

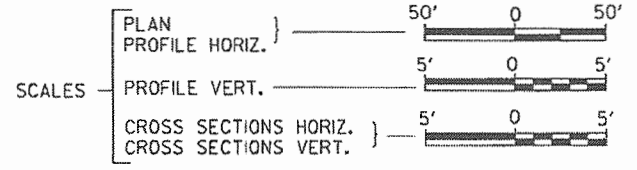
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	15-00103-05-BR	MERCER	21	1
FED. ROAD DIST. NO. 7	ILLINOIS	CONTRACT NO. 89734		

01/19/2018 LETTING ITEM 083

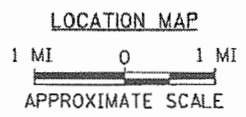
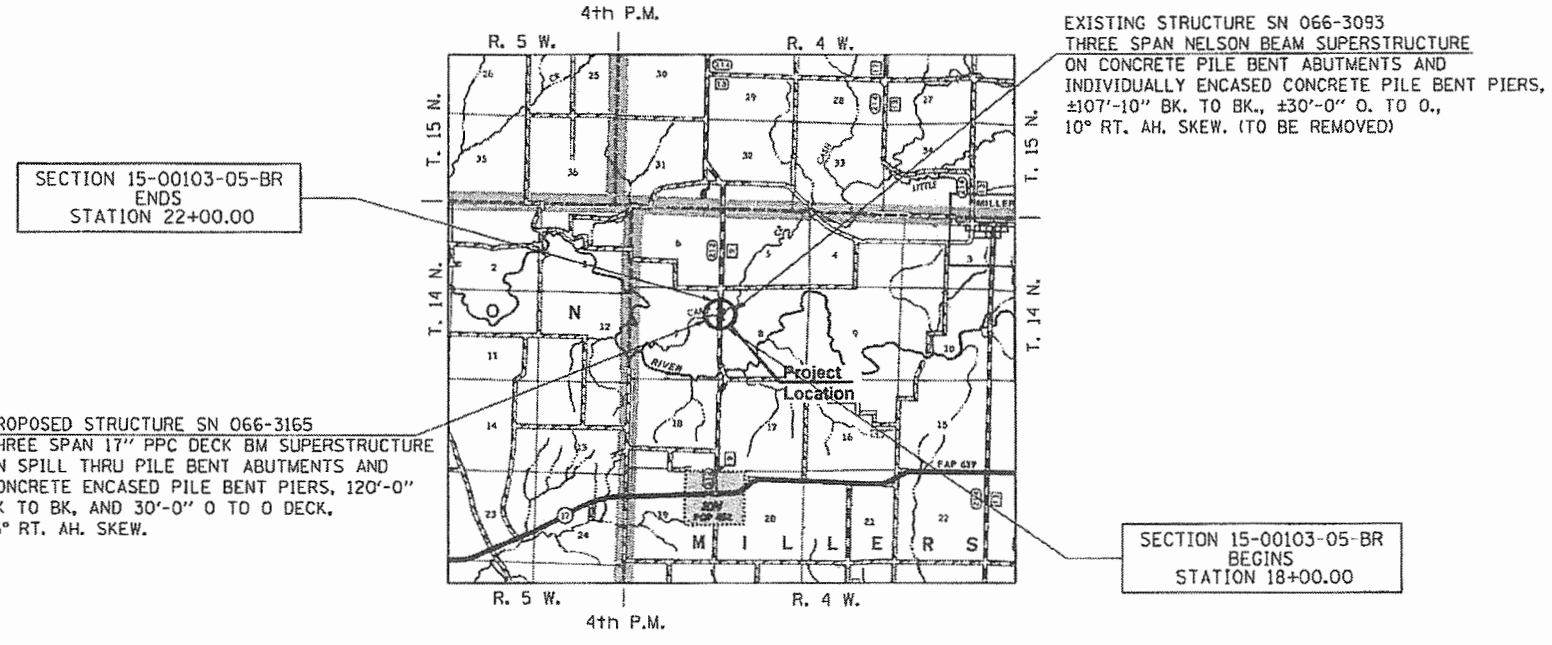
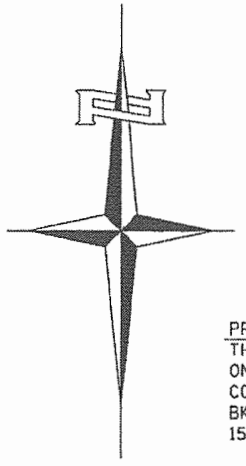
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM-BRIDGE
MERCER COUNTY
SECTION 15-00103-05-BR
F.A.S. 212 (CH 9) OVER CAMP CREEK
PROJECT NO. AEZ5(403)
JOB NUMBER C-94-049-15

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES, TYPICAL SECTIONS
3.	SUMMARY OF QUANTITIES, SCHEDULES OF QUANTITIES
4.	TRAFFIC CONTROL PLAN
5.	EROSION CONTROL PLAN
6.	PLAN AND PROFILE
7.-16.	STRUCTURE PLANS
17.-21.	CROSS SECTIONS



- REQUIRED HIGHWAY STANDARDS**
- 000001-06
 - 280001-07
 - 515001-03
 - 630301-08
 - 631032-09
 - 701901-07
 - 725001-01
 - BLR 21-9



NET LENGTH OF PROJECT = 400.00 FEET = 0.076 MILES

DESIGN CLASSIFICATION: MAJOR COLLECTOR (NON-URBAN)
 DESIGN ADT = 385 (17)
 DESIGN SPEED = 40 MPH

UTILITY COMPANIES

FRONTIER COMMUNICATIONS
 SYCAMORE, ILLINOIS

MIDAMERICA ENERGY
 ROCK ISLAND, ILLINOIS

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

CONTRACT NO. 89734 CATALOG NO. 034788-03

Hutchison Engineering, Inc.
 JACKSONVILLE-SHOREWOOD
 PEORIA-QUAD CITIES

SIGNATURE
 ENGINEER'S SEAL

APPROVED SEPTEMBER 20 2017

 MERCER COUNTY ENGINEER

PASSED 09-22 2017

 DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS

Released For Bid Based on Limited Review September 26 2017

 REGION THREE ENGINEER
 STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

4052E001

GENERAL NOTES

THE REMOVAL OF EXISTING OIL & CHIP SURFACE AND GRAVEL OR CRUSHED STONE BASE COURSE WHICH MAY BE NECESSARY FOR THE CONSTRUCTION OF THE PROJECT SHALL BE REMOVED AS EARTH EXCAVATION AND NO COMPENSATION WILL BE ALLOWED FOR ADDITIONAL LABOR OR EQUIPMENT REQUIRED.

ALL WASTE OR UNDESIRABLE MATERIAL AS IDENTIFIED BY THE ENGINEER SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY AT THE CONTRACTOR'S EXPENSE.

ALL EXISTING PRIVATELY OWNED UTILITIES REQUIRING ADJUSTMENT WILL BE MADE BY THE UTILITY COMPANY INVOLVED. WHERE NO PROVISIONS HAVE BEEN MADE FOR ADJUSTMENTS ON THE PLANS, NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCES CAUSED BY THE SAID UTILITY ADJUSTMENTS.

THE PROFILE GRADE ELEVATIONS SHOWN ON THE PLAN AND PROFILE SHEETS AND IN THE STATION CROSS SECTIONS ARE TO THE TOP OF THE FINISHED SURFACE.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

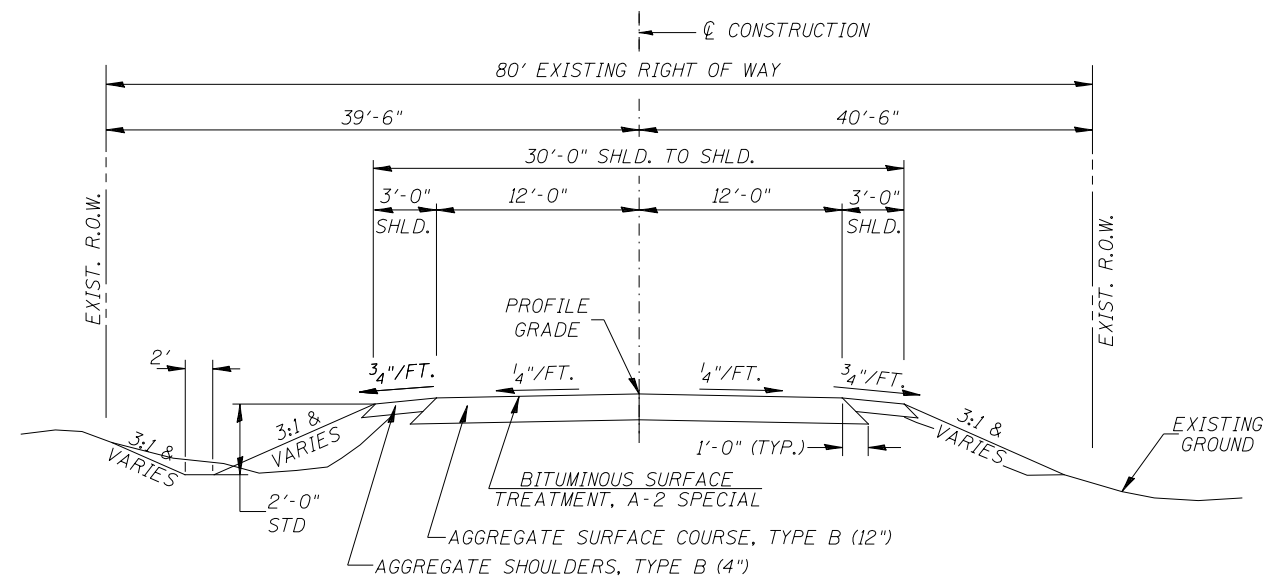
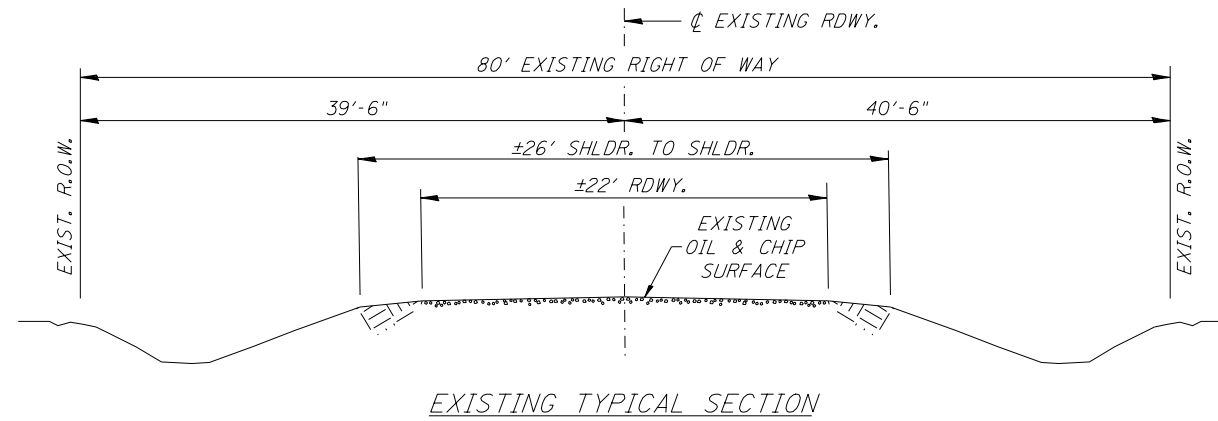
THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE COUNTY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE COUNTY, ITS OFFICERS AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM HIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLES 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND TRENCHING OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE PROPERTY MARKERS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT, HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE FINAL SURFACE OF ALL DISTURBED/EMBANKMENT AREAS SHALL BE SEEDED. THE TOP 4 INCHES OF THE SEEDED AREAS SHALL BE COHESIVE VEGETATION SUSTAINING SOIL SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF SHAPING THE SLOPES AND PROVIDING VEGETATION SUSTAINING SOIL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION. TOPSOIL MAY BE STRIPPED AND STOCKPILED FROM THE SITE OR HAULED IN FROM AN ALTERNATE LOCATION AS APPROVED BY THE ENGINEER.

ALL ELEVATIONS SHOWN REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.



CONSTRUCT GUARDRAIL
SHOULDER WIDENING IN
ACCORDANCE WITH STD 630301

PROPOSED TYPICAL SECTION

STA. 18+00.00 TO STA. 19+40.00
STA. 20+60.00 TO STA. 22+00.00

EXCEPT TRANSITIONS

BRIDGE OMISSION
STA. 19+40.00 TO STA. 20+60.00

FILE NAME =	USER NAME = JHutchison	DESIGNED -	REVISED -
V:\4052 - CH9 over Camp Crk (Mercer)\CADD\CADD Sheets\40521001.dgn		DRAWN -	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 9/26/2017	DATE -	REVISED -

**MERCER COUNTY
COUNTY HIGHWAY 9
OVER CAMP CREEK**

GENERAL NOTES, TYPICAL SECTIONS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 18+00.00 TO STA. 22+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	15-00103-05-BR	MERCER	21	2
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 89734	
FED. AID PROJECT AE25(403)				

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	220
20300100	CHANNEL EXCAVATION	CU YD	575
① 20400800	FURNISHED EXCAVATION	CU YD	30
28000305	TEMPORARY DITCH CHECKS	FOOT	24
28000400	PERIMETER EROSION BARRIER	FOOT	555
28100209	STONE RIPRAP, CLASS A5	TON	1,235
28200200	FILTER FABRIC	SQ YD	1,105
① 40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	512
48101200	AGGREGATE SHOULDERS, TYPE B	TON	92
① 50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50200100	STRUCTURE EXCAVATION	CU YD	60
50200300	COFFERDAM EXCAVATION	CU YD	155
50201101	COFFERDAM (TYPE 1) (LOCATION-1) (PIER #1)	EACH	1
50201102	COFFERDAM (TYPE 1) (LOCATION-2) (PIER #2)	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	135.9
50300280	CONCRETE ENCASEMENT	CU YD	3.5
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	3,538
50800105	REINFORCEMENT BARS	POUND	10,950
Δ 50901050	STEEL RAILING, TYPE SM	FOOT	240
51201400	FURNISHING STEEL PILES HP10X42	FOOT	990
51202305	DRIVING PILES	FOOT	990
51203400	TEST PILE STEEL HP10X42	EACH	2
51500100	NAME PLATES	EACH	1
Δ 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4
Δ ① 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
Δ ① 63200310	GUARDRAIL REMOVAL	FOOT	295
67100100	MOBILIZATION	L SUM	1
Δ 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
① X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.4
① X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
① XX004450	BITUMINOUS SURFACE TREATMENT, A-2 SPECIAL	SQ YD	736
① Z0013798	CONSTRUCTION LAYOUT	L SUM	1

① SEE SPECIAL PROVISIONS

CONSTRUCTION CODE TYPE: 0010

Δ SPECIALTY ITEMS

TRAFFIC BARRIER TERMINAL, TYPE 6A

SIDE	STATION TO STATION	EACH
LEFT	18+98.48 - 19+35.98	1
RIGHT	19+06.52 - 19+44.02	1
LEFT	20+55.98 - 20+93.48	1
RIGHT	20+64.02 - 21+01.52	1
TOTAL		4

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

SIDE	STATION TO STATION	EACH
LEFT	18+48.48 - 18+98.48	1
RIGHT	18+56.52 - 19+06.52	1
LEFT	20+93.48 - 21+43.48	1
RIGHT	21+01.52 - 21+51.52	1
TOTAL		4

GUARDRAIL REMOVAL

STATION TO STATION	SIDE	FOOT
18+72 - 19+43	LEFT	71
18+73 - 19+49	RIGHT	76
20+52 - 21+26	LEFT	74
20+57 - 21+31	RIGHT	74
TOTAL		295

BITUMINOUS SURFACE TREATMENT, A-2 SPECIAL

STATION TO STATION	WIDTH	LENGTH	SQ YD
18+00.00 - 18+50.00	23.41' AVG.	50.00'	130
18+50.00 - 19+40.00	24.00'	90.00'	240
20+60.00 - 21+50.00	24.00'	90.00'	240
21+50.00 - 22+00.00	22.73' AVG.	50.00'	126
TOTAL			736

EARTHWORK SUMMARY

STATION TO STATION	EARTH EXCAVATION CU YD	CHANNEL EXCAVATION CU YD	STRUCTURE EXCAVATION CU YD	COFFERDAM EXCAVATION CU YD	FILL CU YD	WASTE (SHORTAGE) CU YD
RDWY 18+00.00 - 19+40.00	135				72	29
RDWY 20+60.00 - 22+00.00	87				121	(56)
CHANNEL		575				
STRUCTURE			60			
COFFERDAM				155		
TOTAL		222	575	60	155	193 (27)
USE		220	575	60	155	(30)

(@ 25% SHRINKAGE)

PERIMETER EROSION BARRIER

STATION TO STATION	SIDE	FOOT
18+00 - 19+35	LEFT	155
18+00 - 18+75	RIGHT	80
19+25 - 19+45	RIGHT	45
20+55 - 22+00	LEFT	175
20+65 - 21+50	RIGHT	100
TOTAL		555

