Appendix E

Water Resources

Wetland Delineation Re-Evaluation Report

BNSF RR at Bridgeport

Project Number: NH-26-1(161)

Control Number: 51299

Bridgeport, Morrill County, Nebraska

Prepared for: Nebraska Department of Transportation

Evaluated on September 18th, 2019

This report provides the results of a wetland delineation re-evaluation conducted in September 2019 along Nebraska Highway 92 (N-92)/U.S. Highway 26 (US-26) located in Morrill County (Section 32, T20N, R50W), starting approximately 0.5 miles west of the corporate limits of Bridgeport at Mile Marker (MM) 60.35 and extending east to MM 61.20, 0.20 miles west of the junction of US 385 and US-26/N-92. A Nebraska Department of Transportation (NDOT) project would replace an existing at-grade BNSF Railway Company (BNSF) crossing on US-26/N-92 with a new grade separation structure. The project would be constructed under traffic, therefore a detour would not be required. Shoofly bypasses would be proposed at the tie in points and utilize proposed frontage roads to handle traffic during construction. The wetland delineation study area consisted of the area adjacent to the two potential routes for grade separation structures, including all culverts.

Consistent with the original delineation completed on July 10, 2014, no wetlands or other waters were identified during the field survey. Stormwater runoff ditches were noted adjoining two electrical power substations, however no wetlands or waters were identified in them.

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Wetlands PQS Memorandum

DATE 6/12/2024

TO Alison Krohn, NDOT EDU

FROM Amy Utt, NDOT TRU

SUBJECT Wetlands PQS Memo
Project No: RRZ-TMT-26-1(161)
Control No: 51299
Project Name: BNSF, Bridgeport

☒A wetland delineation was completed 9/18/2019
Or
☐A field review was completed on Click here to enter a date.
Or
☐A desktop review was completed on Click or tap to enter a date.

Are there wetlands, stream channels, or other waters within the study area?
☐ Yes ☒ No

Will the action result in wetland impacts in accordance with Section 404 of the Clean Water Act and/or Nebraska State Title 117?
☐ Yes ☐ No ☒ Not Applicable

Will the action result in greater than 0.5 acre (total permanent) of wetland impacts?
☐ Yes ☐ No ☒ Not Applicable

Estimated Permanent Wetland Impacts (acres): 0.00

If the project is processed with a Nationwide Permit, is a Pre-Construction Notification required?
☐ Yes ☐ No ☒ Not Applicable

Anticipated Permit: N/A

Will the action require an Individual Permit (IP) or Section 10 Permit from the U.S. Corps of Engineers or a Section 9 Permit from the U.S. Coast Guard?
☐ Yes ☐ No ☒ Not Applicable

Describe resources, potential impacts and any coordination conducted to date with officials/agencies (*include estimated permanent and temporary wetland (acres)and channel impacts (linear feet/acres), any special wetland areas, general cause of impacts, any Nationwide Permit information, and any potential mitigation.*): No anticipated impacts, no Nationwide Permit needed.

Project Description Date Used for Review: 3/25/2024

Wetlands/Waters of the U.S. Commitments:

The Contractor shall not stage, store, waste or stockpile materials and equipment in undisturbed locations, or in known/potential wetlands and/or known/potential streams that exhibit a clear "bed and Bank" channel. Potential wetland areas consist of any area that is known to pond water, swampy areas, areas supporting known wetland vegetation, or areas where there is a distinct difference in vegetation (at lower elevations) from the surrounding upland areas.

Check the box(s) that applies:

☒The project is subject to a Nationwide Section 404 Permit # **N/A** for impacts to waters of the U.S. The Contractor shall adhere to the permit conditions, including regional and general conditions, during construction. All wetlands/waters within the project area that are not permitted for impacts shall be avoided.

☐The project is subject to an Individual Section 404 Permit for impacts to waters of the U.S. The Contractor shall adhere to the permit conditions, including general and special conditions, during construction. All wetlands/waters within the project area that are not permitted for impacts shall be avoided.

