

SD Hwy. 231 from Sheffer St. to Mountain
View Rd. and SD Hwy. 44 from Mountain
View Rd. to 12th St.

Public Open House – March 10th, 2014

PROJECTS P 0044(167)44 PCN: 027K & PROJECT P 0231(13)79 PCN: 03CP
City/School Administration Building
300 Sixth Street
Rapid City, South Dakota



Purpose of this Meeting

- Involve Public in Design Process
 - Project Scope
 - Current Layout
 - Schedule

- Gather Public Input
 - Questions
 - Comments

Contacts

SDDOT

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Project Manager

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City of Rapid City

Michelle Schweitzer

Project Manager

394-4154

CETEC

Engineering Services, Inc.

Rich Marsh

Project Manager

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Ferber Engineering

Company, Inc.

Dave Muck

Project Manager

343-3311

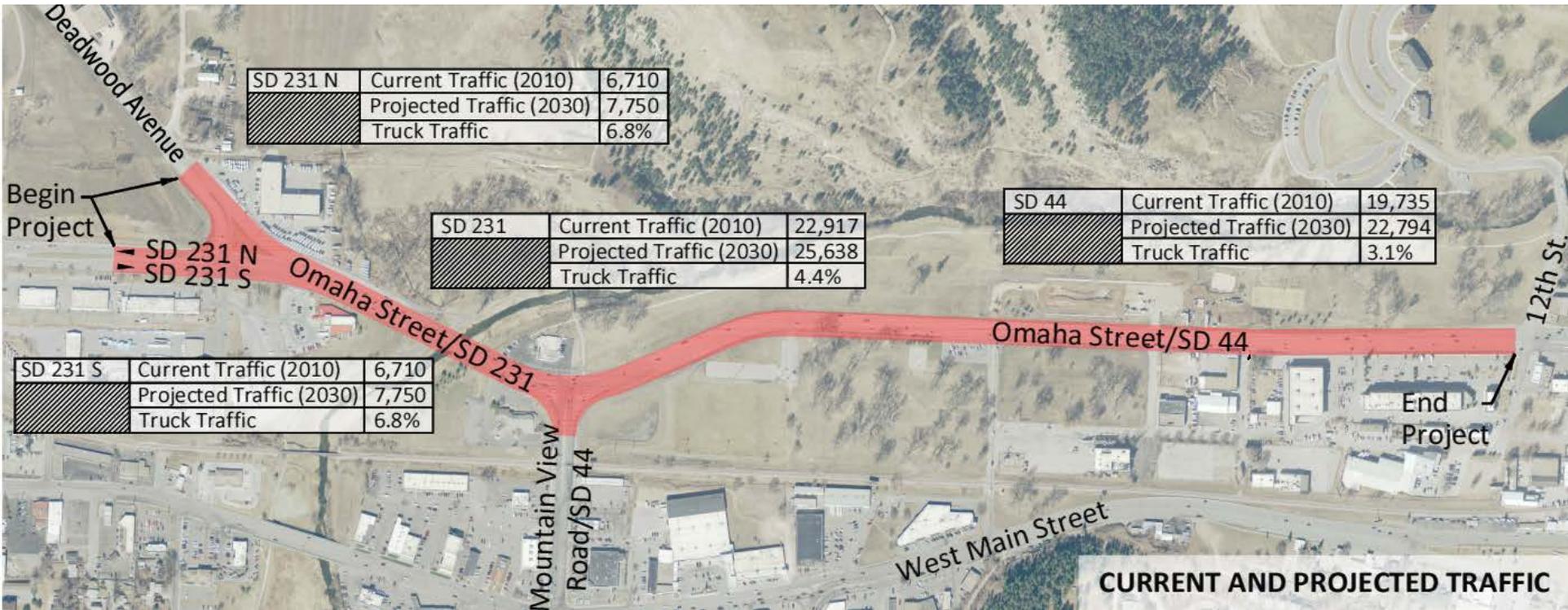
Project Location



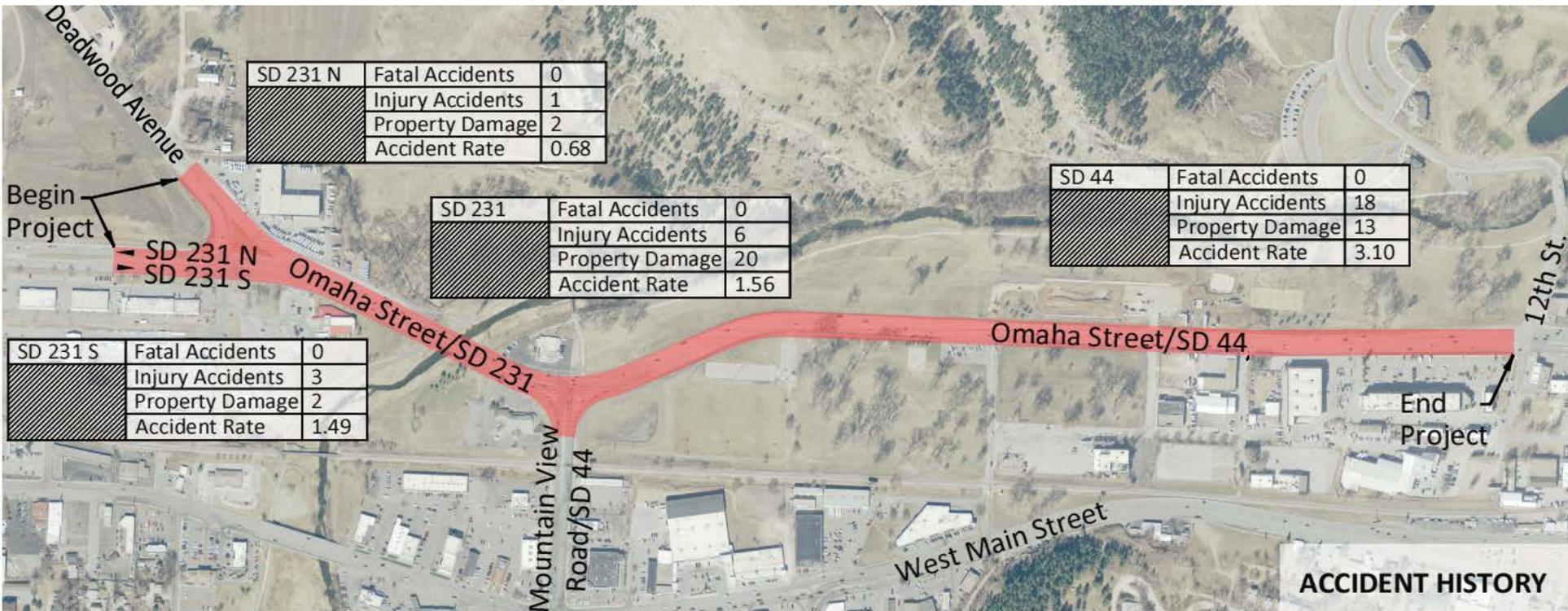
Background Information

- Pavement Constructed in 1960
- Bridge constructed in 1974
- Various Pavement Repair Projects
- Pavement is in poor condition throughout
- At end of useful life

Background Information - Traffic



Accident History



ACCIDENT HISTORY

- Accident rate state average is 2.58
 - Weighted Accident rate per million vehicle miles
- Most Accidents occur at Deadwood Ave. and Mountain View Rd. intersections

Project Improvements

- Replace deteriorating concrete pavement
- Increase traffic capacity for future
- 3' shoulder for bicycle accommodation
- Design for ADA compliance
- Improve storm drainage and storm water quality
- New roadway lighting and traffic signals
- Upgrade City Utility Infrastructure
- Access management
- Bridge widening

Proposed Design – Bicycles /Pedestrians

- Bicycles
 - 3' shoulder for bicycle accommodation on both sides of road
- Pedestrians
 - Sidewalk on South Side from Sheffer St. to Deadwood Ave.
 - Sidewalk on both sides from Deadwood Ave. to Mountain View Rd.
 - Sidewalk on south side from Mountain View Rd. to 12th Street
 - 5' sidewalk with 5'-8' grass/landscape boulevard
 - 6' curbside sidewalk

