

GeoEnvironmental Impact Evaluation

Project 40191.1.1/40237 (TIP # U-4751/R-3300)

Military Cutoff Road Extension from US 17 (Market Street) to the proposed I-140 in New Hanover County and the US 17 Bypass of Hamstead in New Hanover and Pender Counties

Purpose

This report presents the results of a geoenvironmental impact evaluation conducted along the above referenced project. The main purpose of this investigation is to identify properties within the project study area that are or may be contaminated and therefore result in increased project costs and future liability if acquired by the Department. Geoenvironmental impacts may include, but are not limited to, active and abandoned underground storage tank (UST) sites, hazardous waste sites, regulated landfills and unregulated dumpsites.

Techniques/Methodologies Used

The Geographical Information System (GIS) was consulted to identify known environmentally impacting sites in relation to the project corridor. GeoEnvironmental Section personnel did not conducted a field reconnaissance survey along the project corridor. Once Alternatives have been developed for the projects, a more detailed field reconnaissance will be conducted.

Findings

Underground Storage Tank (UST) Facilities

Forty-three (43) registered UST facilities were identified within the corridor for the two projects.

Hazardous Waste Sites

Five (5) Superfund sites were identified within the corridor for the two projects.

Landfills

Three (3) landfills were identified within the corridor for the two projects.

Other GeoEnvironmental Concerns

Sixty-three (63) groundwater incidents, mainly from USTs, were identified within the corridor for the two projects.

Anticipated Impacts

There are there are a total of forty-three (43) registered UST facilities, five (5) Superfund sites, three (3) landfills and sixty-three (63) groundwater incidents were identified within the corridor for the two projects. We anticipate mainly low to moderate monetary and scheduling impacts resulting from the registered UST facilities and groundwater incidents. For the Superfund sites and landfills, we anticipate moderate to high monetary and scheduling impacts.

The GeoEnvironmental Section observed no additional contaminated properties during the regulatory agencies' records search. The GeoEnvironmental Section will provide soil and groundwater assessments on each of the above properties after identification of the selected alternative and before right of way acquisition. Please note that discovery of additional sites not recorded by regulatory agencies and not reasonably discernable during the project reconnaissance may occur. The GeoEnvironmental Section should be notified immediately after discovery of such sites so their potential impact(s) may be assessed.

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