheet. Courier service delivery of reports requested by client, will be charged at cost + 15%.

TesTech proposals are valid for 60 days from the date of issuance. After that TesTech will have options to conduct the services for the rates originally quoted, negotiate a new schedule of services and fee with potential client, or forfeit the work.

**OTHER:** TesTech requests a copy of the approved structural plans, shop drawings, and specifications before construction starts for our use.

The client holds TesTech harmless for delays in construction caused by unanticipated conditions at the subject project. These delays may require TesTech to dispatch an Engineer at the earliest possible time to assess the conditions and provide corrective recommendations.

Please be advised that TesTech reserves the right to withhold all reports until such time as we receive a signed proposal or other written authorization to proceed with the work as outlined herein.

Declarations for compacted fill in buildings and roadways will be provided for those areas identified by a certified site grade stake out and monitored on a full time basis by our office. These declarations will be in effect for 90 days after completion of fill operations monitored by this office. Delay in starting actual construction improvements may be cause for this office to perform additional tests at the client's expense to verify that conditions remain unchanged from the last day of TesTech's full time soil fill control inspection.

# CONSTRUCTION QUALITY CONTROL

## FIELD SERVICES:

### Earthwork and Asphalt Testing and Inspection

Senior Technician - to perform: Per hour 28.50

- 1 - Deep Foundation Inspection
- 2 - Subgrade Inspection
- 3 - Shallow Foundation Inspection
- 4 - Monitoring and Testing of Controlled Fills
- 5 - Field Monitoring of Asphalt Placement Including  
Temperature and Compaction
- 6 - Asphalt Batch Plant Inspection

### Concrete Testing and Inspection

Senior Technician - to perform: Per hour 28.50

- 1 - Field Monitoring of Concrete Placement
- 2 - Molding of Concrete, Mortar and/or Grout  
Test Cylinders
- 3 - Slump, Air, Temperature, and Unit Weight  
of Concrete.

### Structural Steel and Fireproofing Testing and Inspection

Certified Welding Inspector Per hour 50.00

Senior Technician - to perform: Per hour 35.00

For Shear Stud, Bolted Connection and  
Fireproofing Inspection

### Travel and Equipment Charges

Mileage	Per mile	0.37
Nuclear Densitometer	Per day	30.00
Dipstick (Ff/Fl)	Per day	150.00

## Construction Quality Control (cont.)

### LAB SERVICES:

#### Soils Testing

1 - Moisture Density Relationship of Soils		
Standard Proctor (ASTM D-698)	Each	115.00
Modified Proctor (ASTM D-1557)	Each	125.00
2 - Sieve Analysis		
Unwashed (ASTM D-422)	Each	45.00
Washed (ASTM D-1140)	Each	60.00
3 - CBR (ASTM D-1883)	Each	225.00
4 - Liquid and Plastic Limit (ASTM D-4318)	Each	50.00
5 - Particle Size Analysis (ASTM D-422)	Each	50.00
6 - Loss On Ignition	Each	45.00
7 - Moisture Content/Penetrometer (ASTM 2216/4643)	Each	9.00
8 - One Point Proctor Verification	Each	65.00
9 - Sample Preparation	Each	No Charge

#### Concrete Testing

1 - Compression Testing	Each	8.00
2 - Concrete Cylinder Molds (empty)	Each	5.00
3 - Mix Design Verification	Each	200.00
4 - Aggregate Testing Including gradation, fineness modules, absorption, specific gravity and unit weight	Each	150.00
5 - Preparation and Testing of Concrete Cores	Each	20.00

#### Asphalt Testing

1 - Quantative Extraction	Each	95.00
2 - Marshall Stability and Flow	Set of 3	150.00
3 - Density and Thickness of Core	Each	25.00

#### Fireproofing Material

1- Density	Each	20.00
------------	------	-------

#### Engineering Services

1 - Principal Engineer	Per hour	89.00
2 - Project Engineer	Per hour	79.00
3 - Staff Engineer	Per hour	69.00
4 - Floor Flatness Technician	Per hour	35.00