

ESTIMATED MAXIMUM FEE FOR TESTING SERVICES

Project Name:

City of ██████████ Sidewalk Project

MDOT Project No.

STP: ██████████ (001)LPA/10 ██████████ -701000

Testing Firm Name:

██████████

MDOT District Material Engineer Approval Date for the S&T Report

██████████

Overhead Rate
Profit

██████████ %
██████████ %

Classification	Raw Wage Rate	Audited OH Rate	Profit	Regular Billing Rate
Project Manager	\$ ██████████	\$ ██████████	\$ ██████████	\$ ██████████
Project Engineer	\$ ██████████	\$ ██████████	\$ ██████████	\$ ██████████
Admin. Assistant	\$ ██████████	\$ ██████████	\$ ██████████	\$ ██████████
Sr. Field Insp.	\$ ██████████	\$ ██████████	\$ ██████████	\$ ██████████

LABOR COSTS

	Hours	Regular Billing Rate	Total
Project Manager	2	\$ ██████████	\$ ██████████
Project Engineer	4	\$ ██████████	\$ ██████████
Admin. Assistant	8	\$ ██████████	\$ ██████████
Sr. Field Insp.	96	\$ ██████████	\$ ██████████

SUBTOTAL - LABOR COSTS

110 \$ ██████████

FIELD AND LABORATORY

	Quantity	Unit	Unit Cost	Total Cost
Laboratory Compaction and bulk specific gravity (T99 or T180 and T224)	1	Each	\$ ██████████	\$ ██████████
Laboratory Compaction (T99 or T180)	2	Each	\$ ██████████	\$ ██████████
Atterberg Limits T 89 and T 90	2	Each	\$ ██████████	\$ ██████████
Grain Size Analyses(+ #200) T 88	2	Each	\$ ██████████	\$ ██████████
Other - cylinder testing (Nine Sets of two cylinders total for 825 cu yds)	18	Each	\$ ██████████	\$ ██████████
Other - soil density (Nuclear Gauge Rental)	5	Day	\$ ██████████	\$ ██████████

SUB-TOTAL - FIELD AND LABORATORY

\$ ██████████

EXPENSE ITEMS

	Quantity	Unit	Rate	Total Cost
Automobile Travel (Estimated 24 Trips at 45 miles R/T from Gulfport to Bay St. Louis)	1080	Miles	\$ ██████████	\$ ██████████

SUB-TOTAL - EXPENSE ITEMS

\$ ██████████

TOTAL PROPOSED FEE

\$ ██████████

NOTES:

The above quantities are based on the contractor production estimates provided by MDOT. One 2-hr trip was estimated to pick up all soil samples required for the project. It was estimated that the contractor will have approximately 2000 feet of sidewalk prepared for density testing on each trip requiring only five 4-hr trips. For 825 yards of concrete, nine 4-hr trips will be required for concrete testing, making only one set of two cylinders per trip (18 cylinders). Nine 2-hr trips will be required for cylinder pickups.

Senior Field Inspector Trip and Hourly Summary

Description	Trips	Hours/Trip	Hours
Soil Sample Pickup	1	2	2
Density Testing	5	4	20
Concrete Testing	9	4	36
Concrete Cylinder Pickup	9	2	18
Totals	24		76

Concrete testing is estimated to be nine sets of two cylinders because the total estimated quantity from the engineer was 825 cubic yards, and according to small project guidelines, only sampled every 100 yards. This ends up being 8.25 sets of cylinders which was rounded up to 9 sets of two cylinders giving 18 cylinders.

Out of 24 trips, 9 would be for cylinder pick ups leaving 15 trips with reports. We estimate that the project engineer and administrative assistant will spend 1/4 hour (15 minutes) and 1/2 hour (30 minutes), respectively, per report (approximately 4 hours for project engineer and 8 hrs administrative assistant). The project manager will spend about 1/2 the time the project engineer will spend periodically checking reports (2 hours).