☐The project is subject to a Title 117 Letter of Recommendation for impacts to waters of the State. The Contractor shall adhere to the 117 Letter of Recommendation conditions during construction. All wetlands/waters within the project area that are not permitted for impacts shall be avoided.

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Memorandum

DATE	**February 06, 2024**
TO	Alison Krohn
FROM	Kyle Hall, P.E.
THRU	Julie Ramirez, P.E. and Kirk Harvey, P.E.
SUBJECT	PQS Floodplain Memorandum: BNSF, Bridgeport, RRZ-TMT-26-1(161), CN 51299

The BNSF, Bridgeport project RRZ-TMT-26-1(161), CN 51299, has been reviewed for its impact to floodplains within the State of Nebraska.

FLOODPLAIN ENCROACHMENT REVIEW

Project is located within:

County(ies):	Morrill
Floodplain Community(ies):	Morrill County, City of Bridgeport

Community(ies) are:

Mapped?:	Yes
Participating?:	Yes
State Minimum Standards for Mapping?:	Yes

Project Overlaps:

Mapped Base Floodplain?:	No	Floodplain Designations(s): Not Applicable
Mapped Floodway?:	Not Applicable	
State Minimum Standards Base Floodplain?:	No	

Floodplain Statement:
Review of floodplain mapping shows that the project does not overlap upon a mapped Base Floodplain or regulatory Floodway.
The project is also located within a non-participating community with no floodplain mapping; State Minimum Standards apply. Review of topographic and flood awareness mapping shows that the project does not overlap upon a potential Base Floodplain. This project does not require a floodplain certification

Certification Requirements:

Floodplain Permit required from:	None
State Minimum Standards Community(ies):	Morrill County

Floodplain Encroachments:

Will the Project cause a rise in the Base Flood Elevation (BFE):

More than one (1) foot in a Regulatory Base Floodplain?	No
Any rise in a Regulatory Floodway?	Not Applicable
More than one (1) foot in a State Minimum Standards Floodplain?	No

Floodplain Statement:
It is anticipated that this project will be certified to meet floodplain regulations. It is not anticipated to cause greater than one foot of rise in the Base Flood Elevation within a Base Floodplain, any rise in the Base Flood Elevation within a Regulatory Floodway, nor increase the potential for property loss and hazard to

Functionally Dependent Use in Base Floodplain:

Project overlaps a floodplain at a location without a functionally dependent use?	Not Applicable

Floodplain Statement:
There are no base floodplains that overlap the project. The following floodplain NFIP/FHBM maps were reviewed:

Panel 310151B, Dated 09/27/1985
State Minimum Standards

23 CFR SECTION 650.111 REVIEW

650.111(b)

Are there Base Floodplains located Longitudinal (parallel) to the project?	No
Is any of the project on Existing Alignment?	No
Does the Existing Alignment encroach upon a Longitudinal (parallel) Base Floodplain?	Not Applicable
Is any of the project on New Alignment?	Yes
Does the New Alignment encroach upon a Longitudinal (parallel) Base Floodplain?	Not Applicable

Floodplain Statement:
There are no locations where a base floodplain runs longitudinal (parallel) to the highway project.

650.111 (c) (1)

Project increases the potential for loss of life or property?	No

Floodplain Statement:
This action would not increase the potential for loss of life or property.

650.111 (c) (2)

Project impacts the natural and beneficial floodplain values?	No

Floodplain Statement:
There are no significant encroachments associated with this Project and this Project will not have an impact on the natural and beneficial floodplain values.

650.111 (c) (3)

Project supports probable incompatible floodplain development?	No

Floodplain Statement:
The proposed improvements on this Project will maintain local and regional access to existing municipal, rural, and agricultural areas and will not create new access to undeveloped lands. Therefore, this highway improvement Project will not support probable incompatible floodplain development.