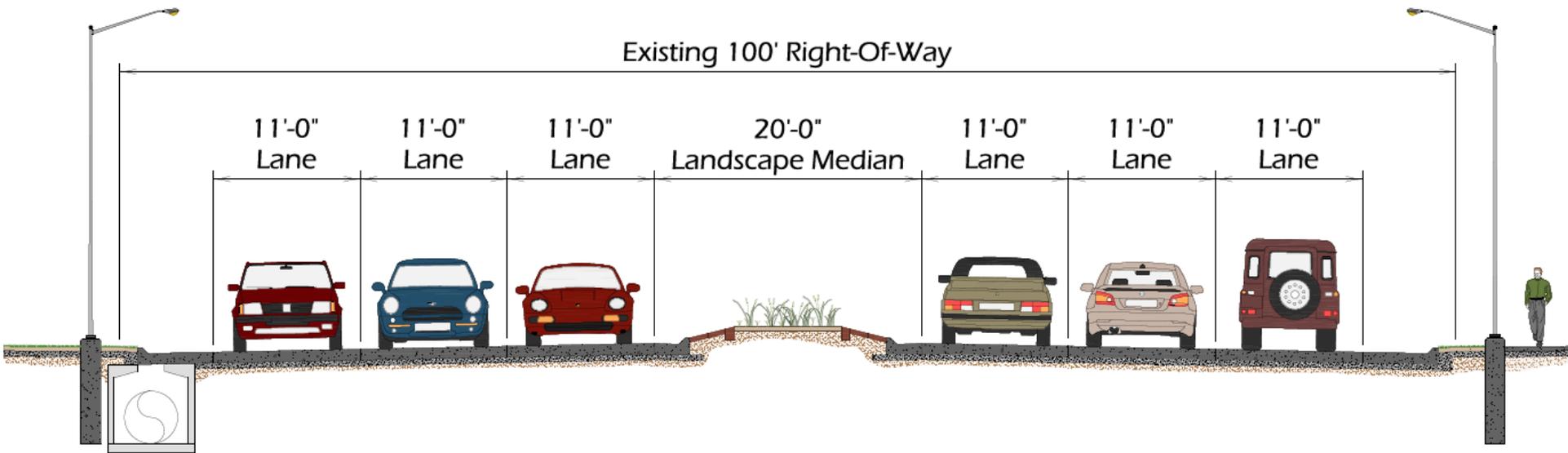
Proposed Design - Signals

- Signals will be added at Cross Street and 12th Street
 - 12th Street signals are part of a separate project to be constructed in 2014
- Signals will be replaced at Deadwood Ave. and Mountain View Rd. intersections