AGGREGATE SURFACE COURSE, TYPE B

STATION TO STATION	THICKNESS	WIDTH	LENGTH	TON
18+00.00 - 18+50.00	1.00'	24.41' AVG.	50.00'	85
18+50.00 - 19+40.00	1.00'	25.00'	90.00'	158
ABUTMENT BACKFILL - SEE SPECIAL PROVISIONS				
20+60.00 - 21+50.00	1.00'	25.00'	90.00'	158
21+50.00 - 22+00.00	1.00'	23.73' AVG.	50.00'	83
TOTAL				512

TEMPORARY DITCH CHECKS

STATION	SIDE	FOOT
19+25	RIGHT	12
21+50	RIGHT	12
TOTAL		24

AGGREGATE SHOULDERS, TYPE B

STATION TO STATION	SIDE	WIDTH	LENGTH	TON
18+00.00 - 18+04.13	LEFT	2.53' AVG.	4.13'	1
18+00.00 - 18+15.77	RIGHT	3.59' AVG.	15.77'	1
18+04.13 - 18+38.48	LEFT	5.31' AVG.	34.35'	4
18+15.77 - 18+46.52	RIGHT	5.77' AVG.	30.75'	4
18+38.48 - 18+50.00	LEFT	8.04' AVG.	11.52'	2
18+46.52 - 18+50.00	RIGHT	8.03' AVG.	3.48'	1
18+50.00 - 18+73.48	LEFT	8.00'	23.48'	4
18+50.00 - 18+81.52	RIGHT	8.00'	31.52'	6
18+73.48 - 18+74.98	LEFT	7.88' AVG.	1.50'	1
18+81.52 - 18+83.02	RIGHT	7.88' AVG.	1.50'	1
18+74.98 - 19+12.81	LEFT	7.75'	37.83'	7
18+83.02 - 19+22.39	RIGHT	7.75'	39.37'	7
19+12.81 - 19+36.26	LEFT	5.84' AVG.	23.45'	3
19+22.39 - 19+43.76	RIGHT	5.93' AVG.	21.37'	3
20+56.24 - 20+77.62	LEFT	5.93' AVG.	21.38'	3
20+63.74 - 20+87.19	RIGHT	5.84' AVG.	23.45'	3
20+77.62 - 21+16.98	LEFT	7.75'	39.36'	7
20+87.19 - 21+25.02	RIGHT	7.75'	37.83'	7
21+16.98 - 21+18.48	LEFT	7.88' AVG.	1.50'	1
21+25.02 - 21+26.52	RIGHT	7.88' AVG.	1.50'	1
21+18.48 - 21+50.00	LEFT	8.00'	31.52'	6
21+26.52 - 21+50.00	RIGHT	8.00'	23.48'	4
21+50.00 - 21+53.48	LEFT	8.03' AVG.	3.48'	1
21+50.00 - 21+61.52	RIGHT	8.20' AVG.	11.52'	2
21+53.48 - 21+92.44	LEFT	5.15' AVG.	38.96'	5
21+61.52 - 21+97.30	RIGHT	6.02' AVG.	35.78'	5
21+92.44 - 22+00.00	LEFT	2.17' AVG.	7.56'	1
21+97.30 - 22+00.00	RIGHT	3.66' AVG.	2.70'	1
TOTAL				92



- 1

ROAD CLOSED
2 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3

ROAD CLOSED
2 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
- 2

ROAD CLOSED
1 1/2 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3

ROAD CLOSED
1 1/2 MILES AHEAD
LOCAL TRAFFIC ONLY
R11-3
- 3

ROAD CLOSED
3/4 MILE AHEAD
LOCAL TRAFFIC ONLY
R11-3

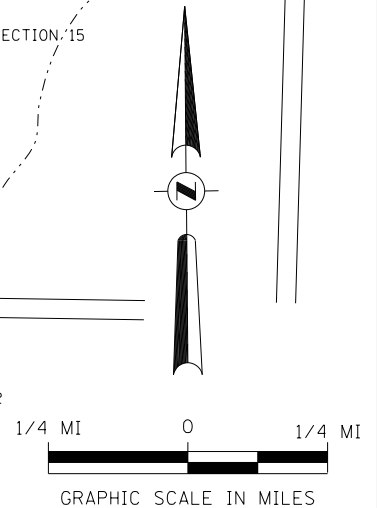
ROAD CLOSED
3/4 MILE AHEAD
LOCAL TRAFFIC ONLY
R11-3
- 4

ROAD CLOSED
AHEAD
W20-3
- 5

ROAD CLOSED
500 FT
W20-3
- 6

TYPE III BARRICADES

SEE STANDARD BLR 21
AND SPECIAL PROVISIONS

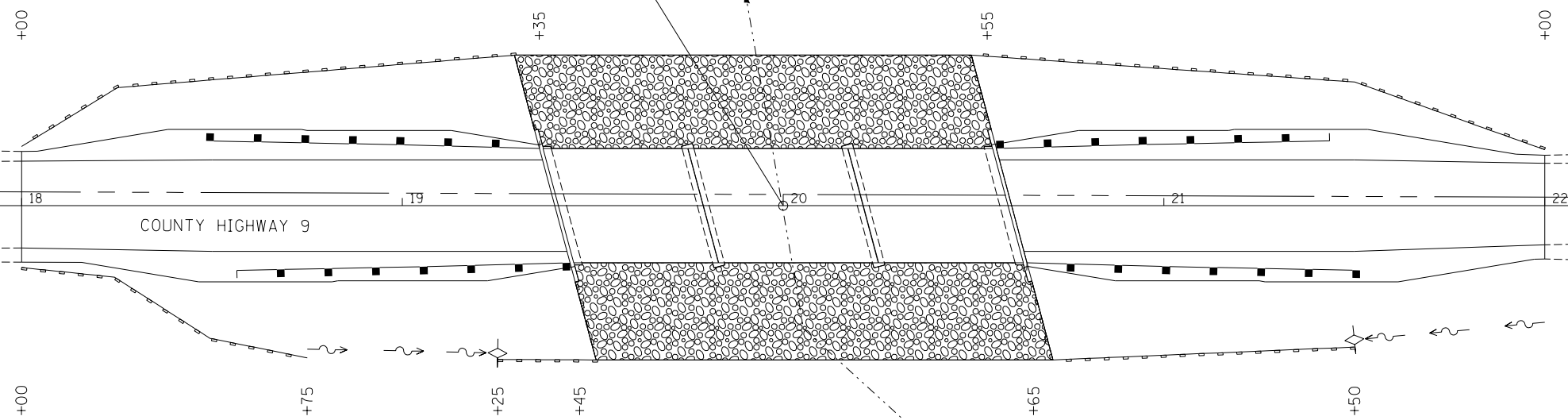


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\$MODELNAME\$	PLOT DATE = 9/26/2017	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 18+00.00	TO STA. 22+00.00	CONTRACT NO. 89734			
		CHECKED -	REVISED -		FED. ROAD DIST. NO. 7 ILLINOIS							
		DATE -	REVISED -		FED. AID PROJECT AE25(403)							

T 14 N, R 4 W, 4th PM
SECTION 7





CAMP

PROPOSED STRUCTURE
S.N. 066-3165



T 14 N, R 4 W, 4th PM
SECTION 8

LEGEND

-  PERIMETER EROSION BARRIER
-  TEMPORARY DITCH CHECK
-  SPECIAL DITCH - FLOW LINE AND DIRECTION
-  PROPOSED RIPRAP PLACEMENT

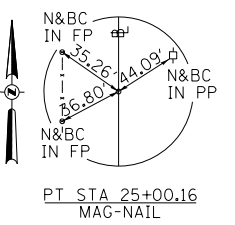
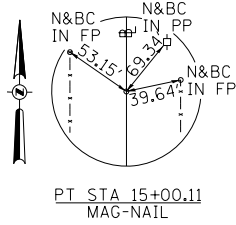
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	PLOT DATE = 9/26/2017	DATE -	REVISED -

**MERCER COUNTY
COUNTY HIGHWAY 9
OVER CAMP CREEK**

EROSION CONTROL PLAN

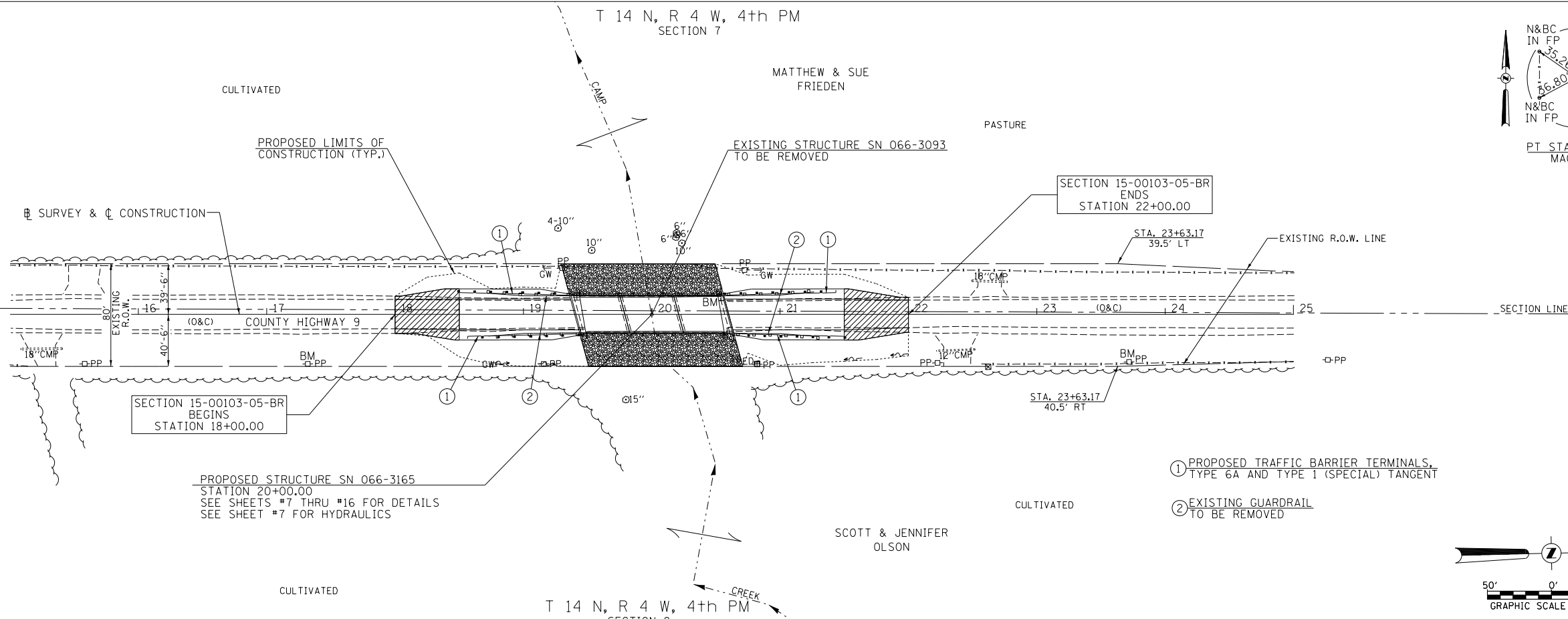
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	15-00103-05-BR	MERCER	21	5
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 89734	
FED. AID PROJECT AE25(403)				

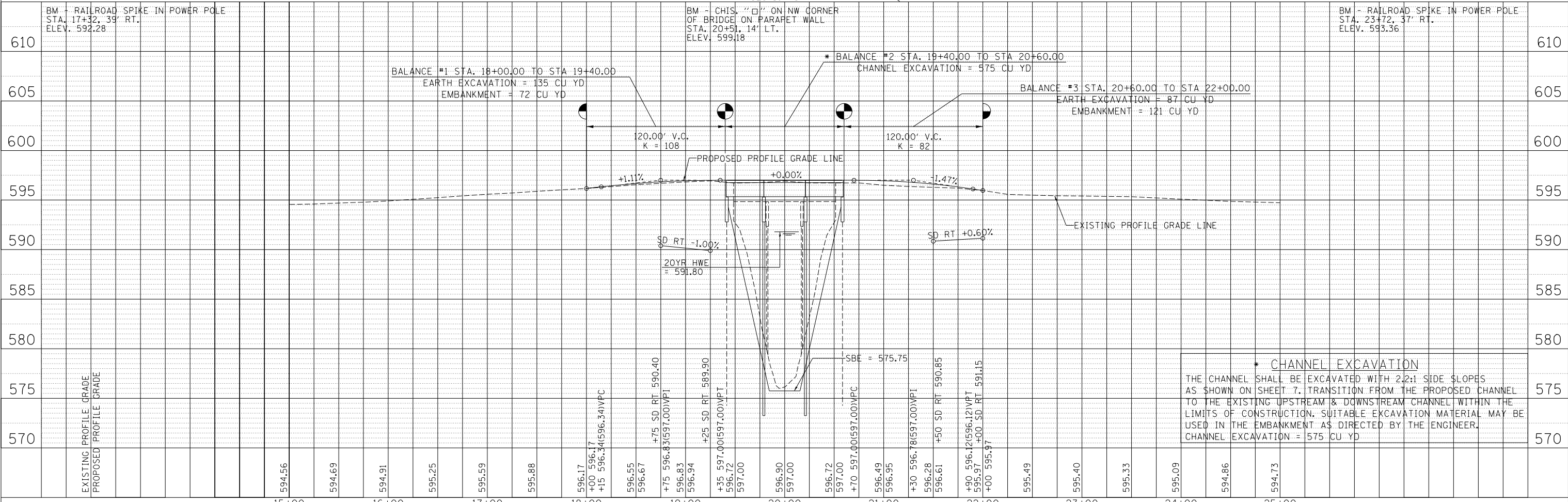
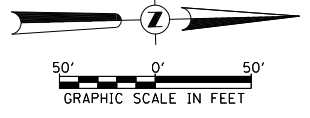


DATE	
BY	
PLAN	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
PROPOSED STRUCTURE	
CADD FILE NAME	
NO.	

DATE	
BY	
PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE	
NOTATIONS CHECKED	
NO.	



- ① PROPOSED TRAFFIC BARRIER TERMINALS, TYPE 6A AND TYPE 1 (SPECIAL) TANGENT
- ② EXISTING GUARDRAIL TO BE REMOVED



* CHANNEL EXCAVATION
 THE CHANNEL SHALL BE EXCAVATED WITH 2:2:1 SIDE SLOPES AS SHOWN ON SHEET 7. TRANSITION FROM THE PROPOSED CHANNEL TO THE EXISTING UPSTREAM & DOWNSTREAM CHANNEL WITHIN THE LIMITS OF CONSTRUCTION. SUITABLE EXCAVATION MATERIAL MAY BE USED IN THE EMBANKMENT AS DIRECTED BY THE ENGINEER.
 CHANNEL EXCAVATION = 575 CU YD

FILE NAME =	USER NAME = JHutchison	DESIGNED -	REVISED -
V:\4052 - CH9 over Camp Crk (Mercer)\CADD\CADD Sheets\4052p001.dgn		DRAWN -	REVISED -
MODELNAMEs	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 9/26/2017	DATE -	REVISED -

