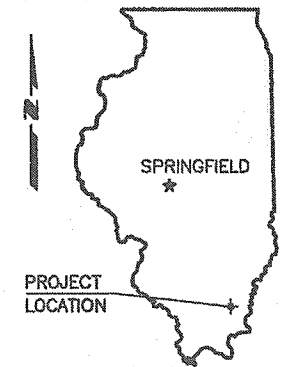




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM
OFF SYSTEM BRIDGE
TOWNSHIP ROUTE 330 (GARNER ROAD)
RECTOR TOWNSHIP

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 330	13-11118-00-BR	SALINE	13	1
PROJECT NO. EC64(860)			CONTRACT NO. 99576	



SECTION 13-11118-00-BR
PROJECT NO. EC64(860)
JOB NO. C-99-514-14
BRUSH CREEK

SALINE COUNTY

SUMMARY OF QUANTITIES

CODE NO.	PAY ITEM	UNIT	TOTAL
* X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.8
20200100	EARTH EXCAVATION	CU YD	918
* 20300100	CHANNEL EXCAVATION	CU YD	178
* 20400100	BORROW EXCAVATION	CU YD	1,391
* 28100807	STONE DUMPED RIPRAP, CLASS A4	TON	370
* 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	881
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	53
50200100	STRUCTURE EXCAVATION	CU YD	24
50300225	CONCRETE STRUCTURES	CU YD	16.8
50300280	CONCRETE ENCASEMENT	CU YD	2.7
50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT	1,224
50800105	REINFORCEMENT BARS	POUND	2,282
Δ 50900205	STEEL RAILING, TYPE S1	FOOT	104
51201400	FURNISHING STEEL PILES HP10X42	FOOT	333
51202305	DRIVING PILES	FOOT	333
51203400	TEST PILE STEEL HP10X42	EACH	1
51500100	NAME PLATES	EACH	1
542C0220	PIPE CULVERTS, CLASS C, TYPE 1 15'	FOOT	34
542C0229	PIPE CULVERTS, CLASS C, TYPE 1 24'	FOOT	32
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	8.7
67100100	MOBILIZATION	L SUM	1
Δ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4

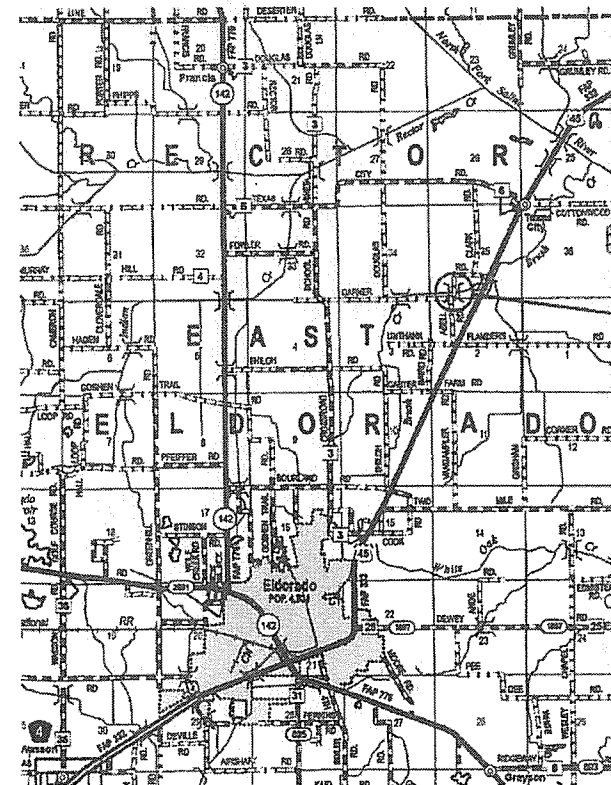
* SEE SPECIAL PROVISIONS

Δ **SPECIALTY ITEMS**

INDEX OF SHEETS

1. COVER SHEET
 2. PLAN & PROFILE
 3. GENERAL PLAN & ELEVATION
 4. 21" X 36" PPC DECK BEAM
 5. 21" X 36" PPC DECK BEAM DETAILS
 6. 21" X 48" PPC DECK BEAM
 7. 21" X 48" PPC DECK BEAM DETAILS
 8. ABUTMENT
 9. STEEL RAILING, TYPE S-1
 10. NAME PLATE
 11. PILE DETAILS
 - 12.-13. CROSS SECTIONS
- STANDARDS 000001-06 STD SYMBOLS, ABBREVIATIONS & PATTERNS
280001-07 TEMPORARY EROSION CONTROL SYSTEMS
701901-07 TRAFFIC CONTROL DEVICES
725001-01 OBJECT AND TERMINAL MARKERS
BLR 21-9 TYP APPLICATION OF TRAF CONTR DEVICES

CLASSIFICATION : LOCAL ROAD (RURAL)
ADT : 25
DESIGN SPEED : 30 MPH



LOCATION MAP

SCALE: 1" = 2 MILES

NET LENGTH OF IMPROVEMENT = 800.00 FT. = 0.1515 MILES

CONTRACT NO. 99576

Round Table Design, Inc.

ARCHITECTURE - ENGINEERING - LAND SURVEYING
1457 HIGHWAY 145 S HARRISBURG, IL (618) 253-6017



Kevin Phillips 11/1/2017

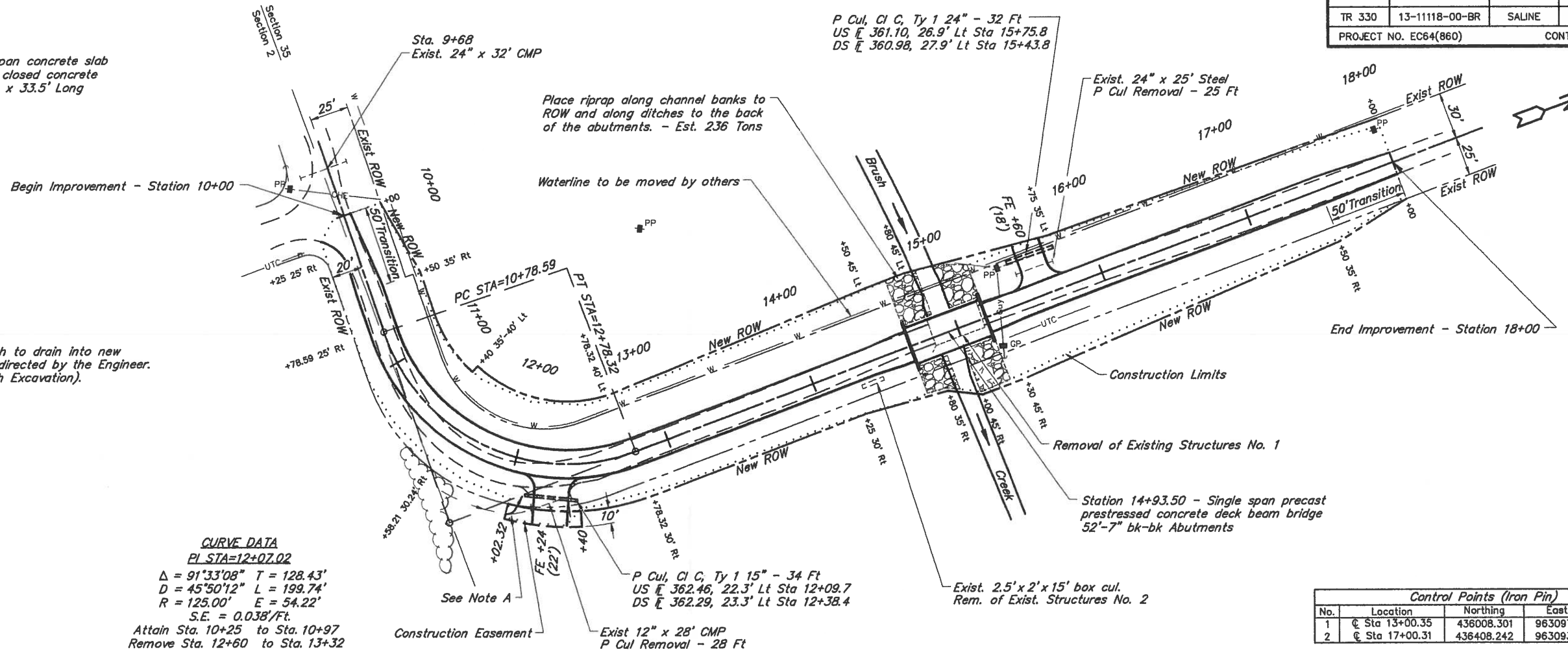
Kevin Phillips
PROFESSIONAL ENGINEER
#062-047293
EXPIRES NOV. 30, 2019

ILLINOIS DEPARTMENT OF TRANSPORTATION	
Approved	01-18-18 <i>Mike Murray</i> Rector Township Road Commissioner
Approved	01-18-18 <i>[Signature]</i> Saline County Engineer
Passed	APRIL 10, 2018 <i>[Signature]</i> District 9 Engineer of Local Roads and Streets
Releasing for Bid Based on Limited Review	APRIL 10, 2018 <i>[Signature]</i> Jeffrey L. Keim, P.E. Region Five Engineer

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 330	13-11118-00-BR	SALINE	13	2
PROJECT NO. EC64(860)			CONTRACT NO. 99576	

B.M. - Dbl. Nails in PP
27' Lt. Sta. 15+37
Elev. 464.00

Existing Structure - Single span concrete slab with steel stringers on closed concrete abutments. 17.3' Wide x 33.5' Long



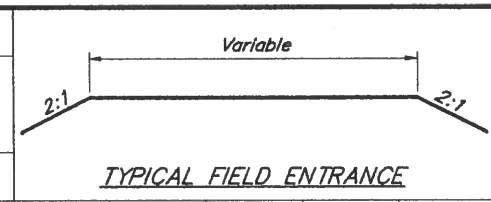
NOTE A
Grade existing ditch to drain into new roadside ditch as directed by the Engineer. (Incidental to Earth Excavation).

