



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

BUREAU OF ENGINEERING
SUITE 700, JAMES K. POLK BUILDING
505 DEADERICK STREET
NASHVILLE, TENNESSEE 37243-1402
(615) 741-0791

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

TO: Greg Duncan
Assistant Chief Engineer of Operations

JMM
FROM: Jim Moore
Program Development and Scheduling

SUBJECT: Proprietary Item Request and Justification for the City of Memphis

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

1. Meltric Corporation PF400A (400-amp) metal connector receptacle and cap, PF400 metal straight handle, PF400 inlet and MB40 metal junction box;
2. Fountain Supply Company custom in-ground electrical pullbox with 400-amp connectors, removable concrete lid, 1-inch fixed drain closure valve, and custom stainless steel enclosure;
3. Belgard Hardscape Products Stone Street Cobble Paver; and,
4. Memphis, Light, Gas and Water (MLGW) Material Standards 42-8625, 43-5105 & 730.42 for the 14'-6" "Cotton Row" light posts at the Union Avenue overlook.

Project Description

The project provides for the restoration of the historic cobblestone landing located in downtown Memphis, Tennessee along the Wolf River Harbor. The project includes restoration of the historic cobblestone pavers and mooring rings as well as the installation of articulated concrete mat on the harbor edge to stabilize against erosion; underground electrical and water utilities; an overlook area along Union Avenue; and historical plaques and verbiage.

Justification

Base the justification on the reasons given in the Code of Federal Regulations, 23 CFR 635.411 which can be found in the Plans Preparation Manual, Division 7.

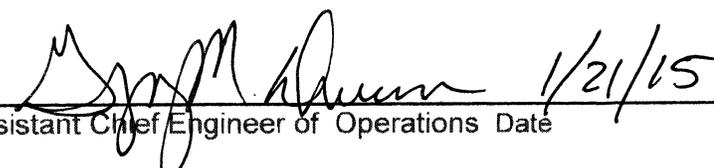
1. Meltric Corporation PF400A (400-amp) metal connector receptacle and cap, PF400 metal straight handle, PF400 inlet and MB40 metal junction box. These items are essential for synchronization with existing facilities and no equally suitable alternatives exist. The underground electrical service to the riverboats requires specially fabricated IP (ingress protection) - rated connectors that must operate after being submerged by the fluctuating Wolf River Harbor water levels. Meltric receptacles are currently in use at the existing Beale Street Landing; and these products provide uniformity and consistency between Beale Street Landing and Cobblestone Landing riverboat operations; and electrical service equipment being used by the riverboat operators.

2. Fountain Supply Company custom in-ground electrical pullbox with 400-amp connectors, removable concrete lid, 1-inch fixed drain closure valve, and custom stainless steel enclosure. No equally suitable alternative exists. The Fountain Supply Company enclosure is compatible with the proprietary Meltric electrical components described in Item 1 above.
3. Belgard Hardscape Products Stone Street Cobble Paver. No equally suitable alternative exists. This tumbled concrete paver was the only stone paver product sample and type that was approved during the TDOT Categorical Exclusion Process, for use as infill replacement of missing original cobblestone pavers. The primary approval entities were the State Historical Preservation Office (SHPO), the Memphis Landmarks Commission, and several other stakeholder groups.
4. Memphis, Light, Gas and Water (MLGW) Material Standards 42-8625, 43-5105 & 730.42 for the 14'-6" "Cotton Row" light posts at the Union Avenue overlook. This item is essential for the synchronization with existing facilities. These specific light posts are required to match the visual appearance of the existing "Cotton Row" posts and lamps along Riverside Drive. These products are also a common standard fixture used in the Memphis downtown area.

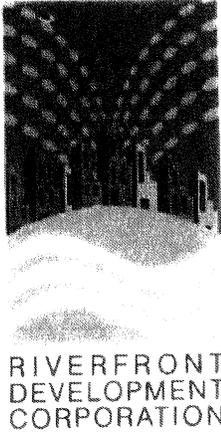
If you have any questions or comments, please contact Lisa Dunn at lisa.dunn@tn.gov or 615-253-2684..

I, Jim Moore, Division Director, of the Tennessee Department of Transportation, do hereby certify that in accordance with the requirements of 23 CFR 635.411(a) (2) that

1. The Meltric Corporation PF400A (400-amp) metal connector receptacle and cap, PF400 metal straight handle, PF400 inlet and MB40 metal junction box are essential for the synchronization with existing facilities and no equally suitable alternative exists;
2. No equally suitable alternative exists for the Fountain Supply Company custom in-ground electrical pullbox with 400-amp connectors, removable concrete lid, 1-inch fixed drain closure valve, and custom stainless steel enclosure;
3. No equally suitable alternative exists for the Belgard Hardscape Products Stone Street Cobble Paver; and
4. The Memphis, Light, Gas and Water (MLGW) Material Standards 42-8625, 43-5105 & 730.42 for the 14'-6" "Cotton Row" light posts at the Union Avenue are essential for the synchronization with existing facilities.

 1/21/15
 Assistant Chief Engineer of Operations Date

Recommended for Approval: , Director of Traffic Operations Division



22 NORTH FRONT STREET

SUITE 960 MEMPHIS, TN 38103

TEL. 901-312-9190

FAX 901-312-9189

December 2, 2014

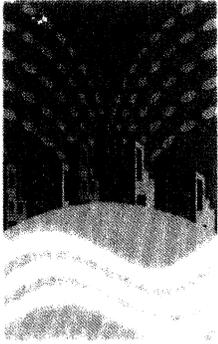
Ms. Lisa Dunn
Transportation Planner
Enhancement Office
Suite 600 James K. Polk Building
505 Deaderick Street
Nashville, TN 37243

RE: Proprietary Items Request and Justification
Cobblestone Landing Restoration Project -- Memphis, TN
TDOT PIN: 108673.00

Dear Ms. Dunn,

The Riverfront Development Corporation is requesting the approval to specify several proprietary items for use on the above referenced project:

1. Meltric Corporation PF400A (400-amp) metal connector receptacle and cap, PF400 metal straight handle, PF400 inlet and MB40 metal junction box. The underground electrical service to the riverboats requires specially fabricated IP (ingress protection) - rated connectors that must operate after being submerged by the fluctuating Wolf River Harbor water levels. Meltric receptacles are currently in use at the existing Beale Street Landing and these products provide uniformity and consistency between Beale Street Landing and Cobblestone Landing riverboat operations and electrical service equipment being used by the riverboat operators.
2. Fountain Supply Company custom in-ground electrical pullbox with 400-amp connectors, removable concrete lid, 1-inch fixed drain closure valve, and custom stainless steel enclosure. The Fountain Supply Company enclosure is compatible with the proprietary Meltric electrical components described in Item 1 above.
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RIVERFRONT
DEVELOPMENT
CORPORATION

22 NORTH FRONT STREET

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If you have any questions or need further clarification, please feel free to contact me at telephone number 901-312-9190 or email at jreeder@memphisriverfront.com.

Sincerely,

Jim Reeder
Project Director

Copy Furnished:

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