



STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
PROGRAM DEVELOPMENT & ADMINISTRATION DIVISION
LOCAL PROGRAM DEVELOPMENT OFFICE
SUITE 600, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TN 37243-0341
(615) 741-5314

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

TO: Greg Duncan
Assistant Chief Engineer of Operations

FROM: Jim Moore

SUBJECT: Proprietary Item Request and Justification

STP-M/EN/TCSP-9202(106)/ Contract# 100307/ PIN 113906.00

The Program Development and Scheduling Director requests approval to utilize the following proprietary items in the subject project:

McFadden Lighting –pedestrian pole light fixture #MP1016-06-2327-LED-C005-01657

Security System components:

- 1) Global Green Lighting (GGL) Controller
- 2) High Definition IP DOME CAMERAS – SONY SNC-DH180
- 3) High Definition, weather resistant, IP POLE MOUNTED CAMERAS – SONY SNC-CH280
- 4) High Definition Network Video Server/Recorder, Minimum Specifications
 - A. Dell PowerEdge, R510 chassis for up to eight (8) hot swap hard drives.
 - B. Minimum of Dual Intel XEON E5620, 2.66GHz Quad-Core processors.
 - C. PERC H700i Integrated RAID Controller.
 - D. Broadcom 5709 Dual Port 1 Gbe NIC.
 - E. iDRAC6 Enterprise.
 - F. Windows Server 2008/2012 Standard O/S.

Project Description

Downtown Riverwalk - Phases 1-3

Chattanooga, Hamilton County

PIN: 113906.00

Federal Project Number: STP-M/EN/TCSP-9202(106)

Contract Number: 100307

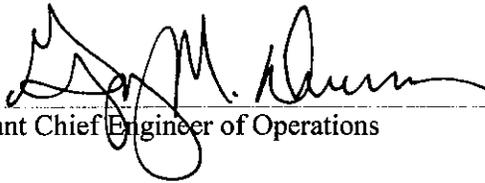
Construction of approximately 22,350 linear feet of 10-foot wide trail from Ross's Landing and the 21st Century Riverfront and terminating at St. Elmo Avenue. Project includes landscaping, pedestrian lighting, a retaining wall, a pedestrian bridge, crosswalks and signalization, railroad safety upgrades, an irrigation system, utility relocation, signage, ADA upgrades, a comfort station and pedestrian amenities.

Justification

Per the Code of Federal Regulations, 23 CFR 635.411, justification can be made that these items are essential for both aesthetic continuity of previously lighted sections of the Riverwalk and for synchronization with the existing city-wide security system that requires specific equipment compatible with the overall system. As such, Hamilton County and the City of Chattanooga are aware of only one manufacturer, McFadden Lighting, that has both an aesthetic appearance consistent with the existing light fixtures and the LED requirement desired.

If you have any questions or comments, please contact Neil Hansen, Enhancement Coordinator, at neil.hansen@tn.gov.

I, Jim Moore, Program Development and Scheduling Division Director, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (2) that these items are indeed essential for both aesthetic continuity of previously lighted sections of the Riverwalk and for the synchronization with the existing city-wide security system that requires specific equipment compatible with the overall system.



Assistant Chief Engineer of Operations

4/15/14

Date



City of Chattanooga

Mayor Andy Berke

March 6, 2014
File Number: 34796-03

Neil Hansen
TDOT Enhancement Coordinator
505 Deaderick Street
600 James K. Polk Building
Nashville, TN 37243

RE: Downtown Riverwalk

Dear Mr. Hansen:

There are several miles of existing Tennessee Riverwalk that have a standard light fixture for pedestrian pole lights. We would like to emulate this standard in the current design quality and aesthetics. Additionally, we would like to also implement energy efficient LED lighting into the new fixtures. We are only aware of one manufacturer, McFadden Lighting, that has both an aesthetic appearance consistent with the existing light fixtures and the LED requirement desired. We have provided a way for other manufacturers to be preapproved prior to bid, but do not have specific alternate manufacturers to include with the bid.

The City of Chattanooga is utilizing a city-wide security system that requires specific equipment that is compatible with the system. We have coordinated with Hamilton County on which components are required for compatibility with the existing system, and specified this equipment in the project. The following is a list of the components associated with the security system that are specified for compatibility with the existing system for which we have included "or approved equal", but are not aware of compatible components at this time.

- 1) Global Green Lighting (GGL) Controller
- 2) High Definition IP DOME CAMERAS – SONY SNC-DH180
- 3) High Definition, weather resistant, IP POLE MOUNTED CAMERAS – SONY SNC-CH280
- 4) Network Switch shall be a UBIQUITI TOUGH SWITCH PoE PRO, 8 gigabit PoE ports, 24V/48V configurable passive PoE, 150 Watts
- 5) ~~Cabling: Outdoor carrier class industrial grade shielded Ethernet cable, TOUGH Cable CARRIER as manufactured by UBIQUITI~~ *deleted from request by City*

- ~~6) Wiring Connectors: UBICQUITI TOUGH Cable connectors~~ *deleted from request by City*
- 7) High Definition Network Video Server/Recorder, Minimum Specifications:
- A. Dell PowerEdge, R510 chassis for up to eight (8) hot swap hard drives.
 - B. Minimum of Dual Intel XEON E5620, 2.66GHz Quad-Core processors.
 - C. PERC H700i Integrated RAID Controller.
 - D. Broadcom 5709 Dual Port 1Gbe NIC.
 - E. iDRAC6 Enterprise.
 - F. Windows Server 2008/2012 Standard O/S.

In consideration of the statements above, the City of Chattanooga and Hamilton County requests the items described be considered for use on this project without specific alternates specified in addition to the "or approved equal" phrase.

Should you have any technical questions please contact the design consultant, BWSC at (423) 756-3025.

Sincerely,



Blythe Bailey
Administrator
Transportation Department

Copy to: John Brown, BWSC
Todd E. Leamon, PE, Hamilton County Public Works Administrator