Contra Costa Community College District

Date: 4/14/2015

Specification for: Prop 39 CCC Exterior LED Lighting Retrofit

SCOPE OF WORK:
The Contractor shall furnish all labor, parts, tools, equipment, materials and transportation necessary to perform a retrofit of the existing (13) pole-mounted 100 watt Metal Halide exterior walkway fixtures in the Arboretum area with lower wattage, high efficiency pole-mounted LED lighting fixtures.

No structural modifications, modifications to fire alarm systems, or changes to Americans with Disabilities Act accessibility are authorized under the contract and work associated with this specification. All work shall be in accordance with Title 24 California Code of Regulations. All installed LED fixtures shall be eligible for PG&E incentives and shall be listed on the California Statewide Lighting Program Qualified LED Products List.

The location of the facility is at the Arboretum area of Contra Costa College, between the Music and Arts Buildings, at 2600 Mission Bell Drive, San Pablo, CA 94806. A map location is available upon request.

PART 1 - GENERAL REQUIREMENTS

1.1 REFERENCES:
A. The publications listed below form a part of this specification by reference.
   1. Current California Occupational Safety and Health Act Regulations
   2. Current California Occupational Safety and Health Construction Safety Orders

B. This work will be contracted by ___ Blanket Purchase Order, or ___ Short Form Construction Agreement (attached if selected).

1.2 SUBMITTALS:
A. Submit the following for approval prior to beginning work:
   1. Fixture specification documents and material cut sheets for proposed LED fixtures and manufacturers’ installation procedures, etc. if any.
   2. Documentation of LED fixture listing on the California Statewide Lighting Program Qualified LED Products List.

PART 2 - PRODUCTS

2.1 MATERIALS:
A. Material shall be as specified. Material not definitely specified shall be of quality used for the purpose in commercial practice. Items not specified but required for
the proper installation or repair of a specified item or work shall be provided. Items shall be of the proper type, size and material for the use intended.

B. Contractor Furnished Materials: The Contractor furnished materials shall include any associated equipment and appurtenances required performing the contract properly and in accordance with the equipment manufacturer's literature.

C. All materials shall be new, unless otherwise authorized or specified in the scope of work of this specification.

PART 3 - EXECUTION

3.1 PREPARATION:

A. Scheduling and Coordination: Before commencing work on a specific area, the Contractor shall determine that all requirements pertaining to scheduling of the work, the time approved by the Project Inspector, the Project Manager, or the Buildings and Grounds Representative for commencement of work. The Contractor shall further determine that all required notices have been given.

B. Scheduling and Sequence of Work: The work shall be performed in such a manner as to cause the least interference with the normal functions of the college/campus activity. Certain areas will be vacated for period of time as necessary for the Contractor to perform certain work; however, the area may be occupied during the course of the work. Prior to beginning any work, the Contractor shall meet with the Project Inspector, the Project Manager, or the Buildings and Grounds Representative in order that an approved schedule and sequence of work may be arranged.

C. Interruption of Utilities Services: Interruptions shall be kept to a minimum and shall be at such times and duration as approved ahead of time. No interruption shall occur unless scheduled with the Project Inspector, the Project Manager, or the Buildings and Grounds Representative and approved in advance as to time and duration of such interruption.

D. Material, equipment, tools and workmen shall be scheduled and delivered to the site in a timely manner to avoid delay in the work. Items of material shall be inspected to make certain they are in compliance with the specifications and are free from defects and damage.

E. Measurements: Before fabrication, obtain necessary field measurements and verify all measurements.

F. Protection required to prevent damage to adjacent areas, equipment, fixtures and finishes shall be provided. Damage to items while accomplishing the work shall be repaired or replaced with new items at no additional cost to the District.

G. Existing Work: Protect existing work which is to remain in place, be reused, or remain the property of the District. Repair items that are to remain and are
damaged during performance of the work to their original condition, or replace with new.

H. Facilities: Protect electrical and mechanical services and utilities. Where removal of existing utilities and pavement is specified or indicated, provide approved barricades, temporary covering of exposed areas, and temporary services or connections for electrical and mechanical utilities.

I. Dust and Debris Control: Prevent the spread of dust and debris to occupied portions of the Building and avoid the creation of a nuisance or hazard in the surrounding area. Waste and debris resulting from the work being performed shall be cleaned up daily and promptly removed from the activity.

3.2 PERFORMANCE:

A. Workmanship: Skilled personnel shall execute in a careful, neat, and proficient manner and in compliance with accepted trade practices all work. All work shall be executed in accordance with Cal/OSHA standards and safety orders. And all work on this contract shall comply with all Local, State, and Federal Environmental Laws.

B. As used herein, "replace" means provide new materials to replace existing or missing materials.

C. The contractor shall field verify all measurements for existing conditions.

D. Minor Materials and Work: Minor materials and work not specifically mentioned herein but necessary for the proper completion of the specified work shall be furnished without additional cost to the District.

E. Unforeseen Major Repairs: Should deteriorated materials of a major nature be uncovered in the course of the work, or suspected hazardous materials discovered, it shall be brought to the attention of the Project Inspector, Project Manager, or Buildings and Grounds Representative immediately. Repairs, if any, shall be made as directed in writing, and an adjustment will be made in the contract price in accordance with the terms of the modifications.

F. Existing Work: Where existing work is changed or removed, or where new work adjoins, connects to, or abuts existing work, the existing work shall be altered as necessary and connected in a substantial and workmanlike manner. All new work shall match, as nearly as practicable, existing, adjoining, and/or adjacent similar work. Operations affecting existing work shall be conducted with care not to damage work in place, and all existing work damaged by such operations shall be rectified or replaced without additional expense to the District.

3.3 DRAWINGS ACCOMPANYING SPECIFICATIONS

A. NONE
3.4 SITE VISITATION

A. Prior to submitting quotations, prospective quoters are invited to visit the site and satisfy themselves as to the character and amount of work to be accomplished. Site visitation, may be arranged by the Buildings and Grounds Manager or Project Manager.

3.5 TIME OF COMPLETION

A. All work shall be completed within 25 calendar days after date of Notice to Proceed.