CURVE DATA
PL STA=12+07.02

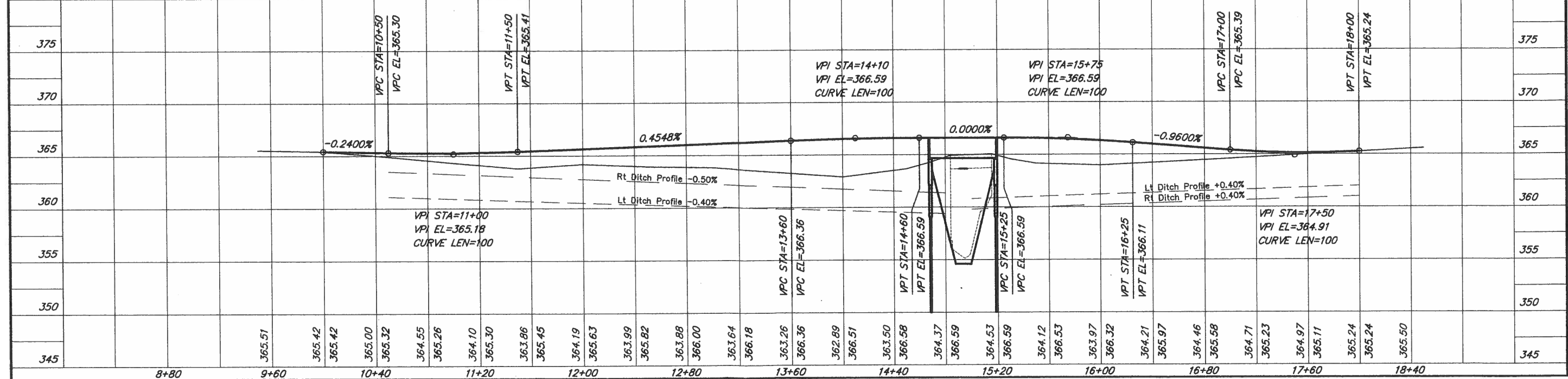
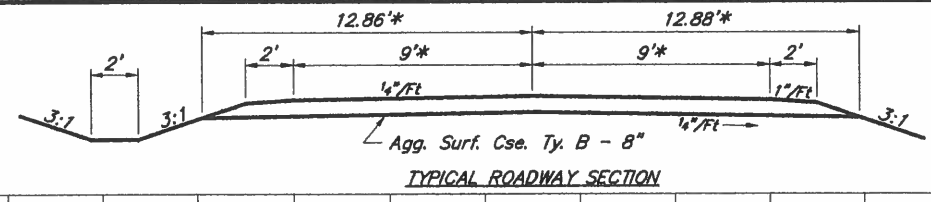
$\Delta = 91^{\circ}33'08''$ $T = 128.43'$
 $D = 45^{\circ}50'12''$ $L = 199.74'$
 $R = 125.00'$ $E = 54.22'$
 $S.E. = 0.038'/ft.$
Attain Sta. 10+25 to Sta. 10+97
Remove Sta. 12+60 to Sta. 13+32

SCALES:
1" = 80' HOR
1" = 10' VER

No.	Location	Northing	Easting	Elevation
1	☉ Sta 13+00.35	436008.301	963097.149	363.842
2	☉ Sta 17+00.31	436408.242	963093.614	364.589

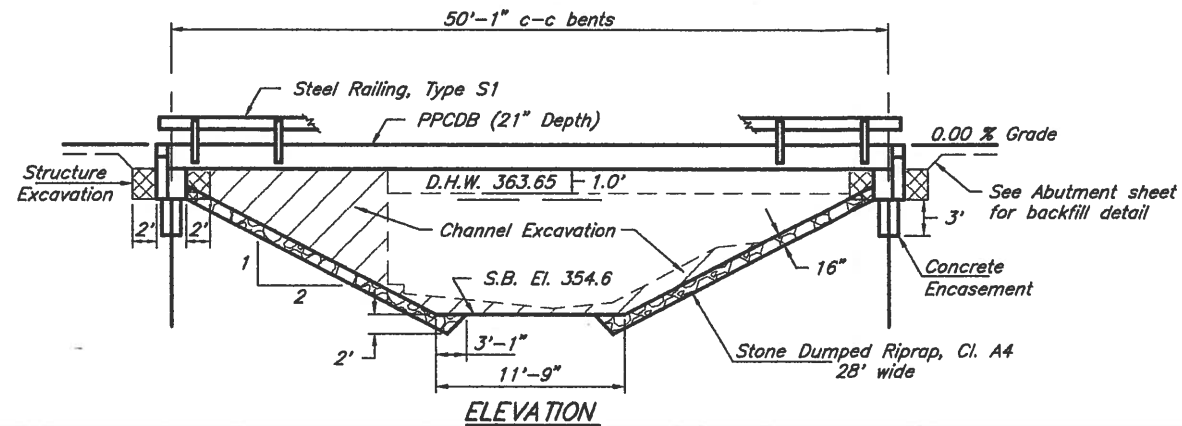


* 10' lane width (13.86' subgrade width) from Station 14+60 to Station 15+24.
Transition width between Stations 14+40 and 14+60 and between Stations 15+24 and 15+44.



B.M. - Dbl. Nails in PP
27' Lt. Sta. 15+37
Elev. 464.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 330	13-11118-00-BR	SALINE	13	3
PROJECT NO. EC64(860)			CONTRACT NO. 99576	



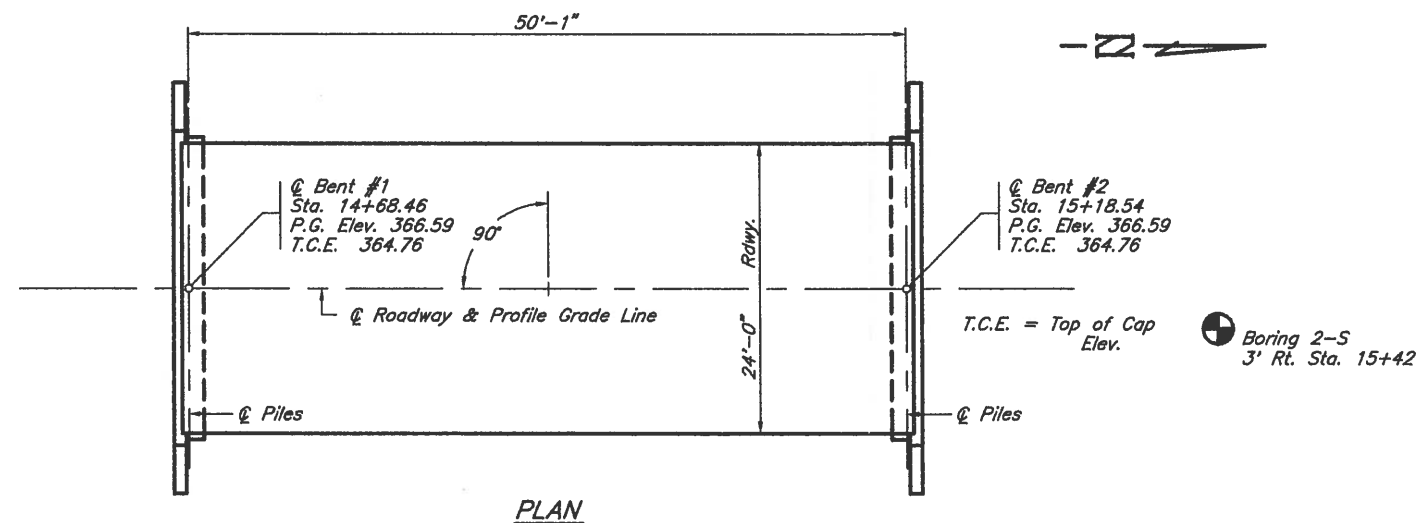
GENERAL NOTES

- Steel H piles shall meet AASHTO M270 Grade 50 specifications.
- Test Piles shall be driven to 110% of the Nominal Required Bearing indicated in the pile data.
- The Contractor shall drive one test pile, as specified, in a permanent location as directed by the Engineer before ordering the remaining piles.
- See special provisions for boring logs.
- A Corrosion inhibitor, as covered in the Standard Specifications, shall be used in the precast prestressed concrete deck beams.

Existing Structure - Single span concrete slab with steel stringers on closed concrete abutments. 17.3' Wide x 33.5' Long

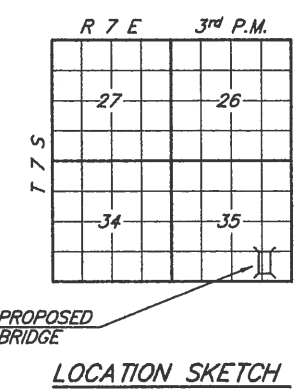
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.		Total
			Piers	Abuts.	
Channel Excavation	Cu. Yds.			178	178
Stone Dumped Riprap, Cl. A4	Tons			134	134
Removal of Exist. Structures No.1	Each	1			1
Structure Excavation	Cu. Yds.			24	24
Concrete Structures	Cu. Yds.			16.8	16.8
Concrete Encasement	Cu. Yds.			2.7	2.7
P.P. Conc. Dk. Bm. 21" Dp.	Sq. Ft.	1,224			1,224
Reinforcement Bars	Pound			2,282	2,282
Steel Railing, Type S1	Foot	104			104
Furnishing Steel Piles HP10x42	Foot			333	333
Driving Piles	Foot			333	333
Test Pile Steel HP10x42	Each			1	1
Name Plates	Each			1	1

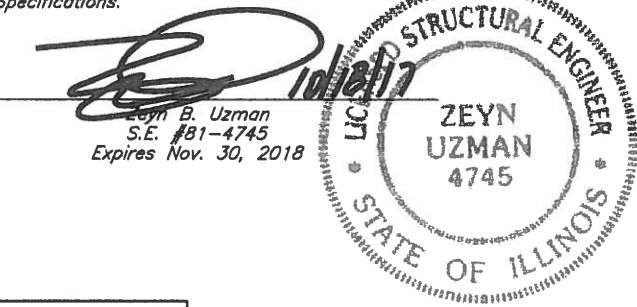


BRUSH CREEK
SEC. 13-11118-00-BR BUILT 20____
RECTOR TOWNSHIP
SALINE COUNTY
LOADING HL-93
STR. NO. 083-3250

LETTERING FOR NAME PLATE
Locate Name Plate at southeast Corner of Bridge (See Sheet 10)



I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the type of structure and complies with the requirements of the current AASHTO LRFDF Specifications.



PILE DATA (2-ABUTS.)
Type & Size : HP10x42
Nominal Required Bearing : 335 kips
Factored Resistance Available : Refusal
Estimated Length : 45' Bent #1, 51' Bent #2
Number Required : 8 (Includes 1 Test Pile located in Bent #2)

DESIGN SPECIFICATIONS
2014 AASHTO LRFDF Bridge Design Specifications and all applicable interims.

