**WYOMING DEPARTMENT OF TRANSPORTATION**

**PRELIMINARY PLANS INSPECTION REPORT**

FOR

Project No. I805171

Curtis Street Interchange

I-80/Laramie/Structure DDI

Albany County

Prepared by:(Designer or Consultant)

Date of inspection: August 19, 2019

Inspection Personnel:

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Reviewed by:

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Jason Potter, P.E. Kenneth Keel, P.E.

Design Team Leader Project Development Engineer

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Approved by:

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Tom DeHoff, P.E. Jeff Brown, P.E.

District Engineer Highway Development Engineer

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

An office review of the Preliminary Plans for Curtis Street Interchange, Laramie, was held at the District Office in Laramie on August 19, 2019.

PROPOSED CONSTRUCTION

This project is located on Curtis Street between Pierce Street and North McCue Street. It includes the replacement of the existing overpass structure over I-80, reconstruction of the existing on and off ramps for the Curtis Street/I-80 interchange, and approximately 3000 feet of reconstruction of Curtis Street. The proposed reconstruction will be 12’’ of concrete pavement over 4’’ of crushed base, with two-12’ lanes, a 12’ center-turn lane, 4’ shoulders, and now will included a 10’ detached multi-use path on the south side of the roadway per the request of the City of Laramie. Reconstruction is considered for a short section of existing plant mix pavement on Curtis Street west of the interchange with concrete during this project; the exact limits of reconstruction still need to be determined.

BRIDGE

Bridge will design the bridge for Curtis Street/I-80. The new bridge be wide enough for the full width of the roadway and multi-use path, and it will have sufficient clearance to accommodate a possible widening of Curtis Street in the future.

TRAFFIC

Close the Curtis Street I-80 Interchange during construction. Use detours to direct traffic from I-80 along Pierce and McCue Street in order to maintain access to existing truck stops on the east and west sides of the project. Use an existing crossover to the north of the project and a new crossover to the south to shift I-80 traffic during demolition and the construction of the bridge.

MATERIALS

The existing crossover north of the project will have 1’’ of milling and an overlay of 1’’ of hot plant mix. Pierce Street may also need a 3’’ overlay of hot plant mix prior to its use as a detour route for this project. The Materials Program will determine the additional work needed on Pierce Street to account for the increased traffic.

GEOLOGY

Geology will drill the crossover to determine the condition of the subgrade and run further examination of McCue Street to determine if there is any additional work needed. Geology will provide recommendations for the construction of the proposed crossover.

ENVIRONMENTAL

Environmental services will determine wetland boundaries to incorporate the inclusion of the proposed multi-use path. Environmental services expects impacts to existing wetlands to be minimal for this project, and is currently not planning wetland mitigation.

RIGHT-OF-WAY

The land survey for this project is complete and there is not any anticipated additional right-of-way work at this time. There are no acquisitions expected; construction permits will be required.

CITY OF LARAMIE

The city is planning to reconstruct the Pierce Street/Curtis Street intersection with concrete pavement. This work will either be done prior to this project, or it will be included as part of this project with an ARS agreement with the City. Project limits and tie-in locations will need to be determined.

The requested multi-use path requires an ARS agreement with the City.

MISCELLANEOUS

Upgrade lighting for the interchange during this project.

Culvert cleaning will be required for the flared ends located on the northwest corner of the interchange (west off ramp). Additional culvert cleaning may be required.

COST ESTIMATE

The recon cost estimate was $\_\_\_\_\_\_\_.

PROJECT SCHEDULE

This project is scheduled for a shelf deadline of March 2021 and PS&E of August 2022.

NEEDED INFORMATION

* Condition of crossover subgrade (Geology)
* Condition of surfacing and subgrade on McCue Street (Geology & Materials)
* Feasibility of accelerated bridge construction (Bridge)
* Information about future work planned for Curtis Street so Bridge can design for proposed widening (District)
* Limits of concrete reconstruction/plant mix on Curtis Street (District)
* Location of new crossover south of the bridge (Resident Engineer)

COMMENTS

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