

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROJECT NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SN 025-0083	DT BRIDGE PAINTING 2013-	FAYETTE & EFFINGHAM	10	5

E.M. 3016-0505 structure on SW Wingwall  
with Salt Creek bridge elev. 457.32.  
Existing structure @ Sta. 505+75 to be removed.  
Built in 1900 as S.B. I.R.R. 25' x 6' 8"  
with 2 C.C. on solid pier and other  
parts in concrete with cast-in-place  
forming structure to be used as the new  
structure.

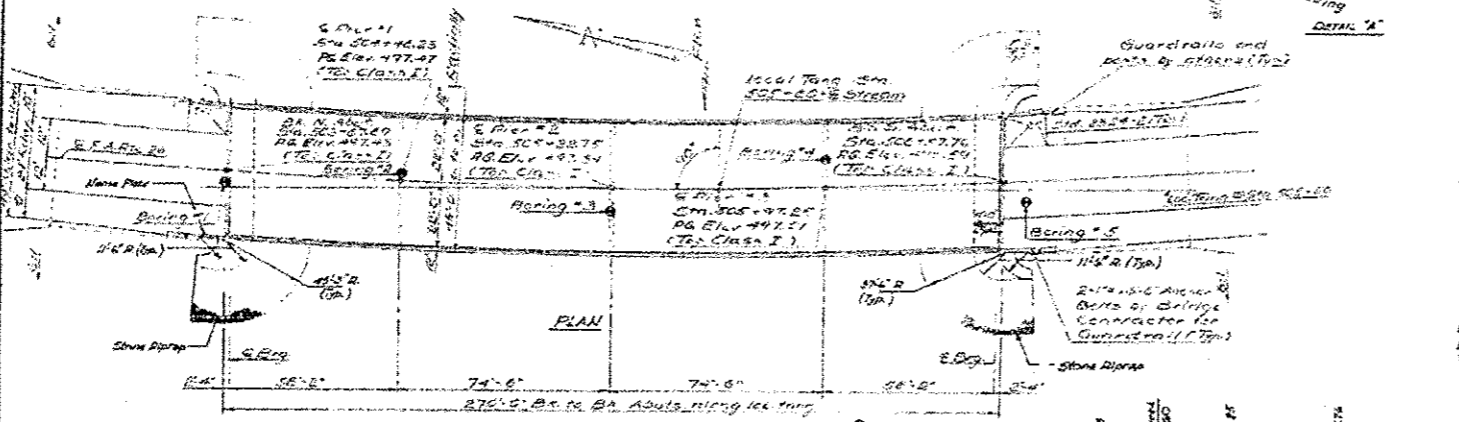
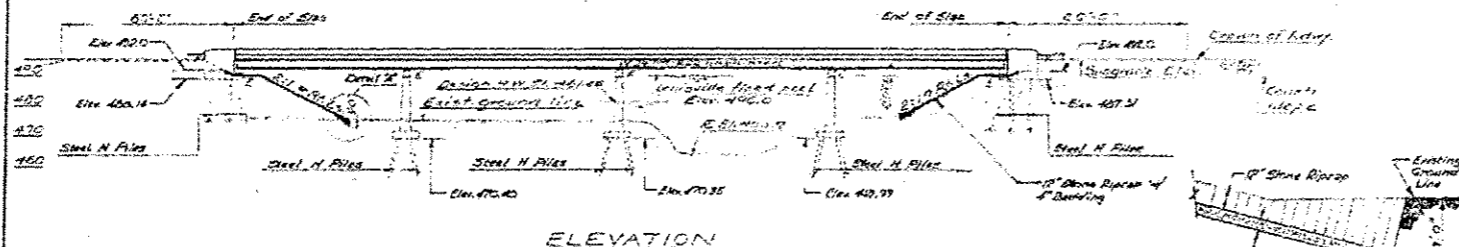
GENERAL NOTES

