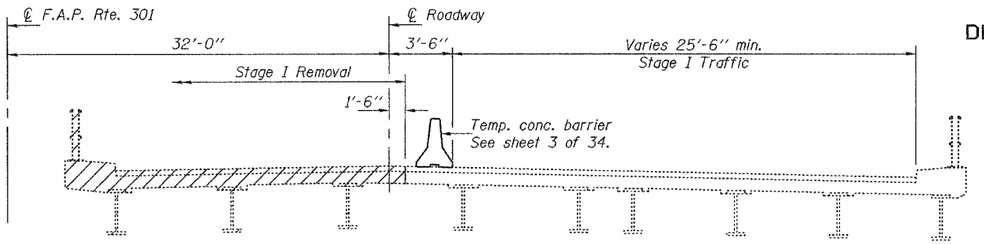
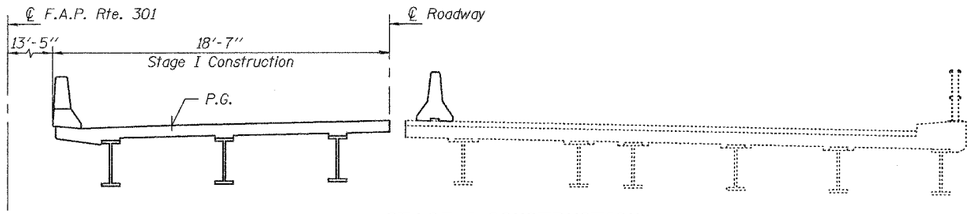
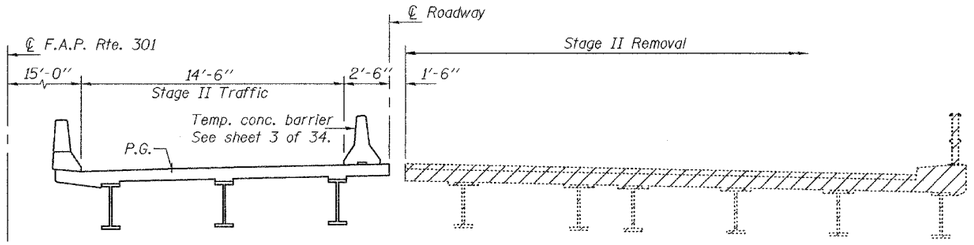


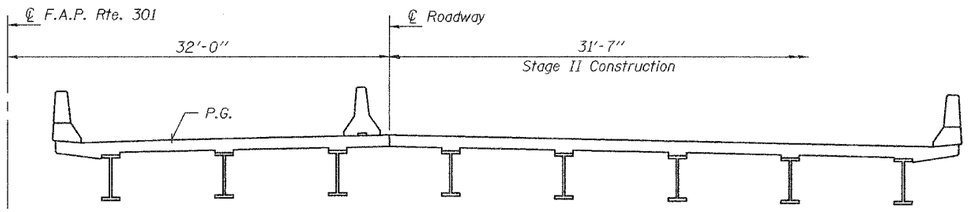
STAGE I REMOVAL



STAGE I CONSTRUCTION



STAGE II REMOVAL



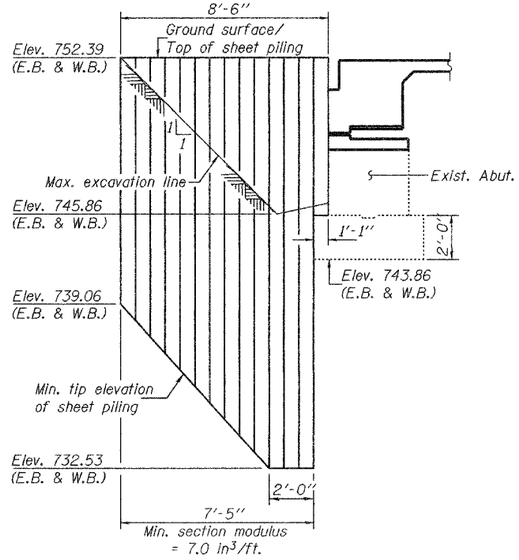
STAGE II CONSTRUCTION

Notes: Hatched areas indicate removal of existing superstructures.
For quantity of temporary concrete barrier, see Roadway Plans.
All cross sections are looking east for East Bound structure and looking west for West Bound structure.

