Public Meeting

IM 0909(92)387  PCN 06G8
I-90 Exit 387
And
463rd St – from Jeffrey St to Diamond Trail
Hartford, SD

Ben White, PE, LS
HR Green Project Manager

Stacy DuChene, PE
SDDOT Project Manager

September 14, 2021
Purpose of the Meeting

Involve the Public in the Design Process

Provide a Project Overview
- Background Information
- Proposed Project
- Project Schedule

Gather Input and Comments
Bridge is nearing the end of its service life

Bridge has been struck by overheight loads on I-90

New bridge will accommodate pedestrians

Interchange and Environmental Study completed (2018 – 2020)

Standard Diamond Interchange Selected
Traffic

Approximately 8.6% Average Truck Traffic
Crash History

Western Avenue and I-90 Ramp Terminals

261st Street to Mickelson Road

-22 Total Crashes (6 with injuries or possible injuries)
-10 Angle
-6 Rear-End
-4 Single-Vehicle
-2 Sideswipe

I-90 Eastbound Ramp Terminal Intersection

-4 Crashes (1 with injuries)
-2 Angle
-1 Rear-End
-1 Single-Vehicle

I-90 Westbound Ramp Terminal Intersection

-4 Crashes (1 with possible injuries)
-3 Rear-End
-1 Sideswipe
Proposed Improvements

- New Entrance/Exit Ramps
- Bridge Replacement with Pedestrian Accommodations
- Reconstruct Western Avenue from south of Jeffrey to Diamond Trail
- City of Hartford anticipates reconstructing Western from Diamond Trail to Mickelson Rd
- Interchange Lighting
Proposed Typical Section

Interchange Ramps
Proposed Typical Section

Western Avenue / 463rd Avenue

5’ Sidewalk (West Side)

Center Turn Lane

10’ Shared Use Path (East Side)

This point is grade referred to on plans profile
Proposed Typical Section

Frontage Road – SW Quadrant of Interchange
Proposed Typical Section

Bridge

62' - 4" Overall
42' - 0" Clear Roadway

10"
1' - 4"
6' - 0"
3' - 0"
12' - 0"
12' - 0"
3' - 0"
1' - 4"
10' - 0"
10"

Q Proposed Rdwy
25' (approx.)

Q Existing Rdwy
Access Management

Manage location and number of access points

Provide safe, efficient access to streets and highways

Relocating, combining and eliminating access points

See Handout
Right of Way (ROW)

- Existing Width varies
- 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 Mitchell Area Office

See Handout
Utility Coordination

Some Utilities may need to be relocated

Utility Companies negotiate easements with landowners (if necessary)

East River Electric Power Coop
MidAmerican Energy
Sioux Valley Energy
Minnehaha Community Water
SDN Communications
Golden West Communications
City of Hartford

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

- Section 106 of the National Historic Preservation Act (No historic or archaeological sites will be impacted by the project)

See Handout
Environmental, Social and Economic Concerns

- **Section 404 of the Clean Water Act** (Wetlands impacted by the project will be mitigated)

- **Section 4(f) of the USDOT Transportation Act of 1966** (No permanent impacts to Section 4(f) Resources)

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 Minnehaha County:
  - Mammals: Northern Long-Eared Bat

No impacts are anticipated to these species by the project.
Construction Traffic Control

1 Year Project
Anticipated to Begin in 2025

Traffic to be maintained across I-90 throughout construction

Ramps on West Side
Anticipated to be Closed During Construction.
Temporary Ramps Anticipated to be installed for Ramps on East Side. Partial Closures will be necessary.
Construction Phasing

EXISTING BRIDGE SECTION

STAGE 1

36’ - 10” (Stage 1 Construction)

Varies 5.5’ to 6.2’

26’ - 4”

Elev. 1634.53
Sta. 18+24.30

Elev. 1629.20
Construction Phasing

STAGE 2

COMPLETED BRIDGE SECTION
Construction Phasing

Western Ave Staging
Proposed Detour Routes
Landowners adjacent to the project will be contacted individually by SDDOT to schedule a meeting (December of 2021)

Discussion Items:
- Driveway locations/widths
- Sidewalk and Curb Ramps
- Fences
- Drainage
- Trees
- Temporary Easements or ROW acquisition

See Handout
Estimated Cost: $22.7 million

Tentative Project Schedule

Dependent on Federal Funding

- Winter 2021 Landowner Meetings
- 2021 thru 2022 Final Design
- 2023 thru 2024 ROW Acquisition
- 2025 Construction

Estimated Cost: $22.7 million
Submit Questions and/or Comments:

by: September 28, 2021

to:

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Public Meeting Information can be found at:
https://dot.sd.gov/projects-studies/projects/public-meetings