



May 31, 2024

Mr. Tucker Stuart, P.E.
Construction Engineer
Baldwin County Highway Department
Post Office Box 220
Silverhill, AL 36576

Subject: Baldwin County Highway Department
HW22026 Sherman Road Drainage Improvements
Construction Engineering Inspection, Dynamic Load Test and Construction Materials Testing
Proposal

Dear Mr. Stuart,

Thompson Engineering is pleased to present this proposal for Construction Engineering and Inspection (CE&I) and Construction Materials Testing (CMT) during construction of the Sherman Road Drainage Improvements - HW22026 in Baldwin County, Alabama.

Background and Understanding

The project will consist of removal of existing bridge and replacement with a new bridge to include subsequent roadway improvements.

Proposed Scope of Work

Thompson Engineering will perform the following Construction Engineering and Inspection (CE&I) services for the project:

- Assist the County in hosting a pre-construction conference with the contractor, sub-contractors and any other required parties
- Perform routine field monitoring and inspection during construction to ensure that plans and specifications are being followed by the contractor.
- Generate monthly pay estimates for work completed by the contractor
- Assist the County in holding a final inspection
- Prepare and provide final estimate and close-out documentation to the County, including "As-Built" drawings.
- Utilized staff and duties will be as follows:
 - Field Inspector
 - Communication with contractors on site personnel regarding operations
 - Traffic Control Monitoring and Documentation
 - Complete daily reports documenting construction activities with daily quantities
 - Keep field books of pay items as well as as-built plans up to date

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- Report monthly quantities to the Project Manager for monthly estimates
- Concrete Field Testing – Air content, temperature, slump, making and delivering test cylinders to Thompson Engineering laboratory.
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 - Senior Project Manager
 - Schedule Thompson personnel to perform inspection and testing of work
 - Compile quantities for monthly estimates
 - Perform site visits to monitor project progress
 - Office Manager
 - Compile test reports and complete monthly and final estimates

Thompson Engineering will perform the following Construction Materials Testing (CMT) required for the project:

- Soil Laboratory Testing - Obtaining and testing soil samples necessary for analysis and compaction requirements
- Compaction Testing - As required
- Perform compressive test on the concrete cylinders

Thompson Engineering will perform the following Geotechnical Engineering services required for the project:

- Dynamic Load Test and Restrike – Gather field data from pile driving, restrike and static load test and provide production pile driving criteria.

Compensation

The attached man-day fee proposal for CE&I services includes daily rates for Project Manager, Field Inspector and Office Manager. Fee for this phase will be billed on a time and materials basis for a not to exceed of \$179176.00 as shown.

The attached fee proposal for CMT services will be billed on a time and materials basis for a not to exceed of \$2,376.00

The attached fee for the Geotechnical Engineering services associated with the dynamic pile load test would be billed as a professional service for the PDA and CapWap results. The Thompson Engineering Geotechnical Engineering review and pile load test results would be billed a on a time and materials basis. This work would not exceed \$ 7,600.00.

Total not to exceed fee for this project will be \$181,552.00. If you choose to run the dynamic load test, the total not to exceed for the project would be \$189,152.00

Thompson Engineering appreciates the opportunity to be of service to the Baldwin County Highway Department. Should any questions or comments arise regarding this proposal, please advise.

Sincerely,

THOMPSON ENGINEERING, INC.



Charlie Weston
Team Lead

Enclosures

Project No. HW22026 - Drainage Improvements on Sherman Road
County Baldwin
Description Bridge Replacement, Base, Grade, Pave
 0
Scope of Work Construction Engineering and Inspection Services
Consultant Thompson Engineering

Proposed Man-Days	Senior Project Manager	Senior Inspector	Level II Inspector	Level I Inspector	
Task 1: Construction Engineering and Inspection	14.00	195.00	48.00	16.00	
TOTALS	14.00	195.00	48.00	16.00	

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Fee Proposal (Construction Engineering and Inspection)

PERSONNEL COST

	Man-days x Daily Rate		
Senior Project Manager	14.00	\$ 400.00	\$ 5,600.00
Senior Inspector	195.00	\$ 241.28	\$ 47,049.60
Level II Inspector	48.00	\$ 178.00	\$ 8,544.00
Level I Inspector	16.00	\$ 145.20	\$ 2,323.20
Total Direct Labor			\$ 63,516.80
Combined Overhead (%)	139.61		\$ 88,675.80
Out-of-Pocket Expenses**			\$ 10,452.00
Sub-Total			\$ 162,644.60
Profit (10%)			\$ 16,264.46
Sub-Total			\$ 178,909.06

SUB-CONSULTANTS (attach man-day & fee FROM each sub-consultant; show total fee for each here)

		\$ -
		\$ -
		\$ -
		\$ -
		\$ -
		\$ -
		\$ -
Subconsultant Administration Expense (5%)		\$ -
Sub-Total		\$ 178,909.06

Facilities Capital Cost of Money (% of Direct Labor)	0.420		\$ 266.77
TOTAL FEE			\$ 179,175.83

**See Grand Total Fee sheet

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Out-of-pocket Expenses (CE&I)

TRAVEL COST				
Mileage Cost	Trips	Miles/Trip	\$/Mile	Total
Construction Engineering and Inspection	195	80	\$0.670	\$ 10,452.00
Total Mileage Cost				\$ 10,452.00

Total Out-of-pocket Expenses	\$ 10,452.00
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Comments:

Construction Materials Testing (CMT) Fee Proposal

Description	Unit	Estimated Quantity	Unit Fees	Subtotal
Project Manager	Hour	2	\$110.00	\$220.00
Field Technician Level III	Hour	12	\$68.00	\$816.00
Administrative Level I	Hour	4	\$67.00	\$268.00
Standard Proctor (ASTM-D698, Method A&B)	Each	2	\$86.00	\$172.00
Modified Proctor (ASTM-D1557, Method C&D)	Each	2	\$145.00	\$290.00
200 Wash (ASTM-D1140)	Each	2	\$35.00	\$70.00
Compressive Strength of Concrete Cylinders (ASTM C-39)	Each	36	\$15.00	\$540.00
Not to Exceed Project Budget				\$2,376.00

Geotechnical Engineering Fee Proposal

Description	Unit	Estimated Quantity	Unit Fees	Subtotal
Dymanic Load Test, Restrike, and CapWap Analysis (2 trips)	LS	1	\$7,600.00	\$7,600.00
Processing the Data and Providing a Load Test Report				
Not to Exceed Project Budget				\$7,600.00