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface

SEISMIC DATA
Soil Site Class = C
Design Spectral Acceleration at 0.2 sec. (S_{ps}) = 0.662
Design Spectral Acceleration at 1.0 sec. (S_{p1}) = 0.241
Seismic Performance Zone (SPZ) = 2

WATERWAY INFORMATION

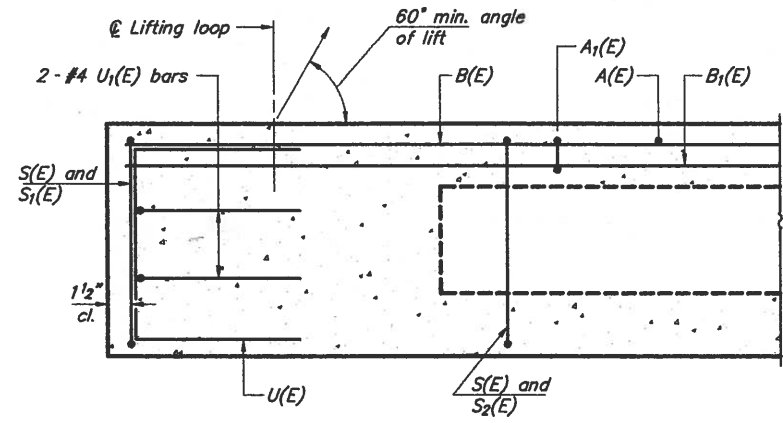
Drainage Area = 3.300 Sq. Mi. Low Grade Elev. = 365.11 At Sta. 17+59.26

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural H.W.E.	Head-Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	20	1380	181.9	270.4	363.65	0.23	0.42	364.08	364.07
Base	100	2100	182.9	292.3	364.11	0.39	0.84	364.50	364.95
Overtopping	±114	2160		294.2	364.15		0.85		365.00
Max. Calc.	500	2900	182.9	310.3	364.49	0.32	1.40	364.81	365.89

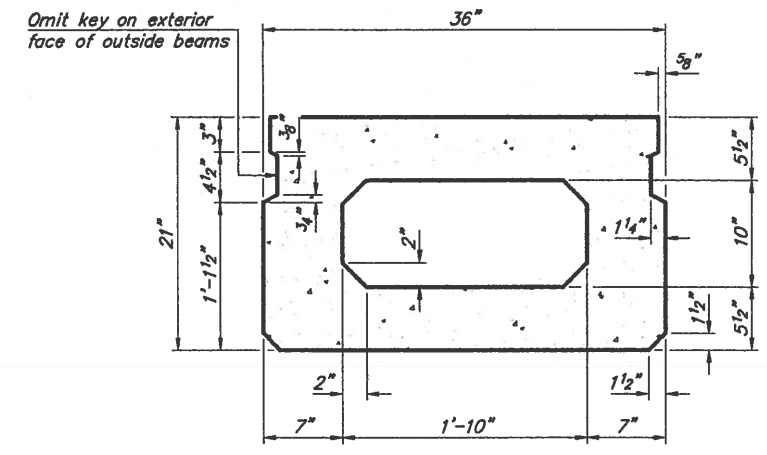
Over Road Flow (Sq Ft): Exist. 216.6 Prop. 489.4
Q₍₂₀₎ 216.6 Q₍₁₀₀₎ 489.4 Q₍₅₀₀₎ 734.7
Prop. 566.7

GENERAL PLAN & ELEVATION
TOWNSHIP ROUTE 330 (GARNER ROAD)
BRUSH CREEK
SECTION 13-11118-00-BR
SALINE COUNTY
STRUCTURE NO. 083-3250

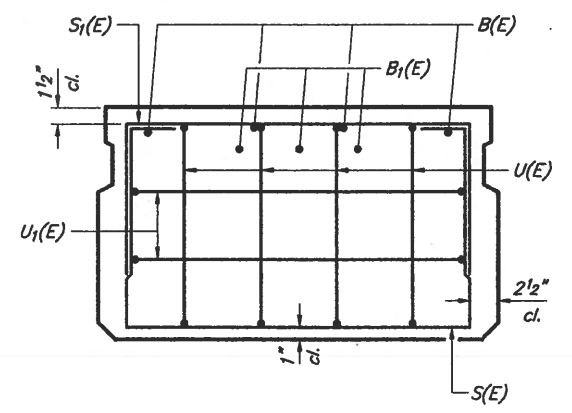
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 330	13-11118-00-BR	SALINE	13	4
PROJECT NO. EC64(860)			CONTRACT NO. 99576	



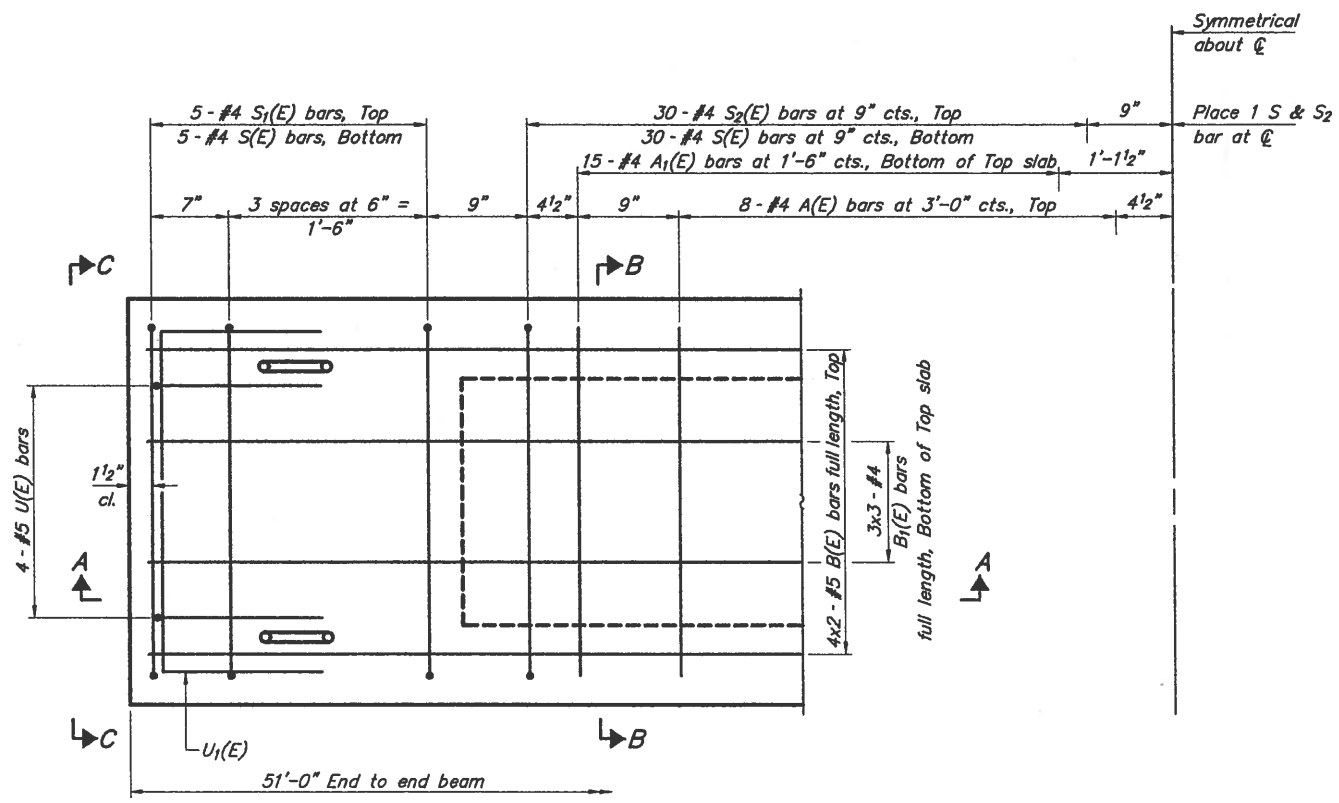
SECTION A-A



SECTION B-B
(Showing dimensions)

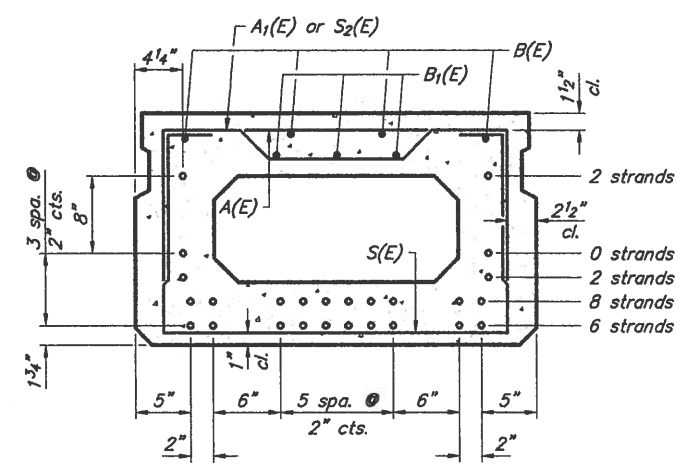


VIEW C-C



PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.



