



Public Meeting

SD Highways 18P & 471 Bridge Replacements & Approach Grading

SD18P Bridge Located 0.2 Miles North of Edgemont

SD471 Bridge Located 1.3 Miles South of Edgemont

BRF 018P(02)13, PCN 02S8

P 0471(08)27, PCN 039Z

Fall River County

Kevin Goeden

SDDOT Chief Bridge Engineer

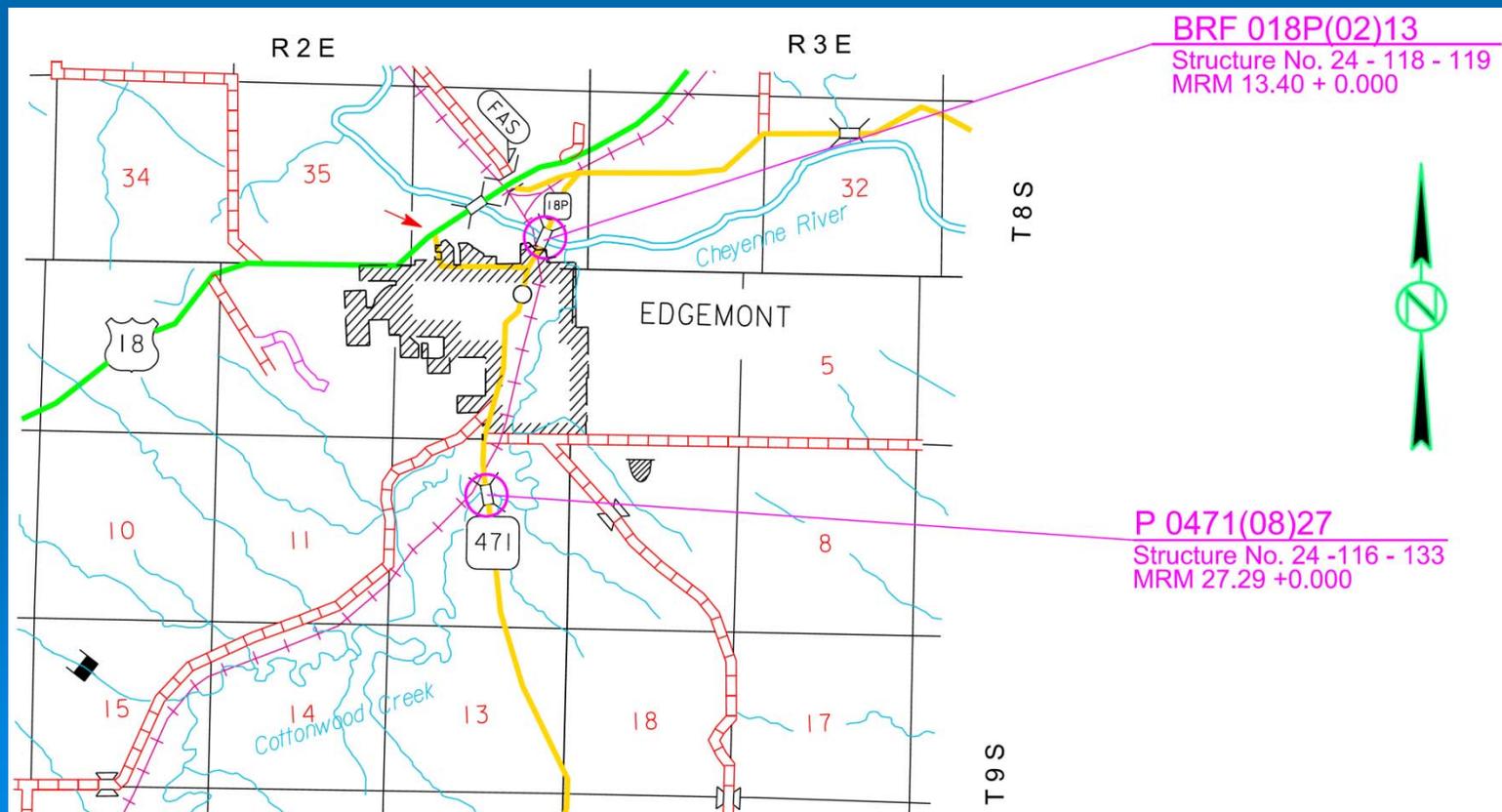


Project Location

Bridge Replacement & Approach Grading:

