

PUBLIC MEETING US HIGHWAY 14 (EUCLID AVENUE)

**From Sioux Ave. to Divided Hwy W of SD1804
Pierre, Hughes County, SD
NH 0014(185)229 PCN 026Z**



PURPOSE OF THE MEETING

- Involve the public in the design process
- Provide a Project Update – Post 2017 Project Study Public Meetings
 - Background Information
 - Proposed Project
 - Project Schedule
- Gather Input and Comments



PROJECT TEAM

- Contacts

Pete Longman, PE
SDDOT Consultant Manager

Dustin Hamilton, PE
Consultant (HDR) Project Manager



PROJECT LIMITS



BACKGROUND INFORMATION

- Grading Projects 1932, 1937
- Base Course and Asphalt Surface 1938
- Grading 1962
- Pavement Restoration/Overlay 1968
- Traffic Signals 1974, 1978
- Traffic Signal Interconnect 1982
- Resurfacing 1996
- Mill & Asphalt Resurfacing 2003
- Sioux Avenue Intersection 2005
- Study/Review in 2016/17



TRAFFIC

The traffic volumes and vehicle types are used to guide design decisions.

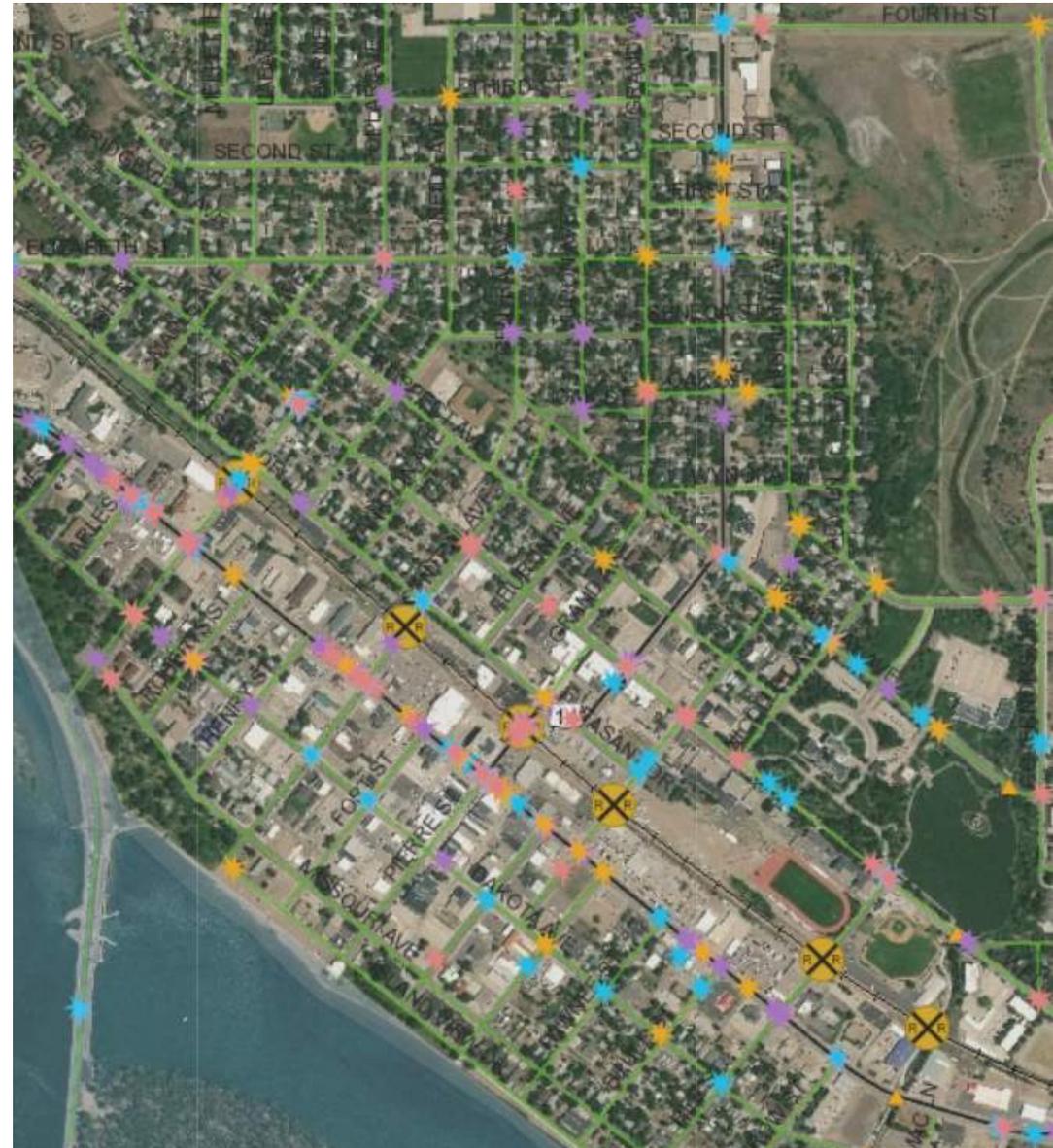
- Traffic forecasts have been updated since prior study
- Resulted in modifications to typical section and selected intersection controls as a result of updated traffic operations analysis