SECTION B-B

(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

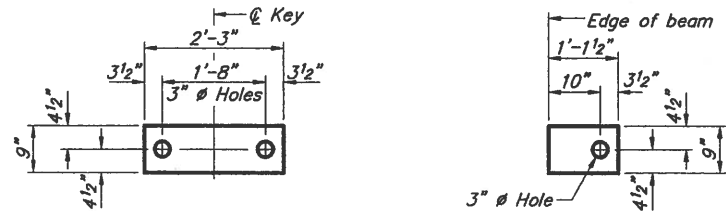
Bar	No.	Size	Length	Shape
A(E)	16	#4	2'-7"	—
A1(E)	30	#4	2'-10"	—
B(E)	8	#5	26'-8"	—
B1(E)	9	#4	18'-3"	—
S(E)	71	#4	6'-5"	□
S1(E)	10	#4	4'-11"	□
S2(E)	61	#4	5'-2"	□
U(E)	8	#5	4'-0"	□
U1(E)	4	#4	5'-0"	□

Notes:
See sheet 5 of 13 for additional details and Bill of Materials.
Bars noted thus 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
#4 bar = 1'-11"
#5 bar = 2'-6"

21" X 36" PPC DECK BEAM
TOWNSHIP ROUTE 330 (GARNER ROAD)
BRUSH CREEK
SECTION 13-11118-00-BR
SALINE COUNTY
STRUCTURE NO. 083-3250

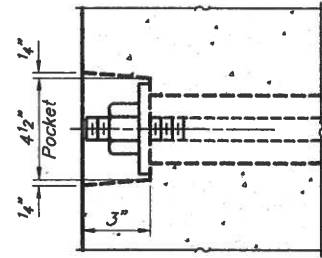
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 330	13-11118-00-BR	SALINE	13	5
PROJECT NO. EC64(860)			CONTRACT NO. 99576	



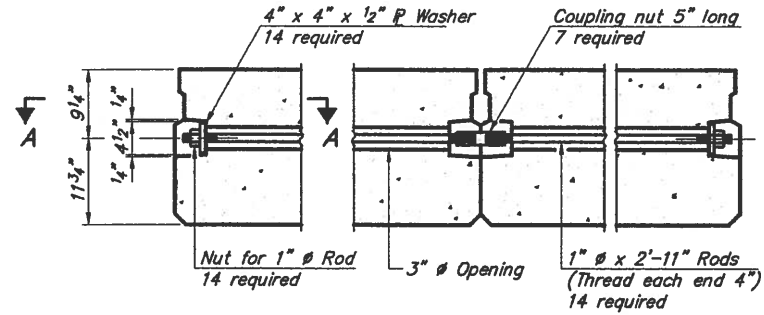
FABRIC BEARING PAD
(Interior) **FABRIC BEARING PAD**
(Exterior)

FIXED

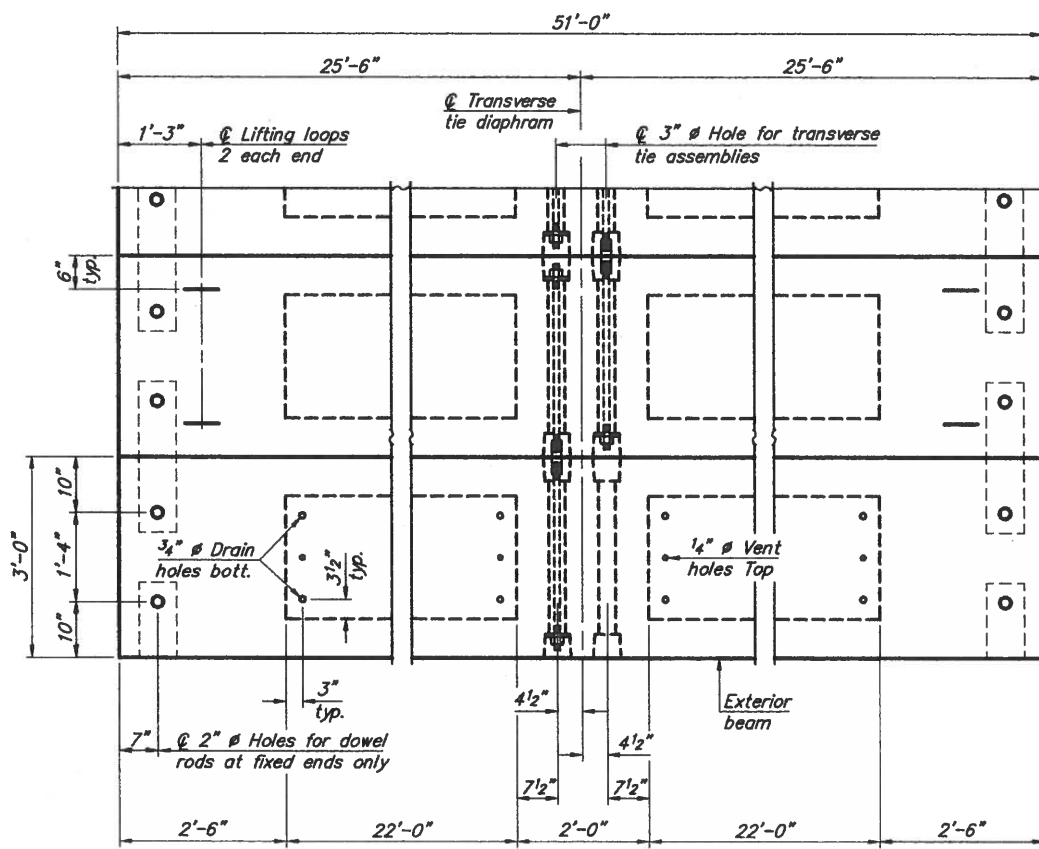
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pads shall be bonded to the substructure.



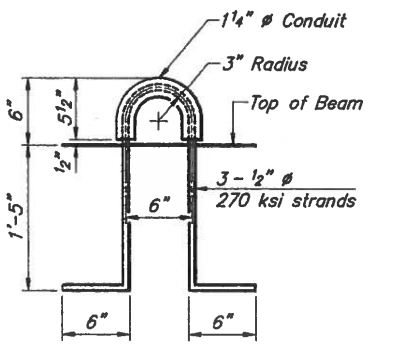
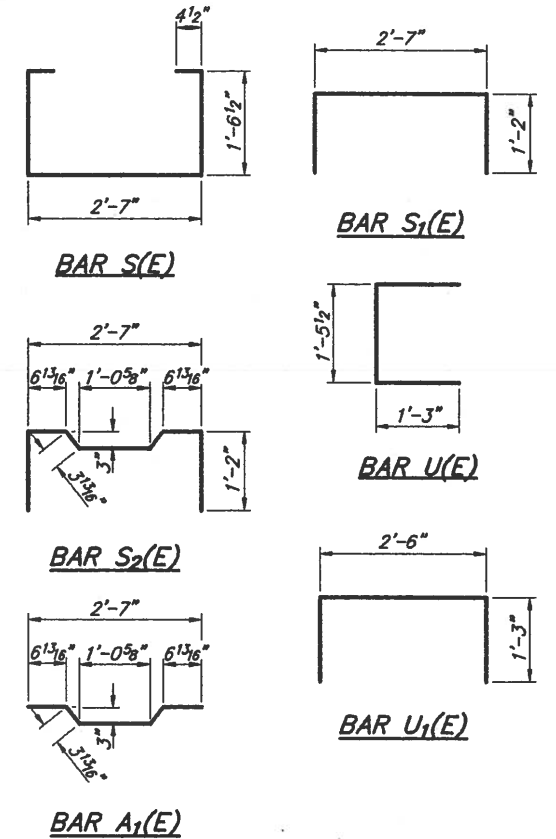
SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

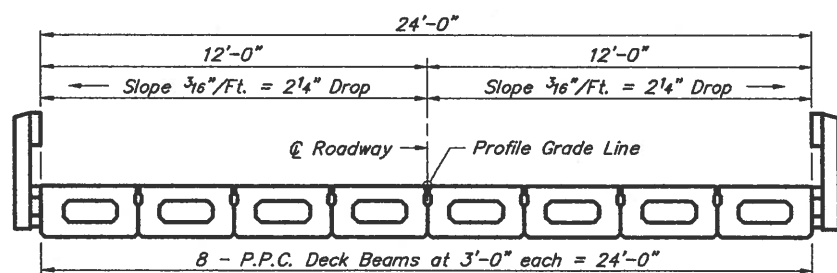


PLAN VIEW



LIFTING LOOP DETAIL

Note: Connect beams in pairs with the transverse tie configuration shown.



CROSS SECTION

NOTES

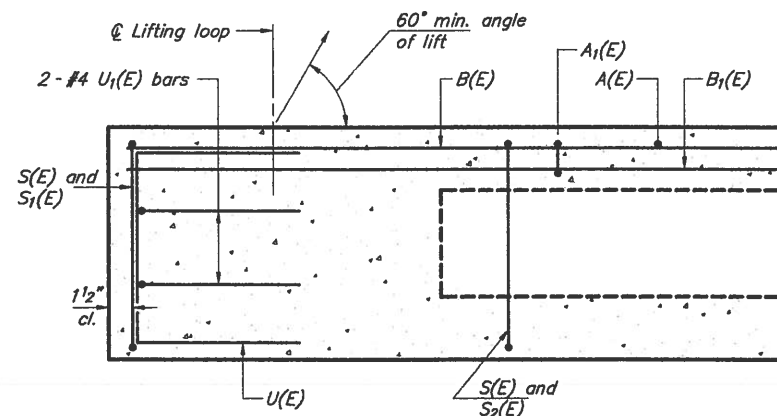
Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" lifting pin shall be used to engage the lifting loops during handling. Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f_c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'_{ci}, shall be 5000 psi.

BILL OF MATERIAL

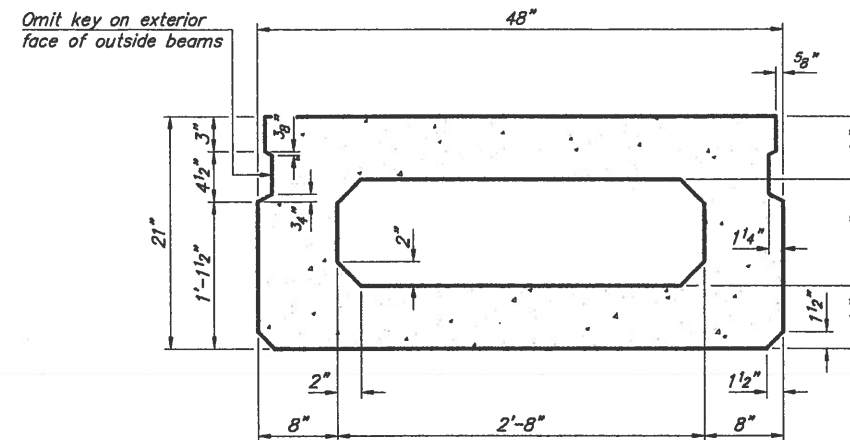
Precast Prestressed Concrete Deck Beams (21" depth)	Sq. Ft.	1,224
---	---------	-------

21" X 36" PPC DECK BEAM DETAILS
TOWNSHIP ROUTE 330 (GARNER ROAD)
BRUSH CREEK
SECTION 13-11118-00-BR
SALINE COUNTY
STRUCTURE NO. 083-3250

