

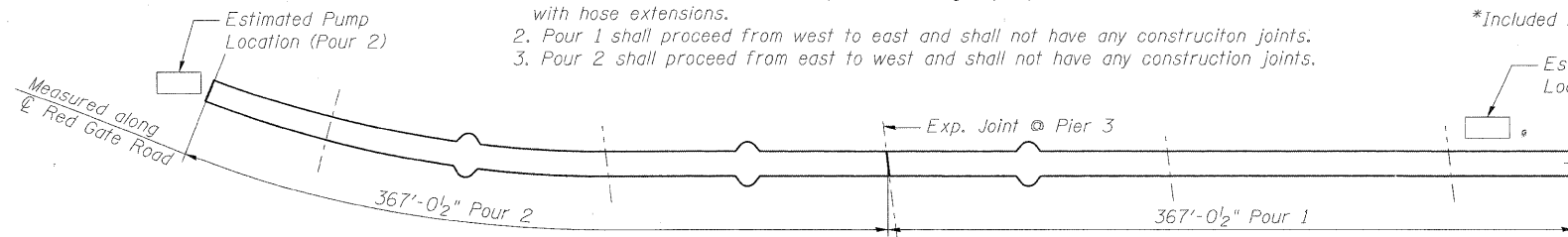
**GENERAL NOTES**

- Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8"  $\phi$ , holes 15/16"  $\phi$ , unless otherwise noted.
- Calculated weight of Structural Steel = 286,000 pounds.
- All structural steel shall be AASHTO M270 Grade 50.
- 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.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations with a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
- Concrete Sealer shall be applied to the abutment seats and backwalls.
- 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 shall match color SW7680 "Lanyard" with RGB Value R-191, G-153, B-116. See Special Provision for "Cleaning and Painting New Metal Structures."
- Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- The contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water. This shall include the placement of material for run-arounds, causeways, temporary bridge, etc. Any permit application by the Contractor shall refer to the IDNR 3708 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
- Reinforcement bar lap splices shall be Class C. Top bars so placed that more than 12 inches of concrete is cast below the reinforcement shall be lapped for 1.4 x basic lap. Reinforcement bar splices shall be in accordance with the following table unless shown otherwise on the drawing.

Bar Size	Epoxy Coated	
	Basic Lap	1.4 Basic Lap
#4	2'-7"	2'-11"
#5	3'-3"	3'-8"
#6	3'-10"	4'-5"
#7	5'-2"	5'-10"
#8	6'-9"	7'-8"
#9	8'-7"	9'-8"
#10	10'-10"	12'-4"
#11	13'-4"	15'-1"

**NOTES:**

- It is assumed concrete will be placed utilizing a pump truck with hose extensions.
- Pour 1 shall proceed from west to east and shall not have any construction joints.
- Pour 2 shall proceed from east to west and shall not have any construction joints.



