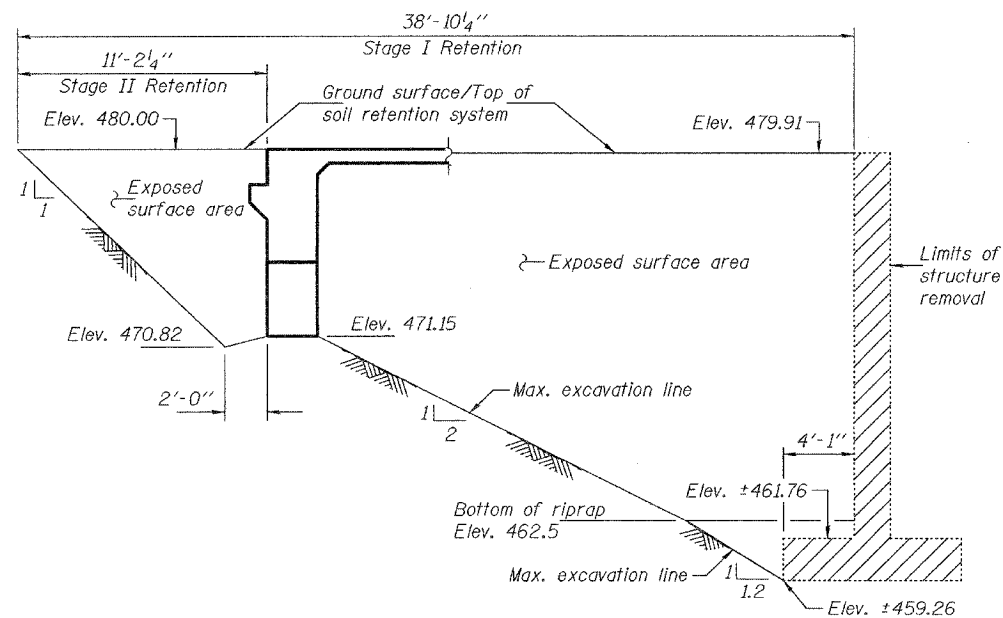
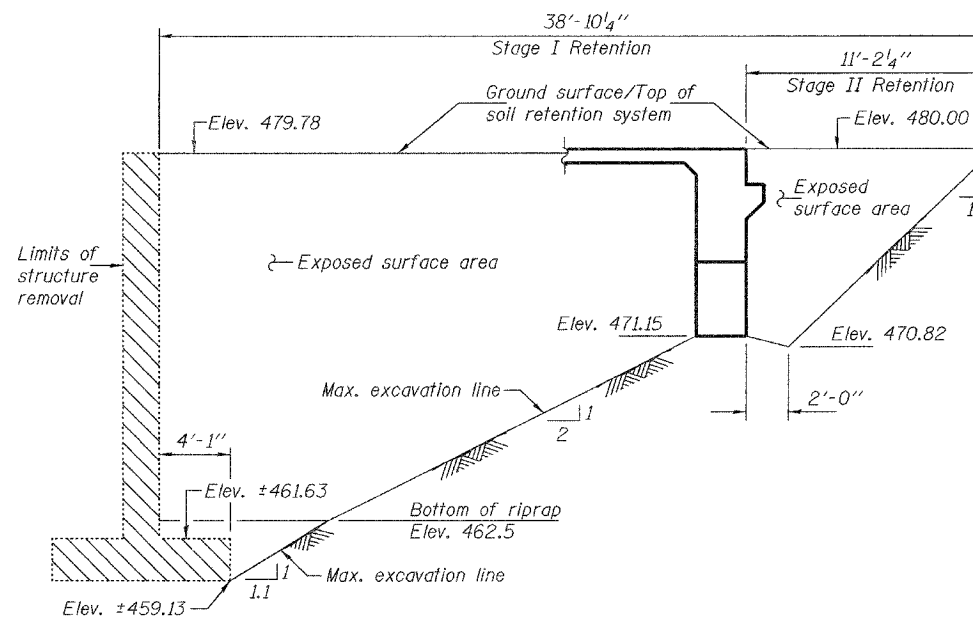


STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	STATES	SHEET NO.	SHEET NO. 3 23 SHEETS
FAP 785	134-IBR-2	MADISON	24	50	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	Contract #76902		