650.111 (c) (4)
Project results in a significant risk of impact to the base floodplain or environment? No

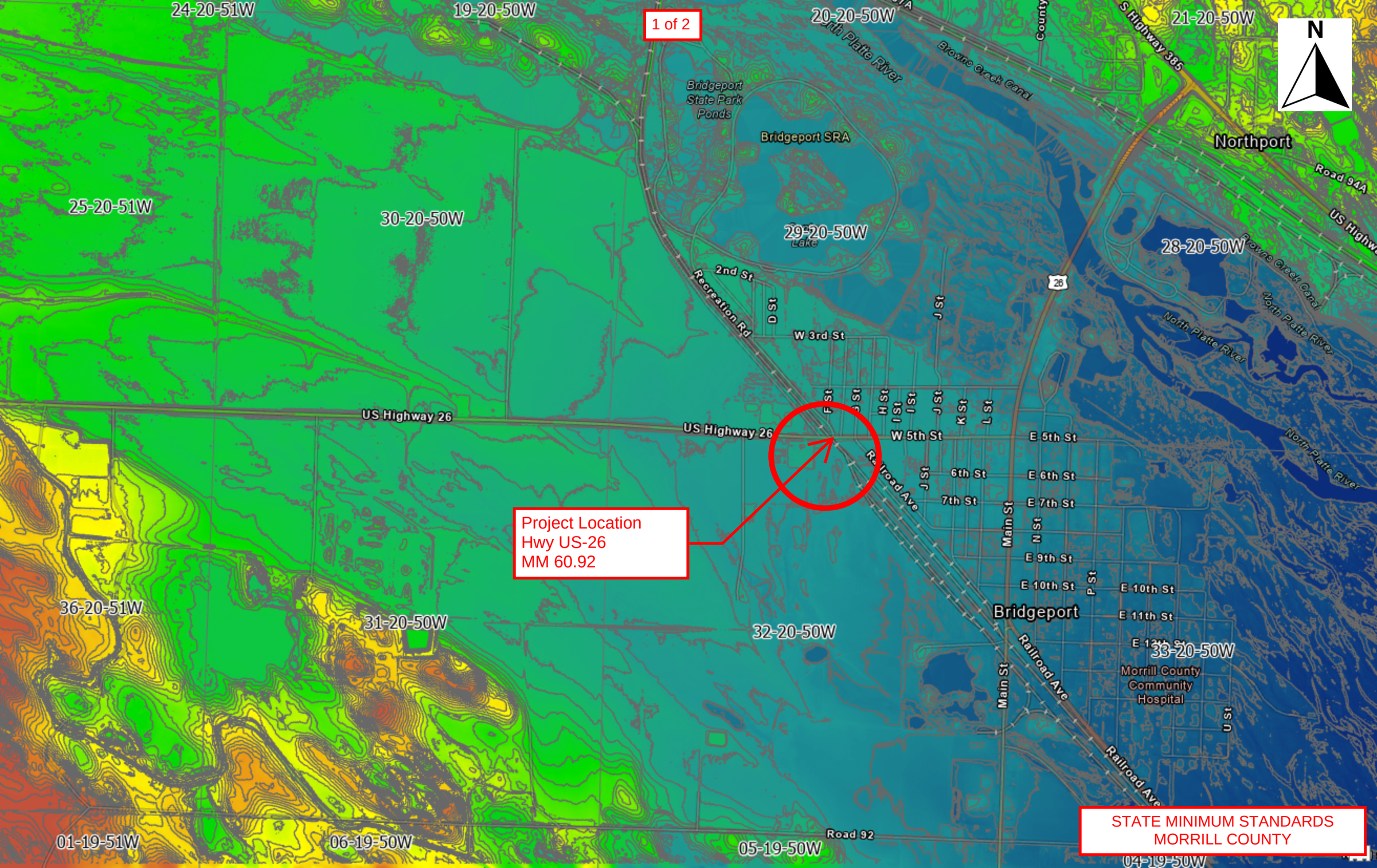
Floodplain Statement:
Based on assessment of the significance of the risk or environmental impact, no additional measures are necessary to minimize floodplain impacts associated with the action.