**MERCER COUNTY
 COUNTY HIGHWAY 9
 OVER CAMP CREEK**

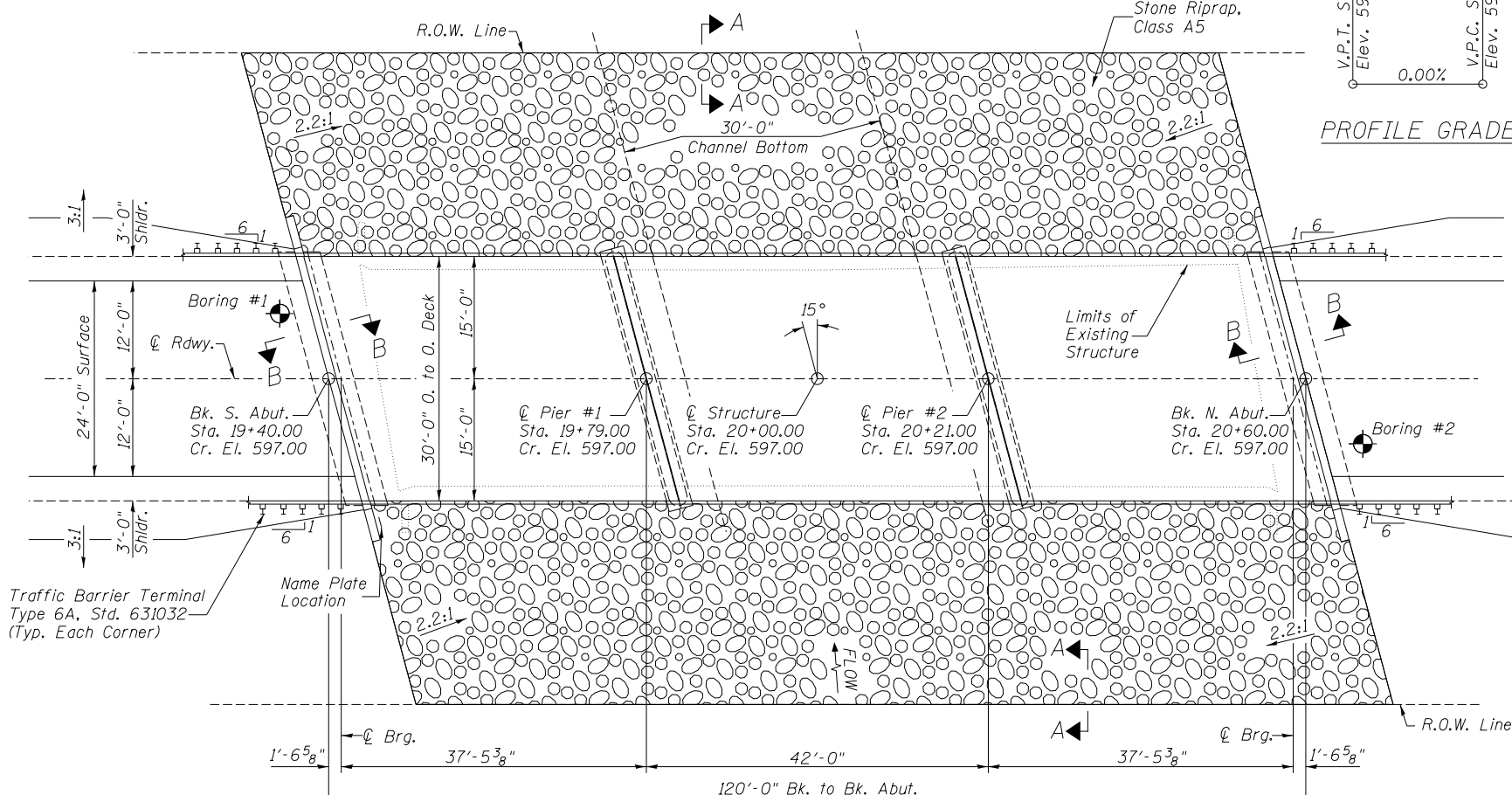
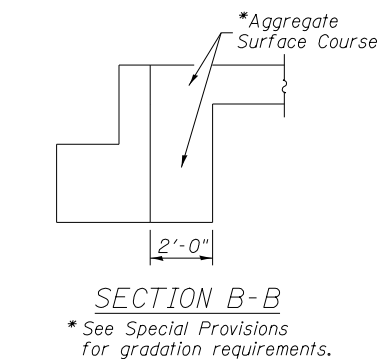
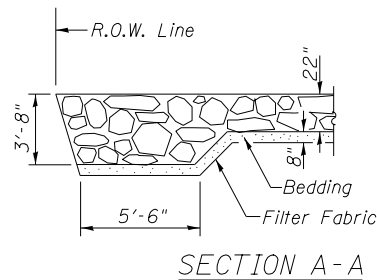
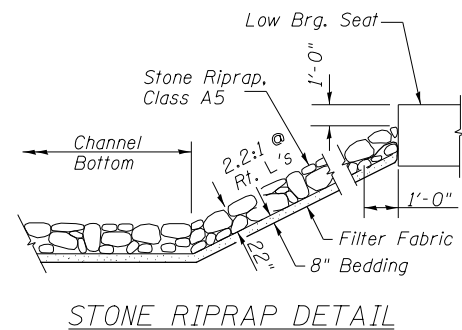
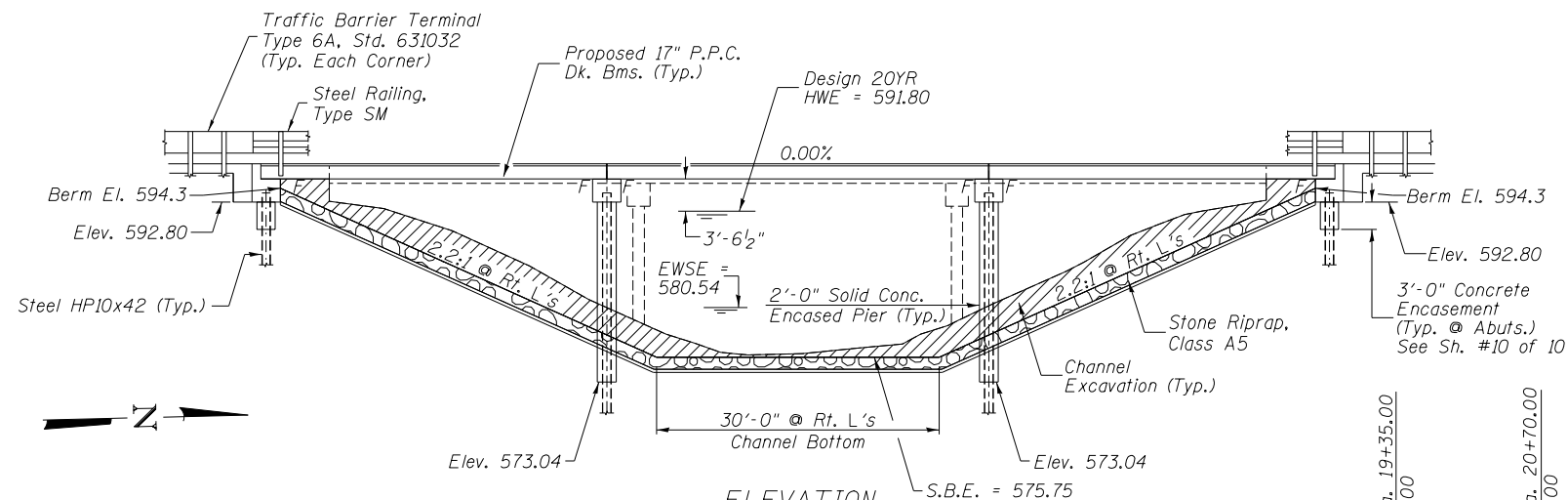
SCALE: 1"=50'
 SHEET NO. 1 OF 1 SHEETS
 STA. 18+00.00 TO STA. 22+00.00

F.A.S. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	15-00103-05-BR	MERCER	21	6
CONTRACT NO. 89734				
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT AE25(403)	

B.M.: RR Spike in Power Pole Sta. 17+32, 39' Rt. Elev. 592.28
 RR Spike in Power Pole Sta. 23+72, 37' Rt. Elev. 593.36

Existing Structure:
 Three span precast Nelson beam bridge on concrete pile bent abutments and individually encased concrete pile bent piers. The structure is ±107'-10" back to back of abutments, 30'-0" out to out deck, and is skewed 10° Rt. Ah. Str. No. 066-3093

Salvage: None
 Road to be closed to traffic during construction.



DESIGN SCOUR ELEVATION TABLE

Design Scour Elevations (ft.)					Item 113
S. Abut.	Pier 1	Pier 2	N. Abut.		
Q100	592.8	570.0	570.0	592.8	5
Q200	592.8	569.0	569.0	592.8	
Design	592.8	570.0	570.0	592.8	
Check	592.8	569.0	569.0	592.8	

DESIGN SPECIFICATIONS
 2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 Interims

DESIGN STRESSES
 (PRECAST PRESTRESSED UNITS)
 $f'_c = 6,000$ p.s.i.
 $f'_{ci} = 5,000$ p.s.i.
 $f'_s = 270,000$ p.s.i. ($\frac{1}{2}$ " Strands)
 $f'_{si} = 201,960$ p.s.i. ($\frac{1}{2}$ " Strands)

(FIELD UNITS)
 $f'_c = 3,500$ p.s.i.
 $f_y = 60,000$ p.s.i. (Rein.)

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

CAMP CREEK
 BUILT 201 BY
 MERCER COUNTY
 SEC. 15-00103-05-BR
 C.H. 9 STATION 20+00.00
 F.A. PROJ. AEZ5(403)
 STR. NO. 066-3165 LOADING HL-93

NAME PLATE
 Locate Name Plate at S.E. Wingwall
 Corner of Bridge (See Std. 515001)

WATERWAY INFORMATION

Drainage Area = 56.66 Sq. Mi.		Low Grade Elev. = 594.56 @ Sta. 15+00.00				
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.	Nat. Exist.	Head - Ft. Prop.	Headwater El. Exist. Prop.
Design	20	5,262	777 982	591.80	0.53 0.17	592.33 591.97
Base	100	7,500	852 1,064	592.64	1.17 0.55	593.81 593.19

Construction of this project complies with IDNR, Office of Water Resources Statewide Permit No. 2

DESIGNED	S.T.M.
CHECKED	C.T.M.
DRAWN	S.T.M.
CHECKED	C.T.M.

GENERAL NOTES

The Contractor shall drive test piles to 110% of the nominal required bearing specified in production locations at the substructures specified or approved by the Engineer before ordering the remainder of the piles.
 For Soil Boring Logs, See Special Provisions.
 A Corrosion Inhibitor shall be used in the concrete for Precast Prestressed Concrete Deck Beams according to Article 1020.05(b)(10) of the Standard Specifications.
 Reinforcement Bars shall conform to the requirements of ASTM A706 Grade 60. Reinforcement Bars designated (E) shall be epoxy coated.
 Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
 The top surface of the beams shall be finished according to the IDOT Manual for Fabrication of Precast Prestressed Concrete Products.

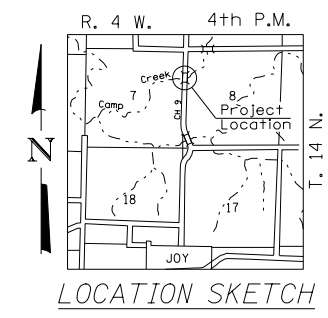
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	CU YD	—	575	575
Stone Riprap, Class A5	TON	—	1,235	1,235
Filter Fabric	SQ YD	—	1,105	1,105
① Removal of Existing Structures	EACH	—	—	1
Structure Excavation	CU YD	—	60	60
Cofferdam Excavation	CU YD	—	155	155
Concrete Structures	CU YD	—	135.9	135.9
Precast Prestressed Concrete Deck Beams (17" Depth)	SQ FT	3,538	—	3,538
Reinforcement Bars	POUND	—	10,950	10,950
Steel Railing, Type SM	FOOT	240	—	240
Furnishing Steel Piles HP10x42	FOOT	—	990	990
Driving Piles	FOOT	—	990	990
Test Pile Steel HP10x42	EACH	—	2	2
Concrete Encasement	CU YD	—	3.5	3.5
Name Plates	EACH	—	1	1
Cofferdam (Type 1) (Location-1) (Pier #1)	EACH	—	1	1
Cofferdam (Type 1) (Location-2) (Pier #2)	EACH	—	1	1

① See Special Provisions

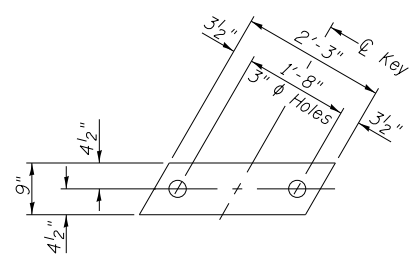
I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specification for Highway Bridges.
 This design complies with all requirements of the current AASHTO Guide Specifications for Seismic Design of highway bridges.

[Signature] 9/8/2017
 Illinois Structural No. 6440
 Expires 11/30/2018

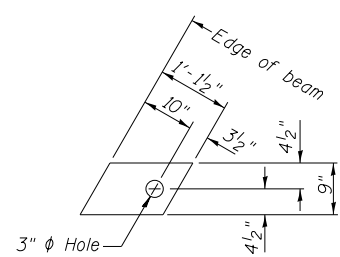


GENERAL PLAN & ELEVATION
 MERCER COUNTY
 SECTION 15-00103-05-BR
 C.H. 9 OVER CAMP CREEK

SHEET NO. 1	F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	212	15-00103-05-BR	MERCER	21	7
10 SHEETS	S.N. 066-3165		CONTRACT NO. 89734		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT AEZ5(403)		

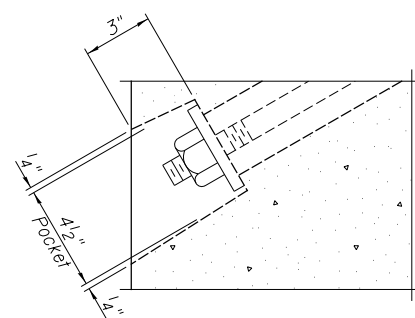


1/2" FABRIC BEARING PAD
(Interior) 36 Required

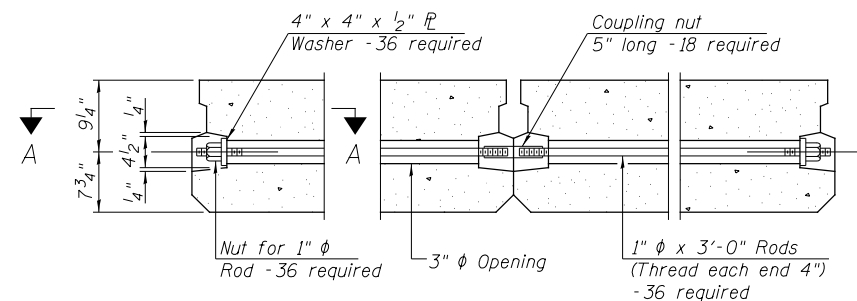


1/2" FABRIC BEARING PAD
(Exterior) 8 Required

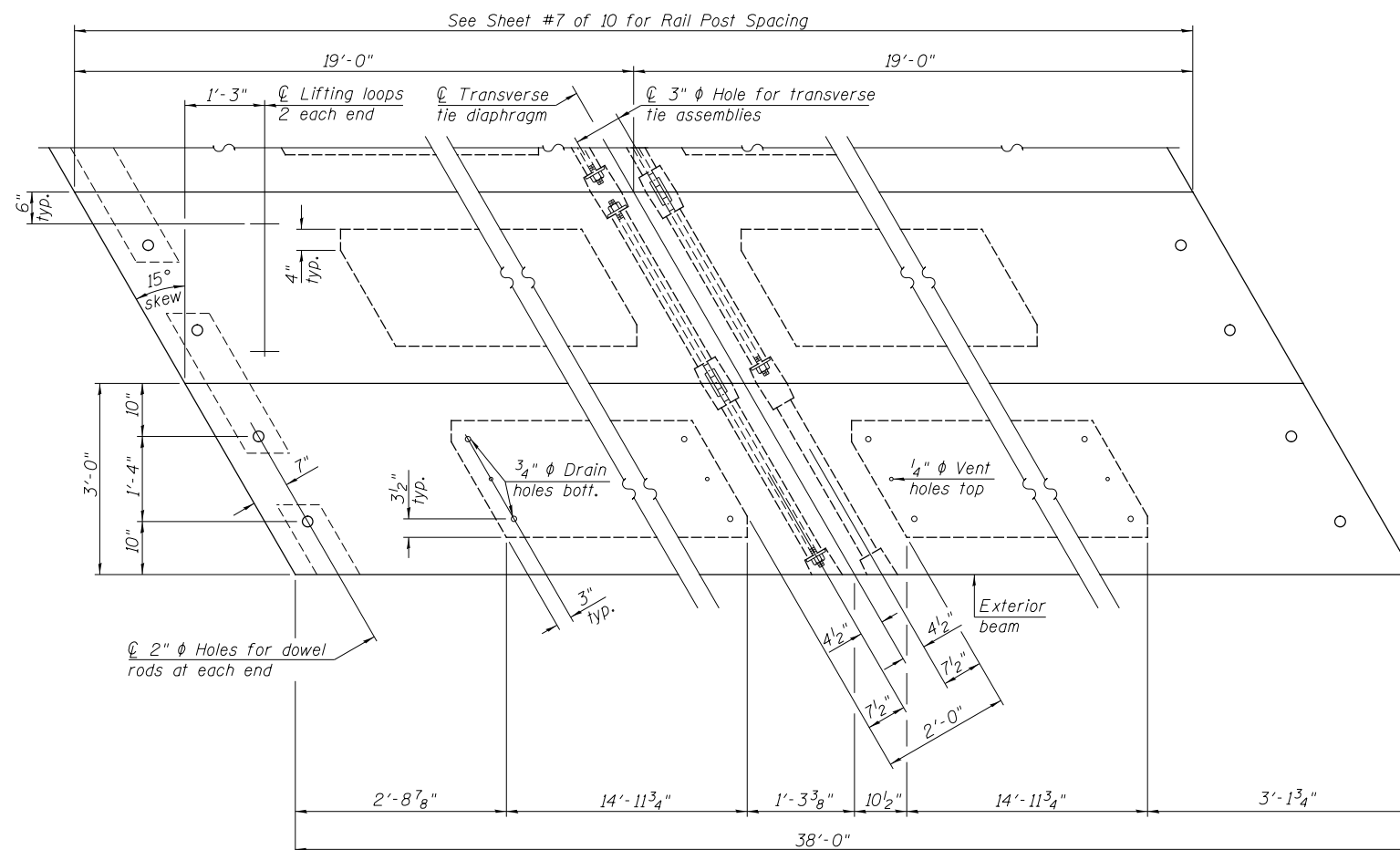
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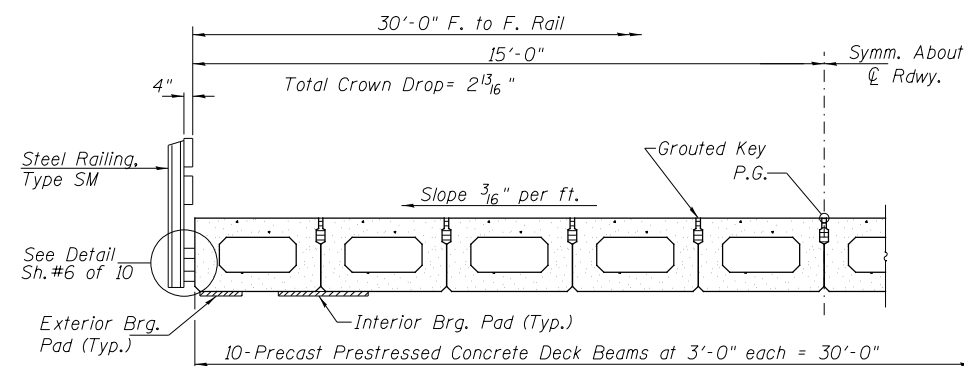
SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW



HALF CROSS SECTION

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (17" Depth)	50 FT	2,280

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

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" ϕ 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.

