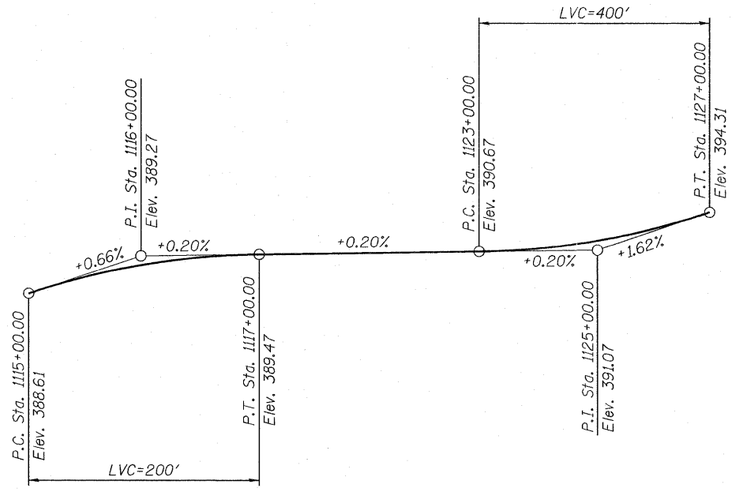

PROFILE GRADE
(Along ℄ Roadway)

CURVE DATA
(Il. Rte. 4)

D= 3°-42'-32" S.E.= 7.3%
R= 1544.83' P.C. Sta.= 1122+48.60
L= 878.40' P.T. Sta.= 1131+27.00
T= 451.43'
E= 64.41'

Note: Transition from normal crown to full superelevation is attained linearly from Sta. 1122+34.00 to Sta. 1124+38.00.

GENERAL NOTES

* Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts 7/8 in. ϕ, holes 15/16 in. ϕ unless otherwise noted.

* Calculated weight of Structural Steel = 636,850 lbs.

* All structural steel shall be AASHTO M270 Grade 50W except expansion joints which shall be AASHTO M270 Grade 50. All structural steel shall be cleaned as specified in the Special Provision for "Surface Prepatation and Painting Requirements for Weathering Steel".

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.

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

Bearing seat surfaces shall be constructed or adjusted to their designated elevations within a tolerance of 1/8 inch (0.01 ft). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Concrete Sealer shall be applied to the designated areas of the East and West Abutments.

* All structural steel and exposed surfaces of bearings within a distance of 10 ft. each way from the deck joints shall be painted as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

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

Seal coat thickness design is based on the Cofferdam Design Water Elevation (CDWE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.

Slipforming of parapets is not allowed.

Dynamic Pile Monitoring will be required for all test piles. See Special Provisions.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		1584	1584
Filter Fabric	Sq. Yd.		1584	1584
Removal of Existing Structures	Each			1
Structure Excavation	Cu. Yd.		372	372
Cofferdam Excavation	Cu. Yd.		1386	1386
Cofferdam (Type 2) (Location - 1)	Each		1	1
Cofferdam (Type 2) (Location - 2)	Each		1	1
Floor Drains	Each	52		52
Concrete Structures	Cu. Yd.		634.1	634.1
Concrete Superstructure	Cu. Yd.	617.3		617.3
Bridge Deck Grooving	Sq. Yd.	1688		1688
Seal Coat Concrete	Cu. Yd.		462.0	462.0
Concrete Encasement	Cu. Yd.		12.0	12.0
Protective Coat	Sq. Yd.	2200		2200
Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	4104		4104
Reinforcement Bars, Epoxy Coated	Pound	153,240	138,530	291,770
Bar Splicers	Each		84	84
Furnishing Steel Piles HP14x73	Foot		2590	2590
Driving Piles	Foot		2590	2590
Test Pile Steel HP14x73	Each		4	4
Pile Shoes	Each		46	46
Name Plates	Each	1		1
Preformed Joint Strip Seal	Foot	87.5		87.5
Erecting Elastomeric Bearing Assembly, Type II	Each	12		12
Anchor Bolts, 3/4"	Each	24		24
Anchor Bolts, 1 1/4"	Each	24		24
Concrete Sealer	Sq. Ft.		1280	1280
Geocomposite Wall Drain	Sq. Yd.		78	78
Porous Granular Embankment, Special	Cu. Yd.		174	174
Asbestos Bearing Pad Removal	Each	132		132
Drainage Scuppers, DS-11	Each	2		2
Pipe Underdrains for Structures 4"	Foot		107	107

INDEX OF SHEETS

* FOR INFORMATION ONLY

Structural steel and bearings were furnished in Contract 78283.

JACOBS

USER NAME =	DESIGNED - B. ERSCHEN	REVISED -	
	CHECKED - R. NIEMIETZ	REVISED -	
PLOT DATE = 19-OCT-2011	DRAWN - C. SALLADE	REVISED -	
FILE NAME=039-0074978049-Structure Data.dgn	CHECKED - B. ERSCHEN	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL STRUCTURE DATA
STRUCTURE NO. 039-0074
SHEET NO. 2 OF 35 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
686	114B-1	JACKSON	81	114
		CONTRACT NO. 78049		
		ILLINOIS FED. AID PROJECT		