GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts $\frac{3}{4}$" ϕ, holes $\frac{13}{16}$" ϕ, unless otherwise noted.

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.

Reinforcement bars designated (E) shall be epoxy coated.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer.

Any cracks that cannot be removed by grinding $\frac{1}{4}$" deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.

If the Contractor elects to use cantilever forming brackets on the exterior beams or girders, the brackets shall be placed at the same locations as required for the hardwood blocks in Article 503.06(b) of the Standard Specifications. If additional cantilever forming brackets are required, hardwood blocking shall be wedged between the exterior and first interior beam at each of these additional bracket locations.

Plan dimensions and details relative to existing plans are subject to nominal construction 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 at the unit price bid for the work.

The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

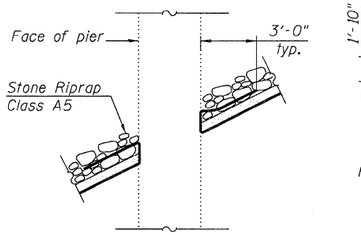
Cleaning and painting of the existing structural steel shall be as specified in the special provision for "Cleaning and Painting Existing Steel Structures". All existing steel shall be cleaned per Near White Blast Cleaning - SSPC-SP10. All new and existing steel shall be painted according to the requirements of Paint System 1 - OZ/E/U. 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 Interstate Green, Munsell No. 7.5G 4/8.

All new structural steel shall be shop painted w/ Inorganic Zinch Rich Primer per AASHTO M300, Type 1.

Slip forming of parapets will not be allowed.

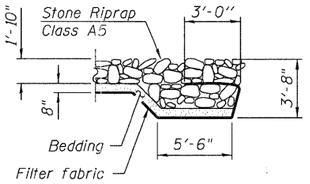
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A5	Sq. Yd.		7,282	7,282
Filter Fabric	Sq. Yd.		7,282	7,282
Concrete Removal	Cu. Yd.		51.4	51.4
Slopewall Removal	Sq. Yd.		3,342	3,342
Removal of Existing Concrete Deck No. 2	Each	2		2
Structure Excavation	Cu. Yd.		405	405
Concrete Structures	Cu. Yd.		78.7	78.7
Concrete Superstructure	Cu. Yd.	810.6		810.6
Bridge Deck Grooving	Sq. Yd.	1,936		1,936
Protective Coat	Sq. Yd.	2,440		2,440
Furnishing and Erecting Structural Steel	Pound	10,200		10,200
Stud Shear Connectors	Each	6,516		6,516
Reinforcement Bars, Epoxy Coated	Pound	177,720	5,400	183,120
Bar Splicers	Each	1,520	168	1,688
Name Plates	Each	2		2
Elastomeric Bearing Assembly, Type I	Each		24	24
Anchor Bolts, 1"	Each	48		48
Geocomposite Wall Drain	Sq. Yd.		80	80
Porous Granular Embankment, Special	Cu. Yd.		259	259
Jack and Remove Existing Bearings	Each		24	24
Structural Steel Removal	Pound	5,940		5,940
Cleaning and Painting Steel Bridge No. 2	L. Sum	1		1
Containment and Disposal of Lead Paint Cleaning Residues No. 2	L. Sum	1		1
Temporary Sheet Piling	Sq. Ft.		668	668
Pipe Underdrains for Structures 4"	Foot		243	243

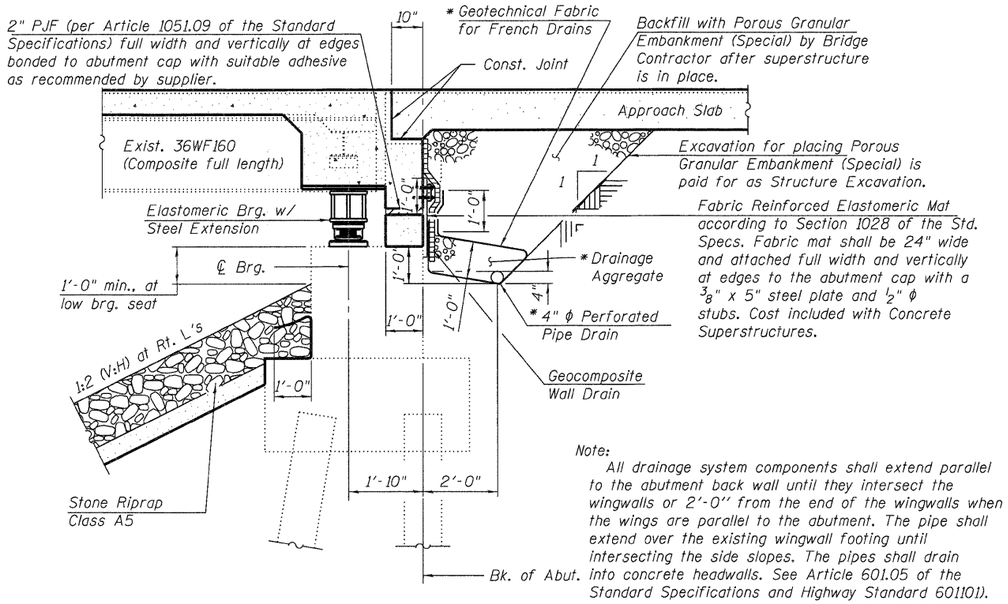


DETAIL A

(Riprap treatment around pier typ. each pier)



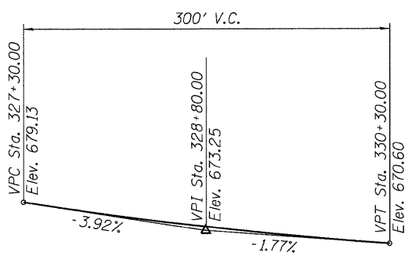
SECTION A-A



Note:
All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend over the existing wingwall footing until intersecting the side slopes. The pipes shall drain into concrete headwalls. See Article 601.05 of the Standard Specifications and Highway Standard 601101.

