# Wetlands PQS Memorandum

**DATE** 6/14/2016

**TO** Ryan Walkowiak, NDOR EDU

**FROM** Brett Harbison, NDOR EPU

**SUBJECT** Wetlands PQS Memo
Project No: STP-92-4(116)
Control No: 42721
Project Name: Ashton West

☒ A wetland delineation was completed 9/18/2012
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, potential 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.*): Wetland impacts from fill associated with culvert extensions/replacements, guardrail work, and roadside grading total to no more than .5 acres of permanent impacts. Wetland impacts are generally located adjacent to the roadway alignment. Wetland impacts can be broken down into approximately .4009 acres of Palustrine Emergent (PEM) Waters of the US (WOTUS) wetland, 0.0264 acre of Palustrine Scrub Shrub (PSS). Channel impacts would include approximately 109 linear feet of channel permanently impacted by structure improvement and roadside grading, across nine locations. This project will require NWP 14 and impacts will be mitigated at a on-site, permittee responsible site.

**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)*: CN 42721 was permitted and submitted for NWP14, mitigation bank site was not approved, and the permit is being prepared again for re-submittal.

**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 3R (Resurfacing, Restoration and Rehabilitation) project will resurface 7.86 miles of N-92 located in Sherman County, starting just east of the south junction of N-92 and N-58 at mile marker (MM) 323+39, and extending east to MM 331+25, 0.44 miles east of the northwest corporate limits of Ashton. Construction may begin and/or end approximately 200 feet ahead of or beyond the actual project limits to accommodate transitioning the pavement.

**N-92** MM 323+39 – MM 331+25

The existing roadway on this segment of N-92 consists of two 12 foot wide asphalt lanes and 9 foot wide shoulders, of which 1½ feet is paved with asphalt.

The improvements on this project consist of widening and resurfacing the existing 27' roadway and installing underdrains, removing and replacing guardrail, and bridge repairs. The strategy will result in a 28' top roadway. The irrigation access roads will be realigned around the new guardrail layout, attached to the irrigation canal bridge.

Scope details include:

- The existing asphalt across the entire surfaced width will be milled prior to in-place recycling, and then resurfaced with asphalt.
- Grading beyond the hinge point will be required for the following work:
    - Removal of several existing guardrail locations by grading.
    - The remaining guardrail locations will be removed and replaced, requiring some minor grading.
    - For culvert extensions
    - Mailbox turnouts
    - Correction of superelevation

    - Earth shoulder construction
    - Access road realignment at the Farwell South Irrigation Canal Bridge.
- The scope of work for the Farwell South Canal Bridge (Structure Number S092 32884) will have updated bridge rails. The existing guardrail will be removed and replaced.
- Install Underdrains perpendicular to the roadway centerline in several short segments within the project limits.
- Culvert extensions
- The Farwell South Irrigation access roads at approximately MM 328+84 will be realigned around the new guardrail layout.
- Existing surfaced driveways and intersections will be resurfaced.
- Beveled edges will be placed.
- Rock or gravel will be placed behind driveways and intersections to match the new asphalt.
- Mailbox turnouts will be constructed.
- Surfacing will be placed under the guardrail.
- The existing earth shoulders will be brought up to match the new asphalt.
- Project surveying and staking will be required.
- Areas disturbed during construction will be stabilized utilizing methods of erosion control as shown in the Storm Water Pollution Prevention Plan (SWPPP).
- Permanent pavement markings will be applied to all new surfacing.
- 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.
- This project will be constructed under traffic with lane closures controlled with approved temporary traffic control.
- There will be on-site mitigation for wetland impacts. A mitigation site will be constructed on the south side of Highway 92 near Reference Post / Mile Marker 327.86.