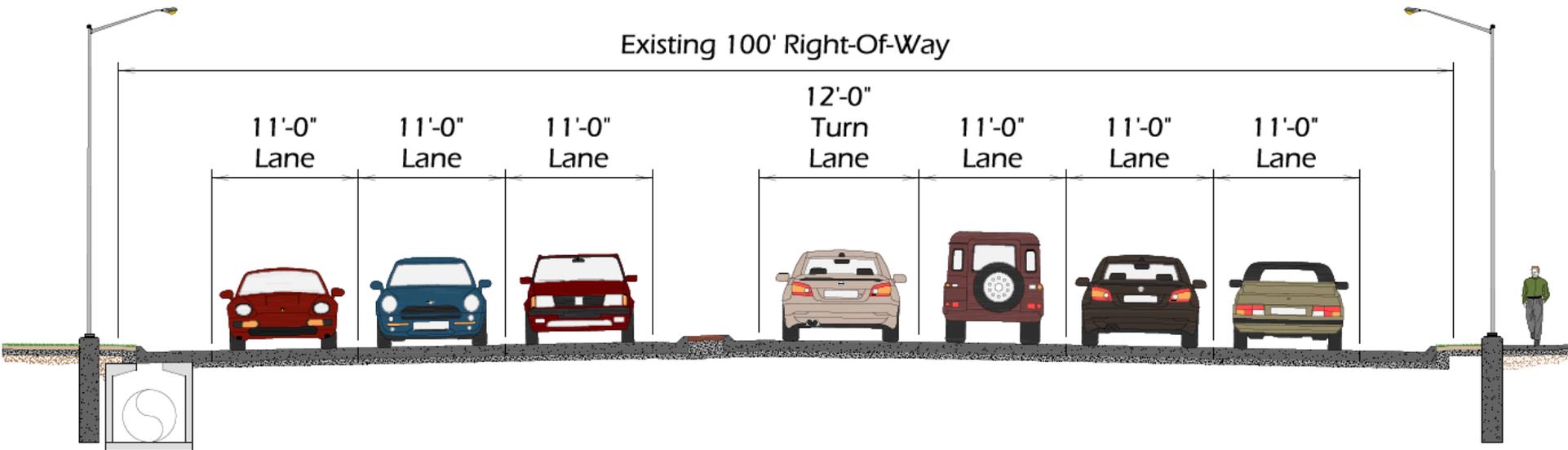
Proposed Design – Typical Section

- General Considerations
 - Medians 20'± in width
 - 8' median with 12' turn lanes
- Number of Lanes
 - 4 lanes (2 each direction) from Sheffer Street to Deadwood Ave. intersection
 - 5 lanes (3 west and 2 east) from Deadwood Ave. to Mountain View intersection
 - 6 lanes (3 each direction) from Mountain View intersection to 12th Street

