

OFFICE OF STATE AID ROAD CONSTRUCTION			S.O.P. NO. SA II-3-4
STANDARD OPERATING PROCEDURES			Page 1 of 4
Subject: S.O.P. SCHEDULE OF UNIT COSTS FOR TESTING AND SAMPLING BY COUNTY/LSBP ENGINEERS			Distribution A, B, C, D, E
EFFECTIVE March 15, 2007	ISSUED March 15, 2007	SUPERSEDES Page 1 of 4 S.O.P. NO. SAD II-3-4 EFFECTIVE: April 27, 2007	APPROVED J. Brooks Miller, Sr. STATE AID ENGINEER

PURPOSE: To Establish A Schedule of Unit Costs for Testing and Sampling of Materials by County/LSBP Engineers.

1. The following unit costs are to be used in charging projects for testing and sampling. Billing of charges will be made on Office of State Aid Road Construction Form "Invoice for Testing Services Performed on State Aid or Federal Aid Projects" , latest revision.
2. All testing and sampling charges must be accompanied by documentation (Test Reports, Time and Mileage Sheets, etc.) when submitted for payment.

OFFICE OF STATE AID ROAD CONSTRUCTION			S.O.P. NO. SA II-3-4
STANDARD OPERATING PROCEDURES			Page 2 of 4
Subject: S.O.P. SCHEDULE OF UNIT COSTS FOR TESTING AND SAMPLING BY COUNTY/LSBP ENGINEERS			Distribution A, B, C, D, E
EFFECTIVE March 15, 2007	ISSUED March 15, 2007	SUPERSEDES Page 2 of 4 S.O.P. NO. SAD II-3-4 EFFECTIVE: April 27, 2007	APPROVED J. Brooks Miller, Sr. STATE AID ENGINEER

SCHEDULE OF UNIT PRICES FOR SAMPLING AND TESTING MATERIALS

CODE
NO.

BITUMINOUS CONSTRUCTION

010	Bituminous Mix Extraction	\$ 135.00
011	Bituminous Stability (MT-34, T-245).	50.00
012	Roadway Core Specific Gravity & Laboratory Density (T-166)...	21.00
013	Roadway Density (Nuclear Gauge)(MT-16).	30.00
014	Max. Specific Gravity (Asphalt Mix)(T-209).	75.00
015	Water Content (Asphalt Mix)(T-110)...	32.00
016	Asphalt Content Using Nuclear Gauge (MT-6).	35.00
017	Tensile Strength Ratio (MT-63).	400.00
018	Cationic Emulsions Project Sample.	170.00
019	PG Asphalt Binder Stock/Split Sample.	525.00
020	Gyratory Compaction Lab Density...	80.00
021	Bituminous Mix Design Transfer Or Modification.	45.00
022	Verification of Contractor's Asphalt Mix Design (Virgin Materials).	1,200.00
023	Verification of Contractor's Asphalt Mix Design (with RAP)...	2,000.00
024	Review of Contractor's Mix Design.	125.00
025	PG Asphalt Binder Project Sample (DSR)...	100.00
026	Brookfield Viscometer for Liquid AC.	60.00
027	Anionic Emulsions Project Sample.	40.00
028	Cutback Asphalt Project Sample.	40.00
029	Viscosity Graded Asphalts Project Sample.	75.00
030	Emulsified Prime Project Sample...	40.00

SOILS: (-10 MATERIALS) EMBANKMENTS, BORROW, ETC.

110	Gradation, Dry Sieve Analysis plus, if needed, the 2-hour hydrometer test for clay and silt content (T-87, T-88, MT-22, MT-23)...	\$ 185.00
111	Dry Sieve Analysis (Minus 200 only)(MT-22).	65.00
112	Atterberg Limits (Plus SF & VC)(T-89, T-90, T-92)...	85.00
113	Specific Gravity (MT-24)...	40.00
114	Std. Proctor Density (T-99, MT-8)...	275.00
115	Field Density (MT-16) or (MT-10).	40.00
116	Liquid Limit (Material Non-Plastic) (T-89)...	30.00
117	Plastic Limit (T-90).	15.00
118	pH Determination*...	45.00
119	Gradation*...	75.00
120	Loss by Ignition*...	25.00

OFFICE OF STATE AID ROAD CONSTRUCTION			S.O.P. NO. SA II-3-4
STANDARD OPERATING PROCEDURES			Page 3 of 4
Subject: S.O.P. SCHEDULE OF UNIT COSTS FOR TESTING AND SAMPLING BY COUNTY/LSBP ENGINEERS			Distribution A, B, C, D, E
EFFECTIVE March 15, 2007	ISSUED March 15, 2007	SUPERSEDES Page 3 of 4 S.O.P. NO. SAD II-3-4 EFFECTIVE: April 27, 2007	APPROVED J. Brooks Miller, Sr. STATE AID ENGINEER

121	Soil-Lime-Fly Ash Design.	600.00
122	Soluble Sulfate in Soil.	125.00
123	Soluble Sulfate in Water.....	50.00

*Plating Material or Topsoil

AGGREGATES: (No PLUS 4 MATERIAL) TOPPING, ETC.

