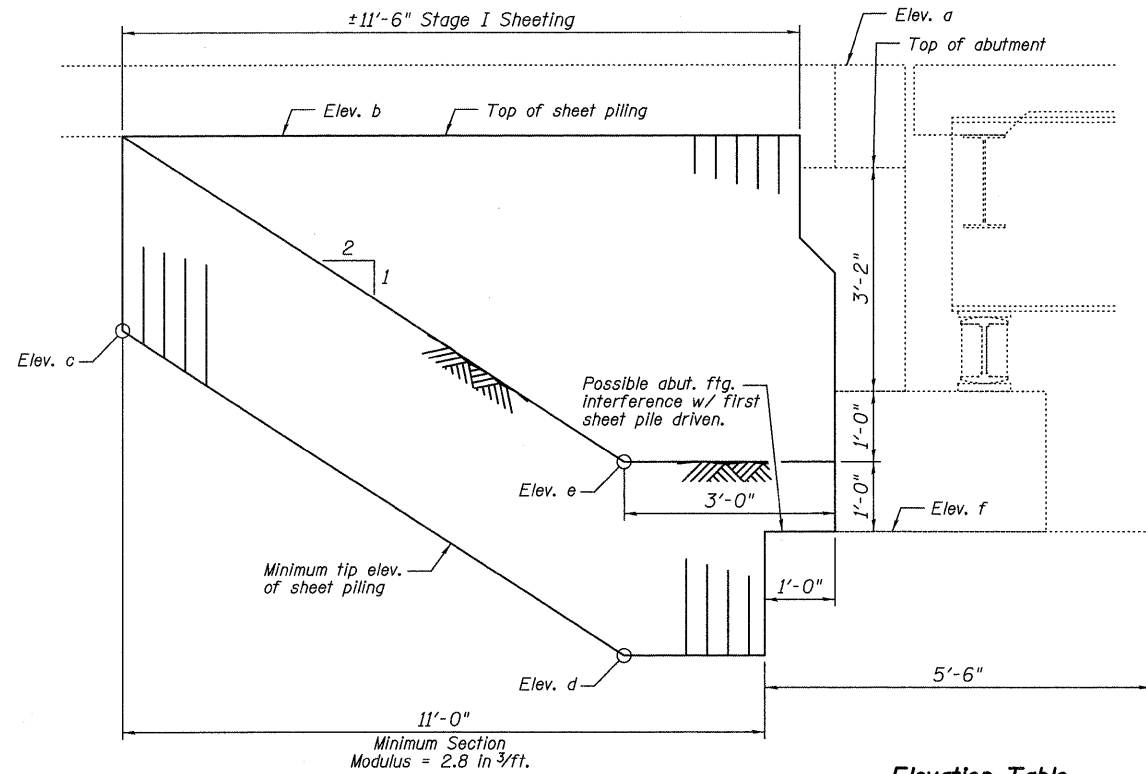


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECT A-A TEMPORARY SHEET PILING DETAILS

Elevation Table

Elevation	N. Abut.	S. Abut.
Elev. a	729.19	729.36
Elev. b	728.19	728.36
Elev. c	719.09	719.26
Elev. d	714.62	714.56
Elev. e	723.72	723.66
Elev. f	722.72	722.66

NOTES

Existing reinforcement shall be cleaned, straightened (if required) and incorporated into the new construction. Cost Included with Concrete Removal.

Existing reinforcement bars which have lost 25% or more of their original diameter shall be supplemented by new epoxy coated bars of the same diameter. New bars shall be drilled and epoxy grouted in place adjacent to the original bars, as directed by the Engineer.

Drilling and epoxy grouting of reinforcement bars shall be in accordance with Article 584 of the Standard Specifications.