Proposed Design – Typical Section

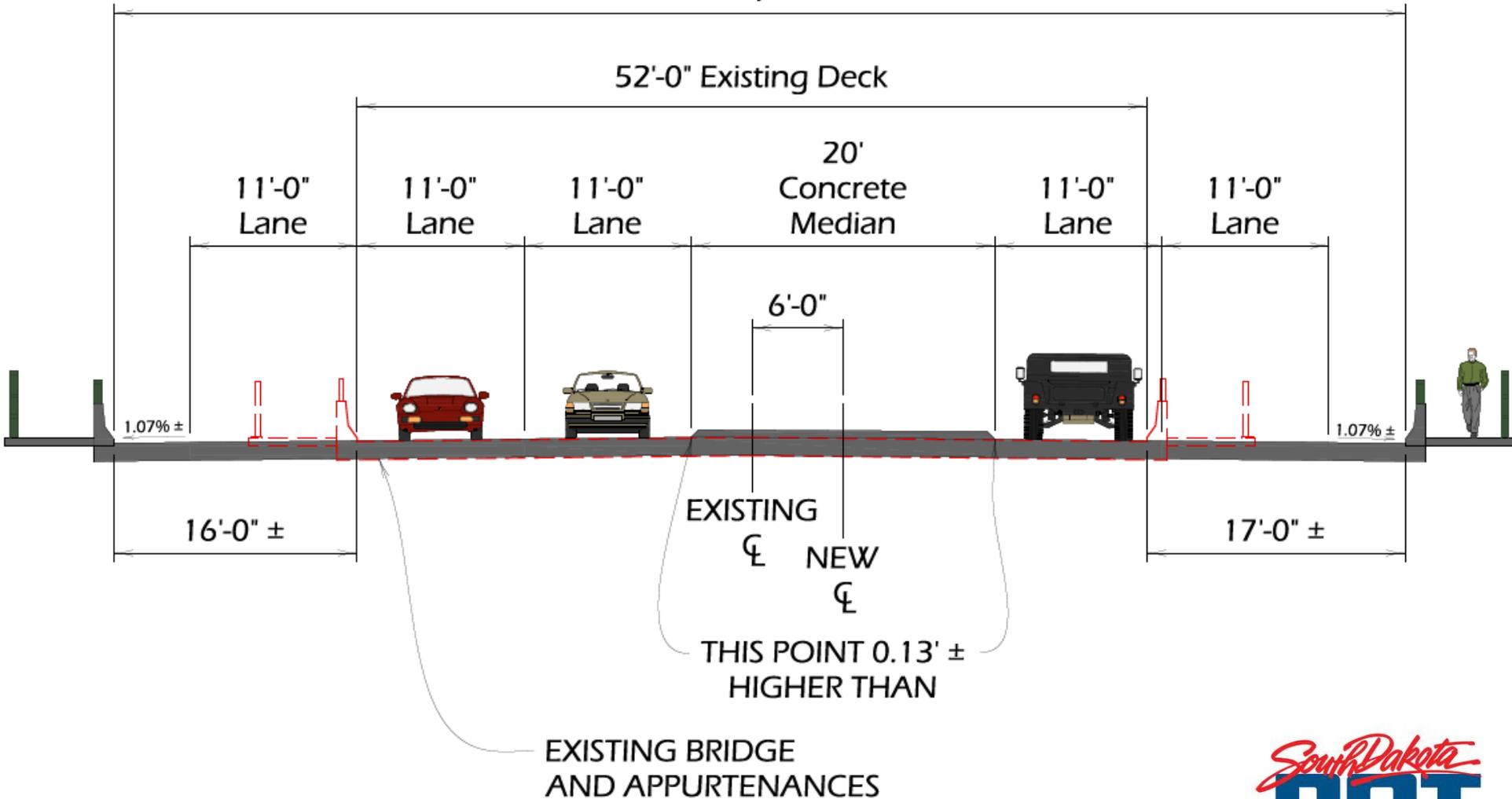


Proposed Design – Turn Lane Section



Proposed Design – Bridge Section

85'-0" ± Proposed Deck



EXISTING BRIDGE
AND APPURTENANCES

W. OMAHA ST UTILITIES RECONSTRUCTION CITY PROJECT 16-2099 OVERVIEW



- **GENERAL SCOPE:**
 - WATER MAIN RECONSTRUCTION TO IMPROVE FIRE FLOWS AND RESOLVE NONCONFORMING/NONCOMPLIANT SERVICES
 - SANITARY SEWER RECONSTRUCTION TO UPGRADE FACILITIES AND RESOLVE NONCONFORMING/NONCOMPLIANT SERVICES
 - DRAINAGE IMPROVEMENTS TO IMPROVE REGIONAL DRAINAGE SYSTEM AND TO IMPROVE STORMWATER QUALITY ENTERING RAPID CREEK
- **CITY PROJECT EXTENTS:**
 - WEST BOULEVARD TO SHEFFER STREET BETWEEN RAPID CREEK AND WEST MAIN STREET
- **FOUR CONSTRUCTION PROJECTS BETWEEN 2015 AND 2018:**
 - UTILITY AND DRAINAGE IN CONJUNCTION WITH DOT PROJECT (2017-2018)
 - DISC GOLF COURSE STORMWATER QUALITY ENHANCEMENT (2015-2016)
 - W. RAPID ST, CANAL ST AND OSHKOSH STREET UTILITY IMPROVEMENTS (2015)
 - 11TH AND 12TH STORMWATER OUTFALLS (2015-2016)



W. OMAHA ST UTILITIES RECONSTRUCTION STORMWATER

11TH AND 12TH STREET OUTFALLS
WITH SWQ FACILITIES

STORM WATER QUALITY
FACILITIES NEAR UNITED
BLOOD SERVICES AND CITY
BIKE SKILLS PARK.

STORM WATER QUALITY
FACILITIES IN DISC GOLF AND
FOUNDERS PARK.