SD18P – 0.2 Miles North of Edgemont – Cheyenne River

SD471 – 1.3 Miles South of Edgemont - Cottonwood Creek





Background Information

➤ Originally Constructed in:

SD18P	1924 (widened 1961)
SD471	1943

➤ Average Daily Traffic:

SD18P: Current (2013)	130
Projected (2033)	165
Trucks	2.9%
SD471: Current (2013)	202
Projected (2033)	257
Trucks	2.4%



Project Needs

- Replace aging bridges due to their condition
 - Maintain emergency services access



Proposed Project

- Provide replacement drainage structures to meet hydraulic requirements
 - Accommodate Mickelson Trail on SD18P bridge along the west side

- Approach Grading Improvements
 - 12 ft driving lanes & 4 ft shoulders
 - Erosion washout along SD18P
 - Highway surfacing cross slope
 - Highway embankment side slope

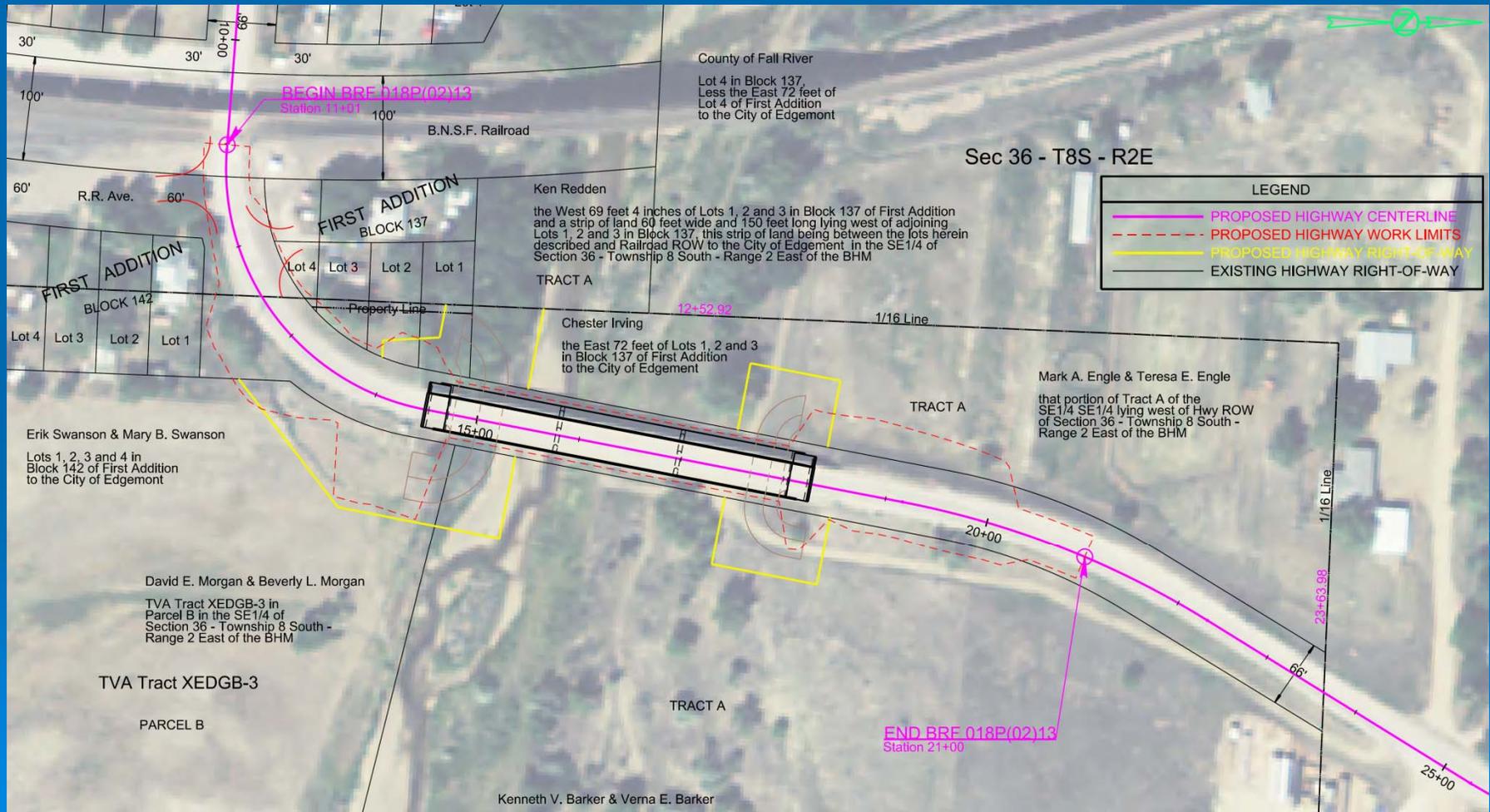


SD18P – Cheyenne River

Proposed Structure Location: Match Existing Alignment

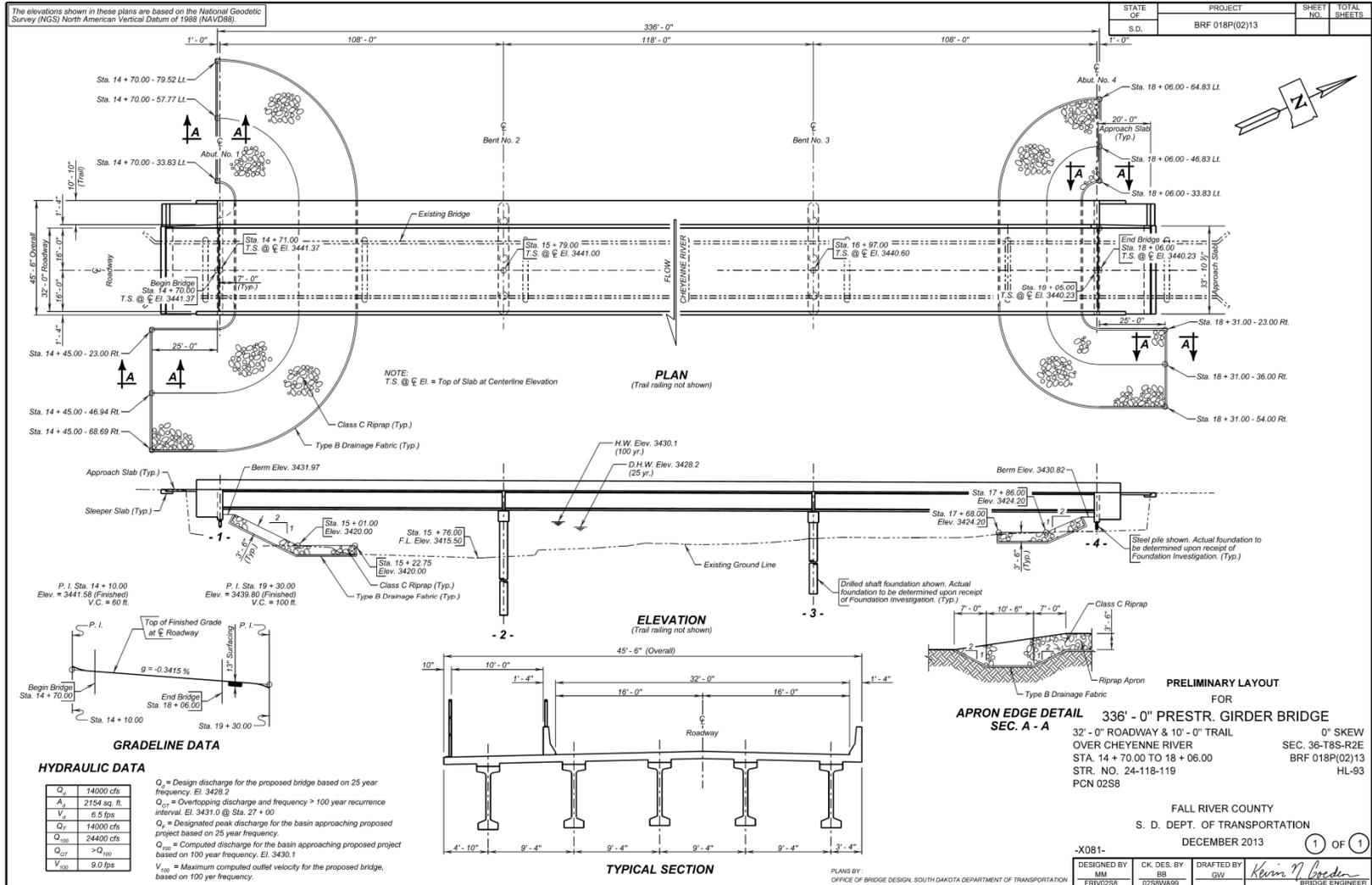
Proposed Structure: 336' Girder Bridge (width: 32' hwy, 10' trail)