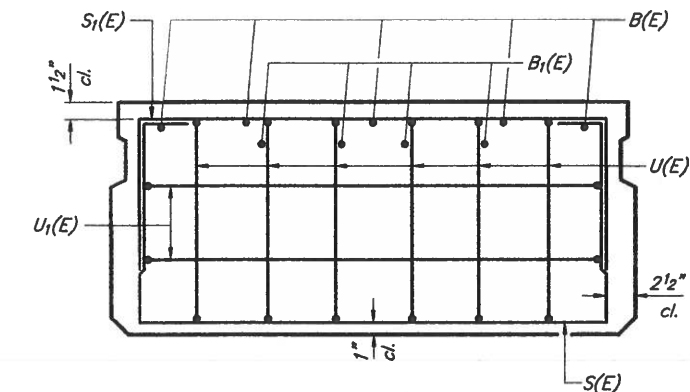
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 330	13-11118-00-BR	SALINE	13	6
PROJECT NO. EC64(860)			CONTRACT NO. 99576	



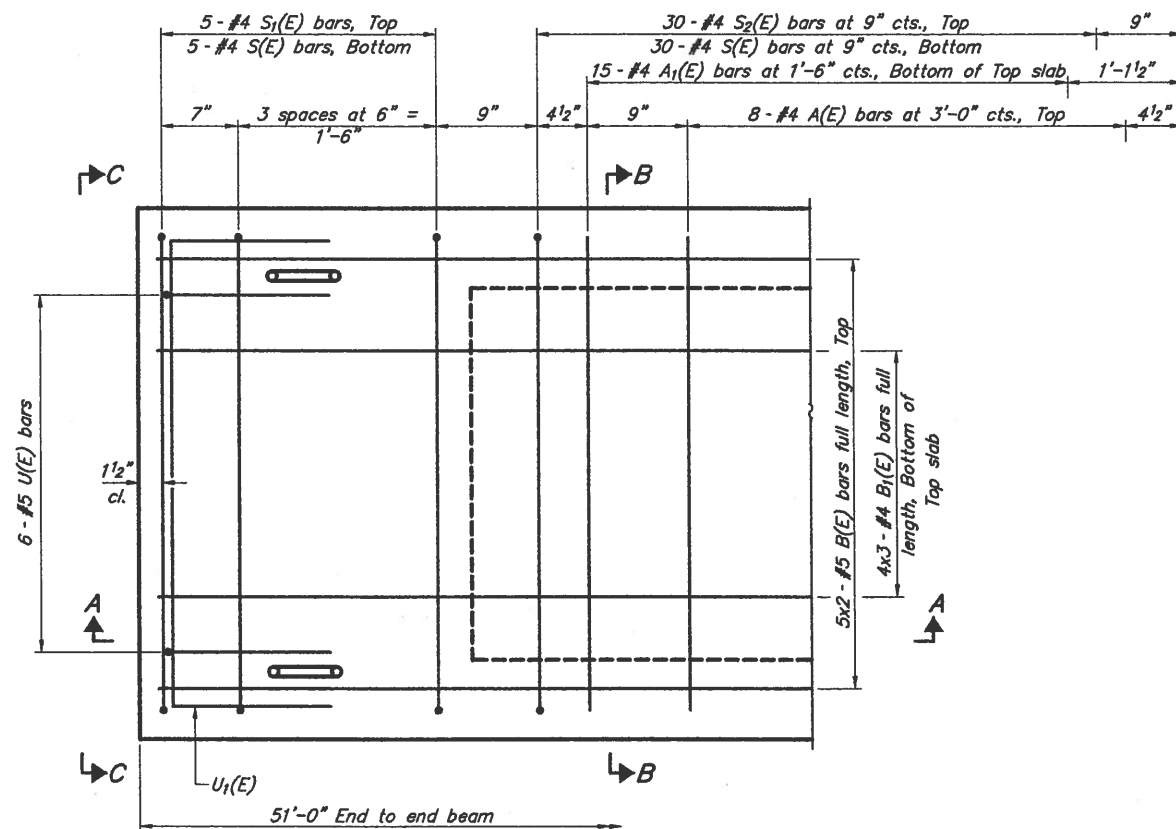
SECTION A-A



SECTION B-B
(Showing dimensions)



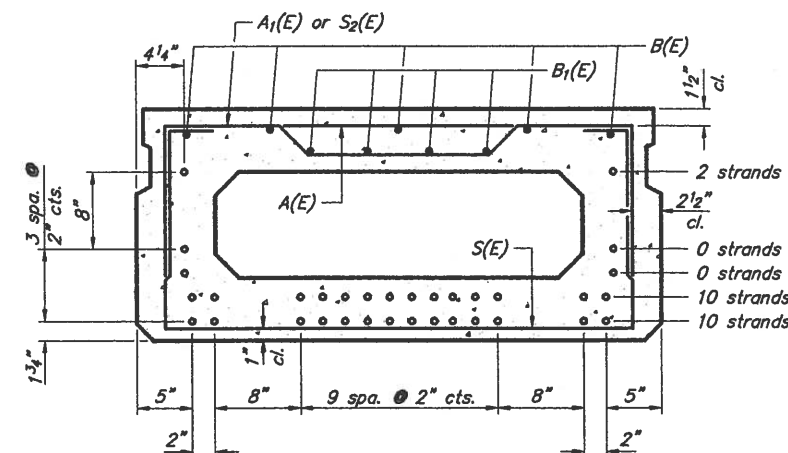
VIEW C-C



PLAN VIEW

Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

Symmetrical about \mathcal{Q}
Place 1 S & S2 bar at \mathcal{Q}



SECTION B-B
(Showing reinforcement and permissible strand locations)

Note: Place the number of strands specified in each row symmetrically about the centerline of beam in the permissible strand locations shown.

BAR LIST
ONE BEAM ONLY
(For information only)

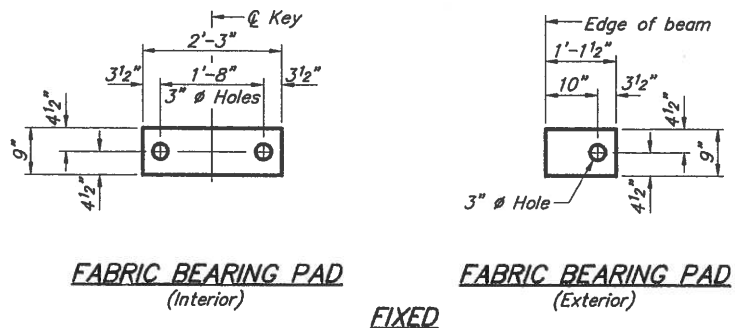
Bar	No.	Size	Length	Shape
A(E)	16	#4	3'-7"	—
A1(E)	30	#4	3'-10"	—
B(E)	10	#5	26'-8"	—
B1(E)	12	#4	18'-3"	—
S(E)	71	#4	7'-5"	□
S1(E)	10	#4	5'-11"	□
S2(E)	61	#4	6'-2"	□
U(E)	12	#5	4'-0"	□
U1(E)	4	#4	6'-0"	□

Notes:
See sheet 7 of 13 for additional details and Bill of Materials.
Bars noted thus 4x2-#5 etc. indicates 4 lines of bars with 2 lengths per line.

MINIMUM BAR LAP
#4 bar = 1'-11"
#5 bar = 2'-6"

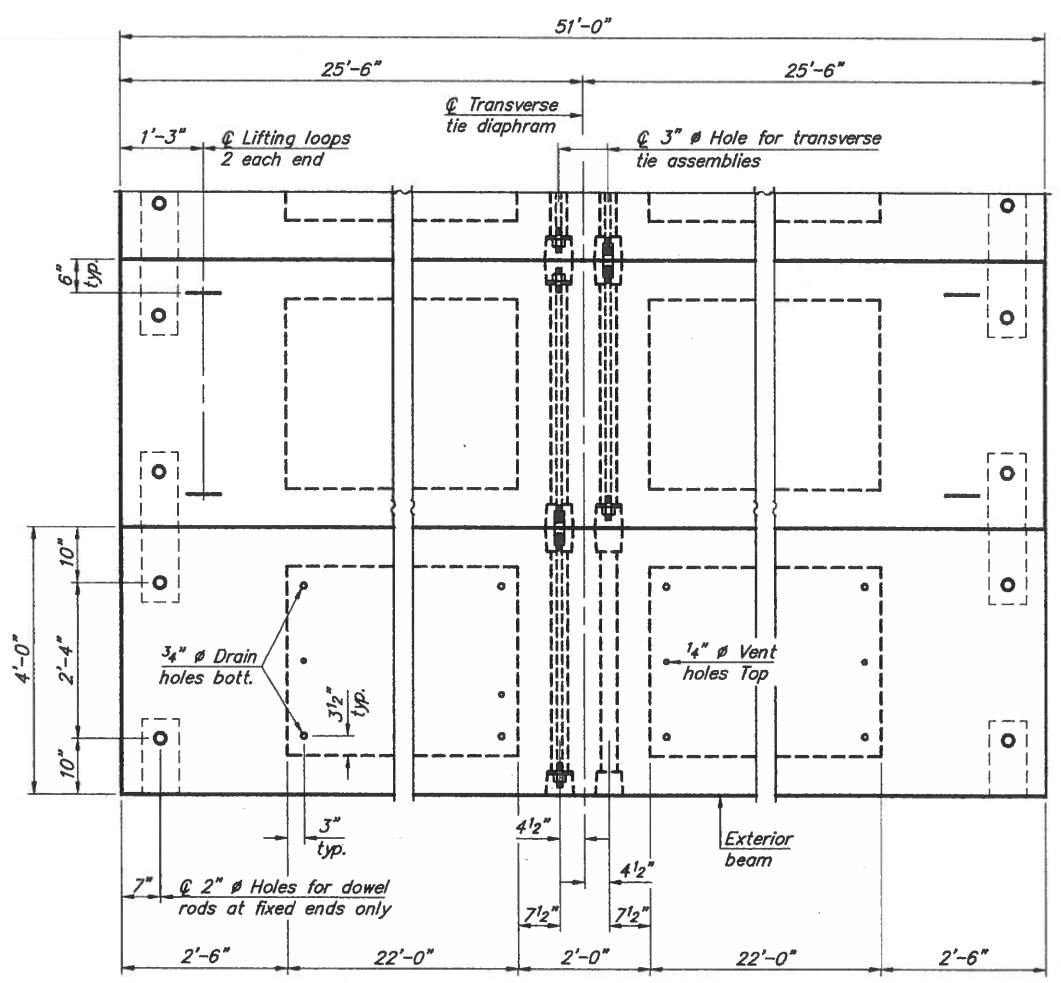
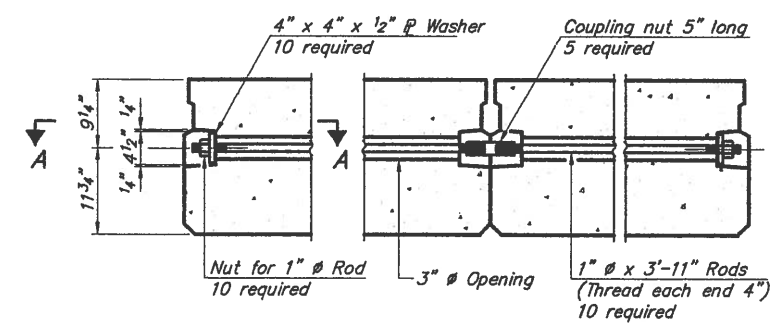
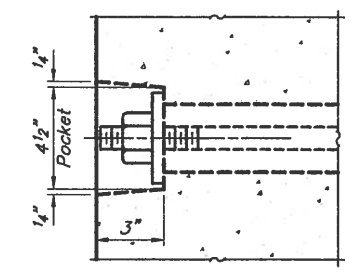
21" X 48" PPC DECK BEAM
TOWNSHIP ROUTE 330 (GARNER ROAD)
BRUSH CREEK
SECTION 13-11118-00-BR
SALINE COUNTY
STRUCTURE NO. 083-3250

