Westport Public Schools
Bid 17-005-BOE
Addendum

Overview

An optional bid walkthrough took place on August 16, 2016. In consultation with prospective Electrical/Data Vendors, the Westport Public Schools has determined that the electrical work included in the section "Scope of Work – Electrical/Data Contractor" of the "Wireless Mesh Network Specifications" document was in excess of that which was required for the project. Consequently, this addendum amends the electrical work contained in that section.

The updated scope of work only applies to the electrical work included in the "Scope of Work – Electrical/Data Contractor," and not to the data work included therein. Moreover, all electrical work must still be performed in accordance with the "Electrical and Data Work Requirements" section of the original bid specification.

Please note that the modifications detailed below refer to locations depicted on the site layout included in this addendum.

Updated Scope of Work – Electrical/Data Contractor (Electrical Components Only)

Main Scoreboard

- Extend 120 volt power from existing outlet roughly 15 ft. up the scoreboard, using PVC conduit and all necessary fittings and straps.
- Furnish and install a 20 amp duplex outlet in a weatherproof box, covered by an in-use hinged cover.

Baseball Scoreboard

- Extend 120 volt power from existing outlet roughly 15 ft. up the scoreboard, using PVC conduit and all necessary fittings and straps.
- Furnish and install a 20 amp duplex outlet in a weatherproof box, covered by an in-use hinged cover.

Scoreboard #3

- Furnish and install a 100 amp single phase 3R subpanel on the frame of the scoreboard. The power will come from the existing 60 amp fusible disconnect that provides power to the scoreboard. The Subpanel will have a 60 amp main breaker, and the Panel will be installed to code.
- Install a 20 amp, 120 volt circuit roughly 15 ft. up the scoreboard, using PVC conduit and all necessary fittings and straps.
- Furnish and install a 20 amp duplex outlet in a weatherproof box, covered by an in-use hinged cover.

Solar Scoreboard

- 225 ft trench has to be dug from Scoreboard #3 to the Solar Scoreboard. 2 inch conduit PVC needs to be installed with (3) 1/0 aluminum wire with a #4 ground.
- Furnish and install a 100 amp 3R panel with a 60 amp main breaker. The Panel to be mounted to the framework of the scoreboard. Feeder for the panel will come from the new panel located on Scoreboard #3. Conductor size will be (3) 1/0 aluminum with a #4 ground wire.
- Disconnect the solar feed to the Solar Scoreboard. Re-feed scoreboard with 120 volts from the new panel.
- Install power to the (1) Mesh AP by extending 120 volt power from existing outlet roughly 15 ft. up the scoreboard, using PVC conduit and all necessary fittings and straps.
- Furnish and install a 20 amp duplex outlet in a weatherproof box, covered by an in-use hinged cover.

Shed Next to Dugout

- Extend 120 volt power from existing outlet roughly 15 ft. up the scoreboard, using PVC conduit and all necessary fittings and straps.
- Furnish and install a 20 amp duplex outlet in a weatherproof box, covered by an in-use hinged cover.

IDF

- Install (1) 120 volt, 20 amp duplex outlet with an in-use cover on the exterior of the building for the IDF and Root AP. 120 volt power will come from a local constant power source.
- Install 2 inch EMT conduit from Roof IDF location to the inside of the Field House wall, roughly 70 ft.
- Install an 8x8 junction box. Extend conduit 18 ft. up the wall.
- Install 2 inch conduit from the Field House through the Field House storage room to the data closet IDF1, roughly 70 ft.

Bid 17-005-BOE
Purchase and Installation of Outdoor Wireless Mesh Network at Staples High School
Site Layout

Main Scoreboard - (1) Mesh AP, Existing Power

Baseball Scoreboard - (1) Mesh AP, Existing Power

Scoreboard #3 - (1) Mesh AP, Existing Power

This is the section which will need to be trenched.

Solar Scoreboard - (1) Mesh AP, needs trench for permanent power

IDF – (1) Root AP – No existing Power or Network Connectivity yet. This the Proposed Location of Both IDF and the Root AP

Shed Next to Dugout – (1) Mesh AP, Existing Power