SD244 Over Palmer Creek

Engineering Flowchart

DOES IT MOVE?

No

Should it?

No

Problem

Yes

Should it?

Yes

Problem

No

No
Project Limits
Why are we here?

- Bridge nearing end of service life
  - Built in 1966
Purpose of this meeting

- To involve public in the design process
- To exchange ideas – listen and discuss concerns
- Gather Input and Comments
Traffic

- 2018 Average Daily Traffic (ADT) = 1576
  - 20 year ADT = 2287
  - 2.3% Trucks
Crash History

- **5 Year Period from 2014 - 2018**
  - 3 Reported Crashes
    - 2 Animal Hit
    - 1 Rear End
  - 0 Fatalities

- **Rural Minor Arterial**
  - Reported Crash Rate = 1.04
  - Statewide Weighted Crash Rate = 1.69
    (crashes per million vehicle miles of travel)
Proposed Improvements

- Replace bridge over Palmer Creek
Proposed Improvements

- Add left & right turn lanes at Mt. Rushmore Resort & Lodge
Proposed Improvements

- Increase sight distance east of bridge
- Construct retaining walls
- Reconstruct section of trail
Traffic During Construction

- Option 1: On-Site Traffic Diversion
Traffic During Construction

Option 2: Road Closure – Preferred Alternative
- Construction through winter
- Road closed Oct. 1, 2022 to Apr. 30, 2023

Why is road closure preferred?
- An on-site traffic diversion would result in:
  - greater environmental impacts
  - longer construction
  - higher project cost
  - additional maintenance needs
Traffic During Construction

- Option 2: Road Closure – Preferred Alternative
  - Construction through winter
  - Road closed Oct. 1, 2022 to Apr. 30, 2023

- Other road closure details:
  - SD244 only closed at the bridge replacement
  - Access east of the bridge maintained from the east
  - Access west of the bridge maintained from the west
  - SDDOT will conduct winter maintenance on SD244 east and west of the project through construction
Right of Way (ROW)

- Existing Width - 200 feet
- Temporary Easements as needed for construction
- No additional ROW proposed

See Handout
The National Environmental Policy Act of 1969 (NEPA) requires that federally funded projects be reviewed to determine the social, economic, and environmental consequences of the action. Public involvement is beneficial to the implementation of a project’s NEPA process. This project is being developed in accordance with applicable State & Federal environmental regulations. Your input on the following will aid in the project’s development and NEPA review.

Section 4(f) Property
The project was reviewed to determine potential impacts to Section 4(f) properties, i.e. publicly owned parks, recreational areas, wildlife & waterfowl refuges, or public & private historical sites. The project lies within the Black Hills National Forest. A recreational horse trail begins at the KOA campground north of the highway, extends under the existing bridge, then continues south. The horse trail will be temporarily closed during project construction; and will reopen after construction.

Section 106
Section 106 of the National Historic Preservation Act requires Federal actions to take into account the effects of project undertakings on historic properties.
Contaminated Materials
No contaminated materials have been identified along the project, to date. If you have information on contaminated materials, or underground/above ground storage tanks that could be encountered during construction, please let us know.

Threatened & Endangered Species
According to the U.S. Fish & Wildlife Service, the following species are known to occur in Pennington County:

- Birds: Whooping Crane, Red Knot, Least Tern
- Mammals: Northern Long-Eared Bat

Awaiting a final determination, but at this time no impacts are anticipated to these species by the project.
Environmental, Social & Economic Concerns

**Wetlands**
Federal regulations require that unavoidable wetland impacts caused by highway construction be mitigated. If you are interested in creating or restoring wetlands on your property, please complete the Wetland Mitigation Registry Form in the handout.

Awaiting final impact analysis, but no significant impacts are anticipated to wetlands along the project. SDDOT Environmental Office is coordinating with U.S. Army Corps of Engineers.
Estimated Cost

$2.4 Million
<table>
<thead>
<tr>
<th>Landowner Meetings</th>
<th>Already held</th>
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<tbody>
<tr>
<td>Final Design</td>
<td>Spring 2020</td>
</tr>
<tr>
<td>ROW Acquisition Process</td>
<td>Spring 2021</td>
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<tr>
<td>Construction</td>
<td>Fall 2022 – Spring 2023</td>
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</tbody>
</table>

Dependent on Federal Funding
Written Comments Due Monday, March 23
- Mail - 700 E Broadway Ave, Pierre, SD 57501
- Email – mark.malone@state.sd.us
- Here - Now

Website (project information)
Q&A

You have Questions

We have Answers
Meeting Opinions

Please fill out the survey at the back of the project information packet

OR online at this address:
http://www.surveymonkey.com/r/SDDOT-Public-Meeting-Survey

OR follow this link:

Thank you!