220	Granular Material (No plus 4 material): Gradation, Dry Sieve Analysis (T-87, MT-22).	\$ 160.00
221	Dry Sieve Analysis (One Sieve Only Check)(T-87, MT-22).....	55.00
222	Std. Proctor Density (Untreated Material)(T-99, MT-8).	125.00
223	Std. Proctor Density (Treated Material)(T-134, MT-9).	200.00
224	Soil-Cement Design (MT-25).....	600.00
225	Field Density (MT-16) or (MT-10).	40.00
226	Atterberg Limits.	50.00
227	Liquid Limit (Material Non-Plastic) (T-89).....	30.00
228	Plastic Limit (T-90).	15.00

AGGREGATES: (PLUS 10 MATERIAL) CLAY GRAVEL, SEMI-GRAVEL, ETC.

330	Granular Material (With plus 10 material): Gradation, Dry Sieve Analysis (T-87, MT-22)	\$175.00
331	Granular Material (With plus 10 material): Gradation, Dry Sieve analysis of plus 10 material only (T-87, MT-22).	160.00
332	Std. Proctor Density (Untreated Material)(T-99, MT-8).	175.00
333	Std. Proctor Density (Treated Material)(T-134, MT-9).	250.00
334	Soil-Cement Design (MT-25).....	650.00
335	Field Density (MT-16) or (MT-10).	40.00
336	Atterberg Limits.	50.00
337	Liquid Limit (Material Non-Plastic) (T-89).....	30.00
338	Plastic Limit (T-90).	15.00
339	Dry Sieve Analysis (One Sieve only check of plus 10 material) (Check stabilized Base, etc.).....	60.00

OFFICE OF STATE AID ROAD CONSTRUCTION			S.O.P. NO. SA II-3-4
STANDARD OPERATING PROCEDURES			Page 4 of 4
Subject: S.O.P. SCHEDULE OF UNIT COSTS FOR TESTING AND SAMPLING BY COUNTY/LSBP ENGINEERS			Distribution A, B, C, D, E
EFFECTIVE March 15, 2007	ISSUED March 15, 2007	SUPERSEDES Page 4 of 4 S.O.P. NO. SAD II-3-4 EFFECTIVE: April 27, 2007	APPROVED J. Brooks Miller, Sr. STATE AID ENGINEER

GRADATIONS: (SIEVE ANALYSIS)

440	Cover, Seal, Asphalt Aggregates (T-27, MT-22).....	\$ 40.00
441	Stabilizer Aggregate (T-27, MT-22).....	25.00
442	Coarse Aggregate for Concrete (T-27, MT-22).....	45.00
443	Fine Aggregate for Concrete (T-27, MT-22).....	45.00
444	Aggregates (All Types Shipped by Truck) Inspection and Testing per cubic yard.....	0.50
445	Aggregate (All Types Shipped by Rail Car) Inspection and Testing per car.....	25.00
446	Aggregate Abrasion.....	100.00

MISCELLANEOUS

550	Concrete Cylinders, Compressive Strength.....	\$20.00
551	Soil-Cement Cylinders, Compressive Strength.....	30.00
552	Soil-Cement Cores (Height, Compressive Strength).....	50.00
554	Concrete Mix Design, Transfer.....	125.00
555	Concrete Mix Design, Contractor's Verification.....	125.00
556	Concrete Mix Design, Field Verification.....	175.00

PERSONNEL AND EQUIPMENT

660	Testing Engineer (Registered Engineer).....	\$75.00 per hour
661	Assistant Testing Engineer (Graduate Engineer).....	50.00 per hour
662	Soils Technician (Certified by Central Laboratory).....	30.00 per hour
663	Vehicle.....	0.48 per mile
664	Boring Rig (Drilling Time).....	90.00 per hour

- NOTES:
- (1) Independent Assurance Samples on Federal Aid Projects will be taken by Mississippi Department of Transportation Personnel on projects that are non-exempt.
 - (2) Invoices submitted for payment should be accompanied by one (1) copy of the test report and (1) copy of the daily time report to document technician time and/or vehicle time and mileage.