Reinforcement bars shall conform to ASTM A706, Grade 60.

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" ϕ lifting pin shall be used to engage the lifting loops during handling.

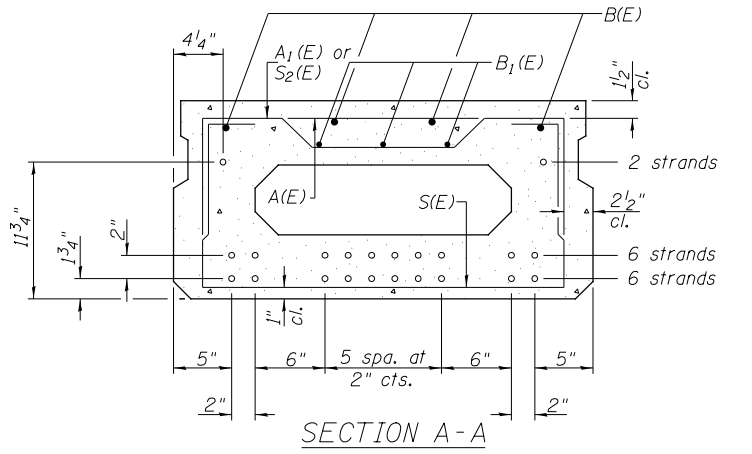
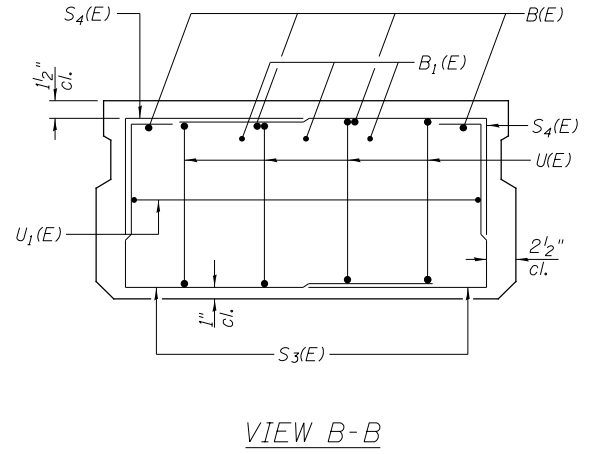
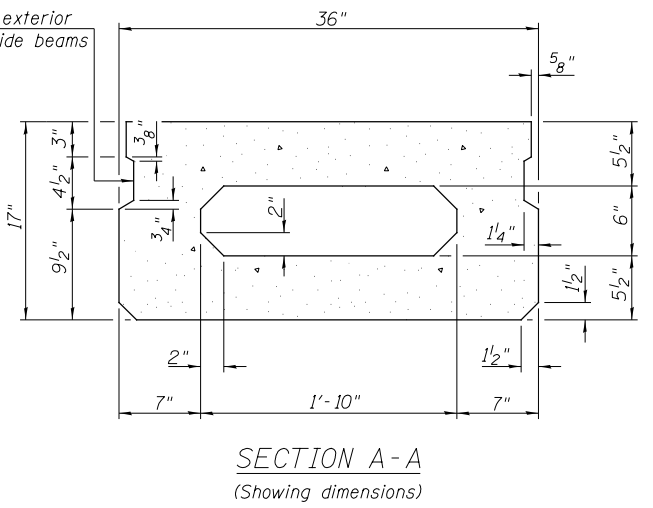
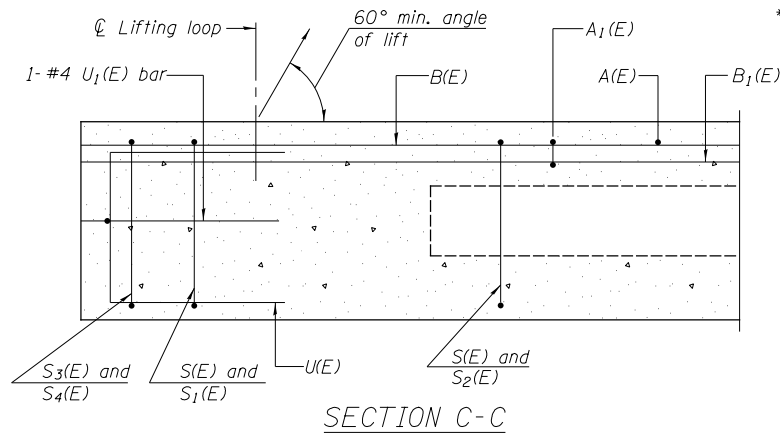
Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.

Compressive strength of prestressed concrete, $f'c$, shall be 6000 psi.

Compressive strength of prestressed concrete at release, $f'ci$, shall be 5000 psi.

SUPERSTRUCTURE - SPANS 1 & 3
MERCER COUNTY
SECTION 15-00103-05-BR
C.H. 9 OVER CAMP CREEK

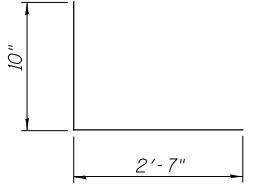
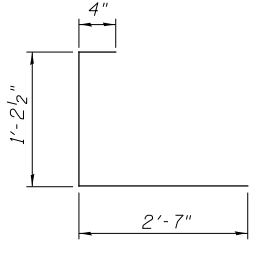
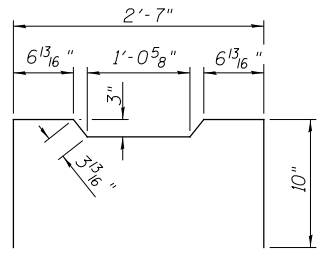
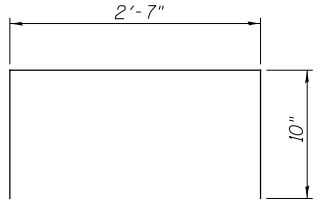
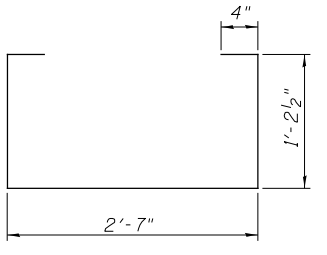
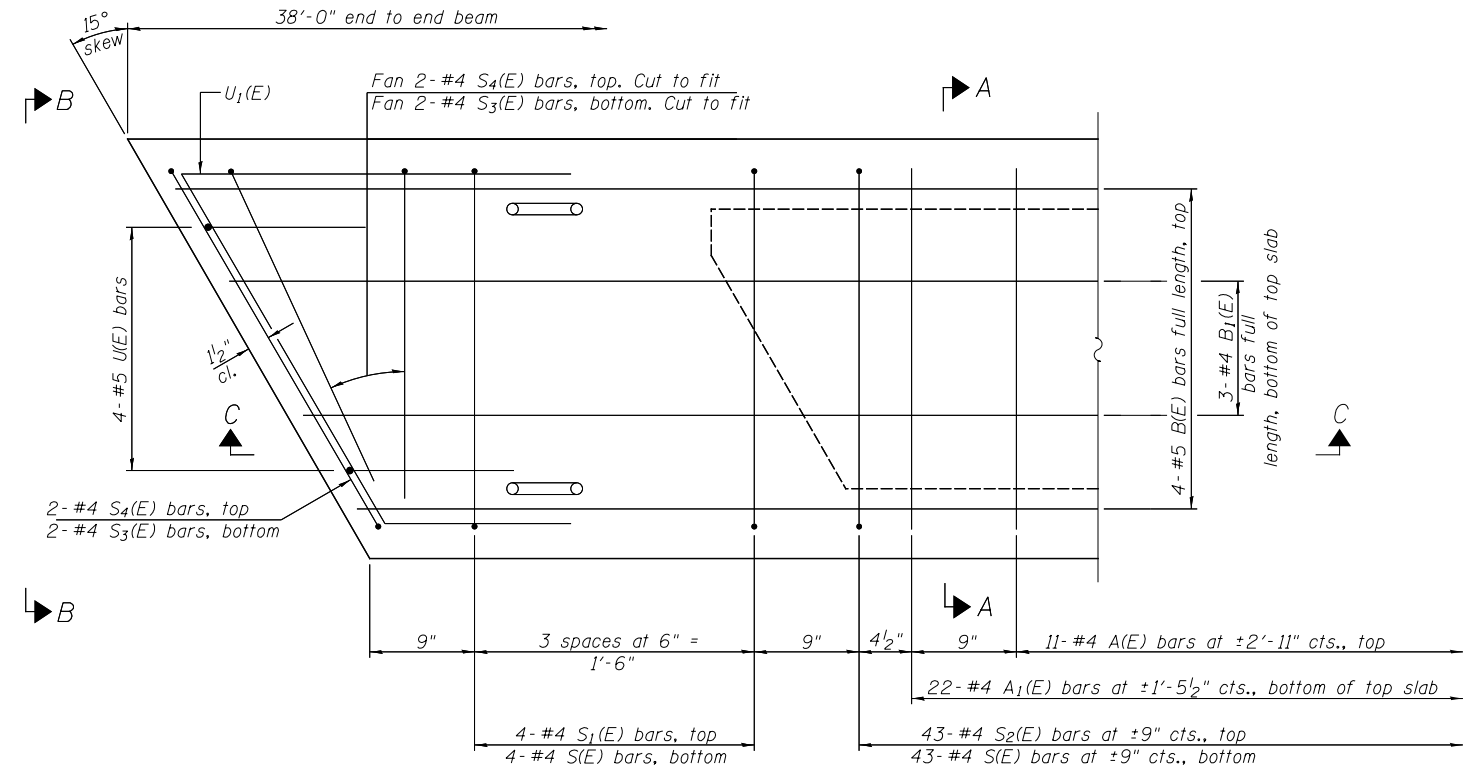
SHEET NO. 2	F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS	212	15-00103-05-BR	MERCER	21	8
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 89734		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT AE25(403)		



**Rail post anchor devices (Sheet 6 of 10) to be cast into exterior face of outside beams.

14-1/2"φ Strands Each Strand Stressed to 30,900 Lbs.
6-Strands 1 3/4" up, 6-Strands 3 3/4" up, 2-Strands 11 3/4" up

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



PLAN VIEW

BAR LIST - ONE BEAM ONLY
(For Information Only)

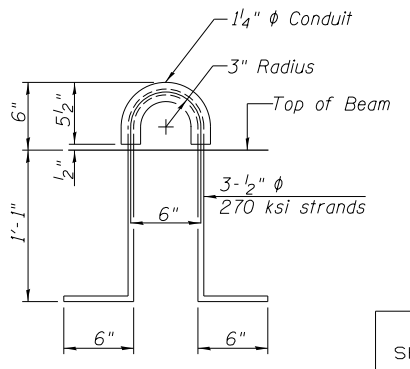
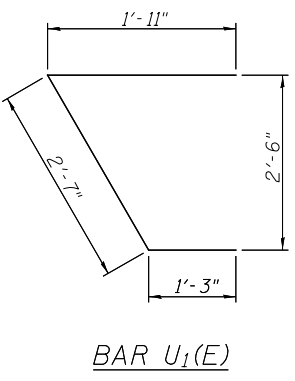
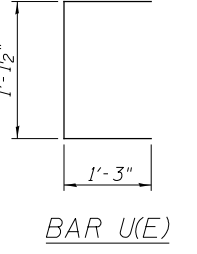
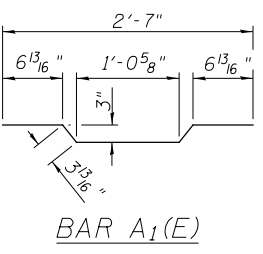
BAR	NO.	SIZE	LENGTH	SHAPE
A(E)	11	#4	2'-7"	—
A1(E)	22	#4	2'-10"	~
B(E)	4	#5	*37'-9"	—
B1(E)	3	#4	*37'-9"	—
S(E)	51	#4	5'-8"	⌈
S1(E)	8	#4	4'-3"	⌈
S2(E)	43	#4	4'-6"	⌈
S3(E)	8	#4	4'-2"	⌈
S4(E)	8	#4	3'-5"	⌈
U(E)	8	#5	3'-8"	⌈
U1(E)	2	#4	5'-9"	⌈

Note: See Sheet 2 of 10 for additional details and Bill of Material.

* Total Length, Lap as necessary

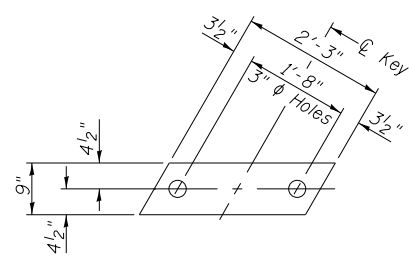
MINIMUM BAR LAP
#4 bar = 1'-11"
#5 bar = 2'-6"

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.

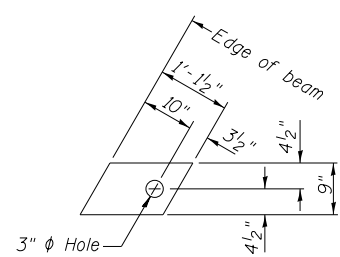


SUPERSTRUCTURE DETAILS - SPANS 1 & 3
MERCER COUNTY
SECTION 15-00103-05-BR
C.H. 9 OVER CAMP CREEK

SHEET NO. 3 10 SHEETS	F.A.S. ROUTE 212	SECTION 15-00103-05-BR	COUNTY MERCER	TOTAL SHEETS 21	SHEET NO. 9
	S.N. 066-3165		CONTRACT NO. 89734		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT AE25(403)		

