Presentation will begin at 5:40 p.m.

US16 Corridor Study
Public Information Meeting #1
July 23, 2019
Housekeeping Items

- Please sign-in
- Comment card and handout
- Study website: www.us16corridor.com

Meeting format
- Introductory presentation
- Open house

Methods to provide feedback
- Comment cards
- Study website
- Study contact (email, phone, mail)
- Commuter surveys
Purpose of Today’s Meeting

1. Introduce the study
2. Gather feedback on US16 corridor transportation needs
3. Solicit input on the Draft Purpose and Need statements
Study Team

- Study Contacts

<table>
<thead>
<tr>
<th>Jon Wiegand</th>
<th>Steve Gramm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Consultant (HDR) Project Manager</td>
<td>SDDOT Project Manager</td>
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</tbody>
</table>

- Study Advisory Team

- Study Consultant

![HDR Logo]

![FEC Logo]
Study Area

- US16
- Catron Boulevard/US16 Bypass
- Neck Yoke Road
- US16 Service Roads
- US16 Ramps at Rockerville
Study Goals

Develop a long-range plan for the US16 corridor.

- US16 & US16B/Catron Boulevard intersection
- US16 & Neck Yoke Road intersection
- Corridor lanes and access
  - Service roads
  - Auxiliary lanes,
  - Ramps,
  - Traffic control, etc.
- Environmental documentation

Single Point Interchange

Displaced Left-Turn Intersection (Continuous Flow Intersection)
Study Process and Schedule

**2019**
- Apr: Gather/Analyze Information and Identify Issues
- May: Develop and Evaluate Concepts
- Jun: Study Process and Schedule
- Jul: Environmental Review
- Aug: Conduct Environmental Scan, Develop Environmental Documents, and Submit Final Environmental Documents
- Sep: Public Meeting #1
- Oct: Public Meeting #2
- Nov: Public Meeting #3
- Dec: Final Reports

**2020**
- Jan: Determine, Analyze, and Refine Scenarios
- Feb: Develop Corridor Study Reports
- Mar: Environmental Review
- Apr: Determine, Analyze, and Refine Build Options
- May: Develop Intersection Reports
- Jun: Submit Final Corridor Study Reports
- Jul: Final Reports
- Aug: Final Reports
- Sep: Final Reports
- Oct: Final Reports
- Nov: Final Reports
- Dec: Final Reports
Future Study Area Projects

- 2019 – 2022 SDDOT
  - US16B & Healing Way traffic signal (2019)
  - US16 & Neck Yoke Road intersection lighting (2019)
  - High friction surface treatment southwest of Neck Yoke Road area (2019)
  - US16 intersection turn lanes (2019/2020)

- 2023 – 2026 SDDOT
  - US16 & US16B/Catron Blvd intersection (FY 2026)
  - US16 & Neck Yoke Road intersection (FY 2026)
Transportation Needs Examples

- Traffic
  - Future-year forecasts & operations (2050)
  - Route reliability
  - US16 service roads
  - Development impacts

- Safety
  - Intersection warrants
    - Traffic signals
    - Turn lanes

- Access

- Winter weather

- Intelligent Transportation Systems (ITS)

- Bicycle and pedestrian facilities
Design Season Daily Traffic Volumes

2019 Volumes
2050 Forecasts

- 11,250
- 13,000
- 17,000
- 19,250
- 15,000
- 16,500

- 16,500
- 18,000
- 23,500
- 25,000
- 29,000
- 29,000

East Limits: Cathedral Drive/Fairmont Blvd

US16B/ Catron Blvd

Neck Yoke Road

US16 Corridor Study Area

Rockerville

West Limits: Keystone Wye (US16/US16A)
AM & PM Peak Hour Traffic Operations Summary

Example traffic operations needs:

- US16/US16B/Catron Boulevard intersection long-term operations
- Development-driven traffic growth and changing traffic patterns
  - Access plan
  - Intersection configuration
  - Intersection traffic control
  - Local roadway network connectivity
  - Service road operations
  - Maintain intended function of US16 corridor

- 580 total crashes
  - 73% segment
  - 27% intersection
- 24 fatal or serious injury crashes
- 48% vehicle-animal crashes
- June and November highest frequency months
  - 44% of all occurred at night
Crash History Review (2014-2018)

Example locations with identified safety needs:

- US16/US16B/Catron Boulevard intersection
- Neck Yoke Road intersection
- Horizontal curve and steep grade southwest of Neck Yoke Road area
- Strato Rim Drive to Wilderness Canyon Road area
- Rockerville area
US16/US16B/Catron Boulevard Intersection: Draft Purpose and Need

- **Purpose:** To improve traffic operations and safety and support the planned mix use urban development that is occurring in the area.

- **Needs:**
  - Poor traffic operations
  - High crash rates
  - Rapidly urbanizing land use
US16/Neck Yoke Road Intersection: Draft Purpose and Need

- **Purpose:** To improve safety and access management in the area of Neck Yoke Road.
- **Needs:**
  - High weighted crash rate (severe crashes)
  - Multiple access points
  - Narrow median separation
Next Steps…

- Compile feedback and complete analysis
- Corridor: develop concepts
- US16/US16B/Catron Blvd and US16/Neck Yoke Road intersections: refine build options
- Present refined Build Option intersections to public and stakeholders – Late Fall/Winter 2019
Today’s Open House

Display Boards

- Traffic Volumes and Operations
- US16/US16B/Catron Boulevard Intersection Layouts
  - Single Point Interchange
  - Displaced Left-Turn Intersection
- Draft Purpose and Need Statements and Environmental Considerations
- Aerial Maps with Parcel Boundaries
Thank You!

- Please provide feedback on corridor transportation needs
  - Deadline: August 6, 2019

- Study website: www.us16corridor.com

- Next Meeting: Late Fall/Winter 2019

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**Study Contacts**

**Jon Wiegand**
Consultant (HDR) Project Manager
605-782-8105
jonathan.Wiegand@hdrinc.com

**Steve Gramm**
SDDOT Project Manager
605-773-6641
Steve.gramm@state.sd.us