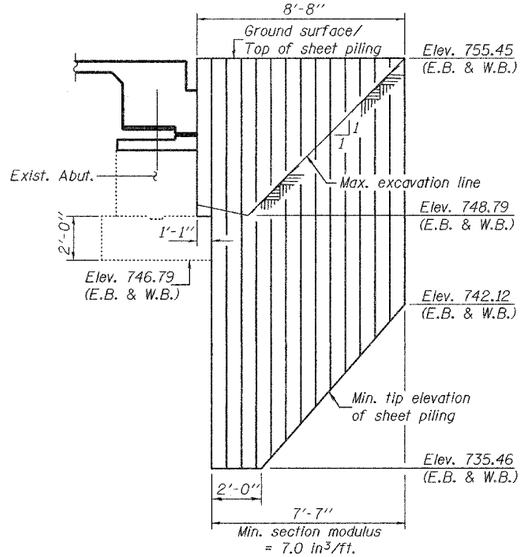
DESIGNED	Stephen M. Ryan
CHECKED	Fess Teklehaimanot
DRAWN	h.t. duong
CHECKED	SMR/FT

Apr. 25, 2008
EXAMINED Thomas J. Domagalski
ENGINEER OF BRIDGE DESIGN
PASSED Ralph E. Anderson
ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



TEMPORARY SHEET PILING AT WEST ABUTS. (E.B. & W.B.)



TEMPORARY SHEET PILING AT EAST ABUTS. (E.B. & W.B.)

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.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 301	3HBR-2	WINNEBAGO	171	88
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 2
34 SHEETS

Contract No. 64292

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{7}{8}$" ϕ, holes $\frac{15}{16}$" ϕ, unless otherwise noted.
Calculated weight of Structural Steel = 504,840 lbs. (AASHTO M270 Gr. 50)
= 40,810 lbs. (AASHTO M270 Gr. 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 (IL Modified). See Special Provisions.
Reinforcement bars designated (E) shall be epoxy coated.
Plan dimensions and details relative to existing plans are subject to routine variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
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 Blue, Munsell No. 10B 3/6. See Special Provision for "Cleaning and Painting New Metal Structures".

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment (Special)	Cu. Yd.		227	227
Removal of Existing Superstructures	Each	2		2
Concrete Removal	Cu. Yd.		63.2	63.2
Structure Excavation	Cu. Yd.		270.9	270.9
Concrete Structures	Cu. Yd.		78.5	78.5
Concrete Superstructure	Cu. Yd.	720.0		720.0
Bridge Deck Grooving	Sq. Yd.	2325		2325
Protective Coat	Sq. Yd.	2820		2820
Elastomeric Bearing Assembly, Type I	Each		32	32
Elastomeric Bearing Assembly, Type II	Each		32	32
Anchor Bolt 1"	Each		128	128
Anchor Bolt 1½"	Each		32	32
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	12672		12672
Reinforcement Bars, Epoxy Coated	Pound	177180	15330	192510
Temporary Sheet Piling	Sq. Ft.		554	554
Name Plates	Each	2		2
Bar Splicers	Each	1650	92	1742
Geocomposite Wall Drain	Sq. Yd.		162.6	162.6
Pipe Underdrains for Structures, 4"	Foot		309	309
Protective Shield	Sq. Yd.	1480		1480

STAGE CONSTRUCTION DETAILS & GENERAL DATA
F.A.P. RTE. 301 - SEC. 3HBR-2
WINNEBAGO COUNTY
STATION 993+43.82
STRUCTURE NO. 101-0065 (E.B.)
STRUCTURE NO. 101-0066 (W.B.)