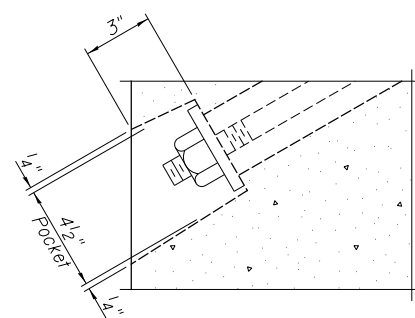


1/2" FABRIC BEARING PAD
(Interior) 18 Required

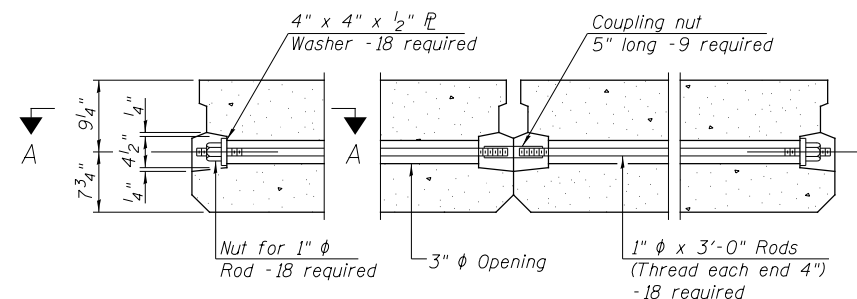


1/2" FABRIC BEARING PAD
(Exterior) 4 Required

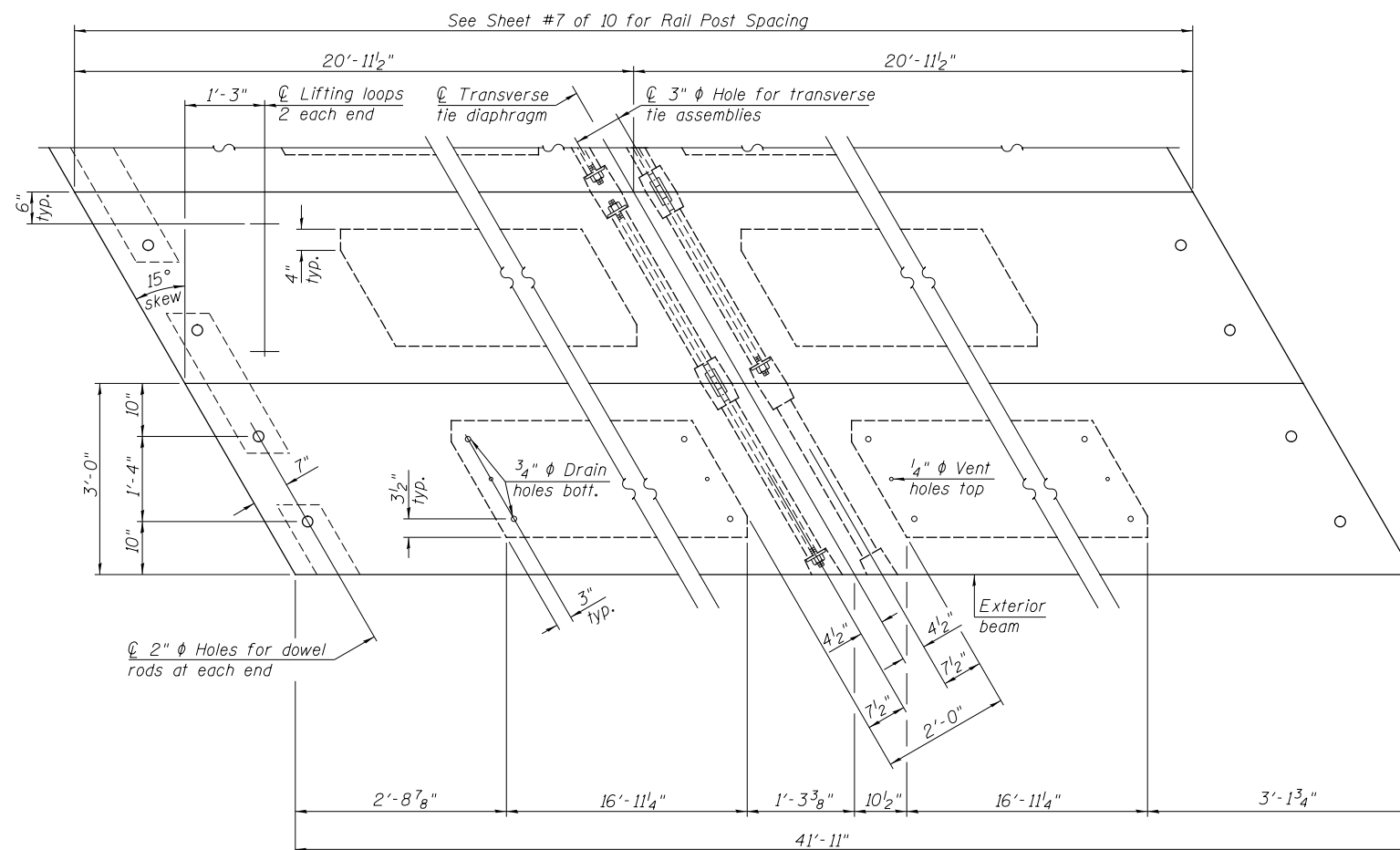
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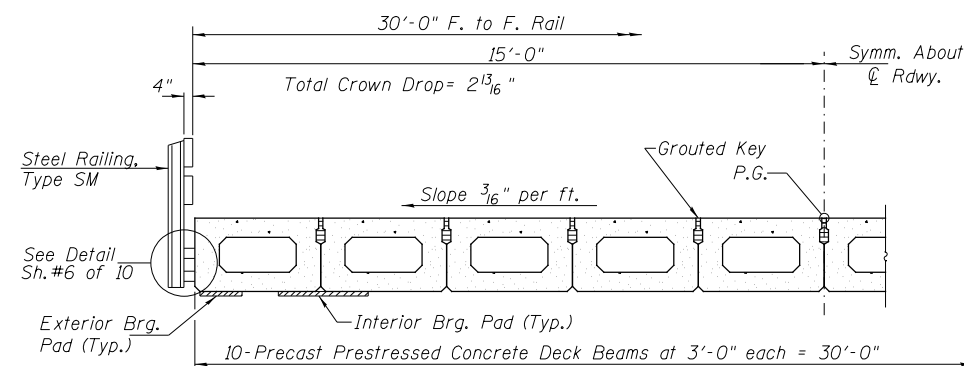
SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY



PLAN VIEW



HALF CROSS SECTION

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Precast Prestressed Concrete Deck Beams (17" Depth)	50 FT	1,258

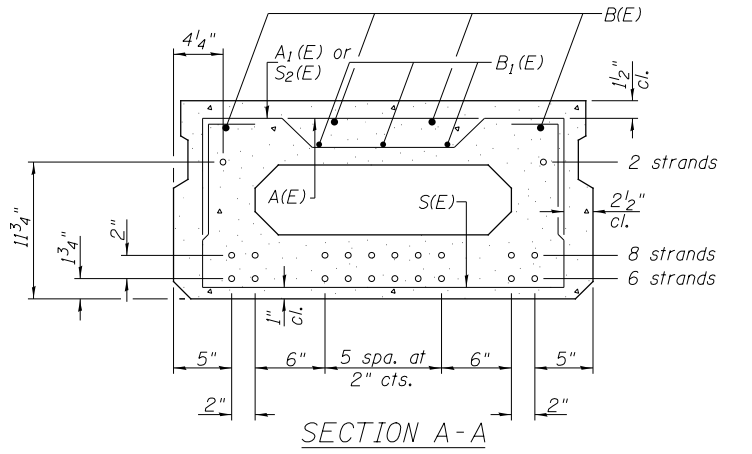
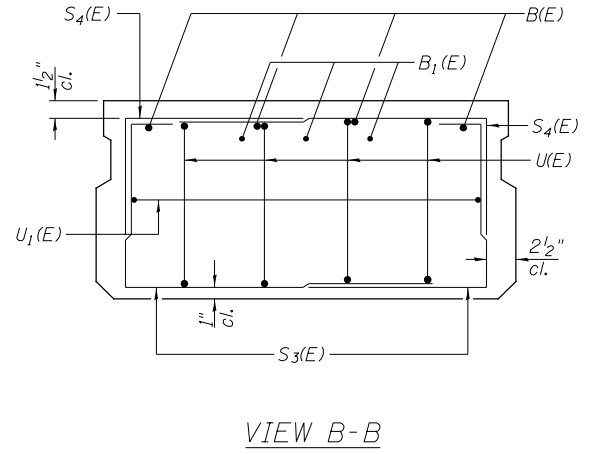
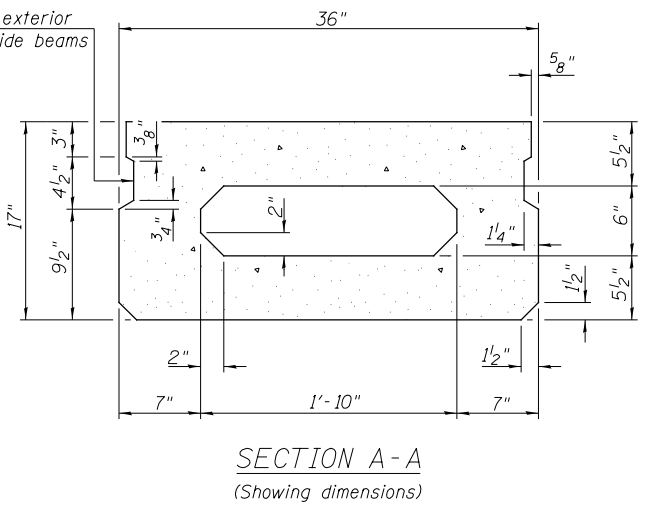
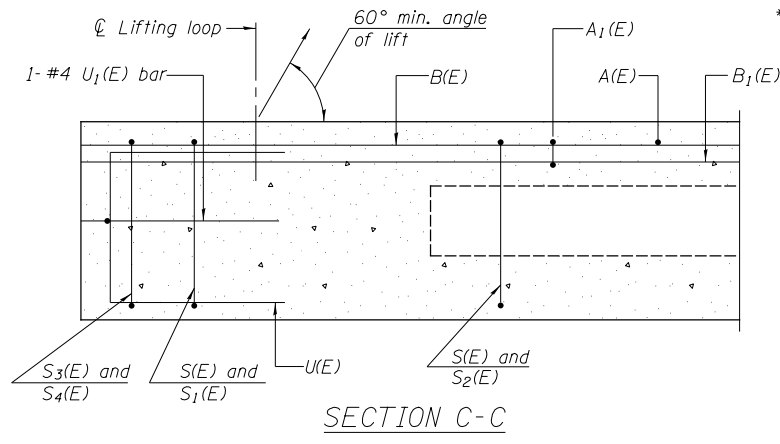
Note: Connect beams in pairs with the transverse tie configuration shown.

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" ϕ 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.
- Reinforcement bars shall conform to ASTM A706, Grade 60.
- 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" ϕ 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.

SUPERSTRUCTURE - SPAN 2
MERCER COUNTY
SECTION 15-00103-05-BR
C.H. 9 OVER CAMP CREEK

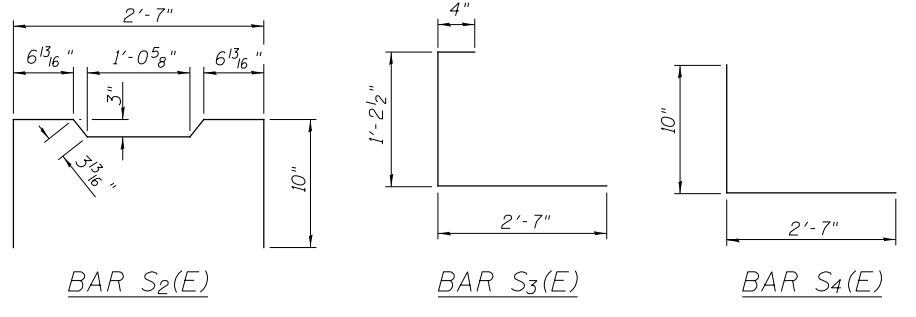
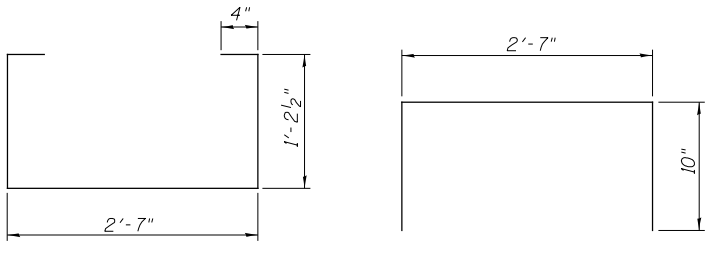
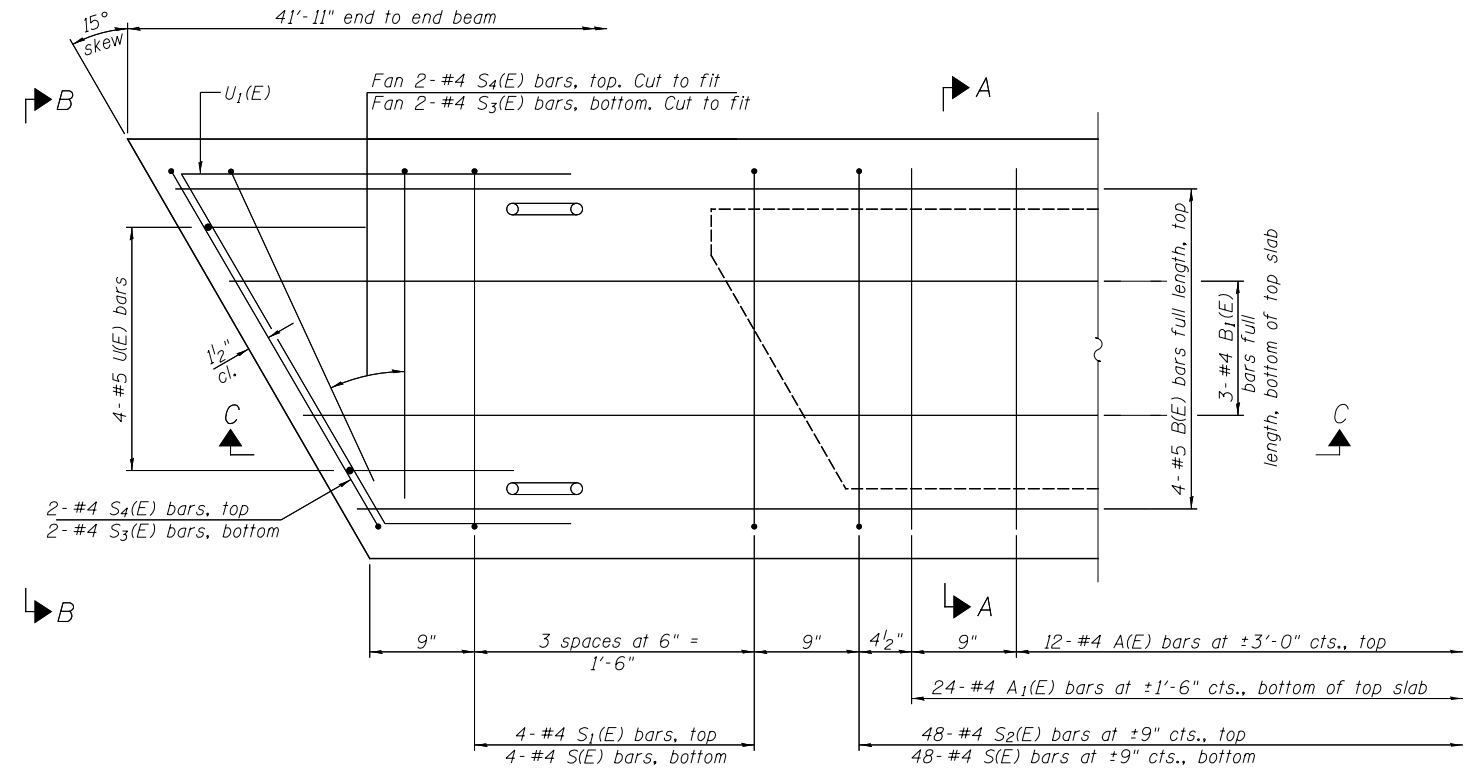
SHEET NO. 4	F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS	212	15-00103-05-BR	MERCER	21	10
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 89734		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT AE25(403)		



**Rail post anchor devices (Sheet 6 of 10) to be cast into exterior face of outside beams.

16-1/2"φ Strands Each Strand Stressed to 30,900 Lbs.
6-Strands 1 3/4" up, 8-Strands 3 3/4" up, 2-Strands 11 3/4" up

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)	12	#4	2'-7"	—
A1(E)	24	#4	2'-10"	~
B(E)	4	#5	*4'-8"	—
B1(E)	3	#4	*4'-8"	—
S(E)	56	#4	5'-8"	⌈
S1(E)	8	#4	4'-3"	⌈
S2(E)	48	#4	4'-6"	⌈
S3(E)	8	#4	4'-2"	⌈
S4(E)	8	#4	3'-5"	⌈
U(E)	8	#5	3'-8"	⌈
U1(E)	2	#4	5'-9"	⌈

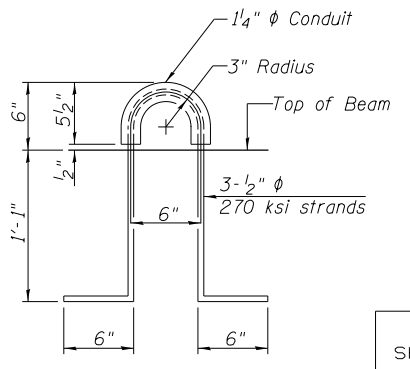
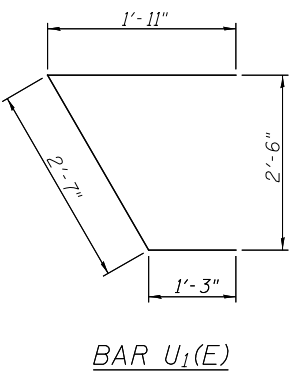
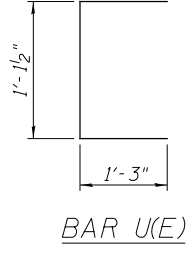
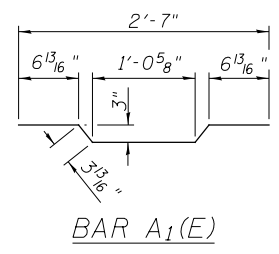
Note: See Sheet 4 of 10 for additional details and Bill of Material.

* Total Length, Lap as necessary

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

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.

