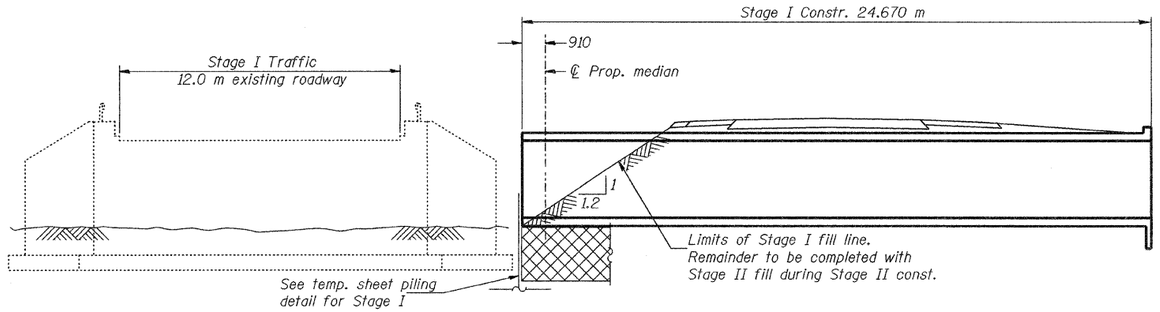
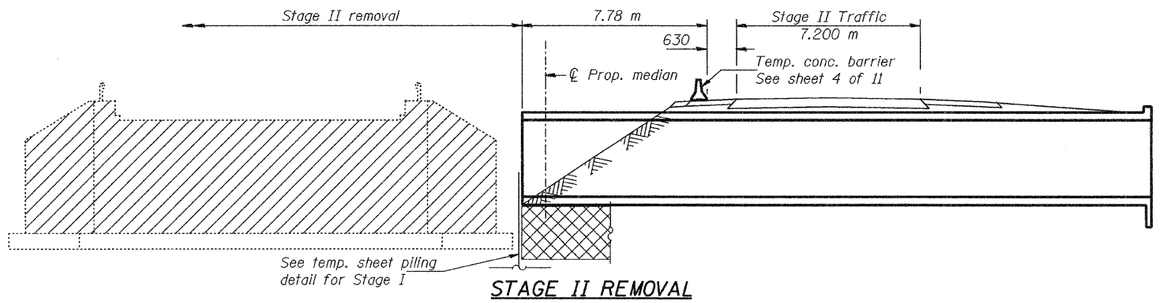
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. 312	101B-1	ALEXANDER	152	85
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 3
11 SHEETS