PERMITTING OF SWQ
FACILITIES WILL BE
COMPLETED IN
ACCORDANCE WITH 4(f)
AND 6(f) OF THE LWCF ACT
THROUGH THE SDGFP

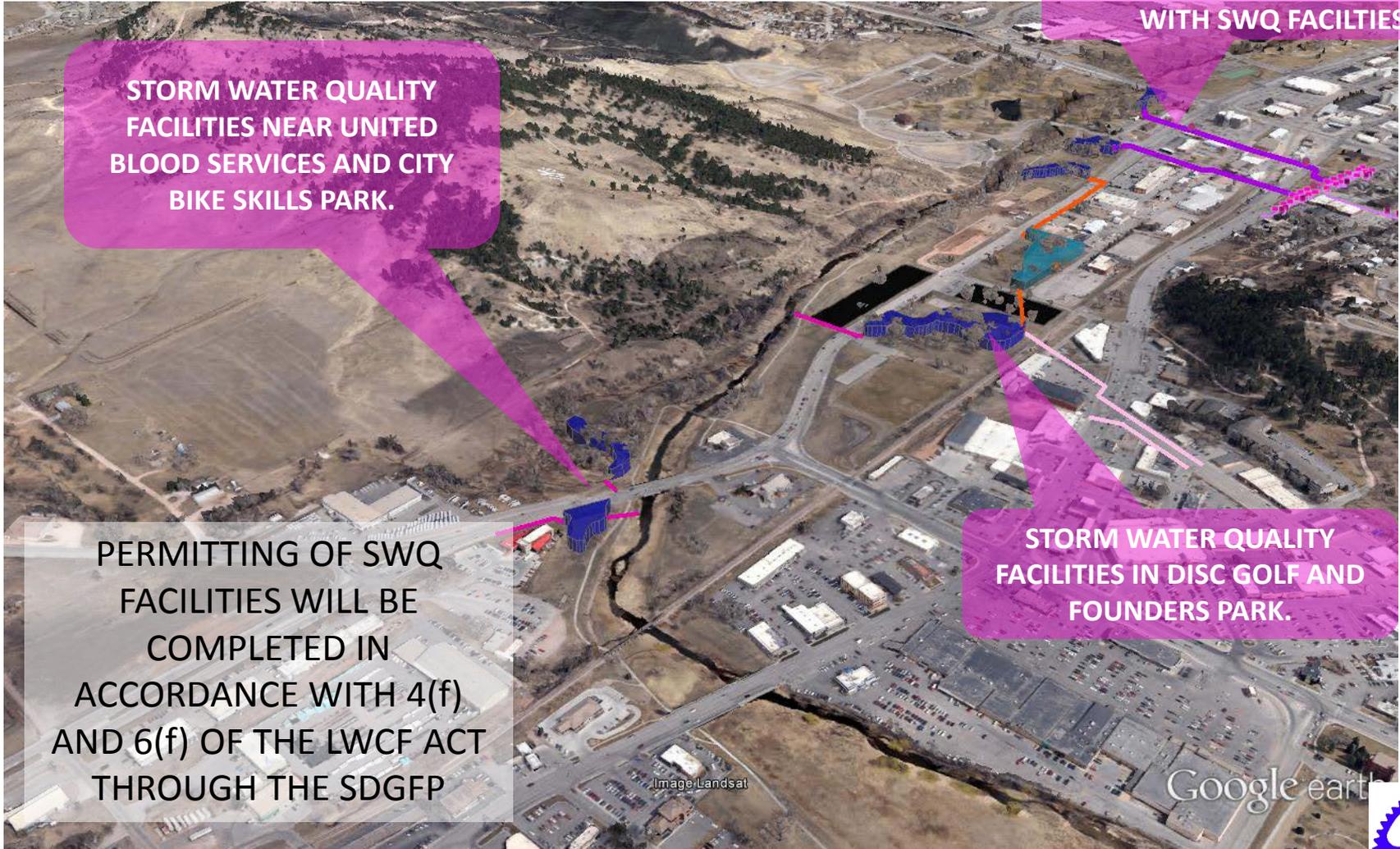


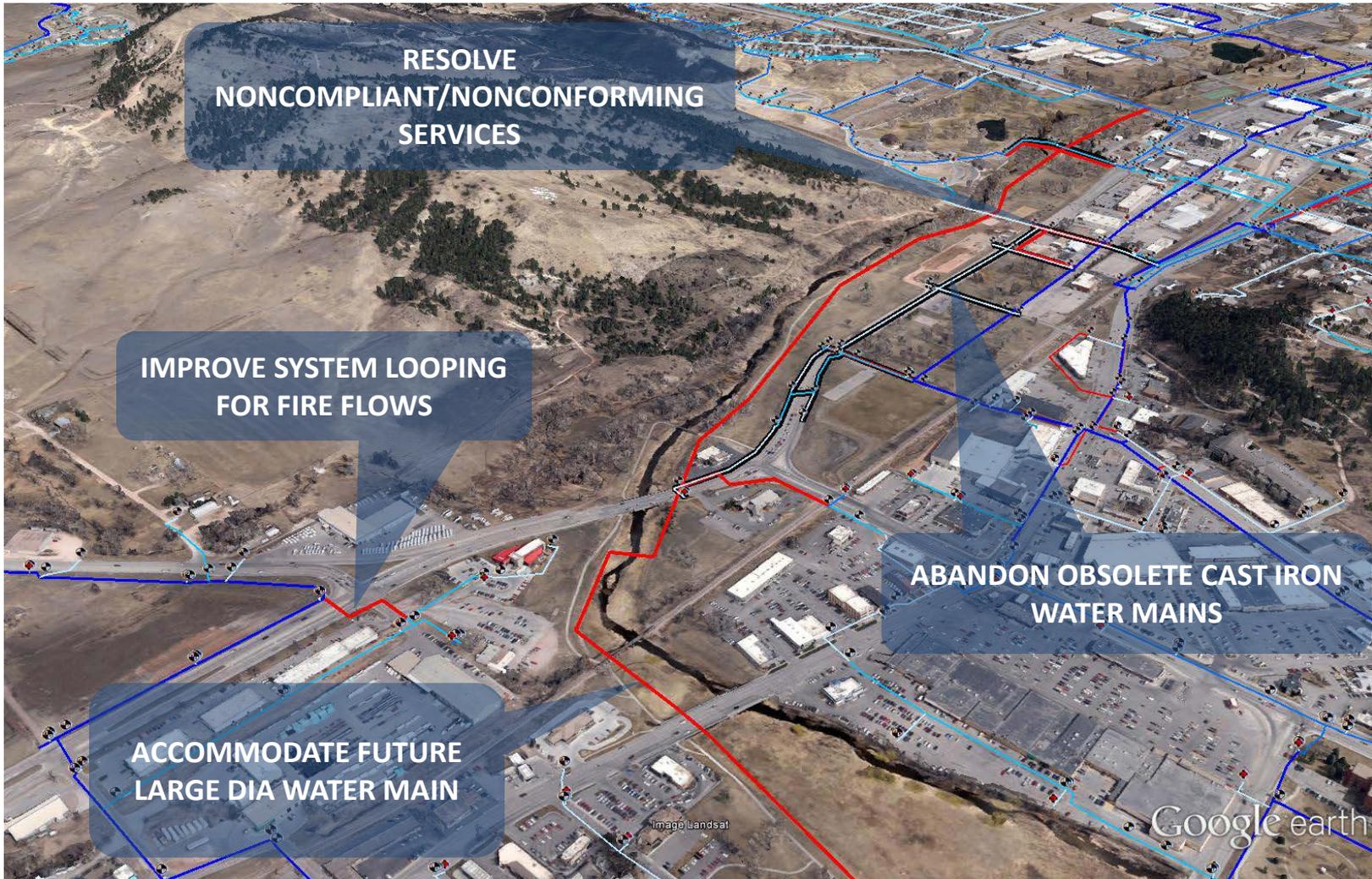
Image Landsat

Google earth

W. OMAHA ST UTILITIES RECONSTRUCTION SANITARY SEWER



W. OMAHA ST UTILITIES RECONSTRUCTION WATER SYSTEM



Right of Way

- Existing Right of Way (ROW)
 - Typically 100' wide
 - Will need 105' to 110'; acquisition will be necessary
- General Considerations
 - Temporary construction easements will be needed
 - Additional ROW may be needed for turn lanes, sidewalks, and ADA ramps

Encroachments

- Encroachments – Private Property located within the Public Right of Way
 - Federal Highway Regulations
 - Safety
 - Statewide Consistency
- Existing Encroachments
 - Signs, landscaping, fences, trees
- Property owners with encroachments will be notified

Utility Coordination

- Utility company coordination to relocate utilities is in progress

ENVIRONMENTAL, SOCIAL, & ECONOMIC CONCERNS

Section 4(f) Property

Project action will include all possible planning to avoid and minimize harm to publicly owned parks, recreational areas, wildlife & waterfowl refuges, or public & private historical sites. An evaluation of possible project effects on Founders Park, Mountain View Soccer Field, Omaha Street Disc Golf Course, and the Rapid City Biking Trail is being done with project.

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