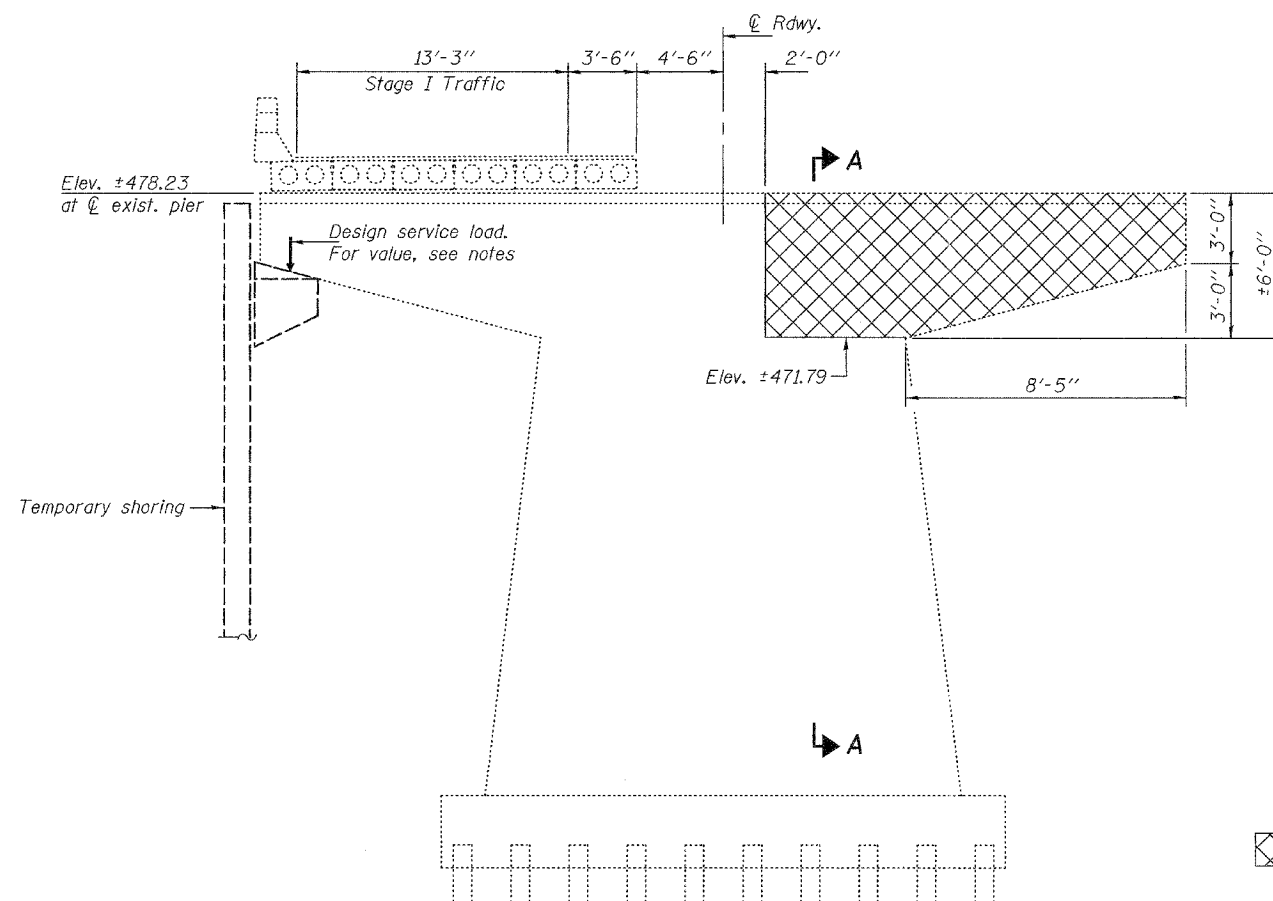


**TEMPORARY SOIL RETENTION SYSTEM  
AT WEST ABUTMENT**

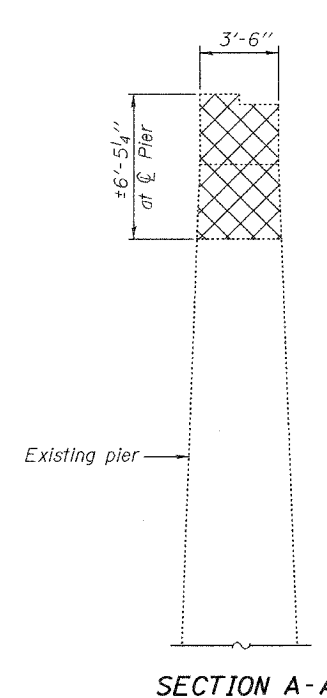


**TEMPORARY SOIL RETENTION SYSTEM  
AT EAST ABUTMENT**

Note: A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.



**ELEVATION - EXISTING PIERS 2 & 4**  
(Looking east - Pier 2 shown; Pier 4 similar)



**SECTION A-A**

Hatched area indicates the maximum portion of the existing pier that may be removed during Stage I Removal to allow Stage I Construction. Remaining portions of the existing pier that are to be removed shall be removed during Stage II Removal. Cost included with Removal of Existing Structures.

Notes: The cantilever portion of the existing piers shall be shored as shown on this sheet prior to beginning of Stage I Removal. The temporary shoring shall remain in place until the remaining existing superstructure has been completely removed during Stage II Removal. See Special Provision. (See sheet 2 of 23 for additional Stage Construction Details.)  
Temporary shoring shall not be supported on any part of the pier or its footing.  
Design service load at support contact as shown is 206 kips.  
Horizontal and vertical removal lines shall be saw cut to a minimum depth of 12 inches on each face of the existing pier prior to jack hammering.

**BILL OF MATERIAL**

Item	Unit	Total
Temporary Shoring	Each	2

**STAGE CONSTRUCTION DETAILS &  
TEMPORARY SOIL RETENTION SYSTEM**  
F.A.P. RTE. 785 - SEC. 134-IBR-2  
MADISON COUNTY  
STATION 623+90.00  
STRUCTURE NO. 060-0240

**TEMPORARY SHORING DETAILS AT EXISTING PIERS**

DESIGNED	R.L. Tharp
CHECKED	N.R. Barnett
DRAWN	h.t. duong
CHECKED	RLT/NRB

April 9, 2007  
EXAMINED *Thomas J. Donagallo*  
ENGINEER OF BRIDGE DESIGN  
PASSED *Ralph E. Anderson*  
ENGINEER OF BRIDGES AND STRUCTURES