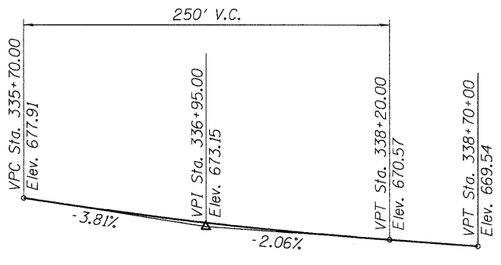
SECTION THRU SEMI-INTEGRAL ABUTMENT

* Included in the cost of Pipe Underdrains for Structures.



PROFILE GRADE WB

Along ℄ of W.B. Roadway



PROFILE GRADE EB

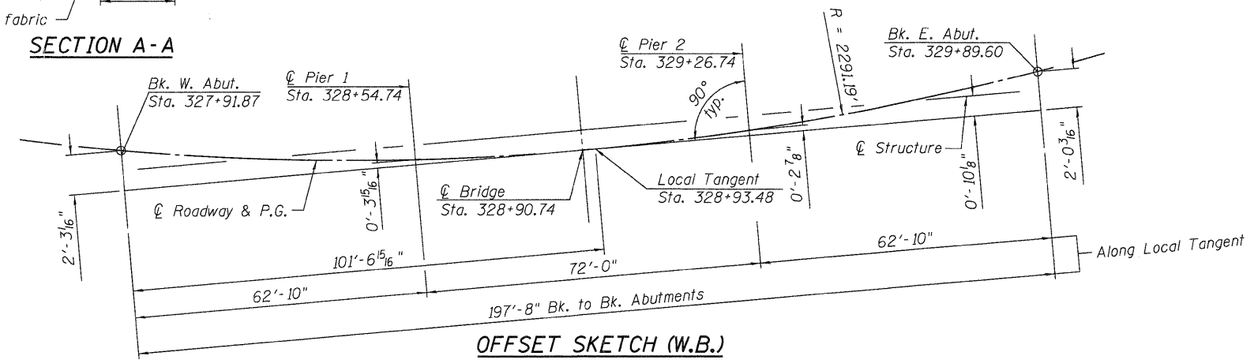
Along ℄ of E.B. Roadway

WB CURVE DATA

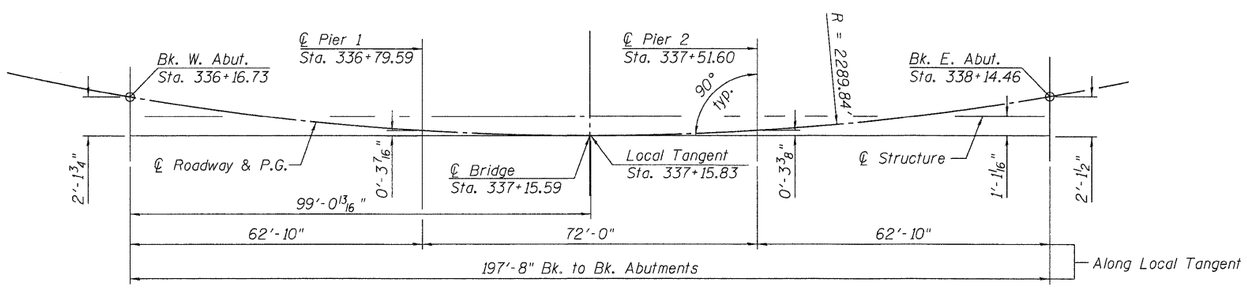
Δ = 34°19'-57" (Lt.)
D = 2°30'03"
T = 707.76'
L = 1,372.91'
E = 106.82'
R = 2,291.19'
S.E. = 0.045'/Ft.
P.C. = Sta. 325+59.02
P.T. = Sta. 339+31.93
P.I. = Sta. 332+66.78

EB CURVE DATA

Δ = 31°29'55" (Lt.)
D = 2°30'08"
T = 645.77'
L = 1,258.85'
E = 89.32'
R = 2,289.84'
S.E. = 0.045'/Ft.
P.C. = Sta. 334+33.59
P.T. = Sta. 346+92.44
P.I. = Sta. 340+79.36



OFFSET SKETCH (W.B.)



OFFSET SKETCH (E.B.)

USER NAME = dheberling	DESIGNED - BRD	REVISED -	
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PLOT DATE = 12/6/2011	DRAWN - DLH	REVISED -	
PLOT TIME = 10:06:32 AM	CHECKED - BRD/SDS	REVISED -	

WHKS & CO. ENGINEERING
7018 KINGSMILL CT., SPRINGFIELD, IL (217) 483-9457 DESIGN FIRM #184001036

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 043-0004 & 043-0005
SHEET NO. 2 OF 27 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(43B, 44B, 44HB, 45B)D	JO DAVIESS	309	115
		CONTRACT NO. 64C94		
	ILLINOIS	FED. AID PROJECT		