CRASH HISTORY

Reported from 2018 Planning Study Final Report (crashes 2011-2015)

- 25 Reported Segment Crashes
 - 0 fatal, 2 non-incapacitating injury, 2 possible injury, 21 PDO crashes
- 55 Reported Intersection Crashes
 - 0 fatal, 3 incapacitating injury, 7 non-incapacitating injury, 10 possible injury, 35 PDO crashes
- Crash trends noted at:
 - RCPE Bridge structure
 - Segment from Broadway to Capitol (sight distance noted as common factor)
 - Sioux Ave./Pierre Street – Ped. collisions



NEED FOR PROJECT

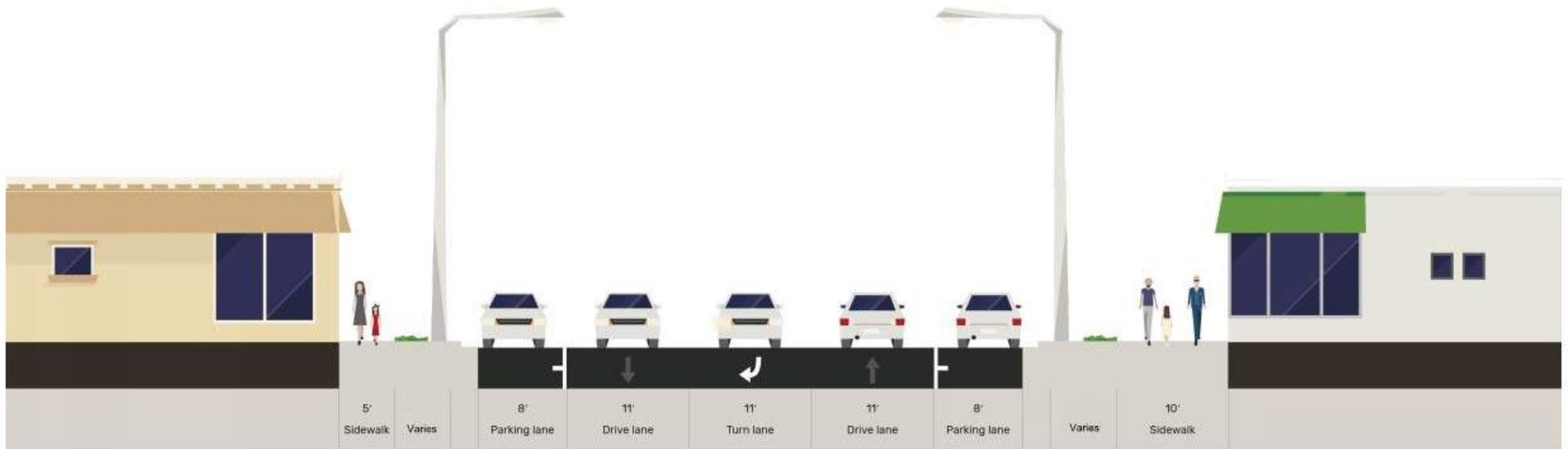
- Roadway Typical Section
- Intersection Controls
- Surfacing (existing surface 20+ years old)
- Pedestrian/Bike Needs
(Lack of ADA accessibility)
- Storm Drainage (50 to 85+ years old)
- City Utilities (by City of Pierre)



