

Scope of Services - Asphalt Pavement Testing, Concrete Testing

SCHEDULE B

A. Asphalt Plant and Equipment.

The Contractor will inspect each asphalt plant, weighing scale, hot mix storage, and associated producing and placing equipment and submit a written report to the City no later than one (1) week after receiving the request of the City for said inspection. All costs for each requested asphalt plant inspection and report shall be included in a flat fee rate of \$470

B. Redi-Mix Plant and Equipment.

The Contractor will inspect each redi-mix plant, weighing scale, storage, and associated producing equipment and submit a written report to the City no later than one (1) week after receiving the request of the City for said inspection. All costs for each requested redi-mix plant inspection and report shall be included in a flat fee rate of \$470

C. Aggregate Suitability.

When specifically requested by the City, the Contractor will sample aggregate stockpiles at the asphalt or redi-mix plant and perform laboratory analysis of aggregate suitability for pavements including, but not limited to, soundness, wear, fracture count, elongated pieces, and plasticity index and submit a written report to the City no later than two (2) weeks after receiving the request of the City for said analysis. All costs for each requested aggregate analysis and report shall be included in a flat fee rate of \$480

Note: On-site sampling of aggregate will be invoiced according to rates in Section F.

D. Aggregate Gradation.

When specifically requested by the City, the Contractor will perform laboratory washed sieve analysis of aggregate gradation of samples taken and furnished by the City or of samples taken by the Contractor in Part C above and submit a written report to the City no later than one (1) week after receiving the request of the City for said analysis. All costs for each requested gradation analysis shall be included in a flat fee rate of \$100 /ea for 1.25" nominal, \$225 /ea for 3.0" nominal, and \$375 /ea for 5.0" nominal.

E. Asphalt Paving Mixtures.

When specifically requested by the City, the contractor shall perform a laboratory control check (includes extraction, gradation with washed sieving and air void determination) on asphalt paving mixtures and submit a written report to the City no later than 48 hours after receiving the request of the City for said analysis. All costs for each requested control check shall be included in a flat fee rate of \$350.

Note: On-site sampling of hot mix asphalt will be invoiced according to rates in Section F.

When specifically requested by the City, the contractor shall perform a laboratory control check (includes air void determination) on asphalt paving mixtures and submit a written report to the City no later than 48 hours after receiving the request of the City for said analysis. All costs for each requested control check shall be included in a flat fee rate of \$230.

Note: On-site sampling of hot mix asphalt will be invoiced according to rates in Section F.

When specifically requested by the City, the contractor shall perform a mix design analysis on asphalt paving mixtures and submit a written report to the City no later than two(2) weeks after receiving the request of the City for said analysis. All costs for each requested control check shall be included in a flat fee rate of \$350.

Note: On-site sampling of hot mix asphalt will be invoiced according to rates in Section F.

When specifically requested by the City, the Contractor will perform laboratory analysis of the extraction, gradation with washed sieving, and with ash content (estimated only based upon the available data), of a asphalt paving mixture sampled by the City and delivered to the Contractor in appropriate containers furnished by the Contractor and submit a written report to the City no later than one (1) week after receiving the sample. All costs for each asphalt paving mixture analysis shall be included in a flat fee rate of \$130.

When specifically requested by the City, the Contractor shall provide express service to perform laboratory analysis of the extraction and gradation with dry sieving and report the results to the City no later than one (1) day after receiving the sample, to be followed by a written report as above, and included in a flat fee rate of \$125.

F. Additional Personnel and Equipment.

When specifically requested by the City, the Contractor shall perform inspection of asphalt and concrete paving operations and provide personnel and equipment to obtain saw cut or core samples including patching the sampled area with hot-mix asphalt pavement or concrete.

Testing and inspections of concrete shall include, but not be limited to, concrete plant inspections; aggregate gradations and quality; tests for cement quality, compressive strength, air content, slump and chloride content. Tests and inspections shall be made on fresh and hardened concrete samples as the occasion requires.

Testing and inspections of asphalt shall include, but not be limited to, hot mix asphalt plant inspection; aggregate gradations and quality; tests for asphaltic material quality, density, air void and VMA. Tests and inspections shall be made on fresh and hardened asphalt samples as the occasion requires.

All samples and testing shall be processed in accordance with other articles of this Agreement. All costs for additional field personnel and equipment shall be according to the Schedule as follows:

Personnel

Professional Engineer	\$99/hour
Laboratory Manager	\$97/hour
Senior Technician-Weekdays 6:00 a.m.-7:00 p.m.	\$69/hour
Senior Technician-Weekdays after 7:00 p.m. & Weekends	\$69/hour
Technician II	\$49/hour
Technician I	\$29/hour

NOTE: The above rates apply to the position and services performed regardless of the status of classification of the person performing the services. There shall be no charge for mileage to and from projects other than drill rig mobilization.

Equipment – Asphalt Pavement Testing

Pavement Saw	\$85/day
Electric Generator for Power to Core Drill	\$85/day
4" Diameter Diamond Asphalt Coring	\$11/core
Nuclear Meter Rental	\$9/test
Sand Cone Materials	\$0/test

Equipment - Concrete Pavement Testing

Compressive Test-Molded Sample	\$12 per test
Saved Cylinders for Moist Curing	\$12 each
Compressive Test-Core Sample	\$30per test
Cylinder Molds	\$2 . 5per mold
Equipment for Air Content Tests	\$0 per test
Equipment for Core Drilling - Diamond Bit	\$1 per in. diam. per in. height

G. Billing and Payment.

The Contractor will submit invoices to the City monthly for work completed and accepted to date. Invoices are to be paid no later than thirty (30) days after the date of

approval by the City. The Contractor will also indicate the contract name, the billing category and number, and the billing interval on each invoice and shall compile and submit separate invoices correlated with each of the following categories:

ENGINEERING

Resurfacing Streets	15-1
Reconstructing Streets	15-2
Assessable and Privately Contracted Streets	15-3

PARKS DIVISION

Parking Lots and Various Courts	15-4
---------------------------------	------

OTHER CITY DIVISIONS

Parking Lots and Miscellaneous	15-7
--------------------------------	------