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 330	13-11118-00-BR	SALINE	13	7
PROJECT NO. EC64(860)			CONTRACT NO. 99576	



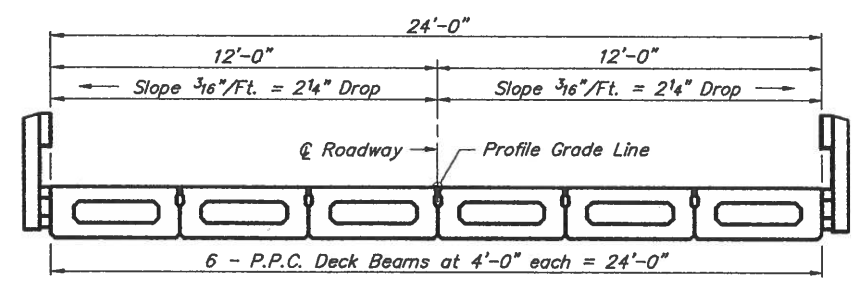
FIXED

Notes:
 All bearing pads shall be 1" thick.
 Omit holes when using expansion bearings.
 Expansion bearing pads shall be bonded to the substructure.



PLAN VIEW

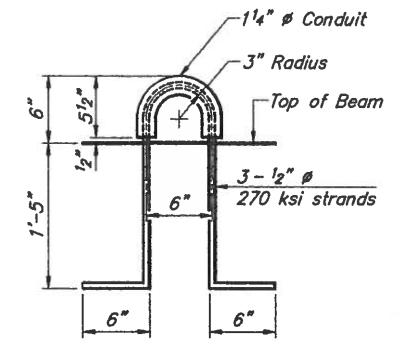
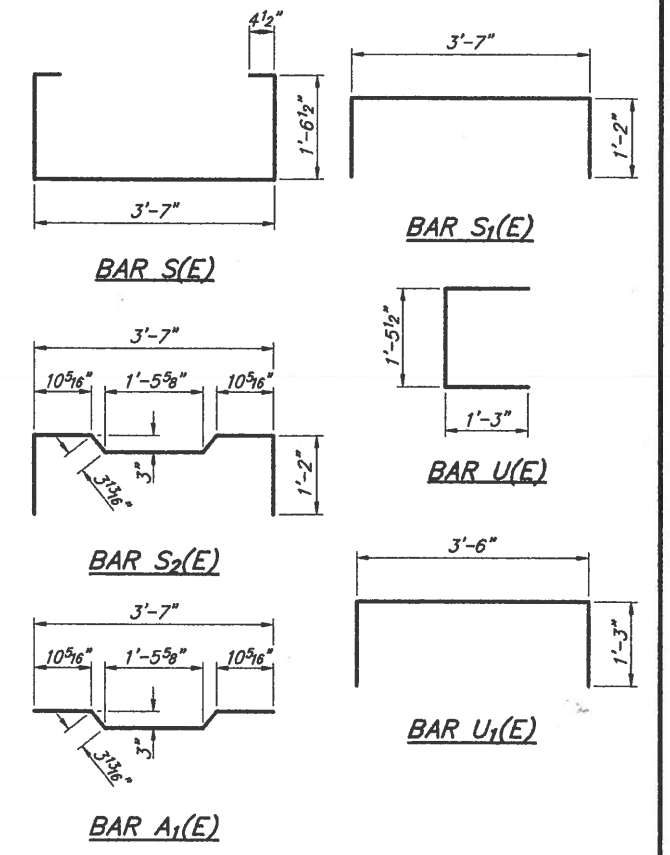
Note: Connect beams in pairs with the transverse tie configuration shown.



CROSS SECTION

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place. Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location. A minimum 2 1/2" lifting pin shall be used to engage the lifting loops during handling. Corrosion inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f_c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'_{ci}, shall be 5000 psi.



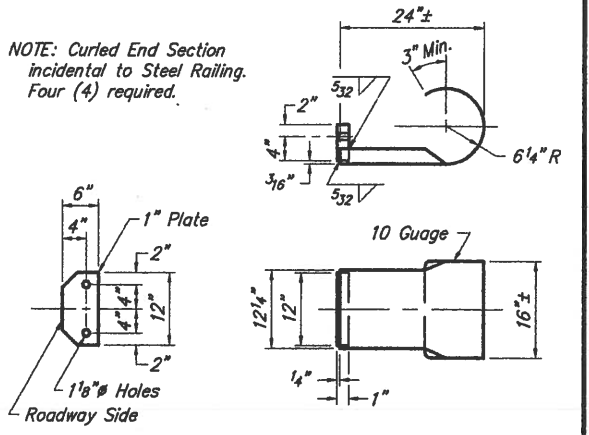
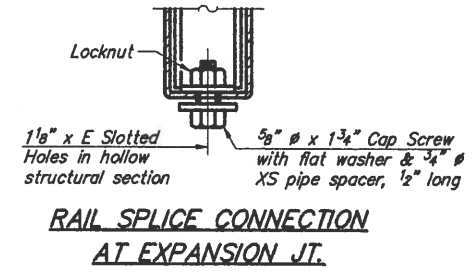
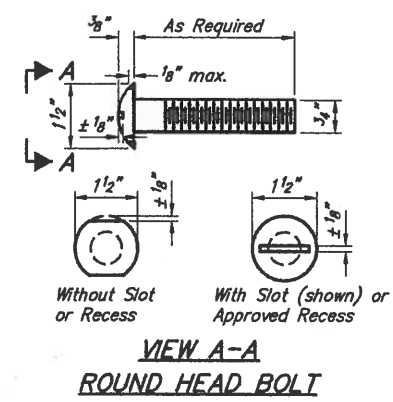
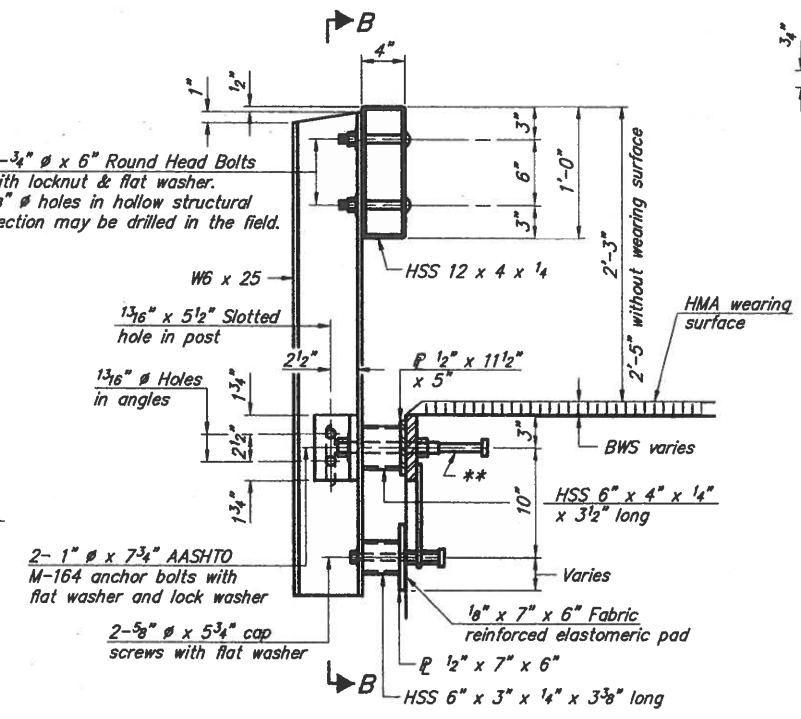
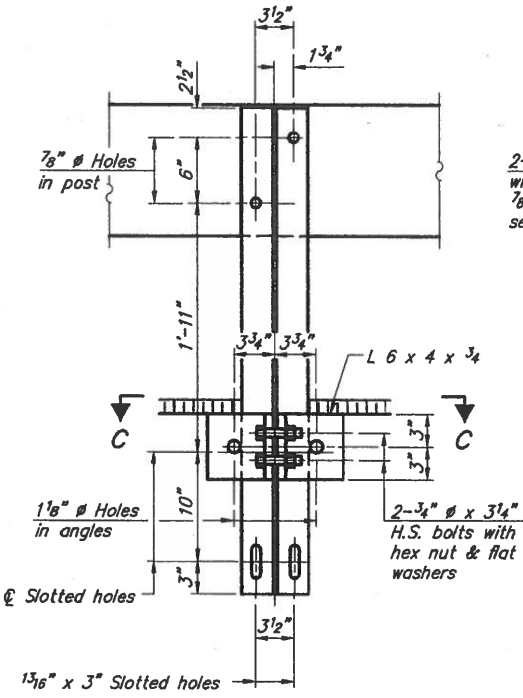
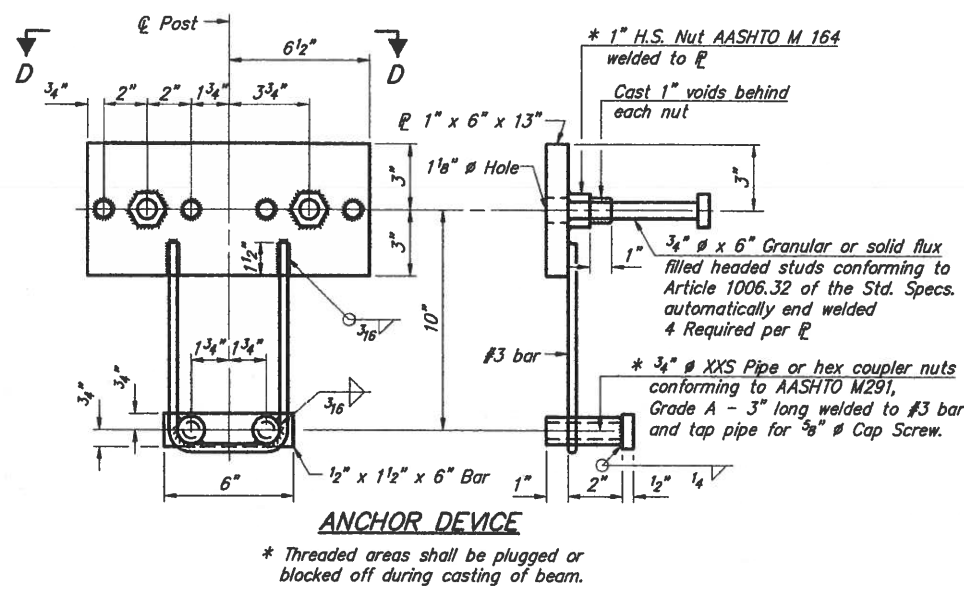
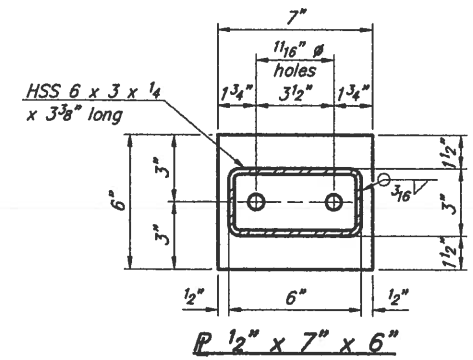
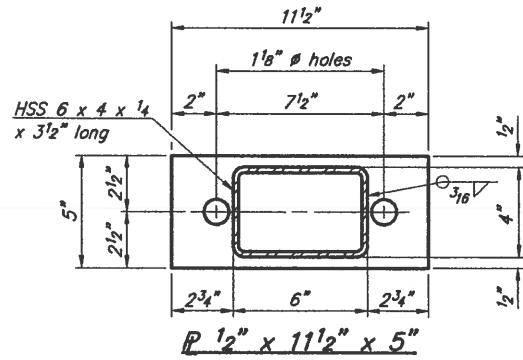
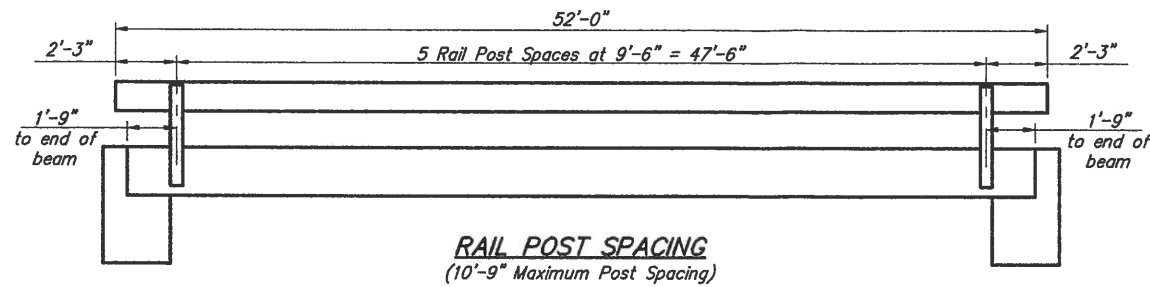
LIFTING LOOP DETAIL

