



DEPARTMENT OF TRANSPORTATION
Fresno Area Express ♦ Fleet ♦ Handy Ride

**ADDENDUM NO. 4
FACILITY UPGRADE PROJECT
Bid File 3839**

NOTICE TO ALL BIDDERS

This Addendum is attached to and made a part of the above entitled specifications for the City of Fresno with a scheduled bid opening of **3:00 P.M. February 1, 2022**

All changes and or clarifications will appear in **bold underlined type.**

Bid Item No. 24 Storm Water Filtration System Construction Revision

The attached documents have been made part of the specification:

END OF ADDENDUM NO. 4



City of Fresno

BRIAN CETTI
Capital Development Specialist

The bidder shall sign below indicating he/she has thoroughly read and understands the contents of this Addendum.

Signed: _____

Company: _____

This addendum is being distributed ONLINE only and will not be sent by U.S. Mail. The bidder shall submit a signed copy of this addendum with their bid.

Addenda to date: 4

Bid Item No. 24 - Stormwater Filtration System Construction

This item shall include the procurement and installation of a structural stormwater best management practice (BMP) device on- or off-line of the existing 30” diameter RCP storm drain main in an approved location in the north end of the parking lot, downstream of all on-site storm drain inlets, with appropriate connecting pipes and structures for a complete installation. The contractor shall submit information on the selected system and the installation layout to the Engineer for approval. The structural BMP shall be able to handle a treatment flow of 4.73 cfs and a peak flow of 14.24 cfs from the approximately 29-acre stormwater management area. Recent analysis of sampled runoff from the site on 10/26/2021 indicates that the median particle size (D₅₀) is 0.0469 mm or 46.877microns (mm). The structural BMP shall remove at least 80% of particulate matter D₅₀ or greater in size and shall be able to reduce the Total Oils & Greases and Total Suspended Solids (TSS) to within the regulatory reporting limits (RL). Additionally, it is also desirable for the structural BMP to reduce the following key pollutants to within the regulatory reporting limit (RL): Aluminum, Lead, Nickel and Zinc. See table below for a summary of test results; the complete test results of the samples by BSK Associates (Report AEJ2678 dated 11/12/2021) is available for reference. Additional limited stormwater sampling data is also publicly available at the Waterboards’ SMARTS website (<https://smarts.waterboards.ca.gov/smarts/faces/SwSmartsLogin.xhtml>).

<u>Analyte</u>	<u>Result</u>	<u>RL</u>	<u>Units</u>
<u>Oils & Greases</u>	<u>2.7</u>	<u>5.0</u>	<u>mg/L</u>
<u>TSS</u>	<u>30</u>	<u>5.0</u>	<u>mg/L</u>
<u>Aluminum</u>	<u>800</u>	<u>50</u>	<u>mg/L</u>
<u>Lead</u>	<u>4.0</u>	<u>1.0</u>	<u>mg/L</u>
<u>Nickel</u>	<u>7.7</u>	<u>1.0</u>	<u>mg/L</u>
<u>Zinc</u>	<u>370</u>	<u>1.5</u>	<u>mg/L</u>

Full compensation for furnishing all labor, material, tools, and equipment for a complete installation shall be included in the lump sum unit price for this bid item.