Existing Structure: 367.4' Girder Bridge (width: 30' hwy, 4' walkway)





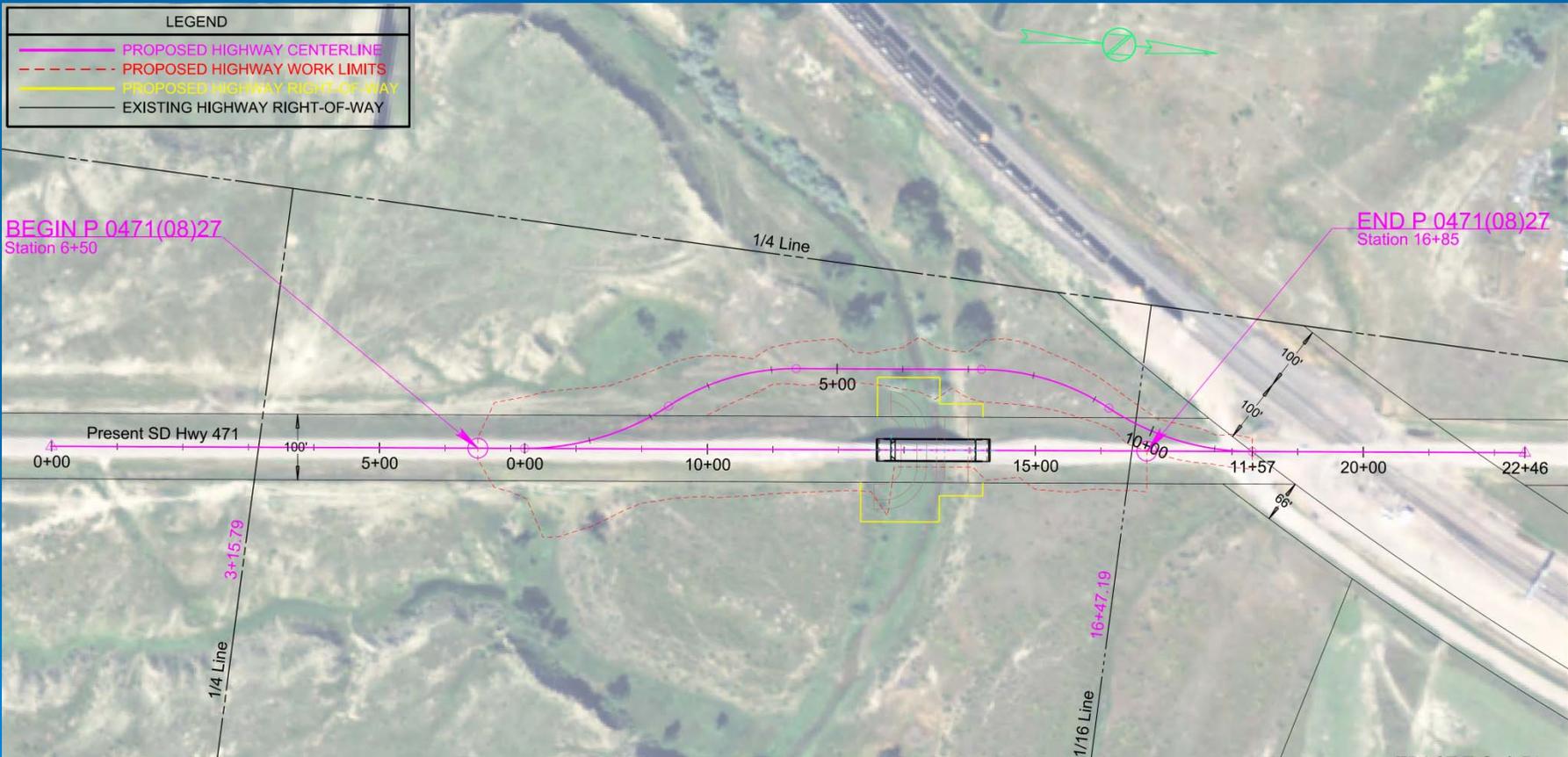
SD18P – Cheyenne River Proposed Structure





