

# TRANSMITTAL

**TO:** Tom Pridgen

**RE:** Updates for Website

**FROM:** Mike Davis

**Type of Update:**

New Criteria

Addendum

Lessons Learned


**DATE:** December 14, 2004

I am sending you  Attached  
 Under Separate Cover  
 Included

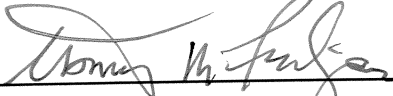
The following item(s) are for review and concurrence:

COPIES	DATE	No. of Sheets	DESCRIPTION
1	12/14	3	Lessons Learned Items from Errors & Omissions Database

**REMARKS:** The attached represents Lessons Learned from construction projects that have had repetitive problems or "big ticket" claims. These items will be added to the Design website under the Lessons Learned button.

Concurrence:   
Michael Davis, P.E., Program Manager

12/14/04  
Date

Concurrence:   
Thomas Pridgen, P.E., Assistant Turnpike Design Engineer

12/20/04  
Date

### **Hard strata when driving sheet piling**

Sheet piling had to be pre-drilled in areas where there was a hard strata. This occurred when there were no soil borings in the immediate area. The problem revolves around the location of the borings that were required in relation to the existing traveled way. To acquire them, the borings would have had to be taken in the median up and down station from an existing bridge where there was very little room for the geotechnical equipment to operate without a major MOT plan. The borings were in imported fill areas at an overpass so the suitability of the material was not in question, but only how hard it was. It may be cheaper and safer to not do the borings but to add a contingent pay item to the contract for pre-drilling sheet piling if a hard stratum is encountered.