650.111 (c) (5)
Floodplain Statement:
There will be limited impacts to the natural and beneficial floodplain values of the floodplains along this Project. Since there will be temporary soil disturbance during construction activities, sediment and erosion control best management practices will be utilized during construction and disturbed areas will be seeded following construction.

650.111 (d)
Does a significant encroachment occur as a result of the project? No
Does the project support incompatible floodplain development? No

Floodplain Statement:
There is no significant encroachment in to a base floodplain. This project does not result in a base flood causing significant potential interruption or termination of this transportation facility, which is needed for emergency vehicles or a community's only evacuation route. It also does not result in a significant risk or potential for loss of life or property due to the base flood. This project also does not result in a substantial adverse impact on natural and beneficial floodplain values. An alternatives analysis related to the significance of encroachment in to a base floodplain is not warranted.

This highway improvement project will maintain existing local and regional access to municipal, rural, and agricultural areas, and does not support incompatible floodplain development. An alternatives analysis related to the incompatible floodplain development is not warranted.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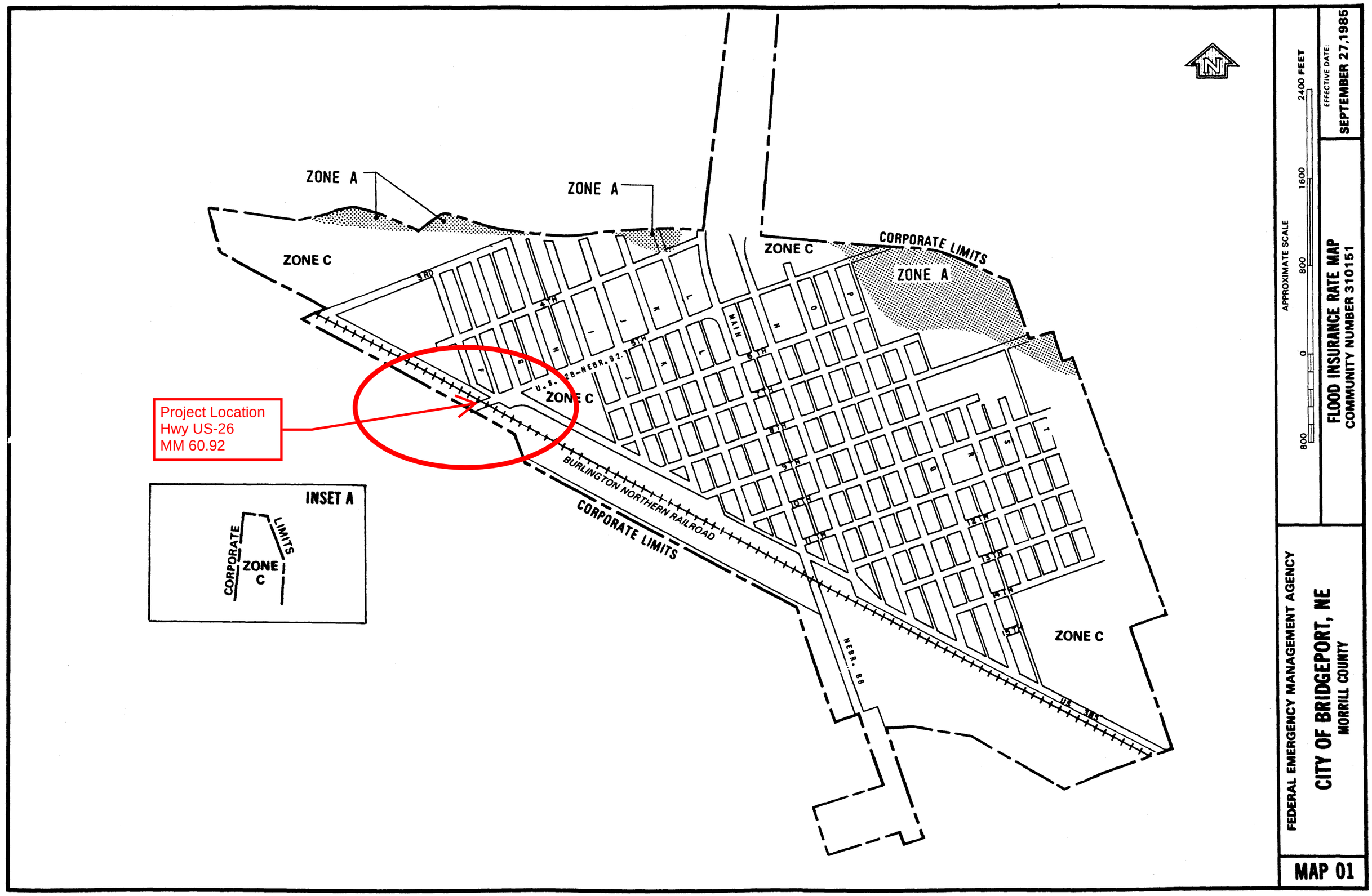
24-20-51W
19-20-50W
20-20-50W
21-20-50W
25-20-51W
30-20-50W
29-20-50W
28-20-50W
31-20-50W
32-20-50W
33-20-50W
36-20-51W
01-19-51W
06-19-50W
05-19-50W
04-19-50W
Bridgeport State Park Ponds
Bridgeport SRA
Lake
North Platte River
Browns Creek Canal
S Highway 385
Northport
Road 94A
US Highway
Recreation Rd
2nd St
D St
W 3rd St
US Highway 26
W 5th St
E 5th St
6th St
E 6th St
7th St
E 7th St
E 9th St
E 10th St
E 11th St
Railroad Ave
Main St
N St
P St
U St
Bridgeport
Morrill County Community Hospital
Road 92
Project Location
Hwy US-26
MM 60.92
STATE MINIMUM STANDARDS
MORRILL COUNTY