All reinforcement bars shall be lap spliced 24 diameters unless otherwise shown.  
Fasteners shall be high strength bolts. Bolts 3/4" diam. shall be 50ksi unless otherwise noted.  
Estimated weight of Structural Steel = 271,130 Lbs.  
All structural steel shall be A572, 50ksi unless otherwise noted.  
Layout of Riprap may be varied in the field to suit ground conditions as directed by the Engineer.  
Final grading of construction accessories will not be permitted to be below the top of deck or greater nor to the top of parapet for a distance equal to one-fourth the span length with any less than one support. Final grading in other areas will be permitted only when approved by the Engineer.  
Anchor bolts shall be set before placing parapets over supports.  
The Contractor shall drive 3 steel (14" O.D. x 36") test piles. (See Sht. # 4 & 5) in permanent location as directed by the Engineer before ordering the remainder of piles.  
The embankment configuration shown shall be the minimum embankment and shall be constructed prior to construction of the abutments.  
The concrete rail section above the masonry construction just at the top of the pier shall be constructed of Class II Concrete, except the approaches shall conform to the requirements of Standard Concrete.  
Parapets shall not be applied in surfaces to which Waterproofing Membrane System is applied.  
Bracing steel surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 inch. Adjustment shall be made when by grinding the surface or by shimming the bracing. Top of bracing shall be provided at the bottom drawing plate, and be provided for each bearing in column in all other plans or sheets.  
See Proposal for boring logs.

TOTAL BILL OF MATERIAL

ITEM	QUANTITY	UNIT	AMOUNT	PRICE	TOTAL
Class II Concrete	271,130	CU YD	3,876	672.8	2,611,808
Class A Concrete	271,130	CU YD	3,876	320.7	909,700
Structural Steel		LBS.		1.35	366,025
Reinforcement Bars	50,360	LB.	23,400	178.00	4,165,200
Steel Piles (HP 61.58)	3	LINEAL FT.	160.0	160.00	480.00
Test Piles - Steel (HP 61.58)	3	LINEAL FT.	3	160.00	480.00
Name Plates	1	EACH	1	1.00	1.00
Stone Riprap	1225	CU YD	1225	122.50	150,062.50
Waterproofing Membrane System	1762	SQ. YD.	1762	126.00	223,052.00
Silt Conc. Surface Course Class I	100	CU YD	100	100.00	10,000.00
Reinforced Expansion Joint (R)	1	LINEAL FT.	90	90.00	8,100.00
Structure Excavation	312	CU YD	312	312.00	97,344.00

\* See Special Provision  
L NOT IN THIS CONTRACT - to be included in the Road  
Contract Section 3-1



CURVE DATA

STATION	500+00.00
CHORD	175'-00"
DELTA	175'-00"
PI	37.50'
T	165.21'
L	340.72'
E	307.72'
SE	0.67%

Aligned to 200'  
Sta. 485+00.00  
to Sta. 485+25.00  
Sta. 515+00.00  
to Sta. 517+00.00

STATION 500+00.00  
BUILT BY  
STATE OF ILLINOIS  
F.A. RTE. 26 SEC. 3B-1  
LOADING HS 20

WATERWAY INFORMATION

Channel	1768' Under N.W. Corner
Present Opening	1768' Under N.W. Corner
Required Opening	1768' Under N.W. Corner
Proposed Opening	1768' Under N.W. Corner
Proposed Opening	1768' Under N.W. Corner

Q (100) = 13159 cfs

DESIGN STRESSES

Deck Slab	1400 psi
Curb Parapet & Sub	1400 psi
Concrete	2700 psi
Reinforcing Steel	60,000 psi
Allowance for 25% Future M.C.	75 psi

LOADING HS 20-44  
Allowance for 25% Future M.C.  
Design Specifications  
MSHTO 1923 & Interims (as applicable)

GENERAL PLAN & ELEVATION  
PROJECT NO. 2013-11-02-1  
F.A. RTE. 26 OVER SALT CREEK  
F.A. RTE. 26 SECTION 3B-1  
EFFINGHAM CO.  
STA. 505+28.75

FILE NAME	USER NAME	DESIGNED	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING STRUCTURE PLAN SN 025-0083	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	staffennk	7/5/12	1			DT BRIDGE PAINTING 2013-	FAYETTE & EFFINGHAM	10	5	
		DATE	REVISIONS		SCALE: NA				CONTRACT NO. 74579	
					SHEET 1 OF 7 SHEETS	STA.			ILLINOIS FED. AID PROJECT	