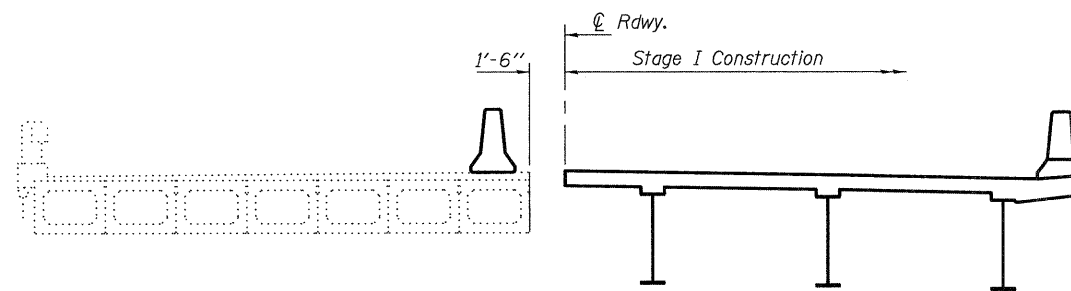
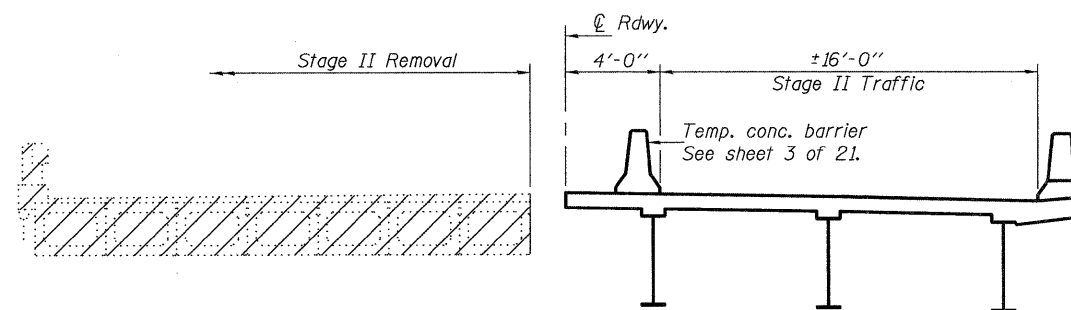