ZONE A
ZONE A
ZONE C
ZONE C
CORPORATE LIMITS
ZONE A
ZONE C
Project Location
Hwy US-26
MM 60.92
INSET A
CORPORATE LIMITS
ZONE C
BURLINGTON NORTHERN RAILROAD
CORPORATE LIMITS
ZONE C
NEBR. 88
U.S. 26-NEBR. 92
MAIN
3RD
4TH
5TH
6TH
7TH
8TH
9TH
10TH
11TH
12TH
13TH
14TH
15TH
APPROXIMATE SCALE
800 0 800 1600 2400 FEET
EFFECTIVE DATE:
SEPTEMBER 27,1985
FLOOD INSURANCE RATE MAP
COMMUNITY NUMBER 310151
FEDERAL EMERGENCY MANAGEMENT AGENCY
CITY OF BRIDGEPORT, NE
MORRILL COUNTY
MAP 01

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Water Quality PQS Memorandum

DATE April 2, 2024

TO Alison Krohn, NDOT EDU

FROM Blayne Renner, NDOT RDCU

SUBJECT Water Quality PQS Memo
Project No: RRZ-TMT-26-1(161)
Control No: 51299
Project Name: BNSF, Bridgeport

A desktop review was completed on 4/2/2024

Are there any 303(d) listed impaired waters within or adjacent to (0.5 mile) the project study area? (2022 Integrated Report)
☒ Yes ☐ No

Does the project occur within an MS4 community?
☐ Yes ☒ No
Community: N/A

Does the project require a NPDES construction storm water permit (qualifying ground disturbance of 1 acre or more)?
☒ Yes ☐ No

Describe resources, and <u>potential</u> impacts. (Include the name of the listed impaired waterbody, segment number, impaired uses, and cause of the impairment. If 303(d) listed impaired waters are identified, include a map of the locations as Attachment 1):
Bridgeport Middle Lake (NP3-L0030): Category 5 stream, impaired for Aquatic Life-Fish Consumption Advisory; Pollutant(s): Mercury
North Platte River (NP3-10000): Category 5 stream, impaired for Aquatic Life-Fish Consumption Advisory; Pollutant(s): Hazard Index Compounds
Mercury may be present in certain building materials utilized for this project; however, proper usage of materials and appropriate disposal of wastes will not result in adverse impacts to the impaired beneficial use of Aquatic Life for Bridgeport Middle Lake. Hazard Index Compounds are not likely to be encountered during construction of this project. It is not anticipated that this project will result in discharges which will negatively impact the impaired beneficial use of Aquatic Life for North Platte River. No impacts are anticipated.

