

Public Meeting

**U.S. Highway 16
At the Intersection with Neck Yoke Road
Pennington County**

NH-PH-B 0016(91)60 PCN 06X3

**Mark Malone, PE
Road Design Engineering Supervisor**

Tuesday, Nov. 22, 2022

Purpose of the Meeting

**Involve the public
in the planning
and design process**

**Provide a Project
Overview**

**Gather Input and
Comments**

- **Background Information**
- **Proposed Project**
- **Project Schedule**

Project Limits



Background Information

Grading in 1962 / 1964 / 1966
Structures in 1964

Resurfaced in 2010 / 2013

Last surface Improvement in 2013 / 2016

Traffic

**2026 Average Daily Traffic (ADT) = 16,000 East of Neck Yoke Road
= 14,000 West of Neck Yoke Road**

**2050 Projected ADT = 20,500 East of Neck Yoke Road
= 18,000 West of Neck Yoke Road**

3.0% Average Truck Traffic

Crash History

24 Reported Crashes

- 13 Animal Hit
- 4 Fixed Object Off Road
- 3 Angle-Intersection
- 2 Sideswipe Overtake
- 1 Angle No-Intersection
- 1 Other

4 Injury

1 Fatality

**5 Year Period
from 2017 to
2021 for EB & WB**

- Reported Crash Rate

= 2.06 for EB

= 1.26 for WB

- Statewide Weighted
Crash Rate = 1.46
(crashes per million
vehicle miles of travel)

**Rural Principal
Arterial**

Areas for Improvement

High severity crash rate

Multiple, closely-spaced driveways

Narrow median

Bridges near end of service life

Proposed Improvements

Construct a reduced conflict intersection at Neck Yoke Road

Replace bridges over Spring Creek

Extend roadway lighting

Add right turn lanes

Reduced Conflict Intersection



<https://www.youtube.com/watch?v=c5pBnuu1Cno>

Access Management

Provide safe,
efficient access to
streets and
highways

By limiting the
number of direct
accesses to major
roadways

See Handout

Right of Way (ROW)

Existing width varies from 300 to 328 feet

Purchase additional ROW as needed

Temporary easements as needed for construction

See Handout

Encroachments

**Private
Property in
Public ROW**

**Federal Highway Regulations for
Safety**

Examples

- **Signs**
- **Private Use (Parking)**
- **Landscaping Items**

Notification

**Owners of Encroachments will be
notified by the Rapid City Area
Office**

See Handout

Utility Coordination

**Some Utilities
may need to be
relocated**

Black Hills Electric Cooperative
Montana Dakota Utilities
Bluepeak (Formerly Vast Broadband)
SDN Communications

**Utility Companies
negotiate
easements with
landowners**

Midcontinent Communications
Lumen (Formerly Century Link)
SDDOT

See Handout

Utility Coordination

**Any Known
Private Utilities?**

Contact SDDOT

See Handout

Water Lines

Drain Fields

Septic Tanks

Underground Storage Tanks

Underground Power Lines

Environmental, Social and Economic Concerns

This project is being developed in accordance with applicable State and Federal environmental regulations.

- **National Environmental Policy Act of 1969 (NEPA), as amended.**
- **Section 106 of the National Historic Preservation Act** (No historic or archaeological sites are anticipated to be impacted by the project)

See Handout

Environmental, Social and Economic Concerns

- **Section 404 of the Clean Water Act** (There may be impacts to wetlands with the replacement of structures over Spring Creek. Any permanent wetland impacts would be mitigated and would require permitting under Section 404 of the Clean Water Act from the United States Army Corps of Engineers. It is assumed that the permit effort would be limited to a Section 404 Nationwide Permit.)
- **Section 4(f) of the USDOT Transportation Act of 1966** (No Section 4(f) resources will be impacted by the project.)

See Handout

Environmental, Social and Economic Concerns

- **Section 7 of the Endangered Species Act**

The U.S. Fish and Wildlife Service will review the project to determine if it will impact the following species that are known to occur in Pennington County:

- Birds: Red Knot
- Mammals: Northern Long-Eared Bat
- Insects: Monarch Butterfly

No impacts are anticipated to these species by the project.

See Handout

Construction Traffic Control

Open to
Traffic

Phased
Construction

Construction Traffic Control

Phased Construction

Post-Rally 2025

Crossovers and portions of new Neck Yoke Road grading

Pre-Rally 2026

Reconstruct westbound lanes – Maintain full access at Neck Yoke Road, one right-in/right-out eastbound and westbound east of Neck Yoke Road

Post-Rally 2026

Reconstruct eastbound lanes – Maintain full access at Neck Yoke Road, one right-in/right-out eastbound and westbound east of Neck Yoke Road

Pre-Rally 2027

Complete median work and relocation of Neck Yoke Road

Landowner Meetings

Spring 2023

Landowners adjacent to the project will be contacted individually by SDDOT to schedule a meeting

Discussion Items

Driveway locations/widths

Fences

Drainage

Trees

Temporary Easements or ROW acquisition

See Handout

Tentative Project Schedule

Dependent on Federal Funding

Spring
2023

Landowner
Meetings

Summer
2023

Final Design

2023-
2024

ROW
Acquisition

Post-Rally
2025

Begin
Construction

Estimated Cost: \$12.8 million

Questions or Comments

by: **Friday, Dec. 9, 2022**

submit to:

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website:

https://dot.sd.gov/projects-studies/projects/public-meetings#listItemLink_1824