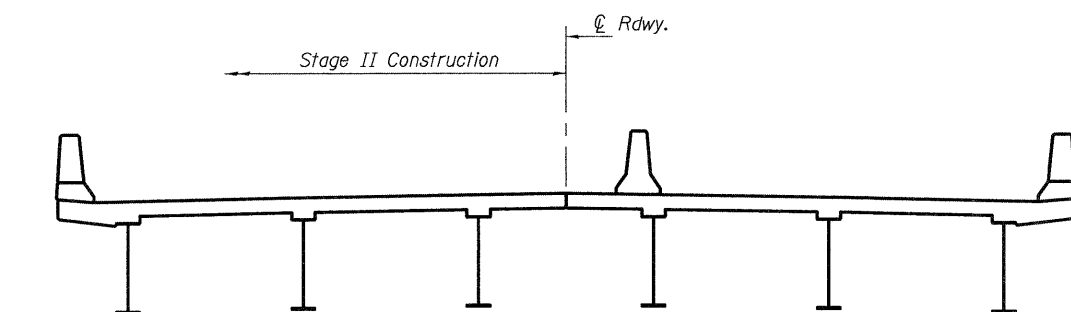
STAGE I REMOVAL



STAGE I CONSTRUCTION

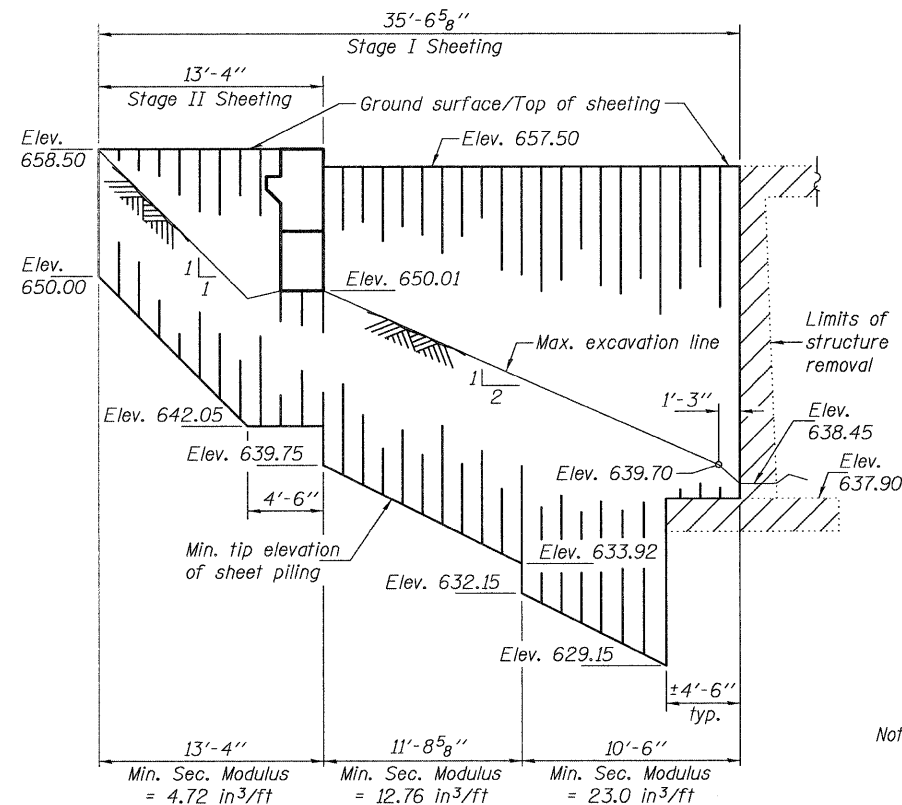


STAGE II REMOVAL

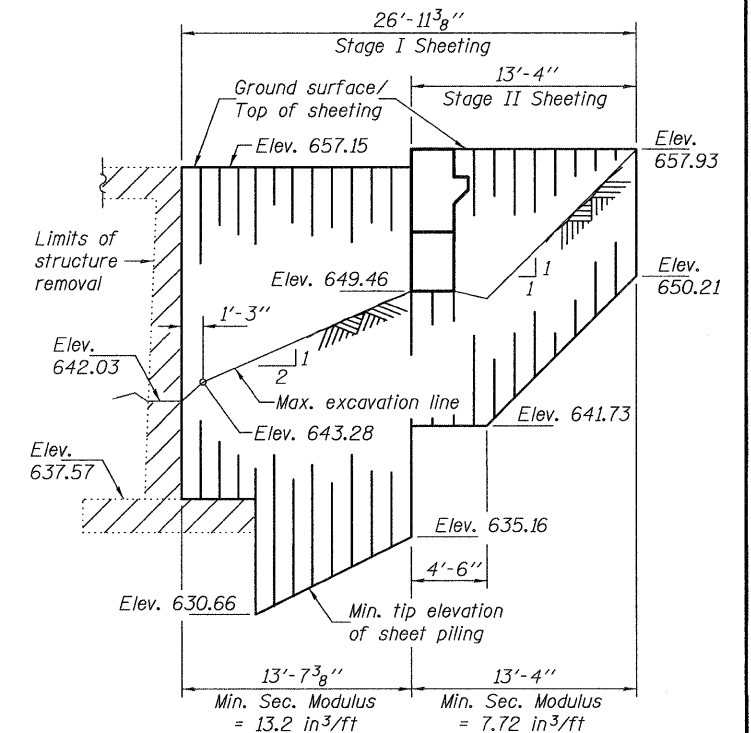


STAGE II CONSTRUCTION

Notes: Hatched areas indicate removal of existing structures.
For quantity of temporary concrete barrier, see Roadway Plans.
All cross sections are looking south.



TEMPORARY SHEET PILING AT NORTH ABUT.



TEMPORARY SHEET PILING AT SOUTH ABUT.

Notes: If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.
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.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		156	156
Stone Riprap, Class A4	Ton		749	749
Filter Fabric	Sq. Yd.		832.6	832.6
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		92	92
Concrete Structures	Cu. Yd.		65.2	65.2
Concrete Superstructure	Cu. Yd.	290.3		290.3
Bridge Deck Grooving	Sq. Yd.	650		650
Protective Coat	Sq. Yd.	797		797
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	1368		1368
Reinforcement Bars, Epoxy Coated	Pound	67740	4240	71980
Bar Splicers	Each	578	98	676
Furnishing Steel Piles HP12x63	Foot		760	760
Driving Piles	Foot		760	760
Test Pile Steel HP12x63	Each		2	2
Temporary Sheet Piling	Sq. Ft.		1165	1165
Name Plates	Each	1		1
Anchor Bolt 1"	Each	24		24
Geocomposite Wall Drain	Sq. Yd.		96.2	96.2
Pipe Underdrains for Structures, 4"	Foot		168.0	168.0
Concrete Encasement	Cu. Yd.		4.2	4.2
Asbestos Bearing Pad Removal	Each		30	30

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 3/4" φ, holes 5/16" φ, unless otherwise noted.
Calculated weight of Structural Steel = 117990 lbs. (Grade 50)
9190 lbs. (Grade 36)
No field welding is permitted except as specified in the contract documents.
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
Reinforcement bars designated (E) shall be epoxy coated.
The Inorganic Zinc Rich Primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be gray, Munsell 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures".
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
Slipforming of the parapet is not allowed.
The Contractor is advised that the existing PPC Deck Beams are in a deteriorated condition with reduced load carrying capacity. It is the contractor's responsibility to account for the condition of the beams when developing construction procedures for removal and replacement of the superstructure.

DESIGNED - Stephen M. Ryan
CHECKED - F. Teklehalmanot
DRAWN - h.t. duong
CHECKED - SMR/FT

EXAMINED
PASSED
Thomas J. Demagala
ENGINEER OF BRIDGE DESIGN
DATE - 10/11/2011
ENGINEER OF BRIDGES AND STRUCTURES

DATE - 10/11/2011

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA & STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 070-0050

SHEET NO. 2 OF 21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(102BY)B-1	MOULTRIE	43	18
CONTRACT NO. 74280			ILLINOIS FED. AID PROJECT	