Describe any coordination conducted to date with officials/agencies (Include: Any coordination with NDEE or USEPA): N/A

Impaired Waters Commitments:

☒ Project specific commitments are not required to address impacts to 303(d) listed Impaired Waters

☐ The following project specific impaired waters commitments are required to address impacts to 303(d) listed Impaired Waters:
N/A

CWA Section 402 Commitments

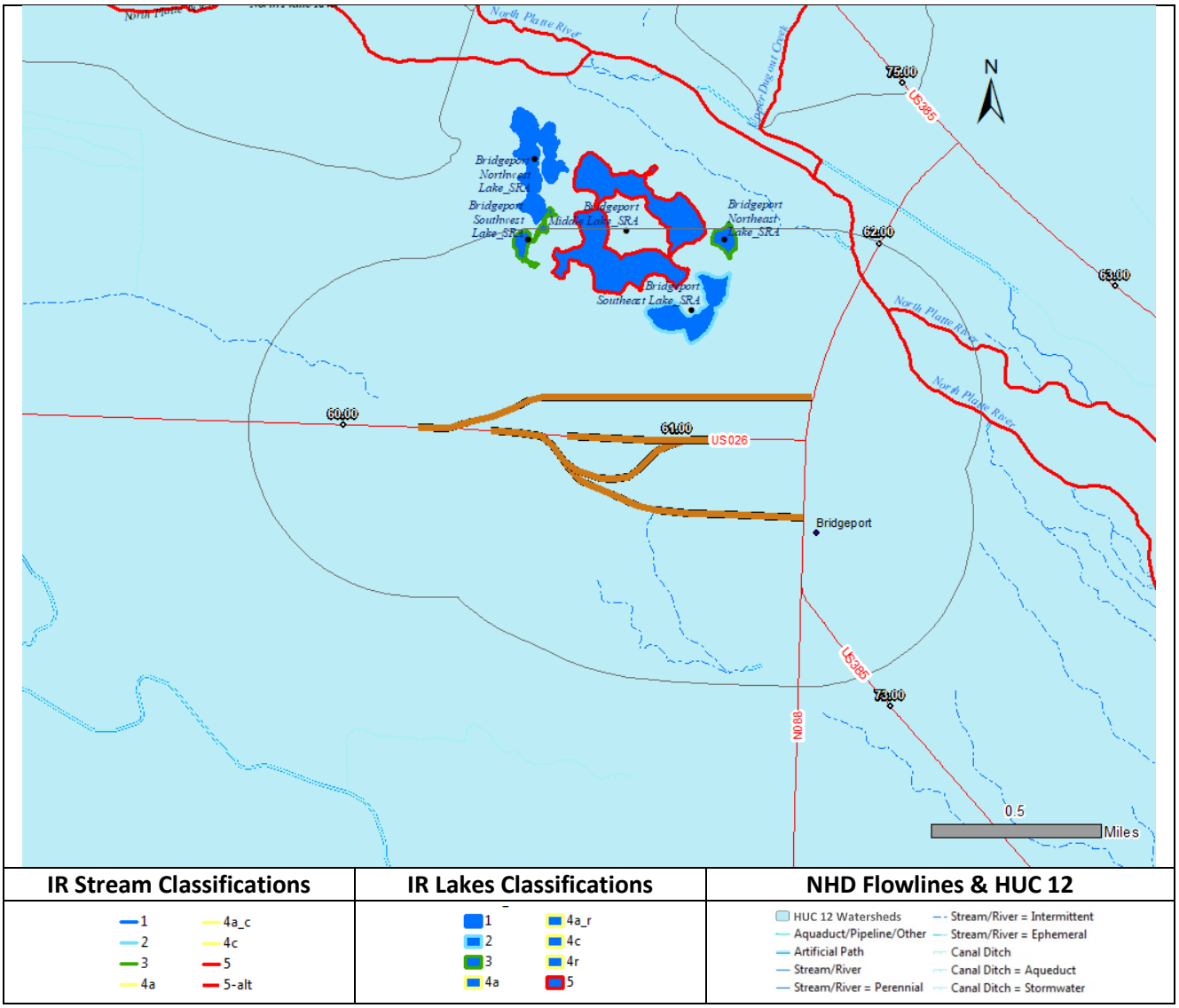
☐ This project does not require a Construction Stormwater Permit or a Storm Water Pollution Prevention Plan (SWPPP). Temporary water pollution prevention practices (including sediment and erosion control measures) are still required by Nebraska State Title 119. The Contractor shall exercise every reasonable precaution throughout the life of the contract to prevent sedimentation within rivers, streams, impoundments (lakes, reservoirs, etc.), the project site, and adjacent property. (Contractor)

