Wetlands PQS Memorandum

DATE 7/29/2016

TO Anthony Marshall, NDOR EDU

FROM Patrick Sward, NDOR EPU

SUBJECT Wetlands PQS Memo
Project No: NH-80-9(82)
Control No: 22595
Project Name: I-80/480/US-75 Interchange Bridges, Omaha

☐A wetland delineation was completed Click here to enter a date.
Or
☒A desktop review was completed on Click here 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

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

Describe resources, <u>potential</u> impacts and anticipated permit type (*Include estimated permanent wetland impacts (acres). If known, also provide estimated temporary wetland impacts (acres), estimated channel impacts (linear feet/acres), special wetland areas, cause of impacts, and any Nationwide Permit information.*): Based on review of the *Omaha South, Nebraska USGS Quadrangle* (dated 1956, photo-revised 1984) for the project area, no potential water resources are depicted in the project area. Also the *Soil Survey of Douglas and Sarpy Counties, Nebraska* (USDA-SCS and UNL Conservation & Survey; issued December 1975, Sheet No. 26 flown 1970) was reviewed, and no potential water resources are depicted in the project area. In addition, Patrick Sward conducted a drive by site reconnaissance of the project area on 2/27/14 during which wetlands and/or stream channels were not observed.

Cowardin Class Impacted (*Select all that apply*)
☐ Palustrine ☐ Riverine ☐ Lacustrine ☒ Not Applicable

Describe any coordination conducted to date with officials/agencies (*Include: Any coordination with USACE)*: Click here to enter text.

Wetlands/Waters of the U.S. Mitigation
☐ On-Site/Permittee Responsible ☐ USACE Approved Mitigation Bank Site ☒ Not Applicable

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 or areas supporting known wetland vegetation or areas where there is a distinct difference in vegetation (at lower elevations) from the surrounding upland areas.

☐ All wetlands/waters within the project area that are not permitted for impacts will be marked on the 2W aerial sheets for the contractor as avoidance areas.

Select the following that apply:

☒ No wetland impacts are anticipated for this project; however, if impacts are found during design, the required permits shall be obtained prior to letting. NDOR Environmental shall reevaluate the project for the change in impacts. All wetlands within the project area shall be marked on the project plans or listed on Attachment 1 of the Environmental Commitment for the Contractor as avoidance areas. (NDOR Design, NDOR Environmental)

☐ The project qualifies under Nationwide Permit # Non-notifying Nationwide Permit Number. The contractor shall adhere to the permit conditions, including regional and general conditions, during construction. (Contractor)

☐ The project will require a Nationwide Permit for impacts to waters of the U.S. The permit shall be obtained prior to project letting. The contractor shall adhere to all permit conditions, including regional and general conditions, during construction. (NDOR Environmental, Contractor)

☐ The project will require a Title 117 Letter of Opinion for impacts to waters of the State. (NDOR Environmental, Contractor)

Project Description:

This project will repair bridges on I-80 and I-480 located in Douglas County at the I-80/I-480/US-75 Interchange.

The structures along I-80 for this project consist of the following:

- S080 45298A, southbound I-480 to eastbound I-80
- S080 45303A, southbound I-480 to southbound US-75
- S080 45303B, northbound US-75 to northbound I-480
- S080 45308, northbound US-75 to westbound I-80
- S080 45297, westbound I-80 to northbound I-480

The structures along I-480 for this project consist of the following:

- S480 00019L, southbound I-480 to eastbound I-80 or southbound US-75
- S480 00019R, northbound I-480

The improvements on this project consist of bridge repairs to S080 45298A, S080 45303A, S080 45303B, S080 45308, S080 45297, S480 00019L, and S480 00019R. The repairs include but are not limited to; repairing the deck, resurfacing, replacing approaches, remodeling for turndowns, replacing expansion joints, repairing erosion and MSE walls, and sealing concrete rails. The guardrail and impact attenuators may be replaced as determined by Roadway Design.

Scope details include:

- Grading to include scour pads and riprap under bridge drains and an inlet constructed at end of S080 45298A to be tied into area inlet at toe of slope.
- Guardrail - Remove and, if necessary, replace attenuators and guardrail with grading beyond the hinge point.
- Structure Number S080 45298A will undergo the following repairs: partial depth deck repairs, new modular joint, 3” asphalt overlay on liquid membrane, repair and seal concrete rails, remodel wings to clear approach slab, remodel abutment for partial turndown, and replace approach and grade beam on pile.
- Structure Number S080 45303A will undergo the following repairs: partial depth deck repairs, concrete surface milling, 3” asphalt overlay on liquid membrane, repair and seal bridge rails, replace expansion joints, clean drains, seal concrete rails and replace approaches and grade beam on pile.
- Structure Number S080 45303B will undergo the following repairs: partial depth deck repairs, replace expansion joints, 3” asphalt overlay on liquid membrane, repair and seal concrete rails, remodel wings to clear approach slab, remodel abutment for partial turndown, replace approach and grade beam on pile, clean drains, seal and repair concrete rails, clean and paint abutment and pier, repair erosion and replace approaches and grade beam on pile.
- Structure Number S080 45308 will undergo the following repairs: partial depth deck repairs, new modular joint, 3” asphalt overlay on liquid membrane, repair and seal concrete rails, remodel wings to clear approach slab, remodel abutment for partial turndown, paint girder and replace approach and grade beam on pile.
- Structure Number S48000019L will undergo the following repairs: replace and move expansion joints from end of floor to grade beam, replace approaches and grade beam on pile, repair MSE walls on both ends of the west side, 3” asphalt overlay on liquid membrane, and repair and seal rails.
- Structure Number S48000019R will undergo the following repairs: replace and move expansion joints from end of floor to grade beam, 3” asphalt overlay on liquid membrane, repair MSE walls on both ends of the west side, replace approaches and grade beam on pile, 3” asphalt overlay on liquid membrane, repair erosion, and repair and seal rails.
- Structure Number S080 45297 will undergo the following repairs: partial depth deck repairs, replace expansion joint, 3” asphalt overlay on liquid membrane, repair and seal concrete rails, remodel wings to clear approach slab, remodel abutment for partial turndown, and replace approach and grade beam on pile.
- Surfacing will be placed under the guardrail.
- Areas disturbed during construction will be stabilized utilizing NDOR approved erosion control methods. While the total area of disturbance is anticipated to be less than one acre, a Temporary Erosion Control Plan will be required by NDOR Standard Specifications for Highway Construction
- This project is located within a Municipal Separate Storm Sewer System (MS4) community. Post construction storm water management best management practices may be necessary. Additional consultation with the Roadside Stabilization Unit may be required.
- Permanent pavement markings will be applied to all new surfacing.
- No additional property rights will be required to build this project.
- Access to adjacent properties will be maintained during construction but may be limited at times due to phasing requirements.
- Work may be required to be accomplished at night.
- This project will be constructed in two phases: In Phase I, a direction of I-480 will be closed to traffic prior to College World Series (CWS) to complete work to that particular direction and the associated structures. In Phase II, the opposite direction will be closed to traffic after the completion of the CWS.
- Phase I and II Traffic will be detoured to I-29 in Iowa and return to Nebraska via I-80 and I-480.