Nebraska Department of Roads

Planning and Project Development

Hazardous Materials Memorandum

Date: June 9, 2016

To: Wendy Austin, Highway Environmental/NEPA Specialist, Planning and Project Development

From: Will Packard, Highway Environmental Specialist, Planning and Project Development

Subject: Hazardous Materials Review Memo for the NDOR Project District 1 Automated Gates (C.N. 13280).

Overview

A hazardous materials review (HMR) was completed by NDOR for the District 1 Automated Gates project in June 2016. A HMR was required for this project because the scope of work exceeds the project exemptions. The purpose of the HMR is to identify environmental concerns associated with hazardous materials and petroleum products which could potentially be encountered during the construction project. This memo summarizes the conclusions and applicable mitigation measures found in the HMR and assists the Environmental Documents manager in completing the Hazardous Materials section of the CE Determination Form for Federal-Aid Projects. The HMR can be found in the NDOR project file.

The project description dated December 17, 2014 was used for preparation of the HMR.

Hazardous Material Site Discussion

The HMR identified several facilities where past releases have occurred within the hazardous materials study area. Areas of trenching or boring for electrical conduit and pull box installation will occur outside the pre-existing roadway fill with an anticipated depth of excavation of up to 3 feet. The excavations for the installation of truss towers will be 4 to 8 feet deep but would occur at the center of the interchanges and within the pre-existing roadway fill. Groundwater is not anticipated to be encountered during construction. A majority of the facilities were existing or former gas stations where leaking underground storage tank investigations and remediation have occurred or are ongoing. All these sites were considered to be a low potential to impact the project given the distance from the location of the releases in relation to our project and excavations occurring beyond the pre-existing roadway fill are shallow.

One Superfund site (non-NPL) was identified approximately 850 feet north of the Lincoln Airport Interchange. The NW 12th St. Superfund Site was one of 221 sites taken off the EPA Superfund List in 1995. Analysis of groundwater samples conducted in 1987 indicate groundwater contaminated with carbon tetrachloride, chloroform, tetrachloroethylene, and toluene. The groundwater flow direction at the site is southwest. Due to the distance of the site

from the project area and the shallow depths of excavation proposed for the project which are not anticipated to encounter groundwater, there is a low potential for the release reported at the NW 12th St SF Site to be encountered during construction.

Asbestos and Lead

No bridge modification or replacement is occurring with this project. No asbestos or lead mitigation is required.

Unexpected Waste Commitment

If contaminated soils and/or water or hazardous materials are encountered, then all work within the immediate area of the discovered hazardous material shall stop until NDOR/FHWA is notified and a plan to dispose of the Hazardous Materials has been developed. Then NDEQ shall be consulted and a remediation plan shall be developed for this project. The potential exists to have contaminants present resulting from minor spillage during fueling and service associated with construction equipment. Should contamination be found on the project during construction, the NDEQ shall be contacted for consultation and appropriate actions to be taken. The Contractor is required by NDOR's Standard Specification section 107 (legal relations and responsibilities to the public) to handle and dispose of contaminated material in accordance with applicable laws. (NDOR District, Contractor)

Sincerely,

Will Packard 6/9/16

Name Date

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