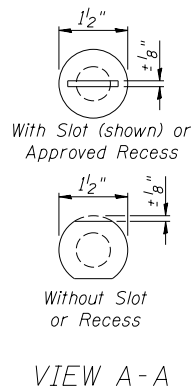
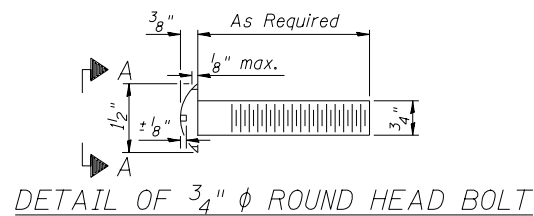
PLAN VIEW



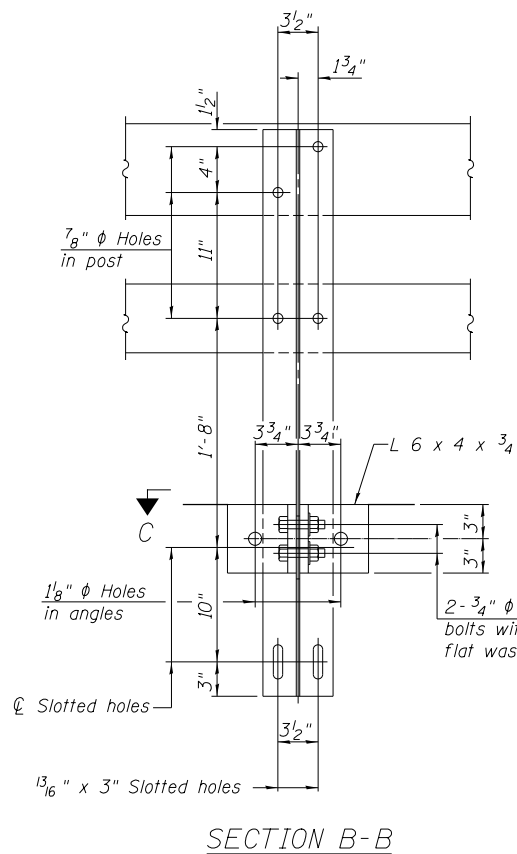
SUPERSTRUCTURE DETAILS - SPAN 2
MERCER COUNTY
SECTION 15-00103-05-BR
C.H. 9 OVER CAMP CREEK

SHEET NO. 5 10 SHEETS	F.A.S. ROUTE 212	SECTION 15-00103-05-BR	COUNTY MERCER	TOTAL SHEETS 21	SHEET NO. 11
	S.N. 066-3165		CONTRACT NO. 89734		
	FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT AE25(403)		

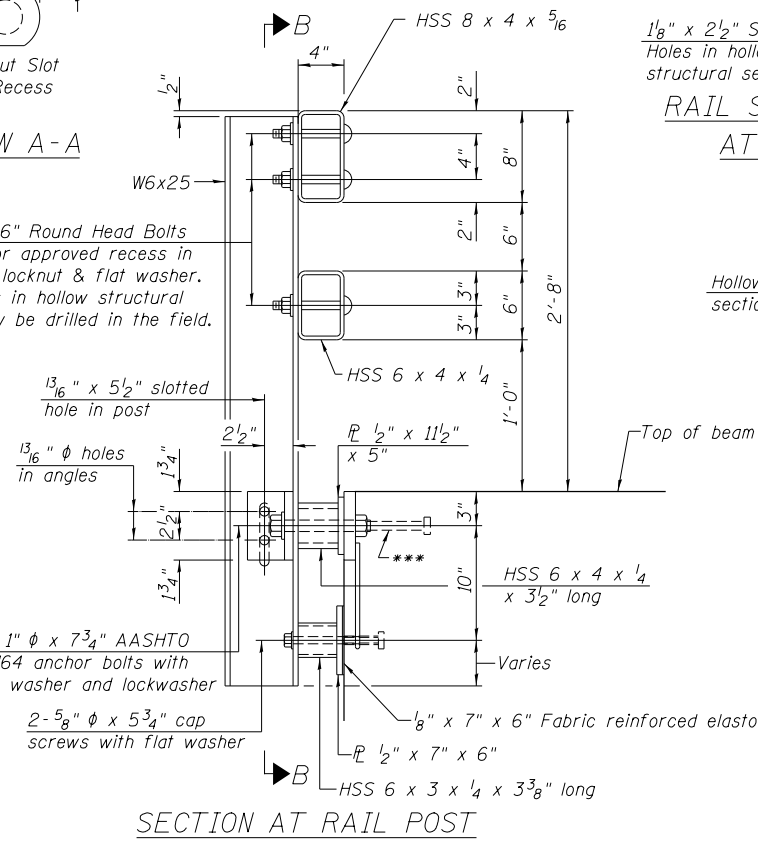
FOR RAIL POST SPACING SEE SH.#7 OF 10



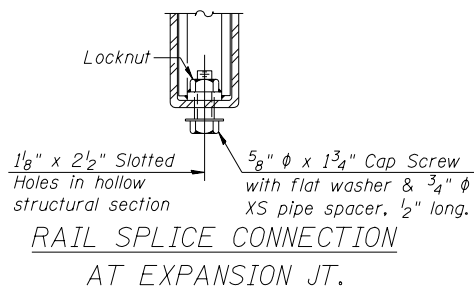
4- 3/4" ϕ x 6" Round Head Bolts (With slot or approved recess in head) with locknut & flat washer. 7/8" ϕ holes in hollow structural section may be drilled in the field.



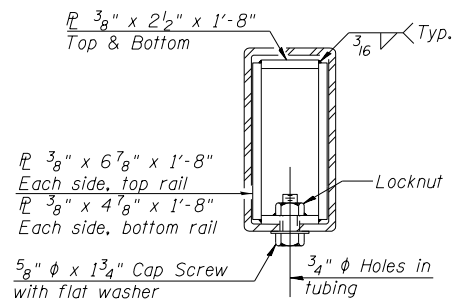
SECTION B-B



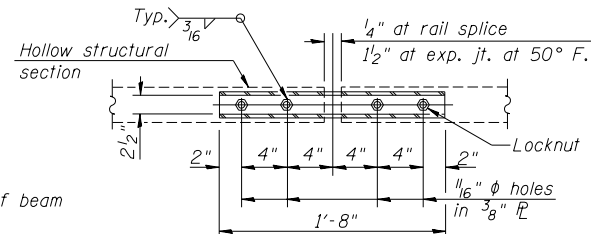
SECTION AT RAIL POST



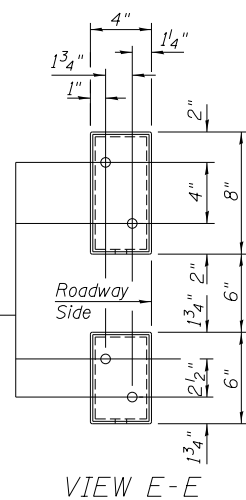
RAIL SPLICE CONNECTION AT EXPANSION JT.



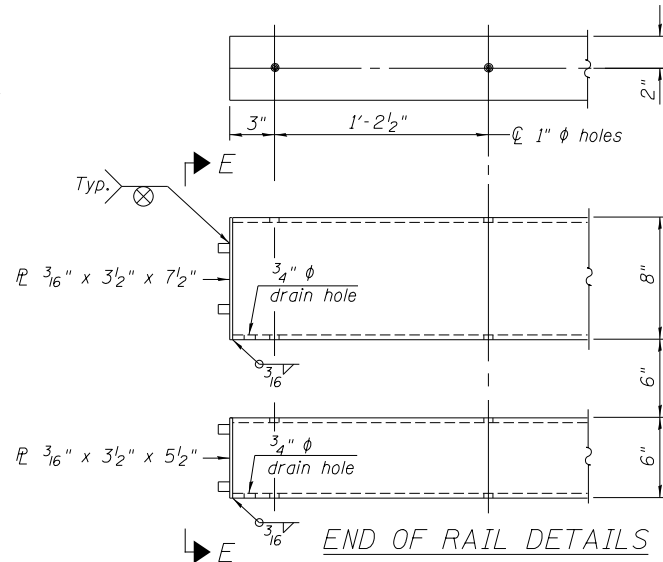
SECTION AT RAIL SPLICE



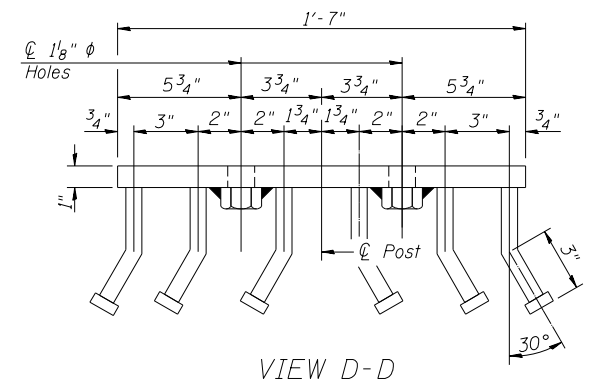
PLAN-BOTT. SPLICE P TYPICAL



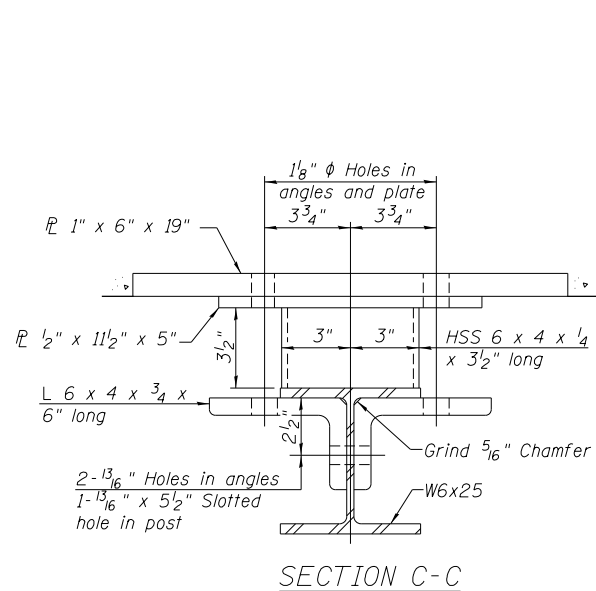
VIEW E-E



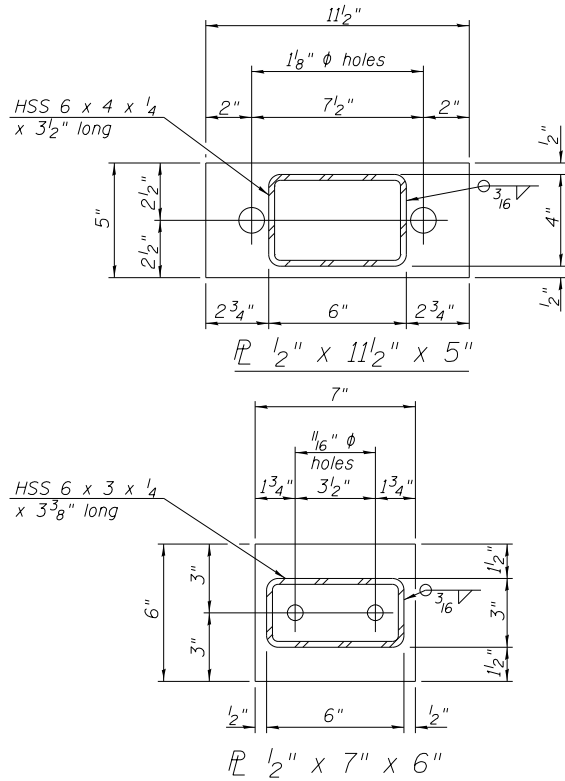
END OF RAIL DETAILS



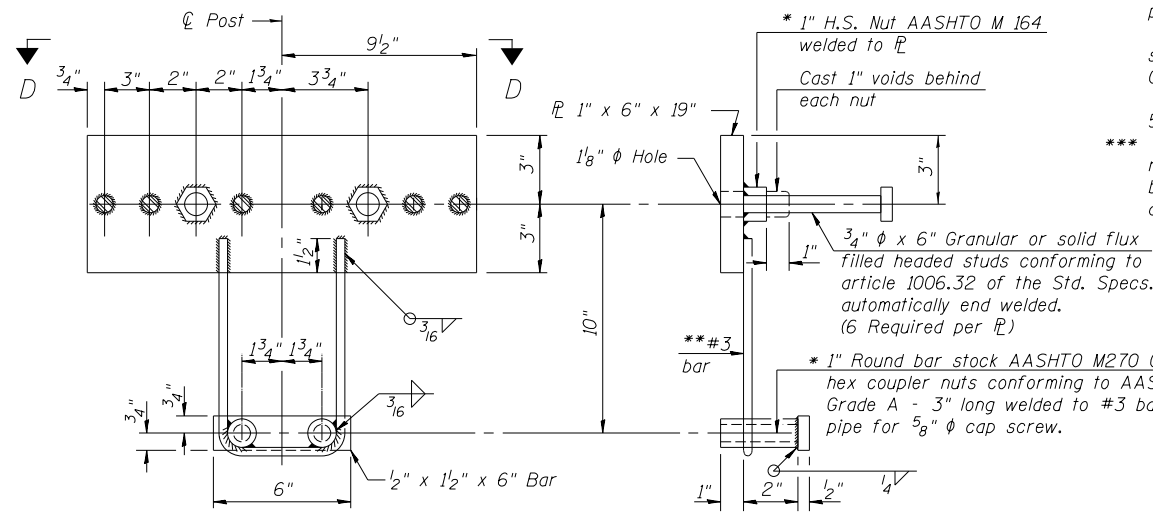
VIEW D-D



SECTION C-C



ANCHOR DEVICE



*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

**Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".

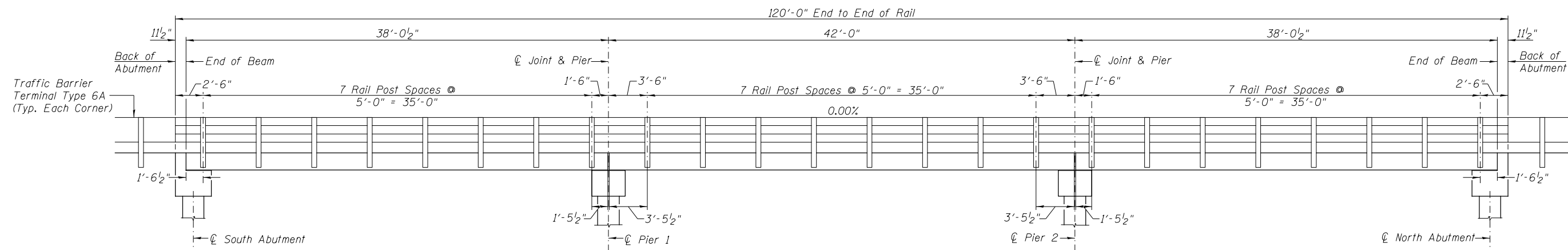
Notes:
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 All steel rail members shall 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.