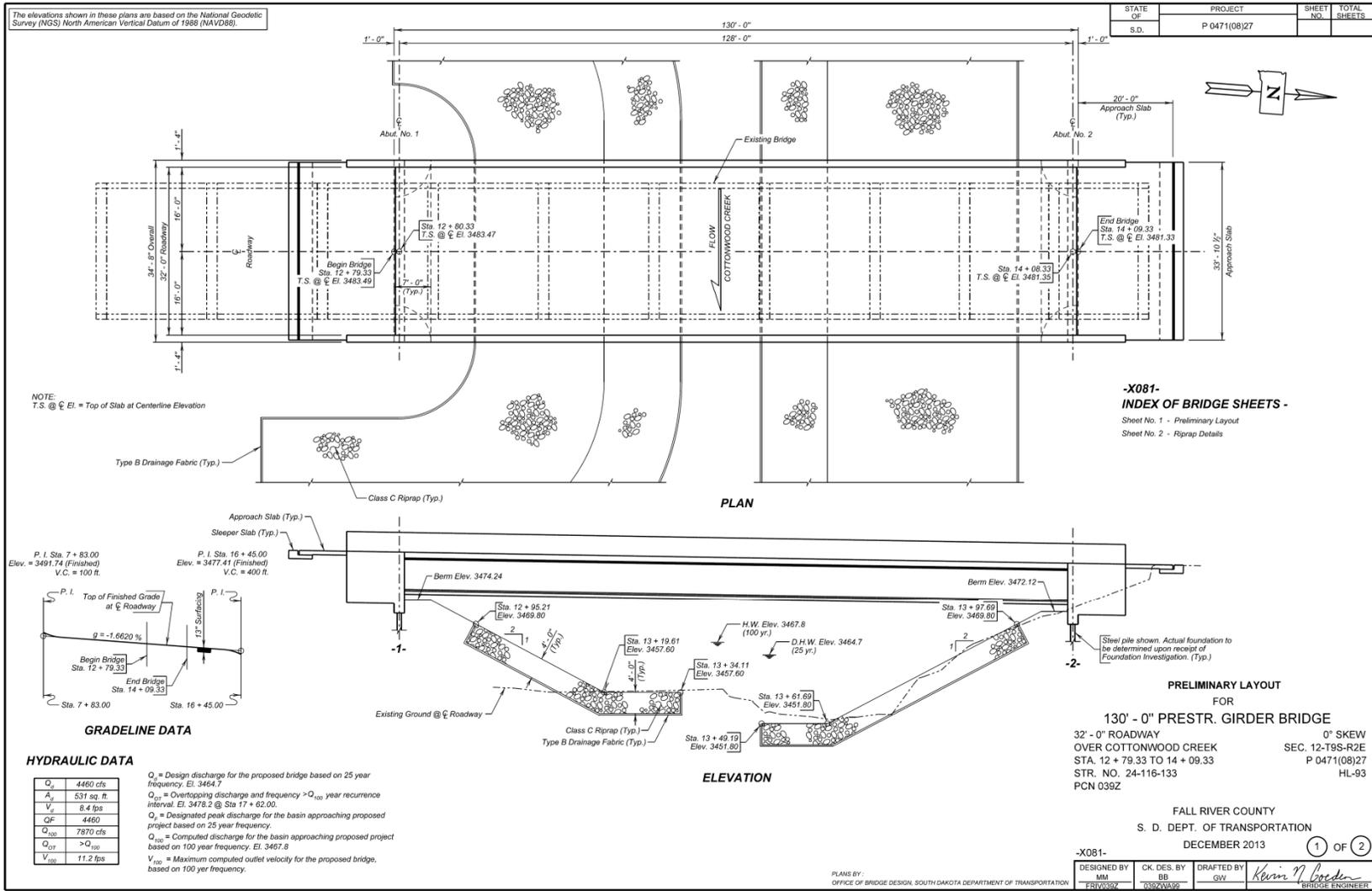
SD471 - Cottonwood Creek

Proposed Structure Location: Match Existing Alignment
Proposed Structure: 130' Girder Bridge (32' wide)
Existing Structure: 200' Timber Girder Bridge (24' wide)





SD471 - Cottonwood Creek Proposed Structure





Environmental, Social & Economic Impacts

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 the Mickelson Trail located on the east side of the Cheyenne River Bridge, (02S8, Structure 24-118-119) 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. The current timber bridge over Cottonwood Creek (039Z, Structure 24-116-133) is a NRHP eligible site to be evaluated under Section 106.

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 Impacts

Threatened & Endangered Species

According to the U.S. Fish & Wildlife Service, the following species are known to occur in Fall River County:

- Rufa red knot (bird), Proposed threatened
- Northern long-eared bat (mammal), Proposed endangered

Wetlands

Federal regulations require that unavoidable wetland impacts caused by highway construction be mitigated. If you are interested in creating or restoring wetlands on your property, please complete the Wetland Mitigation Registry Form in the handouts.



Right of Way