☒ This project requires a Construction Stormwater Permit and that a Storm Water Pollution Prevention Plan (SWPPP) be maintained for the project. The Contractor shall understand the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit that authorizes the storm water discharges associated with activity from the construction site. For reference, the general permit is posted on the Department's website. (Contractor)

☐ This project occurs within an MS4 community. The project will be evaluated for the potential need to incorporate Storm Water Treatment Facilities in compliance with NDOTs MS4 permit.

Project Description Revision Date:
03/25/2024

Attachment 1 – Impaired Waters Map



Waterbody Classification System (From *2022 water quality integrated report*.) ***Category 1*** – Waterbodies where all designated uses are met. ***Category 2*** – Waterbodies where some of the designated uses are met but there is insufficient information to determine if all uses are being met. ***Category 3*** – Waterbody where there is insufficient data to determine if any beneficial uses are being met. ***Category 4*** – Waterbody is impaired, but a TMDL is not needed. Sub-categories 4A, 4B, 4C and 4R outline the rationale for the waters not needing a TMDL: ***Category 4A*** – Waterbody assessment indicates the waterbody is impaired, but all of the required TMDLs have been completed. ***Category 4B*** – Waterbody is impaired, but "other pollution control requirements" are expected to address the water quality impairment(s) within a reasonable period of time. Other pollution control requirements include but are not limited to, National Pollutant Discharge Elimination System (NPDES) permits and best management practices. ***Category 4C*** – Waterbody is impaired but the impairment is not caused by a pollutant. This category also includes waters where natural causes/sources have been determined to be the cause of the impairment. In general, natural causes/sources shall refer to those pollutants that originate from landscape geology and climactic conditions. It should be noted, this general description can only be utilized when appropriate justification is provided. ***Category 4R*** – Waterbody data exceeds the impairment threshold, however a TMDL is not appropriate at this time. The category will only be used for nutrient assessments in new or renovated lakes and reservoirs. Newly filled reservoirs usually go through a period of trophic instability – a trophic upsurge followed by the trophic decline (Holdren, et. al. 2001). Erroneous or non-representative water quality assessments are likely to occur during this period. To account for this, all new or renovated reservoirs will be placed in this category for a period not to exceed eight years following the fill or re-fill process. After the eighth year monitoring data will be assessed and the waterbody will be appropriately placed into category 1, 2, or 5. ***Category 5*** – Waterbody where one or more beneficial uses are determined to be impaired by one or more pollutants and all of the TMDLs have not been developed. ***Category 5 waters constitute the Section 303(d) list subject to EPA approval/disapproval***. ***Category 5-Alt*** – Waterbody is impaired, but "other pollution control alternatives besides a TMDL" are expected to address the water quality impairment(s) within a reasonable period of time. Other pollution control alternatives include, but are not limited to, watershed management plan development, best management practice implementation and adaptive management strategies. ***Category 5-Alt waters are not approved or disapproved by EPA; however, EPA agrees to accept the alternative.***