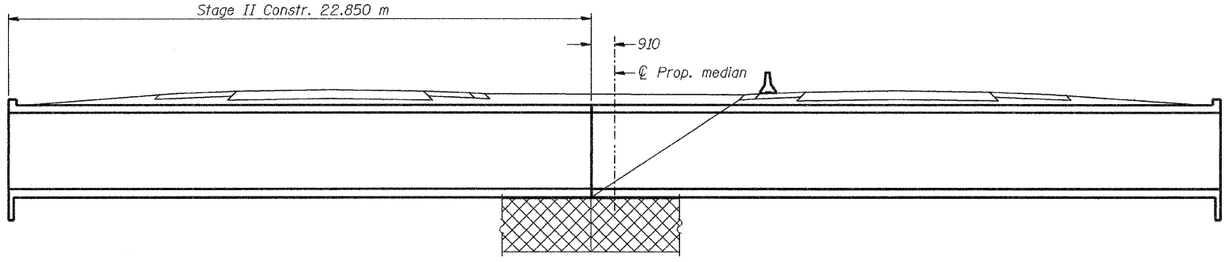
Contract No. 98577



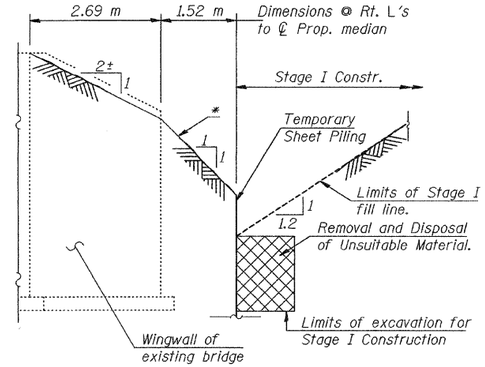
STAGE I CONSTRUCTION



STAGE II REMOVAL

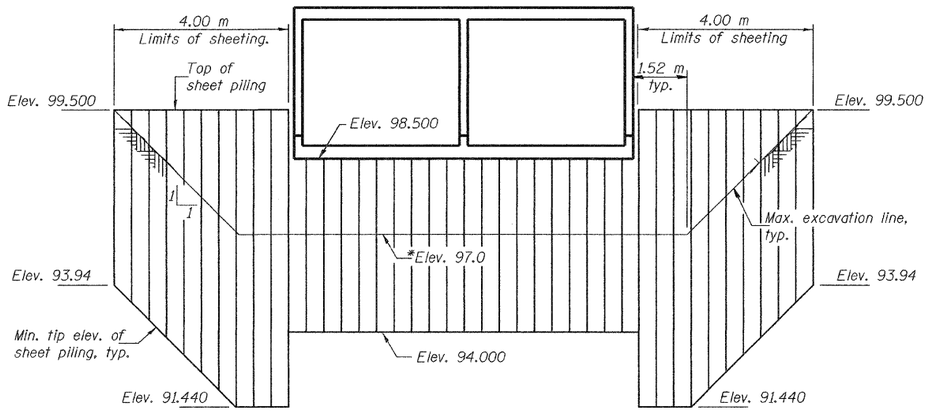


STAGE II CONSTRUCTION



TEMPORARY SHEET PILING DETAIL FOR STAGE I CONSTRUCTION

*The Contractor shall be allowed to remove soil on the retained side at a 1:1 slope to reach the required top of the sheet piling elevation.

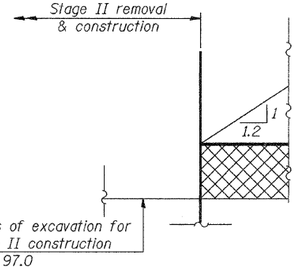


TEMPORARY SHEET PILING

If the Contractor chooses to alter the the temporary cantilevered sheet piling design requirements for lesser requirements, then full design submittals with the required seals will be expected by the department, for review and approval.

Minimum Section Modulus of temporary sheet piling shall be 1613 x $10^3 mm^3$ per meter of wall. Fy = 265 MPa.

*Elevation 97.0 was assumed for designing temporary sheet piling. If a lower elevation for maximum excavation is required, then the new elevation shall be submitted to the Bureau of Bridges & Structures prior to installation of the temporary sheet piling. Redesign of the sheet piling may be required. See Note A on sheet 1 of 11.



TEMPORARY SHEET PILING DETAIL FOR STAGE II REMOVAL & CONSTRUCTION

(Looking east)

Temporary sheet piling shall remain in place until the unsuitable material on the north side of the sheet piling has been replaced with Stone Riprap, Class A1 and Porous Granular Embankment for Stage II construction.

Notes: All cross sections are looking east.
For quantity of temporary concrete barrier, see roadway plans.
Hatched area indicates removal of existing structures.
Cross-hatched area indicates removal and disposal of unsuitable material and replacement with Stone Riprap, Class A1 and Porous Granular Embankment.

DESIGNED	J.S.B.
CHECKED	C.C.C.
DRAWN	h.t. duong R.T.D.
CHECKED	J.S.B./C.C.C.

Jan 26, 2009
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STAGE CONSTRUCTION & TEMPORARY SHEET PILING DETAILS
F.A.P. RTE. 312 - SECTION 101B-1
ALEXANDER COUNTY
STATION 5+699.435
STRUCTURE NO. 002-2002