

## **Work Plan C.15-01 MS4 GIS Support 5 Facilities**

### **Scope:**

#### **TASK 1 – FIELD VERIFICATION OF STRUCTURES – 5 FACILITIES TIME AND MATERIALS BUDGET: \$20,767.92**

In this task, AEW will conduct the following activities:

- Field verify locations and characteristics of storm drain inlets at five facilities. Work does not include theodolite surveying, but may include GPS location logging;
- Taking photographs of all inlets and the surrounding areas; Photographs will be time stamped and include location information if feasible;
- Field verify storm infrastructure flow directions; and
- Submit photographs of inlet structures in word and pdf format with captions including inlet IDs, photo direction, and pertinent notes.

Task budget assumes that each field visit will require approximately 8 hours of two personnel including travel time to facilities, and that photo log creation will require an additional 5 to 8 hours per facility; and

Deliverables: Five photo logs of facility storm drain inlets.

#### **TASK 2 – RECONCILE EXISTING GIS DATABASE WITH EXISTING CAD MAPS – 5 FACILITIES TIME AND MATERIALS BUDGET: \$11,928.59**

In this task, upon receiving access to or copies of BART's existing GIS MS4 asset database and maps, AEW will verify that assets in the database match CAD maps of each of the five facilities. This task also includes attendance at three one-hour meetings with BART staff by two AEW employees to review existing information.

#### **TASK 3 – UPDATE GIS DATABASE & UPDATE STORM DRAIN ASSET SPREADSHEET – 5 FACILITIES TIME AND MATERIALS BUDGET: \$20,125.27**

In this task, after reconciling existing GIS assets in Task 2 with existing CAD maps, AEW will update the GIS database using information available from CAD maps, project as-built drawings, and information collected during the Task 1 field verification. Updates will include geospatial information for each asset, as well as an update in the storm drain asset spreadsheet including details of storm inlet construction. Following delivery of the database and storm drain spreadsheet for each facility, BART will provide review and comments. Upon receipt of comments from BART, the database, spreadsheet, and maps will be revised based on feedback

Deliverables: Updated GIS Geodatabase and Storm Drain Asset Spreadsheet.

**Prime: AEW Engineering**

<b>Subconsultant</b>	<b>Amount</b>
TRC Solutions	--

**Total Work Plan Value: \$ 52,822**