BILL OF MATERIAL

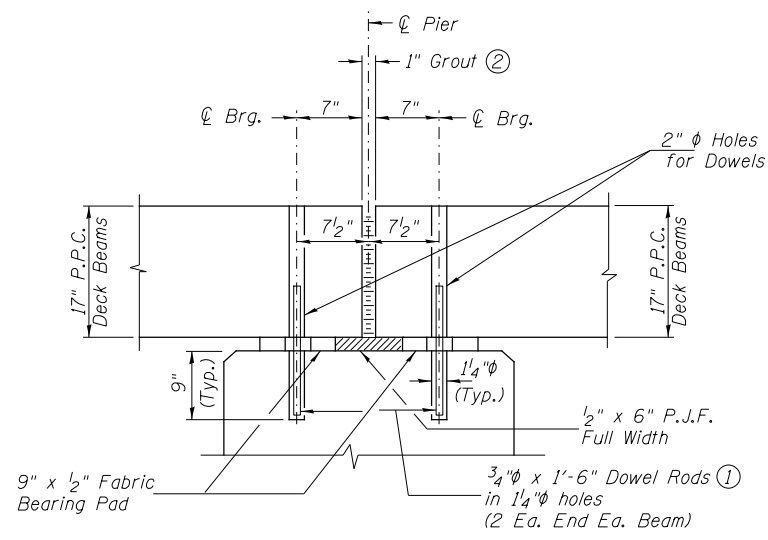
ITEM	UNIT	QUANTITY
Steel Railing, Type SM	FOOT	240

STEEL RAILING, TYPE SM
 MERCER COUNTY
 SECTION 15-00103-05-BR
 C.H. 9 OVER CAMP CREEK

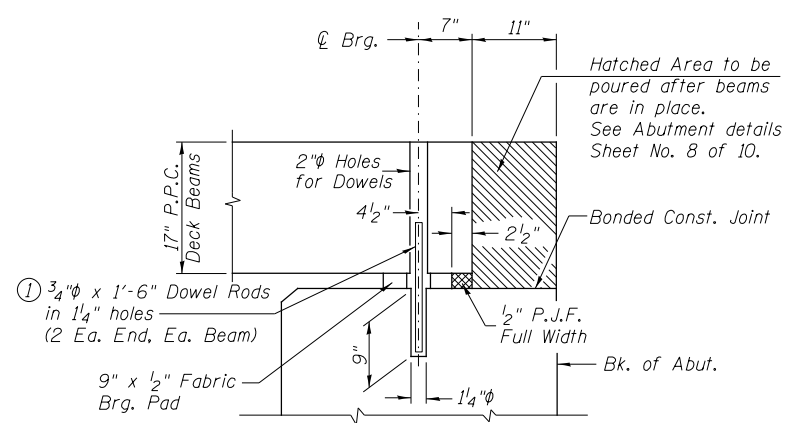
SHEET NO. 6	F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS	212	15-00103-05-BR	MERCER	21	12
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 89734		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT AE25(403)		



RAIL POST SPACING



SECTION THRU PIERS
(At Right Angles)

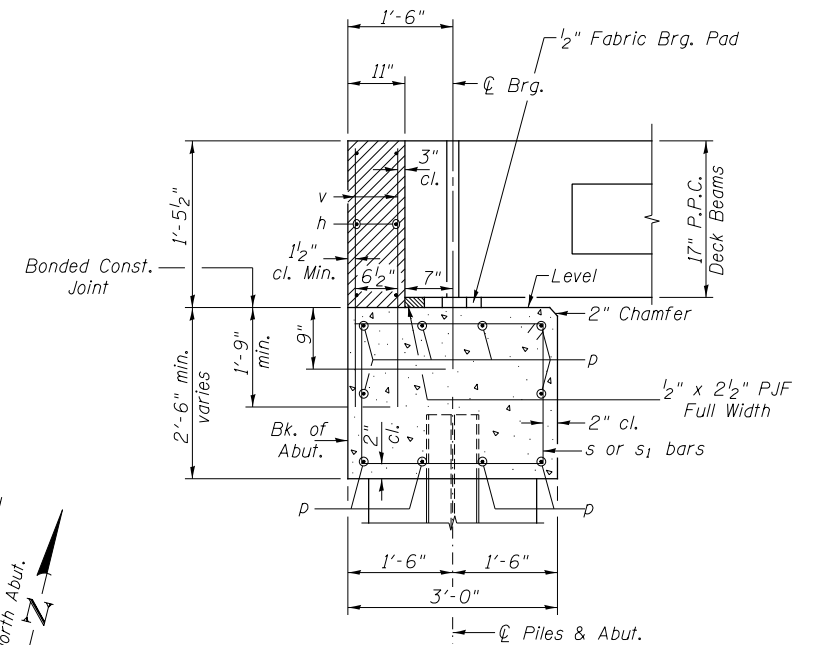
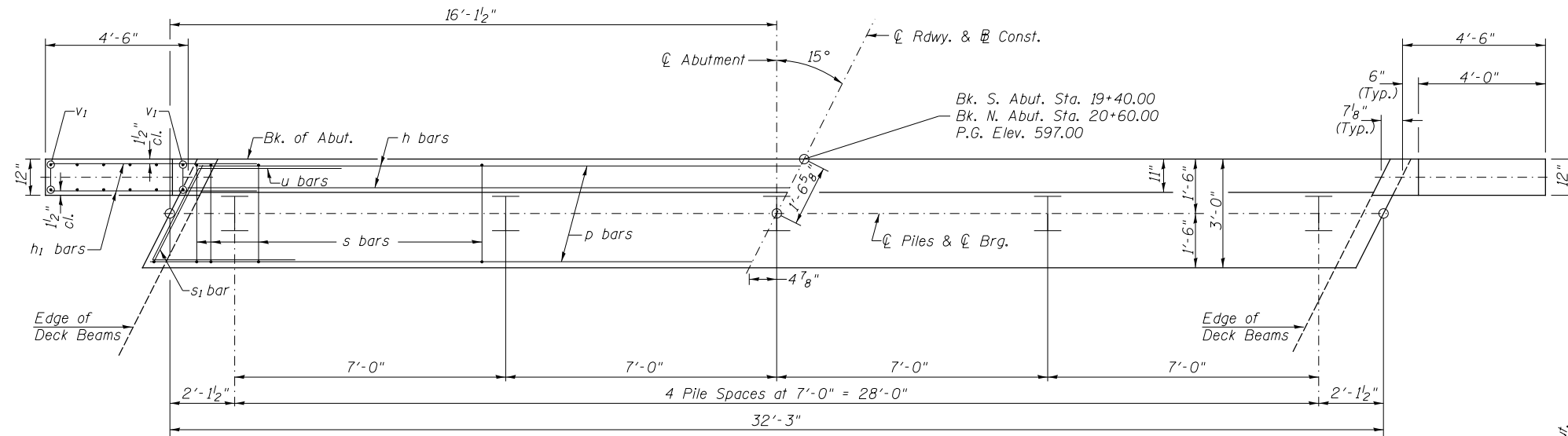


SECTION THRU ABUTMENTS
(At Right Angles)

- ① Dowel Rods to be grouted after beams are in place and allowed to cure (Min. 24 hr.) prior to grouting the shear keys.
- ② 1" Joint shall be packed with nonshrink grout in accordance with Standard Specifications. 1" Dimension may vary plus or minus to accommodate tolerance in beam lengths.

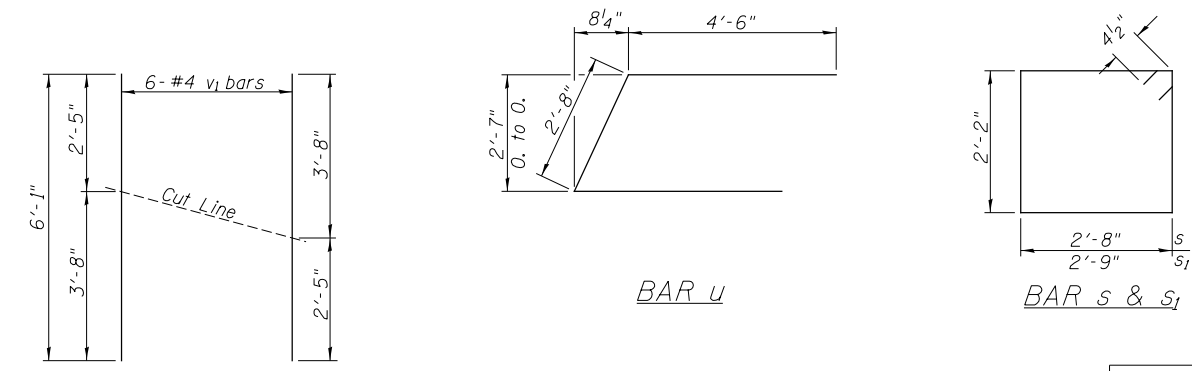
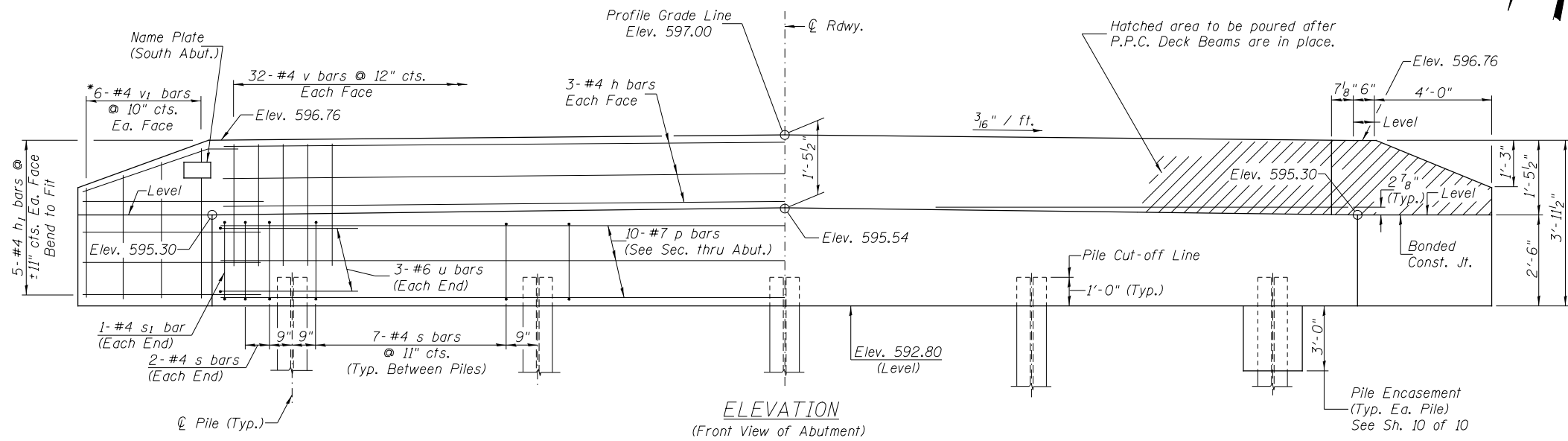
RAIL POST SPACING AND
SUPERSTRUCTURE DETAILS
MERCER COUNTY
SECTION 15-00103-05-BR
C.H. 9 OVER CAMP CREEK

SHEET NO. 7 10 SHEETS	F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	212	15-00103-05-BR	MERCER	21	13
	S.N. 066-3165		CONTRACT NO. 89734		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT AE25(403)		



TWO ABUTMENTS
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h	12	#4	32'-0"	—
h ₁	40	#4	6'-6"	—
p	20	#7	32'-0"	—
s	64	#4	10'-5"	□
s ₁	4	#4	10'-7"	□
u	12	#6	11'-8"	└┘
v	128	#4	3'-2"	—
v ₁	24	#4	6'-1"	—
Concrete Structures	CU YD		24.3	
Reinforcement Bars	POUND		2,790	
Structure Excavation	CU YD		60	
Name Plates	EACH		1	
Furnishing Steel Piles	FOOT		405	
HP10x42				
Driving Piles	FOOT		405	
Test Pile Steel HP10x42	EACH		1	
Concrete Encasement	CU YD		3.5	



DESIGN STRESSES
 $f'_c = 3,500$ p.s.i.
 $f_y = 60,000$ p.s.i.

PILE DATA
 Type & Size: Steel HP10x42
 Nominal Required Bearing: 335 kips
 Factored Resistance Available: 184 kips
 Est. Length: 45' South Abutment
 45' North Abutment
 No. Req'd.: 10 (Includes 1 Test Pile at North Abut.)

NOTES

- The Backwall and the portion of the Wingwalls above the bonded construction joint shall be cast against the in-place beam.
- Reinforcement bars shall conform to ASTM A706 Grade 60.

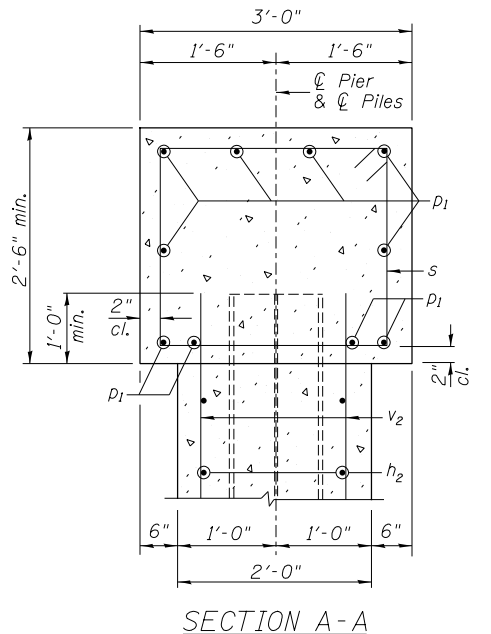
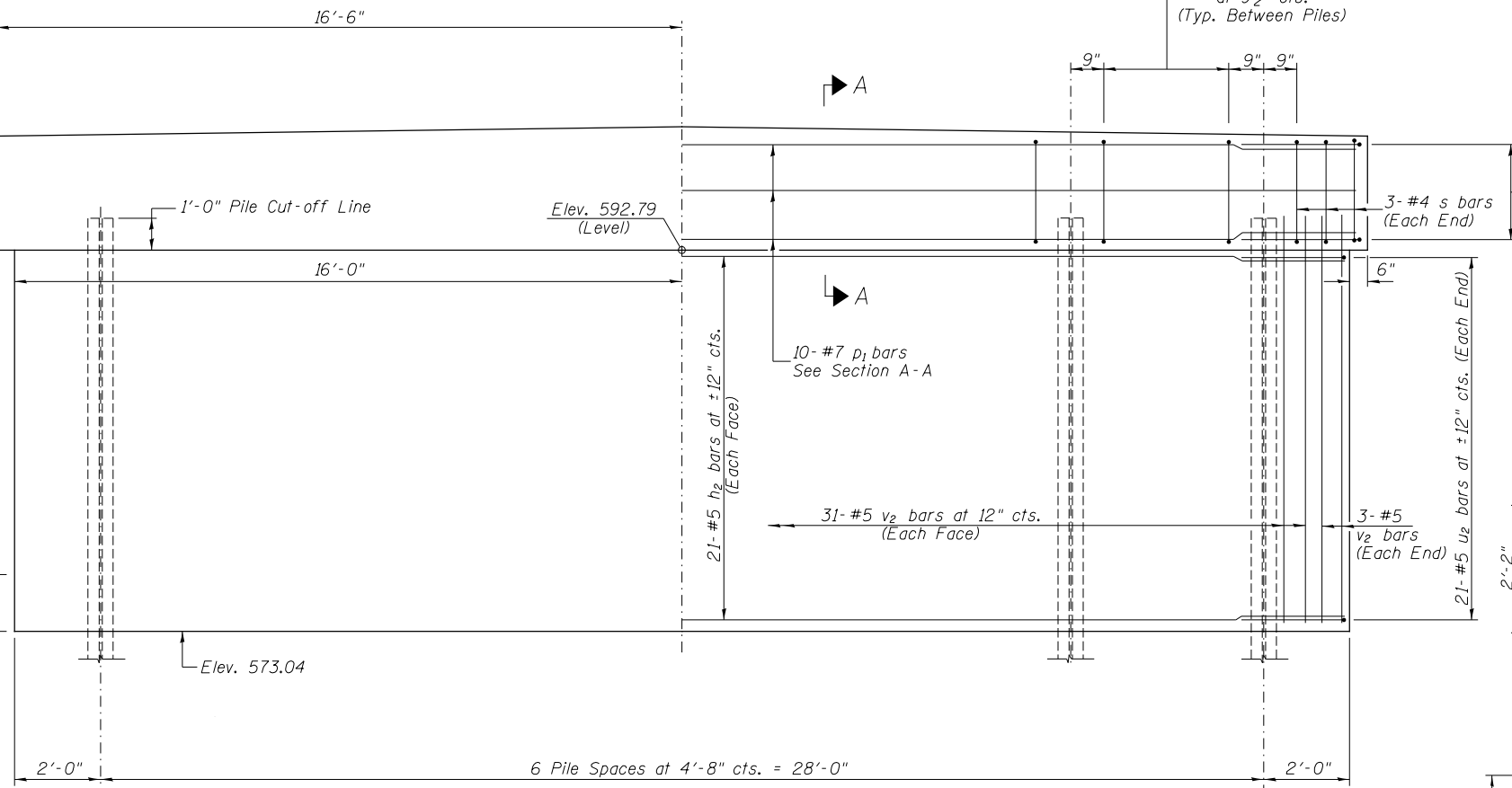
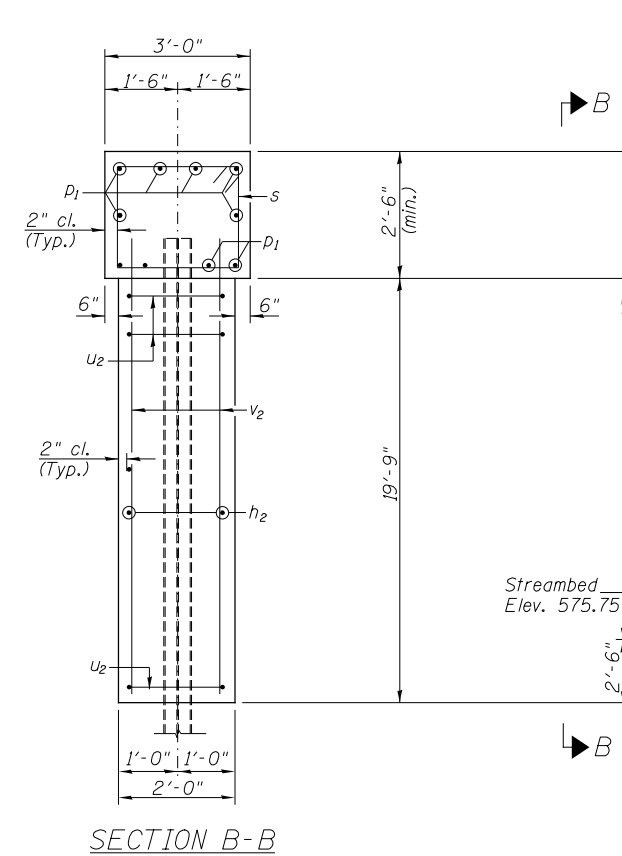
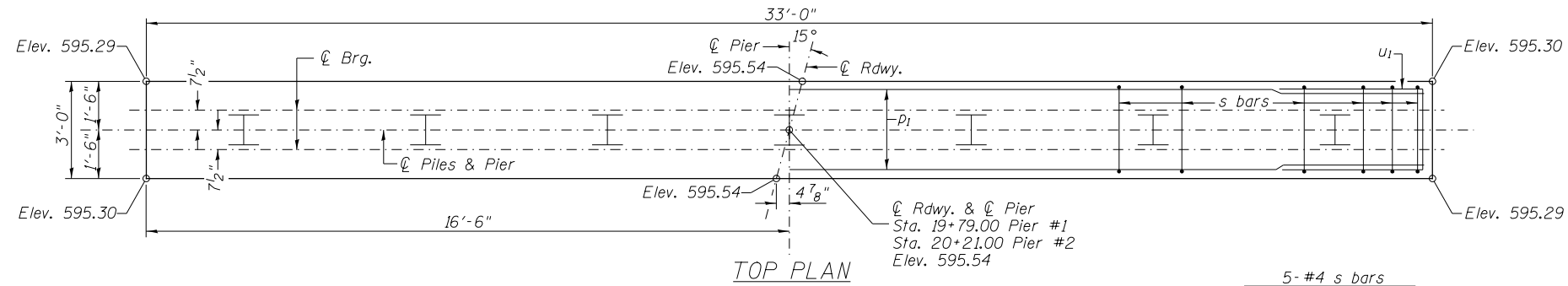
*Order v₁ bars full length. Cut as shown and use remainder of bars in opposite face.

