

**Geo-Advantec, Inc.**

**Materials Testing and Inspection Services**

**For Pavement Rehabilitation Program, FY 2018-19**

**City of Commerce**

**July 10, 2019**

**Project Locations:**

City's Pavement Rehabilitation Program, FY 2018-19 includes various rehab work, such as Full Depth Reclamation (FDR), varying depths of cold-mill and overlay, localized areas RR, Construct 2" ARHM AC Pavement Overlay, removal and replacement of off-grade curb and gutter at various locations listed below:

- ***Garfield Avenue:*** From Telegraph Rd to Gage Avenue.
- ***Triggs Street:*** From Eastern Ave to Telegraph/Atlantic.
- ***Gage Avenue:*** From south of Slauson Avenue to Greenwood Avenue.
- ***Greenwood Avenue:*** From Gage to Slauson Avenue.
- ***Sheila Street:*** From East End to West End (Note, this street will not receive a full rehab/cold-mill/overlay). Proposed work on this street will involve limited and temporary repairs at selected localized areas to be selected in the field by the City.

The pavement rehabilitative work will mainly include milling and overlaying with new asphalt, full depth reclamation utilizing cement stabilized pulverized base (CSPB), and asphalt overlaying. Our scope will include the following:

- Provide field monitoring and compaction testing on backfill soils, base, CSPB, and asphalt
- Perform laboratory tests on base and asphalt materials
- Prepare and submit daily inspection reports.

During construction, GAI will provide geotechnical and materials inspection and testing and will perform continuous and periodic inspections.

Our on-site presence will be based on the direction we receive from the project authorities/client.

**Tasks to be performed include:**

**Geotechnical Monitoring, During Construction Testing and Inspection Services**

- Soil Technician / Field Engineer
- Nuclear Gauge

**Materials Special Inspection**

- Inspector/Concrete and CSPB sampling
- Senior Engineer/Plans, Reports, Test Results Review, Submittal Reviews

**Subgrade and Base**

- Maximum Density, soils, base, CSPB

**Hot Mix Asphalt Testing**

- Extraction, % Asphalt, including Gradation
- Compacted Maximum Density – MARSHALL
- Concrete Cores, Compression
- Compression (CSPB Samples)

Geo-Advantec will invoice the City for its services 1.3% of construction costs based on its current schedule of fees and in compliance with the current on-call services contract requirements. Invoices will show in detail staff and hours, type and number of tests based on current fee schedule.