

21TP001



CITY OF RAPID CITY

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Department of Community Development

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MEMORANDUM

TO: Rapid City Council Work Group

FROM: Kip Harrington, Planner III

DATE: January 5, 2021

RE: **21TP001 – Authorize staff to advertise the Request for Proposals for the Cambell Street Structure Replacement and Multi-modal Routing Study**

The City of Rapid City in conjunction with the Rapid City Area Metropolitan Planning Organization and the South Dakota Department of Transportation is soliciting proposals from qualified consultants to prepare the Cambell Street Structure Replacement Multi-modal Routing Study for the Rapid City Area Metropolitan Planning Organization.

The Cambell Street Structure is tentatively scheduled to be replaced in 2027 (SDDOT Project PCN 078X). The existing structure is located on Cambell Street, approximately 1.2 miles south of the intersection of Cambell Street and South Dakota Highway 44 (SD44), also known as East Omaha Street, and crosses over East Saint Joseph Street and the Rapid City, Pierre, and Eastern railroad line (RCP&E). The existing overpass structure is under the jurisdiction of SDDOT, while the adjacent street network is under the jurisdiction of the City.

Cambell Street is classified as a Principal Arterial Street on the City's Major Street Plan and is configured as a 5-lane cross section both north and south of the structure, transitioning to a 4-lane cross section as it approaches and crosses over the structure. Ramps provide access between Cambell Street and East Saint Joseph Street on the southern end of the structure. There are currently no bicycle and/or pedestrian improvements on Cambell Street between East Saint Patrick Street and East Fairmont Boulevard. Prior to the replacement and complete reconstruction of the structure, SDDOT desires to enable a multi-modal transportation network that accommodates all modes of travel through the study area as deemed safe, feasible, and reasonable.



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Current traffic counts indicate approximately 20,000 vehicles per day utilize the structure, with that volume forecasted to increase to approximately 25,000 vehicles per day by 2045.

The area of study includes Cambell Street between East Saint Patrick Street and East Fairmont Boulevard, East Saint Joseph Street between East Saint Patrick Street and Cambell Street, and East Saint Joseph Street from East Saint Patrick Street to the ramp termini. The study area also includes all of the intersections in the above segments.

The Cambell Street Structure Replacement Multi-modal Routing Study seeks to provide a safe and effective motorized and non-motorized routing plan through the study area. Although no bicycle and/or pedestrian facilities currently exist over the structure or on the connecting street network, SDDOT has programmed reconstruction of the structure and desires to incorporate a multi-modal planning approach for the facility to serve all modes of travel into the future as, deemed safe, feasible, and reasonable.

An analysis of current and projected future usage of the facility, encompassing motorized and non-motorized modes of travel, will allow for alternatives in routing to be developed. From these alternatives, a consultant recommended alternative will be identified in the study.

STAFF RECOMMENDATION: Authorize staff to advertise the Request for Proposals for the Cambell Street Structure Replacement and Multi-modal Routing Study



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