**WYOMING DEPARTMENT OF TRANSPORTATION**

**RIGHT OF WAY AND ENGINEERING PLAN INSPECTION REPORT**

FOR

Project No. 1206008

Auburn - Afton

Lincoln County

Prepared by: (Designer or Consultant)

Date of inspection: October 16, 2017

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

An office review of the Right of Way and Engineering Plans for Auburn-Afton was held at the District Office in Afton on October 16, 2017.

PROPOSED CONSTRUCTION

This project will rehabilitate Wyoming Highway 238 from RM 0.00 to the intersection of US 89 at RM 12.08. The work will consist of 12'' of full-depth reclamation for the length of the job, a 2'' plant mix overlay, bridge work, some culvert cleaning and replacement, and misecellaneous other work at the existing approaches. The bridge work will consist of four bridge removals, three of which will be replaced with boxes (16' x 4', 10' x 20', and 10' x 16') and one which will be replaced with a 75' single span bridge.

APPROACHES

The approaches on this job are a combination of paved and gravel, and the work will match existing. For paved approaches that are impacted, they will be saw cut (8' – 10') at the road face and re-paved; gravel approaches will be refreshed with new crushed base. Also, some existing approaches are very wide, and the district will discuss the possibility of narrowing these approaches back to acceptable limits.

DRAINAGE

After discussion with the bridge department, the decision was made to replace the existing bridge at Station 678+61 with a 16' x 4' precast concrete box culvert. No riprap will be required at this location.

In order to improve drainage in two problem locations, new pipe installations will be required. The first location (approximately Station 680+02) will have 2-60'' x 46'' arch pipes, and the second location (approximately Station 696+85) will have 3-71'' x 47'' arch pipes. Some channel work will be required at these locations to direct water away from the roadway and existing structures.

As this project has a large number of existing culverts in need of cleaning, the decision was made to add "culvert cleaning" to this job for culverts 24'' or larger. This includes approximately 110 culverts throughout the length of the job. Stations will need to be provided by the field for culverts that are buried or silted in.

BRIDGE

The bridge located at approximately Station 678+50 will be replaced with a box culvert. In order to provide an adequate detour at this location, the existing bridge will be saw cut and the box culvert installed in sections while keeping traffic moving over the remaining bridge section. This type of installation may require a signal to direct traffic.

RIGHT-OF-WAY

The detour at approximately Station 678+50 will be modified to account for the bridge being installed in sections rather than requiring a detour to be constructed, and this will affect the construction permit in that area. Other construction permits on this job will be cleared by environmental services; no right-of-way acquisition is required.

MATERIALS

The detour surfacing section work will consist of 2'' of hot plant mix over 6'' of crushed base, and the materials lab will provide recs for this.

MISCELLANEOUS

All mailbox installations will be done with WYDOT standard supports rather than the proposed cluster mailboxes. A count of mailboxes and corresponding stations will be provided by the field.

Due to construction permits, some permanent fence will need replaced. This will be done with 12'-0'' wood post spacings and one round wooden stay between posts (see: project N103103).

COST ESTIMATE

The Right of Way and Engineering cost estimate is $\_\_\_\_\_\_\_\_.

PROJECT SCHEDULE

This project is scheduled for a November 8, 2018 letting date.

NEEDED INFORMATION

* Surfacing recs from materials lab (for detour)
* Clearance of construction permit areas by environmental services
* Information from the field: mailbox locations, culvert locations, details of approach work

COMMENTS

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