- Existing Highway Right of Way Width
 - SD18P = 66 feet
 - SD471 = 100 feet
- Highway Right of Way to be acquired
 - Permanent Right of Way around Pipes & Riprap
 - Temporary Construction Easements



Utilities

- Adjust and/or relocate as needed.
- Utility companies may negotiate easements with landowners.
 - Black Hills Power
 - Golden West Communications



Construction Traffic Plan

➤ SD18P:

- Highway will be closed for construction.
- Highway and trail traffic will be detoured to US18.

➤ SD471:

- Highway will remain open.
 - Temporary traffic diversion will be provided around bridge construction.
- Access to adjacent property will be maintained.



Tentative Project Schedule

- Individual Landowner Meetings: March 11, 2014
- Public Meeting: March 11, 2014
- Final Design: Spring 2014
- Right of Way Acquisition Process: Summer 2014
- Bid Letting: Winter/Spring 2015
- Construction: 2015
 - Estimated construction costs:
 - SD18P = \$2.5 Million
 - SD471 = \$1.6 Million



Questions or Comments?

Please Provide Comment Forms or Letters
to the following by March 25, 2014:

Karen Olson
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Pierre SD, 57501

Karen.Olson@state.sd.us

Public Meeting Information @
www.sddot.com/dot/publicmeetings