

IOWA DEPARTMENT OF TRANSPORTATION

To Office Bridges and Structures

Date April 6, 2007

Attention All Employees

Ref No. 521.1

From Gary Novey

Office Bridges and Structures

Subject Method's Memo No. 166 (Revisions to CADD notes E832/M832 and bid item reference note)

The following CADD notes (E832/M832) have been revised and the bid item reference note (EST141/MST141) added. Please use these updated notes on all projects where the "Excavate and Dewater" bid item is required.

E832: Excavate and dewater, pier footings

THE LUMP SUM BID ITEM, "EXCAVATE AND DEWATER" SHALL INCLUDE ALL COSTS ASSOCIATED WITH THE EXCAVATION AND DEWATERING REQUIRED TO CONSTRUCT THE PIER FOOTINGS IN THE DRY, IN ACCORDANCE WITH SECTION 2405 OF THE STANDARD SPECIFICATIONS. THE LENGTH AND WIDTH OF THE SEAL COAT WAS BASED ON THE REQUIRED ONE FOOT CLEARANCE BETWEEN THE TIP OF THE SHEET PILES AND THE BATTERED PILING. THE CONCRETE SEAL COAT, IF USED, SHALL BE ?? FEET THICK, BASED ON A WATER ELEVATION OF ??. IF THE WATER ELEVATION IS HIGHER THAN ?? AT THE TIME OF CONSTRUCTION, A LARGER SEAL COAT MAY BE REQUIRED TO MAINTAIN THE CLEARANCE BETWEEN THE SHEET PILES AND BATTERED PILING. THE BRIDGE ENGINEER SHALL BE NOTIFIED BEFORE USING A LARGER SEAL COAT.

Use this note when the "Excavate and Dewater" bid item is used. See article 6.6.4.1.4 Seal Coat of the Bridge Design Manual for additional information.

M832: Excavate and dewater, pier footings

THE LUMP SUM BID ITEM, "EXCAVATE AND DEWATER" SHALL INCLUDE ALL COSTS ASSOCIATED WITH THE EXCAVATION AND DEWATERING REQUIRED TO CONSTRUCT THE PIER FOOTINGS IN THE DRY, IN ACCORDANCE WITH SECTION 2405 OF THE STANDARD SPECIFICATIONS. THE LENGTH AND WIDTH OF THE SEAL COAT WAS BASED ON THE REQUIRED 300 mm CLEARANCE BETWEEN THE TIP OF THE SHEET PILES AND THE BATTERED PILING. THE CONCRETE SEAL COAT, IF USED, SHALL BE ?? METERS THICK, BASED ON A WATER ELEVATION OF ??. IF THE WATER ELEVATION IS HIGHER THAN ?? AT THE TIME OF CONSTRUCTION, A LARGER SEAL COAT MAY BE REQUIRED TO MAINTAIN THE CLEARANCE BETWEEN THE SHEET PILES AND BATTERED PILING. THE BRIDGE ENGINEER SHALL BE NOTIFIED BEFORE USING A LARGER SEAL COAT.

EST141/MST141

"FOR PIERS IN ACCORDANCE WITH ARTICLE 2405 OF THE STANDARD SPECIFICATIONS. THE DESIGN IS BASED ON SEAL COAT DIMENSIONS OF ?? X ?? X ??."

GAN:dgb:bj