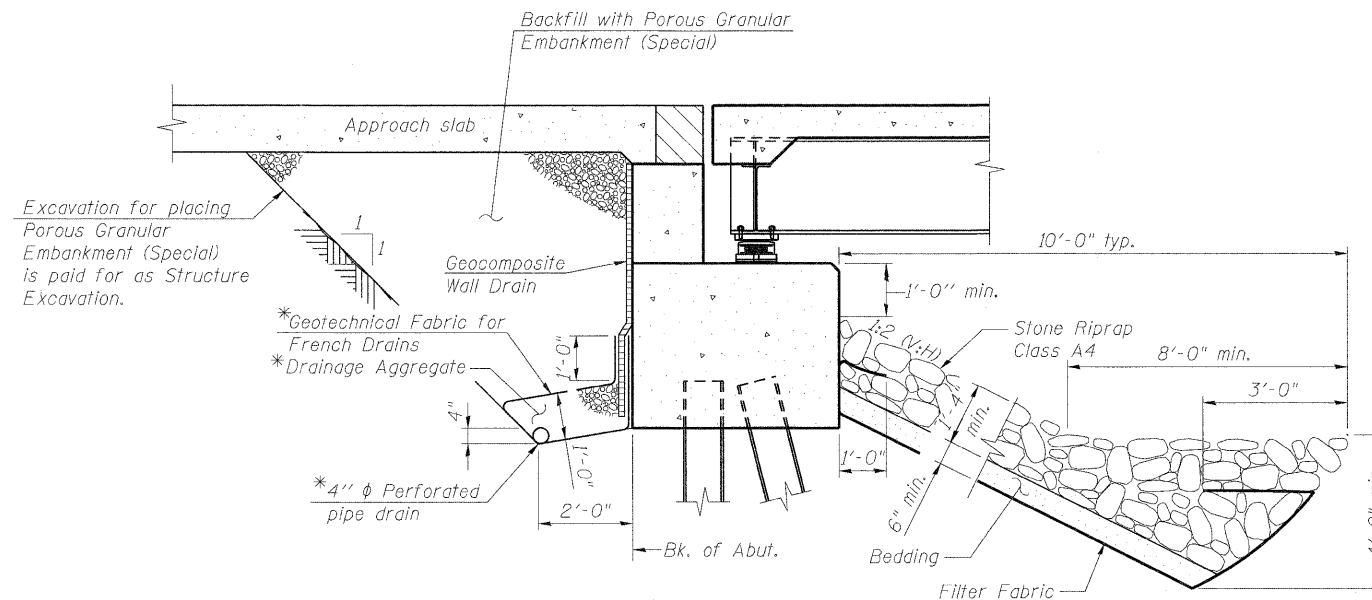
**Pour Sequence**

**INDEX OF SHEETS**

- SM1 General Plan and Elevation
- SM2 General Notes, Index of Sheets and Total Bill of Material
- SM3 Walkway Deck Reinforcement Plan
- SM4 Walkway Deck Cross Sections
- SM5 Walkway Deck Details and Bill of Material
- SM6 Preformed Joint Strip Seal
- SM7 Framing Plan
- SM8 Steel Beam Details (1 of 2)
- SM9 Steel Beam Details (2 of 2)
- SM10 Camber Diagram
- SM11 Cable Stay Details (1 of 2)
- SM12 Cable Stay Details (2 of 2)
- SM13 Steel Erection Plan
- SM14 Erection Plan and Details
- SM15 Bearing Details
- SM16 West Abutment Details (1 of 2)
- SM17 West Abutment Details (2 of 2)
- SM18 East Abutment Details
- SM19 West Approach Slab Details

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.	-	27	27
Stone Riprap, Class A4	Sq. Yd.	-	157	157
Structure Excavation	Cu. Yd.	-	46	46
Concrete Structures	Cu. Yd.	-	44.3	44.3
Concrete Superstructure	Cu. Yd.	207.4	-	207.4
Concrete Encasement	Cu. Yd.	-	3.6	3.6
Protective Coat	Sq. Yd.	1,086	-	1,086
Reinforcement Bars, Epoxy Coated	Pound.	75,070	4,900	79,970
Bar Splicers	Each	-	19	19
Furnishing Steel Piles HP12x53	Foot	-	220	220
Driving Piles	Foot	-	220	220
Test Pile Steel HP12x53	Each	-	2	2
Pile Shoes	Each	-	12	12
Name Plates	Each	1	-	1
Preformed Joint Strip Seal	Foot	39	-	39
Anchor Bolts, 1"	Each	-	24	24
Anchor Bolts, 1 1/4"	Each	-	8	8
Elastomeric Bearing Assembly Type II	Each	-	12	12
Concrete Sealer	Sq. Ft.	-	581	581
Geocomposite Wall Drain	Sq. Yd.	-	11	11
Pipe Underdrains for Structures, 4"	Foot	-	28	28
Furnishing and Erecting Structural Steel Bridge No. 1	L Sum	1	-	1
Furnishing Cable Stay System	L Sum	1	-	1
Anti-Graffiti Coating	Sq. Ft.	674	-	674



**SECTION THRU PILE SUPPORTED STUB ABUTMENT**  
(Horiz. dim.  $\odot$  Rt. L's)

\*Included in the cost of Pipe Underdrains for Structures.

Note:  
Drainage system components are required for the west abutment only and shall extend parallel to the abutment back wall until they intersect the wingwalls. The pipe shall extend under the wingwall until intersecting the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

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FILE NAME =	USER NAME = akoschell	DESIGNED - JLS	REVISED -
0456020_02_0Notes.dgn		CHECKED - AJK	REVISED -
	PLDT SCALE =	DRAWN - RMG	REVISED -
	PLDT DATE = 11/18/2011	CHECKED - AJK	REVISED -



**CITY OF ST. CHARLES**

**GENERAL NOTES, INDEX OF SHEETS AND TOTAL BILL OF MATERIAL**  
**STRUCTURE NO. 045-6020 MULTI-USE TRAIL BRIDGE OVER FOX RIVER**

SHEET NO. SM2 OF SM19 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	04-00092-00-BR	KANE	440	280
			CONTRACT NO. 63650	
ILLINOIS FED. AID PROJECT				