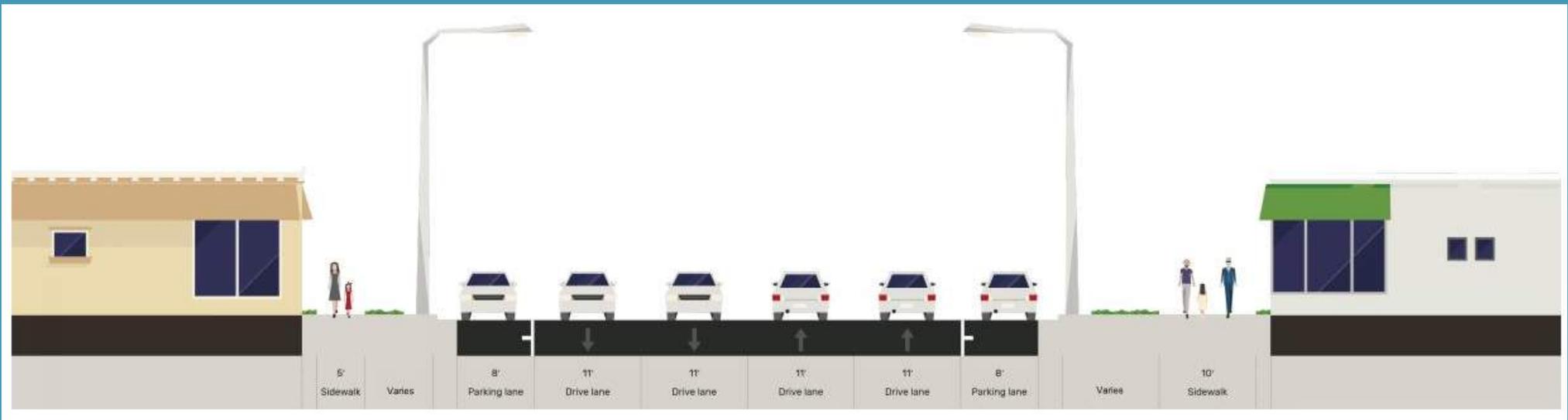
PROPOSED IMPROVEMENTS

- Updated Cross-section - combination of 3, 4, and 5 lanes with parking where possible
- New traffic signals at Capitol, Broadway, Elizabeth
- Additional traffic signal at 4th Street
- ADA upgrades and shared 10' sidepath on east side, pedestrian push-buttons at Sioux Ave.
- Storm sewer system
- Surfacing and curb and gutter
- New roadway lighting
- Replacement of over-height detection system for RCPE structure