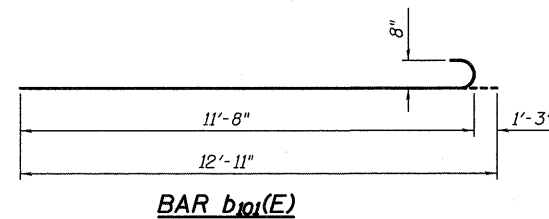
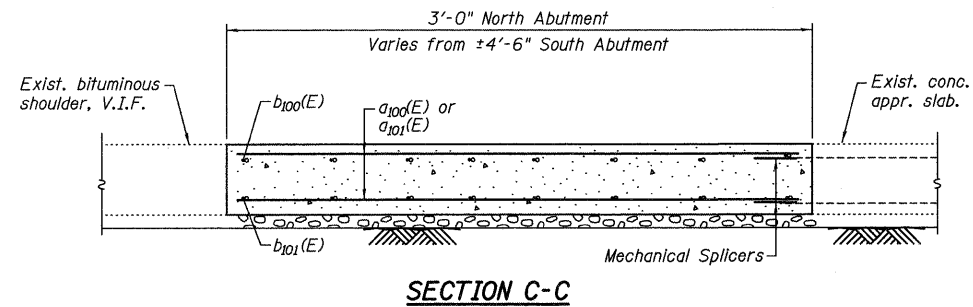
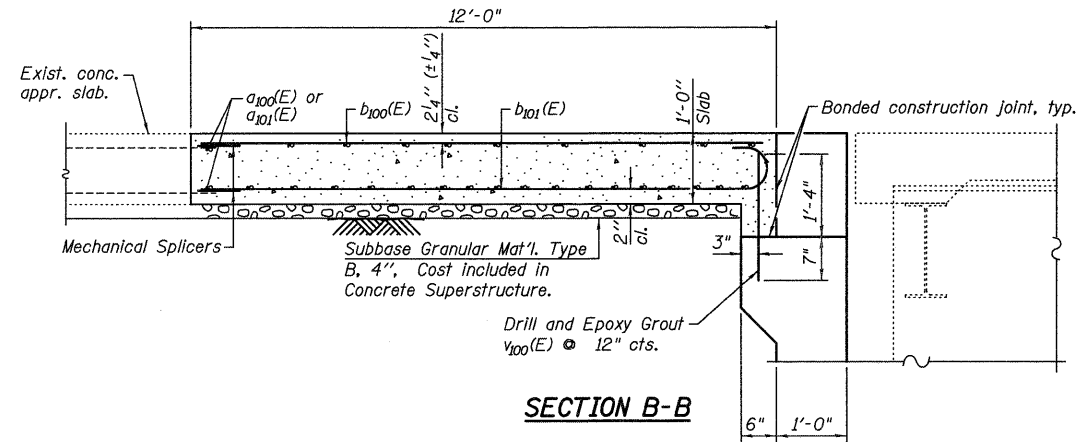
For Temporary Sheet Piling; the min. embedment length = 9.1' and min. section modulus of Temporary Sheet Piling S = 2.8 in³/ft.

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans for lesser design requirements, then full design submittals with required seals will be expected by the Contractor for review and approval at not extra cost to the project.

The Contractor shall connect the first sheet to the existing abutment wall to ensure stability of sheets driven to the top of the existing footing. This connection shall be reviewed and accepted by the Engineer and included in the cost for Temporary Sheet Piling.

See sheet 13 of 23 for Detail Partial Plan Approach Slab Removal & Replacement.

Approach slab shall be paid for as Concrete Superstructure.
Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
Cost of excavation for abutment backwall removal included with Concrete Superstructure.



TWO APPROACH SLABS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a100(E)	10	#4	2'-8"	—
a101(E)	18	#5	2'-8"	—
a02(E)	10	#4	3'-9"	—
a103(E)	18	#5	3'-9"	—
b100(E)	9	#4	11'-8"	—
b101(E)	20	#9	12'-11"	—
v100(E)	7	#5	1'-11"	—
Concrete Removal			Cu. Yd.	3.4
Concrete Superstructure			Cu. Yd.	3.4
Temporary Sheet Piling			Sq. Ft.	232
Reinforcement Bars, Epoxy Coated			Pound	1130
Mechanical Splicers			Each	85

DESIGNED	SLV
CHECKED	DJB
DRAWN	SLV
CHECKED	DJB

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1560 WALL ST, SUITE 222
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(Sheet 2 of 2)
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 099-0039 (SB)

SHEET NO. 14	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	57	99-2VB-I-1	WILL	38	24
23 SHEETS	C-91-215-10		CONTRACT NO. 60J25		
ILLINOIS FED. AID PROJECT					