Montana Department of Transportation
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Memorandum

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To: Ryan Dahlke, P.E.
Consultant Design Engineer

From: Bryan Miller, P.E. BLM
Consultant Plans Engineer

Date: June 28, 2019

Subject: STPB 8113(8)
Higgins Ave. BR Rehab - Missoula
UPN 8807000
Work Type 231 - Major Bridge Rehabilitation without added capacity

Proprietary Product Certificate - Decorative Luminaires

Project Background

This project is located on Higgins Avenue in downtown Missoula, MT. The project is a major bridge rehabilitation that includes replacing the existing deck and repairing structural components to extend services life. The project also includes roadway approach work to match the new bridge typical section. The 3rd Street intersection which is located at the southern bridge end, will be reconfigured to improve traffic movements and increase safety for pedestrians.

The City of Missoula has identified the Higgins Avenue Bridge as a priority location for improving multimodal transportation. The existing sidewalks on the bridge are narrow, with substandard railing. As part of the project, improved accommodations for bicycles and pedestrians will be provided. The City is contributing local funding for the improved bicycle and pedestrian accommodations and other amenities that match the downtown streetscape.

Justification

With the replacement of the existing bridge decking, the existing roadway luminaires will have to be removed. To improve the aesthetics of the downtown area, the City of Missoula would like to utilize decorative luminaires and poles that match those used throughout downtown Missoula. The City has standardized decorative poles that have been used extensively in the downtown area including the Scott Street intersection, the Old Sawmill District, and North Higgins. In addition, the decorative luminaires are currently being installed with MDT's Russell Street Bridge reconstruction project. The City has requested the luminaires on this project match the other installations.

The decorative luminaires consist of a 28' tall, fluted steel pole with a 22" diameter by 38" tall decorative polymer base cover and a decorative luminaire. Decorative luminaires are available from many manufacturers. However, the poles and luminaires provided by Mountain States Lighting, P.O. Box 449 Conifer, CO 80433 best fit the City of Missoula downtown decorative lighting standards. Mountain States Lighting has supplied the decorative luminaires for all City of Missoula Downtown projects. Additional benefits of using this supplier include:

- The luminaire poles can be fabricated to include all non-standard attachments required by the City for banners, flags, holiday decorations, and hanging flower baskets.
- The pole bases can be supplied with "copper tipped" lettering in the Missoula Downtown

Logo which matches the City standard.
- The luminaire heads match the appearance of the existing lighting in the area.
- The luminaire poles can be supplied with receptacles at the top for holiday decorations and in the base of the pole for downtown events.

The Domestic Materials provision §106.09 of the Standard Specifications will apply.

Conclusion

The City of Missoula has contributed local funding to the project and is responsible for maintaining some project elements, including the luminaire poles. The decorative luminaire poles are a project feature that utilizes local funds. The decorative luminaire poles supplied by Mountain States Lighting best fit the City luminaire standards and match the existing downtown luminaires.

The use of this proprietary item is unique to Missoula Downtown projects.

Approved _____ Date 7-3-2019

Ryan Dahlke, Consultant Design Engineer

copies:

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