BILL OF MATERIAL

Precast Prestressed Concrete Deck Beams (21" depth)	Sq. Ft.	1,224
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21" X 48" PPC DECK BEAM DETAILS
 TOWNSHIP ROUTE 330 (GARNER ROAD)
 BRUSH CREEK
 SECTION 13-11118-00-BR
 SALINE COUNTY
 STRUCTURE NO. 083-3250

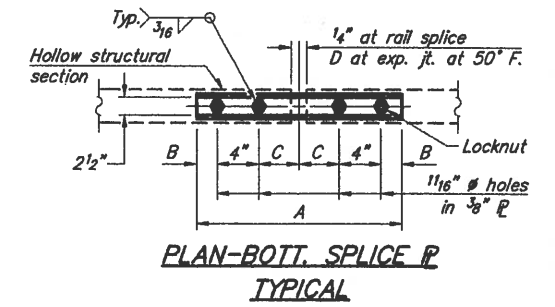
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 330	13-11118-00-BR	SALINE	13	9
PROJECT NO. EC64(860)			CONTRACT NO. 99576	



SPLICE DIMENSIONS

T	D	A	B	C	E
Up to 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
>4" to 6 1/2"	3 3/4"	2'-0"	2 1/2"	5 1/2"	3 1/2"
>6 1/2" to 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
>9" to 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/4"	1'-8"	2"	4"	

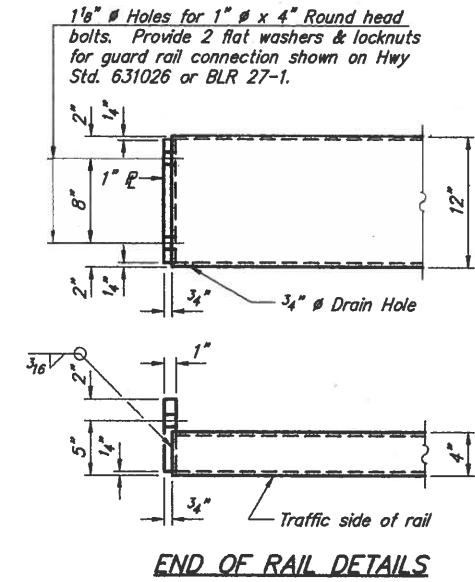
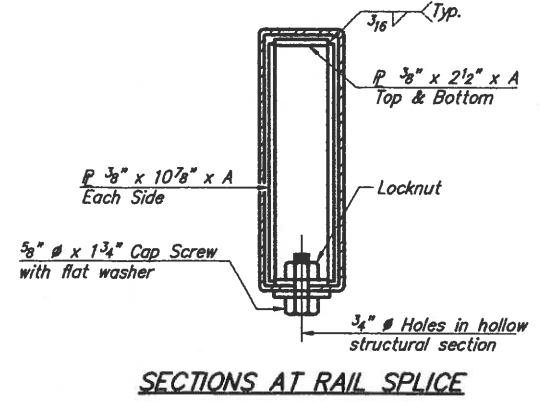
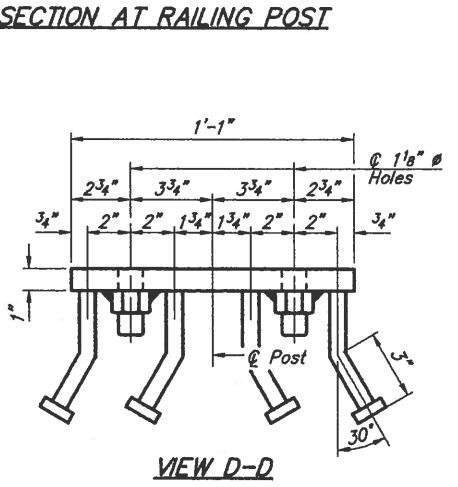
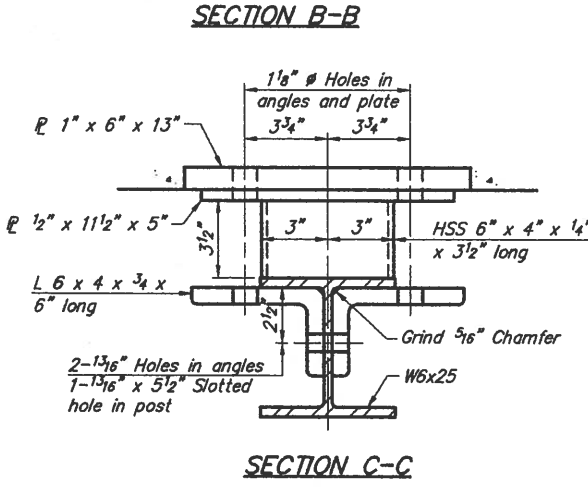
T = Total movement at expansion joint as shown on the design plans.



Notes:
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1. All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.

