

Technical Memorandum

TO: Kate Brady, P.E., HNTB

FR: Kevin Muldrew, EMS

Date: July 7, 2008

RE: Hancock Road Extension from Old County Road 50 north and west to US Highway 27 - Water Quality Assessment
HNTB No. 44425-PL-001; EMS No. 06195

EMS, scientists, engineers, planners, Inc. (EMS) conducted a water quality assessment of the project corridor and proposed stormwater pond sites in accordance with Part II, Chapter 20 of the FDOT's Project Development and Environmental Manual. The City of Minneola is proposing to construct a connector road between Old County Road 50 North, west to US Highway 27. This new connecting road would consist of a 4-lane facility with a 22 foot median within a 120 foot right-of-way, and proposed stormwater management sites. The purpose of the assessment is to determine the potential impacts to surface and ground water within the project area.

The design of the Minneola by-pass project will include stormwater treatment areas designed and located in accordance with St. Johns River Water Management District (SJRWMD) criteria found in Section 40C-42 of the Applicants Handbook and FDOT design standards. During this preliminary engineering study __ drainage sub-basins were identified. Within each basin two sites were identified as potential stormwater treatment areas and were evaluated for both functional and environmental constraints. The proposed storm water facility design will include, at a minimum, the water quantity requirements for water quality impacts as required by the SJRWMD in Rule 40C-42 of the Applicants Handbook.

The project is not located within an area that has been determined to be a Sole Source Aquifer under the Safe Drinking Water Act, Section 1424(e). Therefore consultation with the EPA is not required to determine if the project will create a significant hazard to public health.