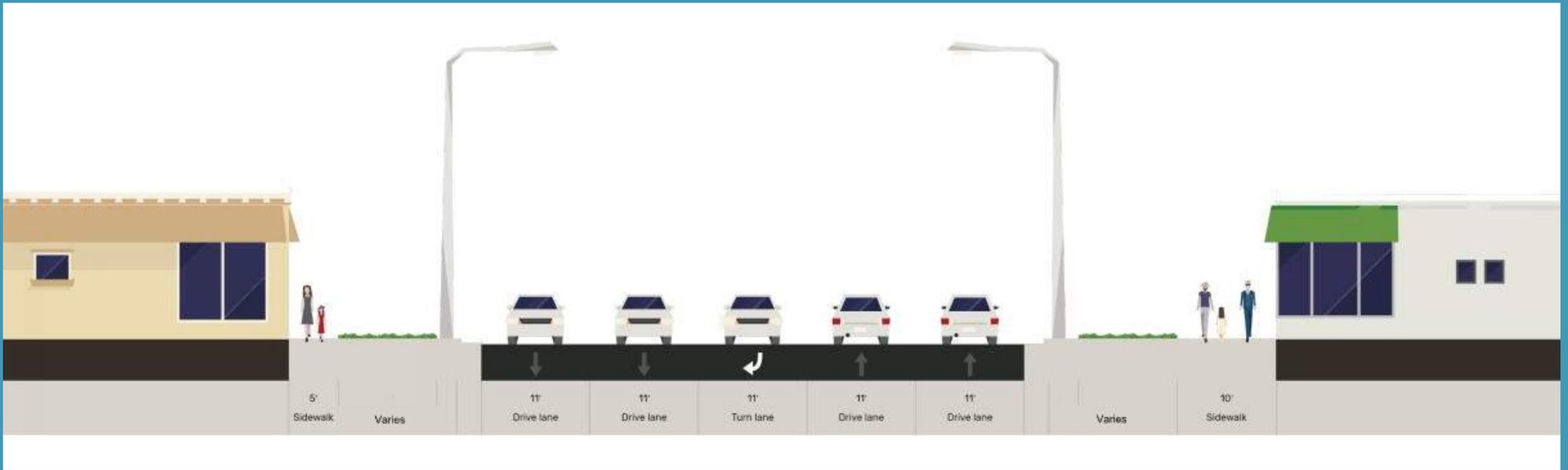




PROPOSED TYPICAL 3 LANE SECTION (SIOUX AVE. TO BROADWAY AVE.)



PROPOSED TYPICAL 4 LANE SECTION (WYNOKA AVE. TO ELIZABETH AVE.)



PROPOSED TYPICAL 5 LANE SECTION (ELIZABETH AVE. TO DIVIDED HIGHWAY)

ACCESS MANAGEMENT

- Provide safe, efficient access to highways
- Limit number of direct entrances to major highways
- Proposed changes will be discussed during landowner meetings



RIGHT OF WAY (ROW)

- Existing Width – Varies between 80 and 100 feet
- Purchase additional ROW – as needed in specific locations for ped ramps and intersection improvements
- Temporary Easements as needed for construction
- ROW and Temporary Easements will be discussed in more detail during Landowner Meetings

ENCROACHMENTS

- Encroachments – Private Property located within the Public ROW
 - Federal Highway Regulations Safety
- Examples of Encroachments
 - Signs
 - Private Use (Parking)
 - Landscaping Items
- Owners of encroachments will be notified by Pierre Area Office

UTILITY COORDINATION

- Some utilities may need to be relocated
- Utility companies may negotiate easements with landowners as necessary

UTILITY COORDINATION

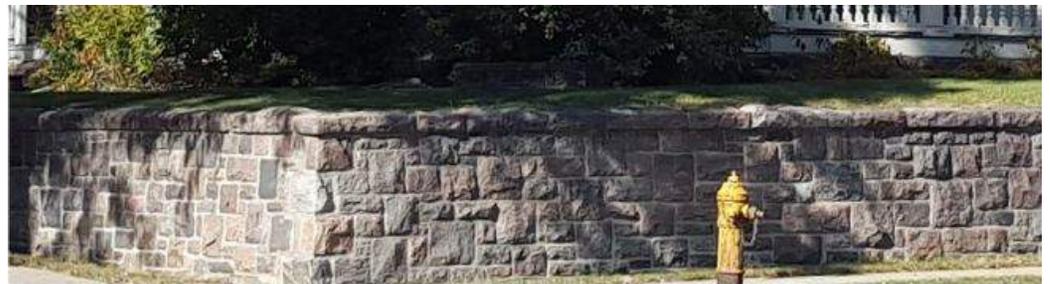
- Any Known Private Utilities?
 - Waterlines
 - Drainfields
 - Septic Tanks
 - Underground Storage Tanks
 - Underground Power Lines
- Contact SDDOT

