

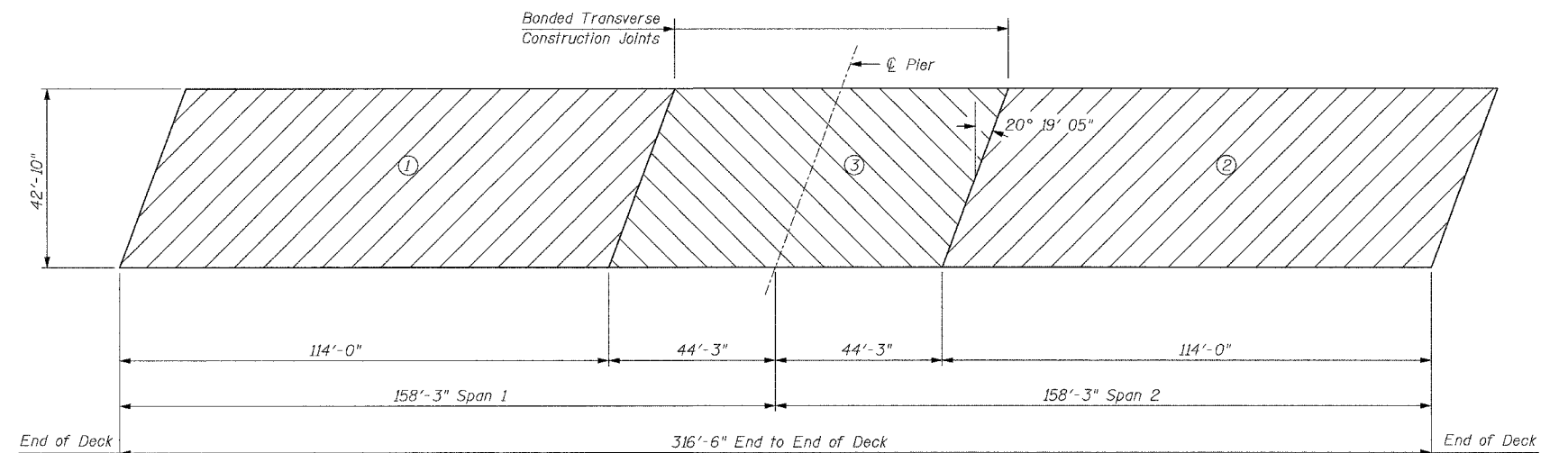
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	99-00124-01-PV	COLES	157	85
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

**GENERAL NOTES**

- Fasteners shall be high strength bolts. Bolts 7/8" diameter, open holes 5/8"  $\phi$ , unless otherwise noted.
- Calculated weight of Structural Steel = 455,990 lbs (AASHTO M270, Grade 50).  
28,470 lbs (AASHTO M270, Grade 36).
- Field welding of construction accessories will not be permitted to beams or girders.
- Anchor bolts shall be set before bolting cross frames over supports.
- The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the tension flanges, webs and all splice plate material except fill plates.
- Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
- Slope Wall shall be reinforced with welded wire fabric 6"x6" - W4.0 x W4.0, weighing 58 lbs. per 100 sq. ft.
- The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two 1/8" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims.
- Piles at abutments shall be driven in holes precored through the embankment according to Article 512.10 (c) of the Standard Specifications.
- The Contractor shall drive 2 Steel HP14x89 test piles in a permanent location, one at the Pier and one at the west abutment, as directed by the Engineer before ordering the remainder of the piles.
- All construction joints shall be bonded.
- When the Deck pour is stopped for the day at one or more of the transverse Bonded Construction Joints in the Deck Pouring Sequence as shown, The next pour shall not be made until both of the following requirements are met:
  - At least 72 hours shall have elapsed from the end of the previous pour.
  - The concrete strength shall have attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi
- 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 light gray, Munsell No. 10Y7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Interstate Green Munsell color standard 7.5G 4/8. 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.		362	362
Structure Excavation	Cu. Yd.		618	618
Bridge Deck Grooving	Sq. Yd.	1337		1337
Protective Coat	Sq. Yd.	1672		1672
Concrete Structures	Cu. Yd.		142.4	142.4
Concrete Superstructure	Cu. Yd.	486.8		486.8
Reinforcement Bars, Epoxy Coated	Lb	102270	26640	128910
Floor Drains	Each	8		8
Name Plates	Each		1	1
Furnishing Steel Piles HP 14X89	Ft.		2687	2687
Driving Steel Piles	Ft.		2687	2687
Test Pile Steel HP 14x89	Each	2		2
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	2400		2400
Slope Wall 4 inch	Sq. Yd.		825	825
Bar Splicers	Each	80		80



**DECK POURING SEQUENCE**

The Concrete Deck Segments shall be poured in the numerical order shown above. Pour ① and ② shall be completed on the same day.

**THE UPCHURCH GROUP**

HILLSIDE, IL. (708) 449-2321  
MATTOON, IL. (217) 235-3177

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
GENERAL NOTES, BILL OF MATERIAL  
CH 18 OVER US 45 AND CN/IC RR  
FAS 642 SECTION 99-00124-01-PV  
COLES COUNTY  
STA. 121+87.25 STR. No. 015-3400

SCALE: DRAWN BY LMP  
DATE: 6/21/05 CHECKED BY MJS