

## EXHIBIT A-2T

### SCOPE OF SERVICES

CITY OF FRESNO  
DEPARTMENT OF PUBLIC UTILITIES–WATER DIVISION  
(CITY)  
AND  
CAROLLO ENGINEERS, INC.  
(CONSULTANT)

SOUTHEAST SURFACE WATER TREATMENT FACILITY  
(Treatment Portion)

### PURPOSE

The purpose of this document is to modify the existing scope of work with Carollo Engineers to perform design changes for the SESWTF. The changes to the scope of work address cost reduction measures and/or changes to the facility design that were not contemplated in Exhibit A.

This amendment, Exhibit A-2T, is hereby made a part of the “Agreement for Professional Services” dated June 24, 2013, and First Amendment dated July 21, 2014.

Unless otherwise noted in the following sections, Exhibit A and Exhibit A-1 remain unchanged.

### AGREEMENT REVISIONS

**1. Task 0 – Project Management: Assumptions** of Exhibit A of the Agreement is amended in its entirety as follows:

#### **Assumptions**

- *Duration of Parts One through Four of the Contract is 25 months starting in July 2013 and ending with the completion of Conformed Contract Documents in July 2015.*
- *Duration of Part Five of the Contract is estimated as 32 months. This construction duration includes 30 months for construction and final commissioning from assumed Contractor NTP in August 2015, and 2 months for completion of Record Drawings and Project Closeout following end of construction.”*

**2. Subtask 0.2 Weekly Progress Meetings: Assumptions** of Exhibit A of the Agreement is amended as follows:

### **Assumptions**

- 228 meetings (Weekly Progress Meetings only, all project Parts).

**3. Subtask 0.3 – Monthly Progress Reports: Assumptions** of Exhibit A of the Agreement is amended as follows:

### **Assumptions**

- CONSULTANT will prepare 57 monthly progress reports (submitted with invoice for previous month's work).

**4. Subtask 1.B.7 – Diversion and Conveyance Basis of Design** of Exhibit A of the Agreement is deleted in its entirety.

This work will be completed as part of a separate scope of work; see Exhibit A-2P – Raw Water Diversion and Conveyance Pipeline (Pipeline Portion).

**5. Subtask 1.B.10 – Administration Building and Corporation Yard Basis of Design** is deleted in its entirety.

This scope element is no longer required for this project.

**6. Add New Subtask Section 1.C.5 – Value Engineering Support Services** as follows:

### **Subtask 1.C.5– Value Engineering Support Services**

CONSULTANT shall

- 1) Provide engineering support to the CITY-initiated Value Engineering Study
- 2) Develop a 30 percent design presentation
- 3) Attend Value Engineering meetings as requested by the CITY
- 4) Evaluate Value Engineering proposals
- 5) Develop and present to the CITY a report of evaluation findings, including estimated construction costs.”

**7. Add new Subtask 2.1.1 Treatment Design Modifications** as follows:

### **Subtask 2.1.1– Treatment Design Modifications**

CONSULTANT shall

- Change the pre-treatment system process
- Change ozonation dosage rate to reduce ozonation process equipment
- Reduce the size, number, and change the configuration of the filter beds and structures; change the filter media

- *Modify treated water pump station building configuration and features*
- *Reconfigure process structures and support building layouts*
- *Reconfigure site grading, drainage, stormwater collection, and sanitary sewer to support new structure layouts*
- *Modify configuration and size of the operations and control building*
- *Modify standby generator fuel system and enclosure configuration and size*
- *Reduce the number and change the physical configuration of the solids drying lagoons*

**8. Paragraphs 1 and 2 of Phase 5—ENGINEERING SUPPORT DURING CONSTRUCTION** of Exhibit A of the Agreement are amended in their entirety as follows:

*The purpose of the Part Five work is to complete engineering services during construction. The Part Five work will include submittal review, response to Contractor questions, change order assistance, site visits/meetings, and startup assistance.*

*Construction support services include the combined office engineering, and start-up/training services and Project Close Out services. CONSULTANT shall provide the construction support services as described herein. The scope of these services is based on a construction period of 30 months from Contractor notice-to-proceed, which is estimated to occur not later than August 11, 2015. The Scope of Services is based on completion of final commissioning in March 11, 2018, and completion of all Project Close Out services following final commissioning by May 15, 2018.*