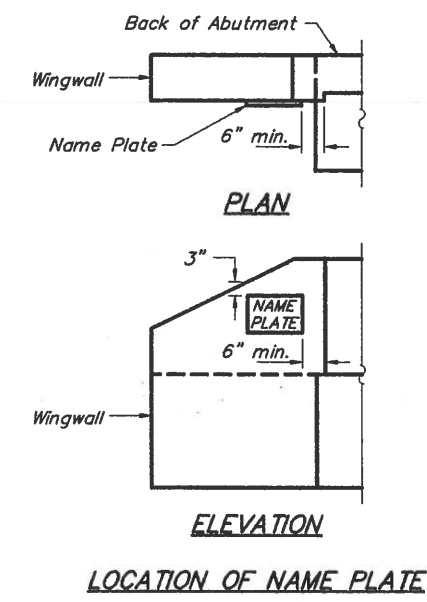
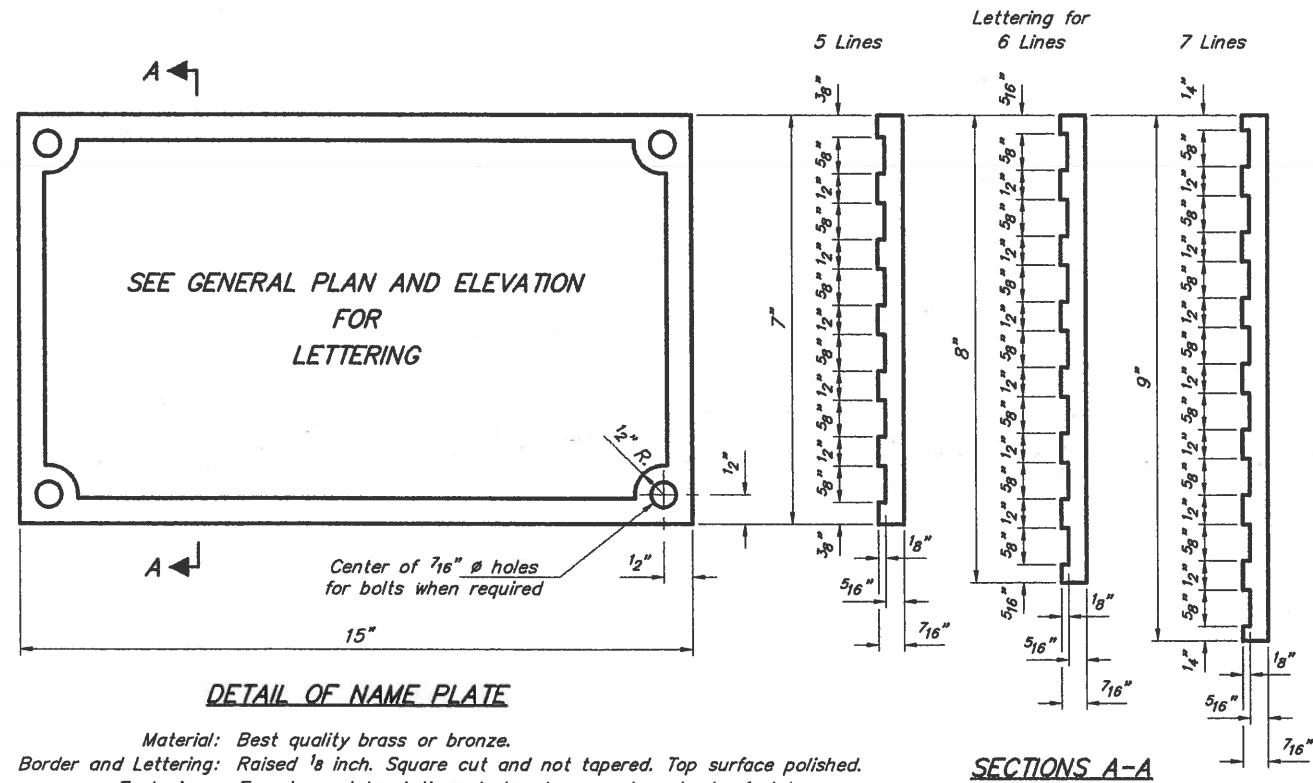
BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	104



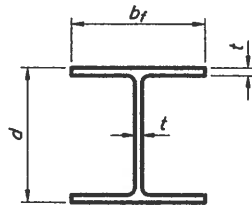
**STEEL RAILING, TYPE S-1
TOWNSHIP ROUTE 330 (GARNER ROAD)
BRUSH CREEK
SECTION 13-11118-00-BR
SALINE COUNTY
STRUCTURE NO. 083-3250**

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 330	13-11118-00-BR	SALINE	13	10
PROJECT NO. EC64(860)			CONTRACT NO. 99576	



NAME PLATE
 TOWNSHIP ROUTE 330 (GARNER ROAD)
 BRUSH CREEK
 SECTION 13-11118-00-BR
 SALINE COUNTY
 STRUCTURE NO. 083-3250

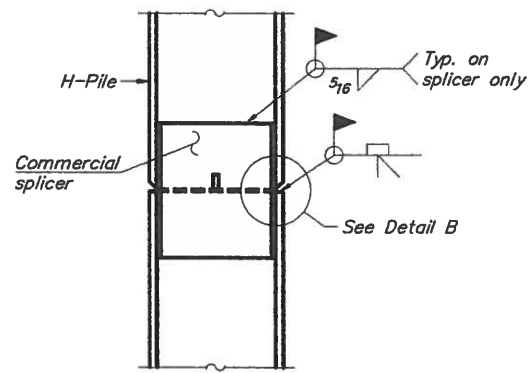
ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TR 330	13-11118-00-BR	SALINE	13	11
PROJECT NO. EC64(860)			CONTRACT NO. 99576	



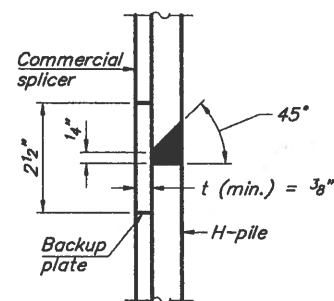
STEEL PILE TABLE

Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A	Encasement Quantity/Ft. C.Y.
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"	0.173
x102	14"	14 3/4"	1 1/16"	30"	0.174
x89	13 7/8"	14 3/4"	5/8"	30"	0.175
x73	13 5/8"	14 5/8"	1/2"	30"	0.176
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"	0.110
x74	12 1/8"	12 1/4"	5/8"	24"	0.111
x63	12"	12 1/8"	1/2"	24"	0.112
x53	11 3/4"	12"	7/16"	24"	0.112
HP 10x57	10"	10 1/4"	9/16"	24"	0.112
x42	9 3/4"	10 1/8"	7/16"	24"	0.113
HP 8x36	8"	8 1/8"	7/16"	18"	0.063

Note: The steel H-piles shall be according to AASHTO M270 Grade 50.

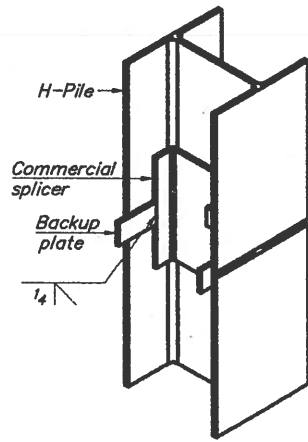


ELEVATION

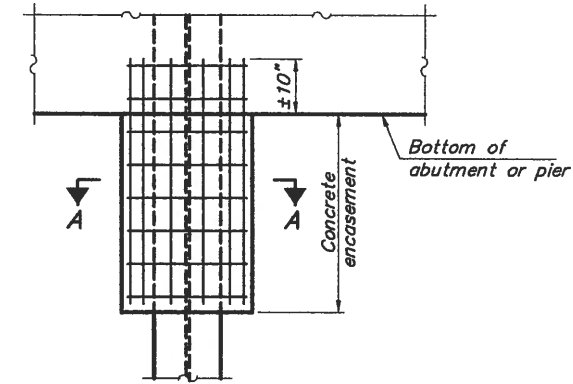


DETAIL "B"

WELDED COMMERCIAL SPLICE

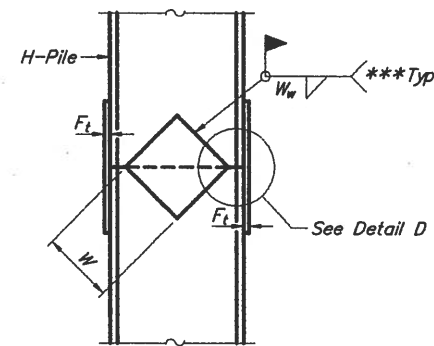


ISOMETRIC VIEW

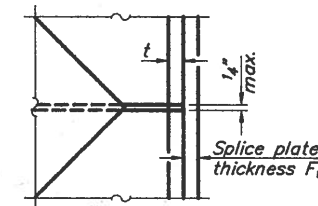


ELEVATION

PILE ENCASEMENT

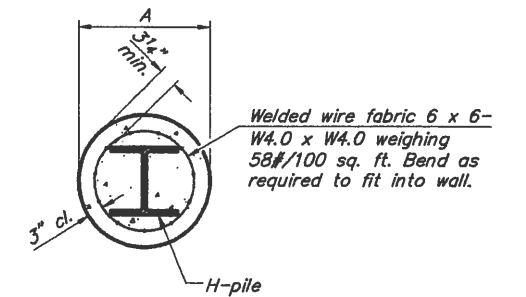


ELEVATION

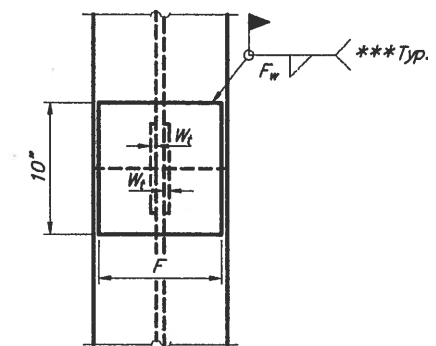


DETAIL D

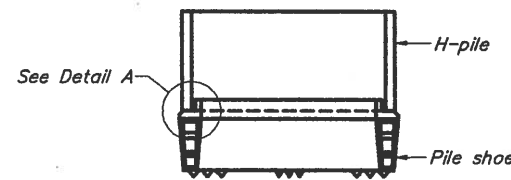
WELDED PLATE FIELD SPLICE



SECTION A-A

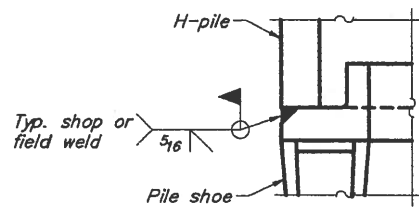


END VIEW

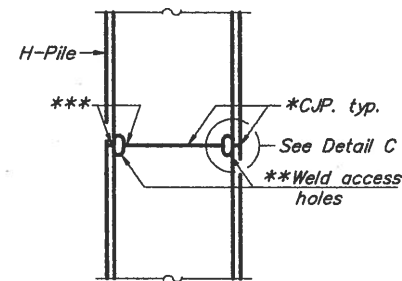


ELEVATION

H-PILE SHOE ATTACHMENT

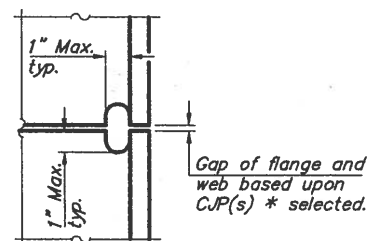


DETAIL A



ELEVATION

COMPLETE PENETRATION WELD SPLICE



DETAIL C

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

* Use joint conforming to Fig. 3.4 in AWS D1.1. Structure Welding Code - Steel.

** Preparation per Fig. 5.2 in AWS D1.1. Structure Welding Code - Steel.

*** Interrupt welds 1/4" from end of each pile.

PILING DETAILS
TOWNSHIP ROUTE 330 (GARNER ROAD)
BRUSH CREEK
SECTION 13-11118-00-BR
SALINE COUNTY
STRUCTURE NO. 083-3250

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
TR 330	13-11118-00-BR	SALINE	13	12
PROJECT NO. EC64(860)			CONTRACT NO. 99576	