Project undertaking will take into account contaminated soils with relation to existing aboveground and underground storage tanks within or adjacent to project's area of potential effect.

ENVIRONMENTAL, SOCIAL, & ECONOMIC CONCERNS

Air Quality

Project occurs within the boundaries of the Rapid City Area Quality Control Zone and will comply with the Rapid City and the Pennington County Air Quality Ordinances.

Wetlands

Federal regulations require that unavoidable wetland impacts caused by highway construction be mitigated. Project is being reviewed to determine avoidance, minimization, and mitigation of impacts to wetlands.

Construction

- Phased
- Access maintained
- Future meetings for traffic sequencing

Landowner Meetings

- Held separately with affected landowners
 - Driveway locations/widths
 - Encroachments
 - ROW needs
 - Drainage concerns
- Landowners will be contacted by SDDOT/CETEC to schedule an appointment
- CORC questionnaire and additional property owner meetings

Tentative Project Schedule

Public Meeting	March 10 th , 2014
Landowners Meetings	Spring 2014
Final Plans for ROW	Fall 2014
ROW/ Easement Process	December 2014 – Fall 2015
Bid Letting	Fall 2016
Construction	Fall 2016 – Summer 2017

Questions & Comments

Comment Forms or Letter to:

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CETEC Engineering Services, Inc.
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Rapid City, SD 57703

richm@cetecengineering.com

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

Please provide comments by March 24th, 2014

Meeting handouts and presentation will be on SDDOT
website in two days