### INDEX OF SHEETS

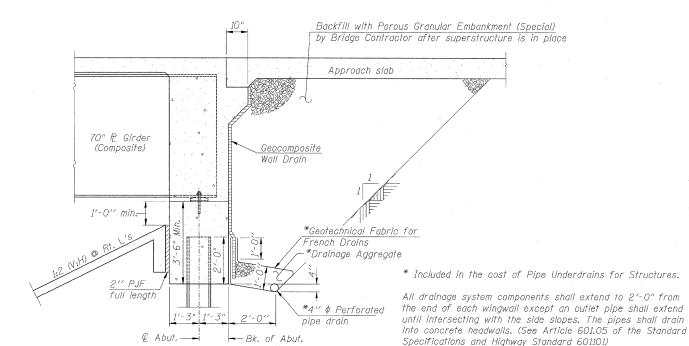
- 1. General Plan & Elevation
- 2. General Data
- 3. Top of Slab Elevations 1
- 4. Top of Slab Elevations 2
- 5. Top of Slab Elevations 3
- 6. West Approach Top of Slab Elevations
- 7. East Approach Top of Slab Elevations
- 8. Westbound Superstructure Plan
- 9. Eastbound Superstructure Plan
- 10. Superstructure Details
- 11. Abutment Diaphragm Details
- 12. Westbound Bridge Approach Slab Details 1
- 13. Westbound Bridge Approach Slab Details 2
- 14. Eastbound Bridge Approach Slab Details 1
- 15. Eastbound Bridge Approach Slab Details 2
- 16. Framing Plan
- 17. Structural Steel Details 1
- 18. Structural Steel Details 2
- 19. Westbound West Abutment
- 20. Westbound East Abutment
- 21. Eastbound West Abutment 22. Eastbound East Abutment
- 23, Bar Splicer Assembly Details
- 24. Metal Shell Pile Details
- 25. Boring Logs 1
- 26. Boring Logs 2
- 27. Boring Logs 3
- 28. Boring Logs 4
- 29. Boring Logs 5
- 30. Boring Logs 6

#### GENERAL NOTES

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts <sup>3</sup><sub>4</sub> in. dia., holes <sup>15</sup><sub>16</sub> in. dia., unless otherwise noted.
- 2. Calculated weight of structural steel (M270 Grade 50) = 659,400 pounds. Calculated weight of structural steel (M270 Grade 36) = 50,100 pounds.
- 3. No field welding is permitted except as specified in the contract documents.
- 4. Reinforcement bars shall conform to the requirements of ASTM A706 Gr 60. See Special Provisions.
- 5. Reinforcement bars designated (E) shall be epoxy coated,
- 6. The inorganic Zinc Rich Primer/Acrylic/Acrylic Paint System shall be used for shop and field painting of the 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 No. 5B 7/1. See Special Provision for "Cleaning and Painting New Metal Structures."
- 7. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- 8. The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at substructures specified or approved by the Engineer before ordering the remainder of piles.
- 9. Slipforming of the parapets is not allowed.
- 10. 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.

#### TOTAL BILL OF MATERIAL

CODE	ITEM	UNIT	SUPER	SUB	TOTAL
50300225	Concrete Structures	Cu. Yd.		170.7	170.7
50300255	Concrete Superstructure	Cu. Yd.	1,040.8		1,040.8
50300260	Bridge Deck Grooving	Sq. Yd.	2,607	The state of the s	2,607
50300300	Protective Coat	Sq. Yd.	2,997		2,997
50500105	Furnishing and Erecting Structural Steel	L. Sum	1		1
50500505	Stud Shear Connectors	Each	6,426		6,426
50800205	Reinforcement Bars, Epoxy Coated	Pound	219.330	30,250	249,580
50800515	Bar Splicers	Each	212		212
51100100	Slopewall 4 Inch	Sq. Yd.	·	1,090	1,090
51200958	Furnishing Metal Shell Piles 14" x 0.250"	Foot		3,804	3,804
51202305	Driving Piles	Foot	-	3,804	3,804
51203200	Test Pile Metal Shells	Each		4	4
51500100	Name Plates	Each	2		2
52000030	Preformed Joint Seal 2 <sup>1</sup> 2"	Foot	158		158
52100520	Anchor Bolts, 1"	Each		56	56
59100100	Geocomposite Wall Drain	Sq. Yd.		288	288
81200230	Conduit Embedded in Structure, 2" Dia., PVC	Foot	1 <b>,</b> 195		1,195
X2070304	Porous Granular Embankment, Special	Cu. Yd.		680	680
Z0046304	Pipe Underdrains for Structures 4"	Foot		296	296



SECTION THRU ABUTMENT

BECTION A-A

SECTION A-A

Poured against undisturbed embankment 6"

10'-0"

SECTION A-A

2'-0"

1:4

(V:H)

Edge of deck --

## SLOPEWALL TREATMENT

Slopewall shall be reinforced with welded wire fabric, 6 in. x 6 in. - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.

STATION 192+97.45
BUILT BY
STATE OF ILLINOIS
F.A.I. RT. 70 SEC. 82-1-2HB
LOADING HL-93
STRUCTURE NO. 082-0312 (EB)

NAME PLATE
See Std. 515001

STATION 192+97.45
BUILT BY
STATE OF ILLINOIS
F.A.I. RT. 70 SEC. 82-1-2HB
LOADING HL-93
STRUCTURE NO. 082-0313 (WB)

NAME PLATE
See Std. 515001

GENERAL DATA

INTERSTATE 70 OVER 1ST STREET

FAI-70

SECTION 82-1-2HB

ST. CLAIR COUNTY

STA. 192+97.45

STRUCTURE NO. 082-0312 (EB)

STRUCTURE NO. 082-0313 (WB)

# ROKA Zroka Engineering, P.C. 4216 North Hermitage Chicago, IL 60613 FILE NAME = USER NAME = SAW

.\D8TRI

NAME =	USER NAME = SAW	DESIGNED - LAS	REVISED -			F.A.P. SECTION	COUNTY TOTAL SHEET SHEETS NO.
3TRI-0820312-0820313-76C50-002-GenDa	ta.dgn PLOT SCALE = 1.00000 '/ IN.	DRAWN - SAW CHECKED - LAS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL DATA	998 82-1-2HB	ST. CLAIR 72 32
	PLOT DATE = 2/25/2011	DATE - 3-18-11 REVISED -	REVISED -	DEFAITMENT OF THATOI ON A TION	SCALE: NONE SHEET NO. 2 OF 30 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. A	CONTRACT NO. 76C50