ENVIRONMENTAL, SOCIAL & ECONOMIC CONCERNS

- Cultural resources are being evaluated with no anticipated impacts (Historic Districts/Retaining Walls/Historic Structures)
- Possible wetland impacts (Hilgers Gulch)
- Threatened & Endangered Species – no anticipated impacts
- Section 4(f) & 6(f) - 4(f) impacts being reviewed for Hilgers Gulch and anticipating a *de-minimis* impact



Aerial Image Courtesy of Google Maps



Photos Courtesy of U.S. 14 Reconstruction Planning Study – SDDOT website

ENVIRONMENTAL, SOCIAL & 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
 - Coordination has been initiated with State and Federal resource agencies



CONSTRUCTION TRAFFIC CONTROL

- Construction Traffic Control Plans are being developed
- It is anticipated the road will be open during construction, reserving option for full block closures, where possible to expedite construction
- Delays should be expected when traveling through work zones
- Additional meetings on construction traffic control as design/plans progress

Photo Courtesy USDOT Website



LANDOWNER MEETINGS

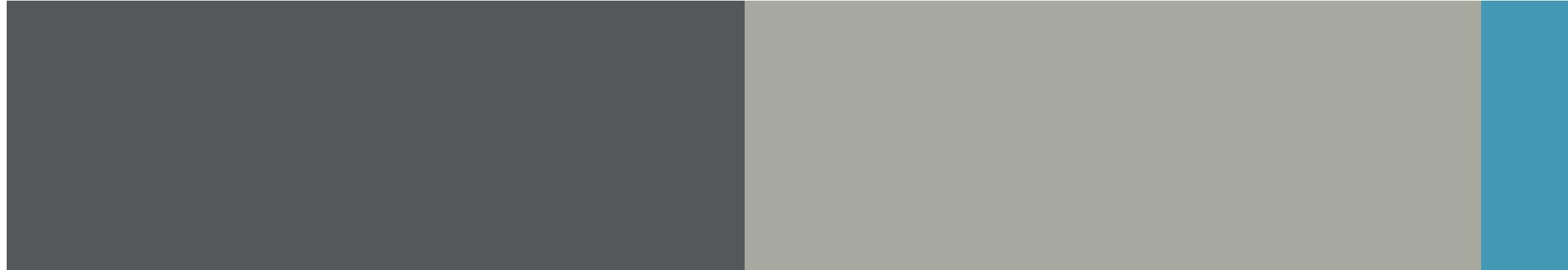
- August 2020
 - Will be contacted by SDDOT to schedule appointment
- Held with individual landowners adjacent to the project
 - Driveway location/width
 - Fence
 - Drainage
 - Trees
 - Temporary easements or ROW acquisition



TENTATIVE PROJECT SCHEDULE

Task	Date
Landowner Meetings	August 2020
Final Design	Late 2020/Early 2021
ROW Process	2021
Construction	2023

- Estimated Cost : \$9.328 Million



OTHER PROJECTS IN THE AREA

FY	Status	PCN	Project #	Location	Description
2020	Programmed	05HX	NH 0014(220)239	US14 – Fm Approx 7 mi E of Pierre to N US83 Jct.	Crack & Seat PCCP, AC Resurfacing, Lighting
2021	Programmed	03WN	NH 0014(194)227	US14 – Missouri River Bridge at Pierre	Replace Structure (Bridge), Intersection Improvements, Preliminary Engineering
2021	Programmed	04XQ	NH 0014(208)230	US14 – Fm W of SD1804 to the US83 N Jct. (Blunt Jct.)	AC Surfacing, Pipe Work

QUESTIONS OR COMMENTS

Please submit Questions or Comments from
May 9, 2020 through June 6, 2020 to:

Dustin Hamilton, PE

HDR

703 Main Street, Suite 200

Rapid City, SD 57701

Dustin.Hamilton@hdrinc.com

(605)-791-6103

Public Meeting Information @

<http://sddot.com/dot/publicmeetings/default.aspx>