ABUTMENTS
MERCER COUNTY
SECTION 15-00103-05-BR
C.H. 9 OVER CAMP CREEK

SHEET NO. 8 10 SHEETS	F.A.S. ROUTE 212	SECTION 15-00103-05-BR	COUNTY MERCER	TOTAL SHEETS 21	SHEET NO. 14
	S.N. 066-3165		CONTRACT NO. 89734		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT AE25(403)		

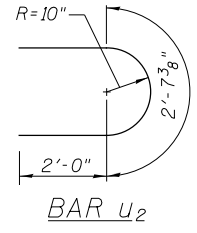
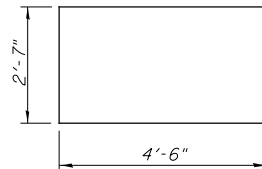
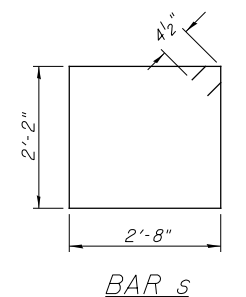
Notes:

All edges shall have standard 3/4" chamfer.
See Sheet 10 of 10 for Pile Details.



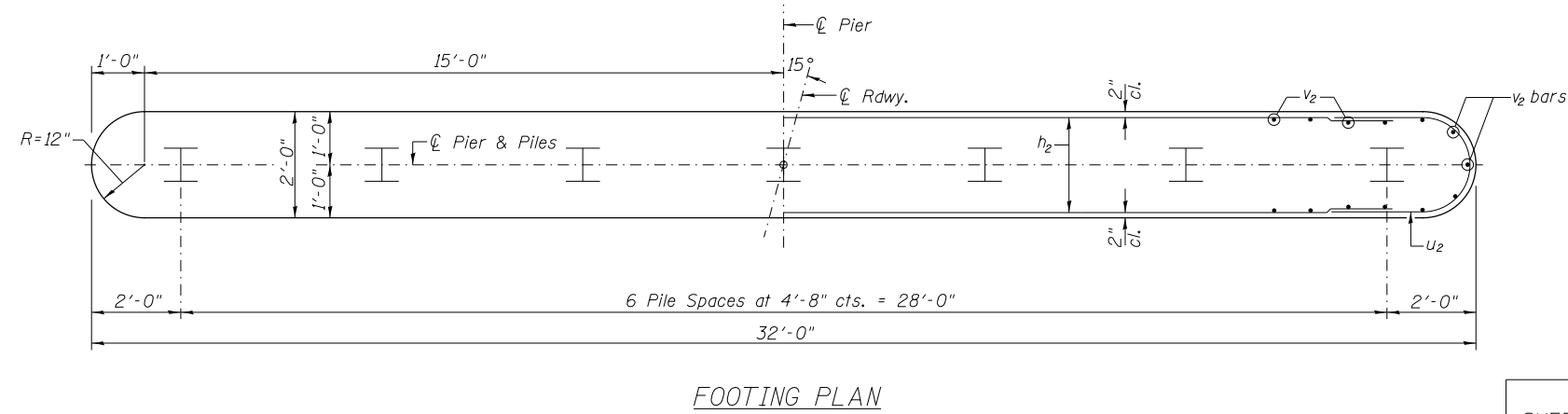
TWO PIERS
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h ₂	84	#5	29'-9"	—
p ₁	20	#7	32'-9"	—
s	72	#4	10'-5"	□
u ₁	12	#6	11'-7"	□
u ₂	84	#5	6'-8"	□
v ₂	136	#5	20'-7"	—
Concrete Structures			CU YD	111.6
Reinforcement Bars			POUND	8,160
Cofferdam Excavation			CU YD	155
Furnishing Steel Piles HP10x42			FOOT	585
Driving Piles			FOOT	585
Test Pile Steel HP10x42			EACH	1
Cofferdam (Type 1) (Location-1)			EACH	1
Cofferdam (Type 1) (Location-2)			EACH	1

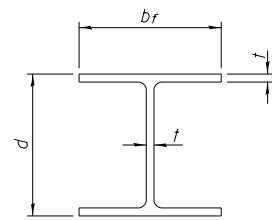


PILE DATA

Type & Size: Steel HP10x42
Nominal Required Bearing: 335 kips
Factored Resistance Available: 184 kips
Est. Length: 45' Pier #1
45' Pier #2
No. Req'd.: 14 (Includes 1 Test Pile at Pier #1)



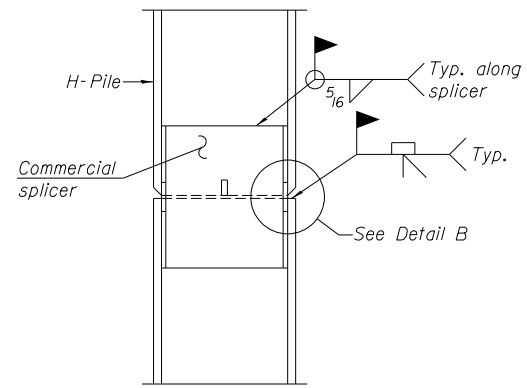
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	S.N. 066-3165		CONTRACT NO. 89734		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT AE25(403)		



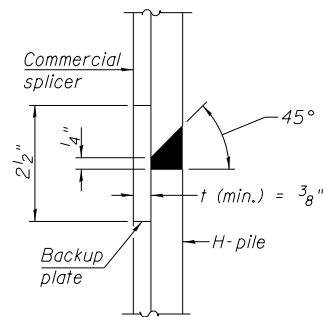
STEEL PILE TABLE

Designation	Depth d	Flange width b _f	Web and Flange thickness t	Encasement diameter
HP 14x117	14 1/4"	14 7/8"	1 3/16"	30"
x102	14"	14 3/4"	1 1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1 1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"

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

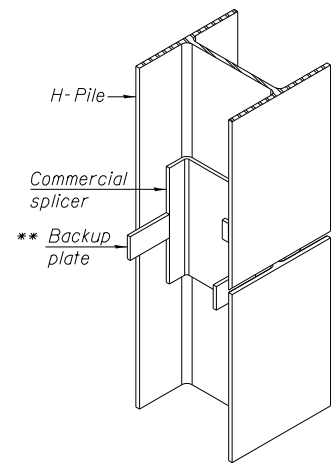


ELEVATION

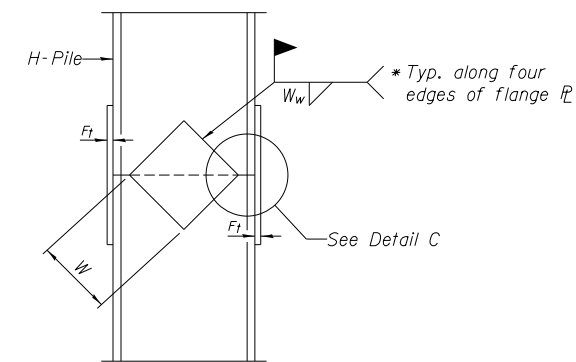


DETAIL "B"

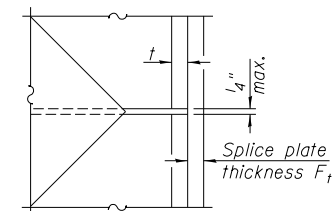
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW

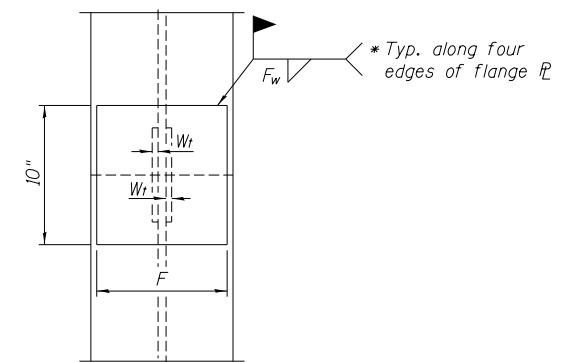


ELEVATION



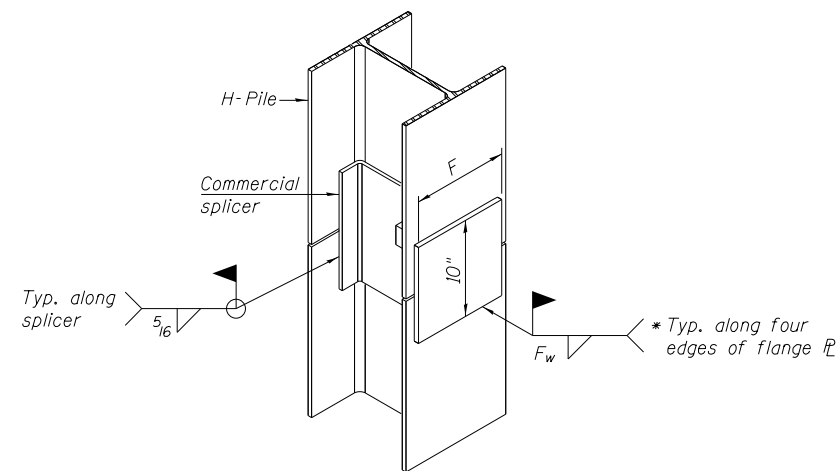
DETAIL C

WELDED PLATE FIELD SPLICE



END VIEW

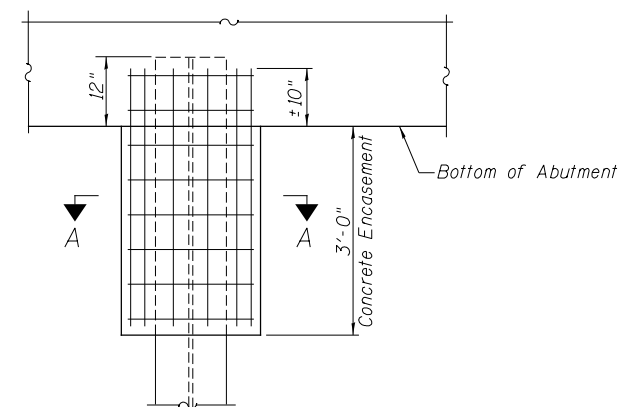
Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5/8"	1/2"
x63	10"	5/8"	1/2"	6 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"



ISOMETRIC VIEW

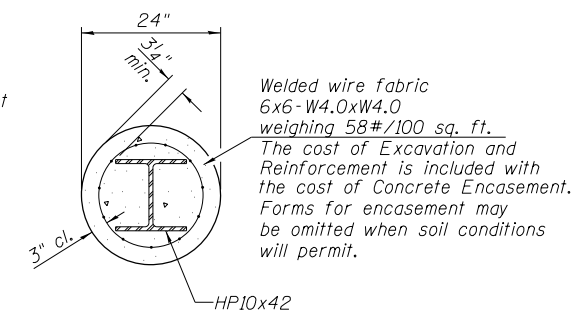
WELDED COMMERCIAL SPLICE ALTERNATE

* Interrupt welds 1/4" from end of web and/or each flange.
** Remove portions of backup plates that extend outside the flanges.



ABUTMENT ELEVATION

PILE ENCASEMENT



SECTION A-A

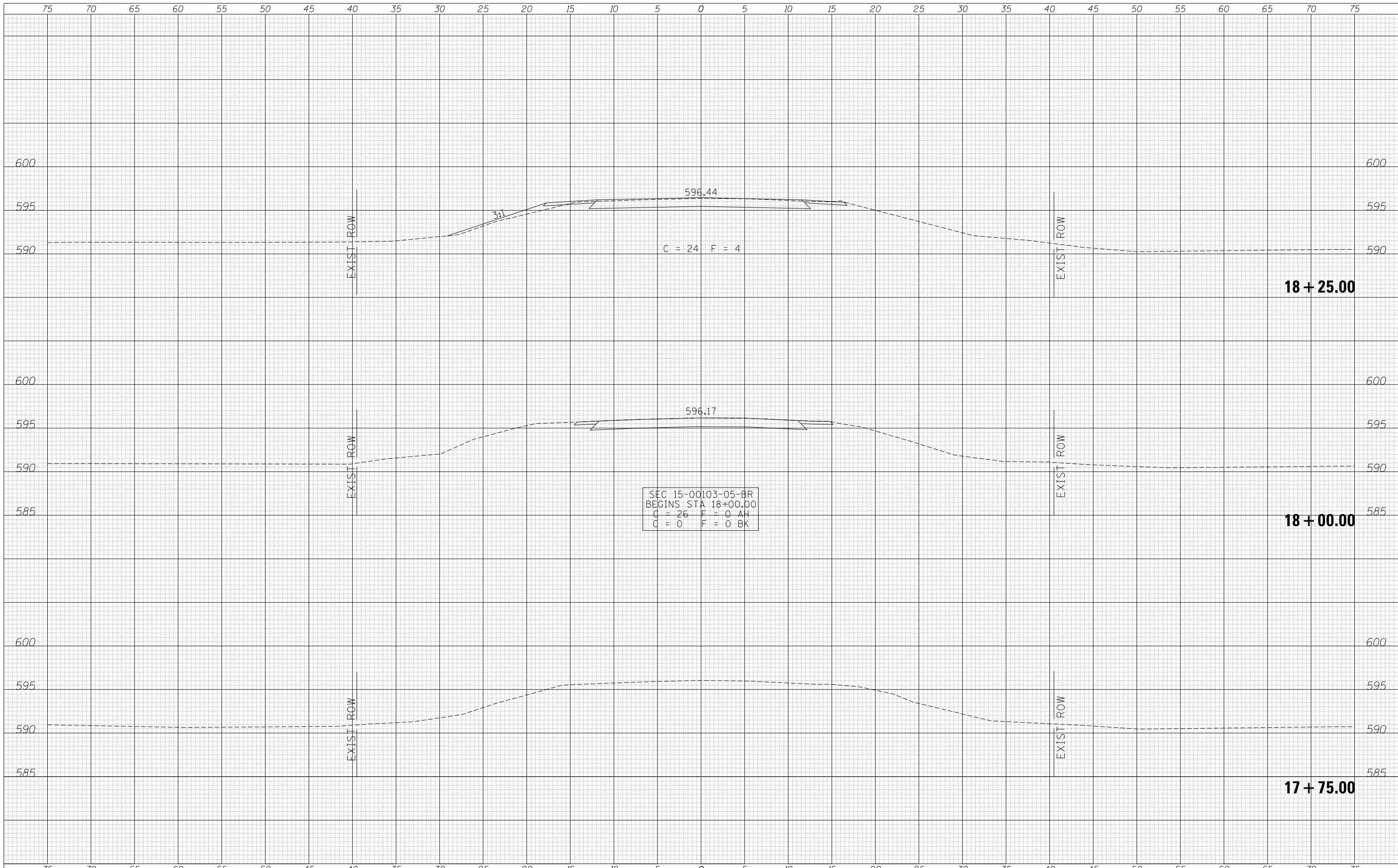
PILE DETAILS
MERCER COUNTY

SECTION 15-00103-05-BR
C.H. 9 OVER CAMP CREEK

SHEET NO. 10	F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
10 SHEETS	212	15-00103-05-BR	MERCER	21	16
S.N. 066-3165			CONTRACT NO. 89734		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT AE25(403)		

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS
	CHECKED



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 USER NAME = JHutchison
 SHEETS\4052.shts.dgn
 PLOT SCALE = 10.0000' / in.
 PLOT DATE = 9/26/2017

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**MERCER COUNTY
 COUNTY HIGHWAY 9
 OVER CAMP CREEK**

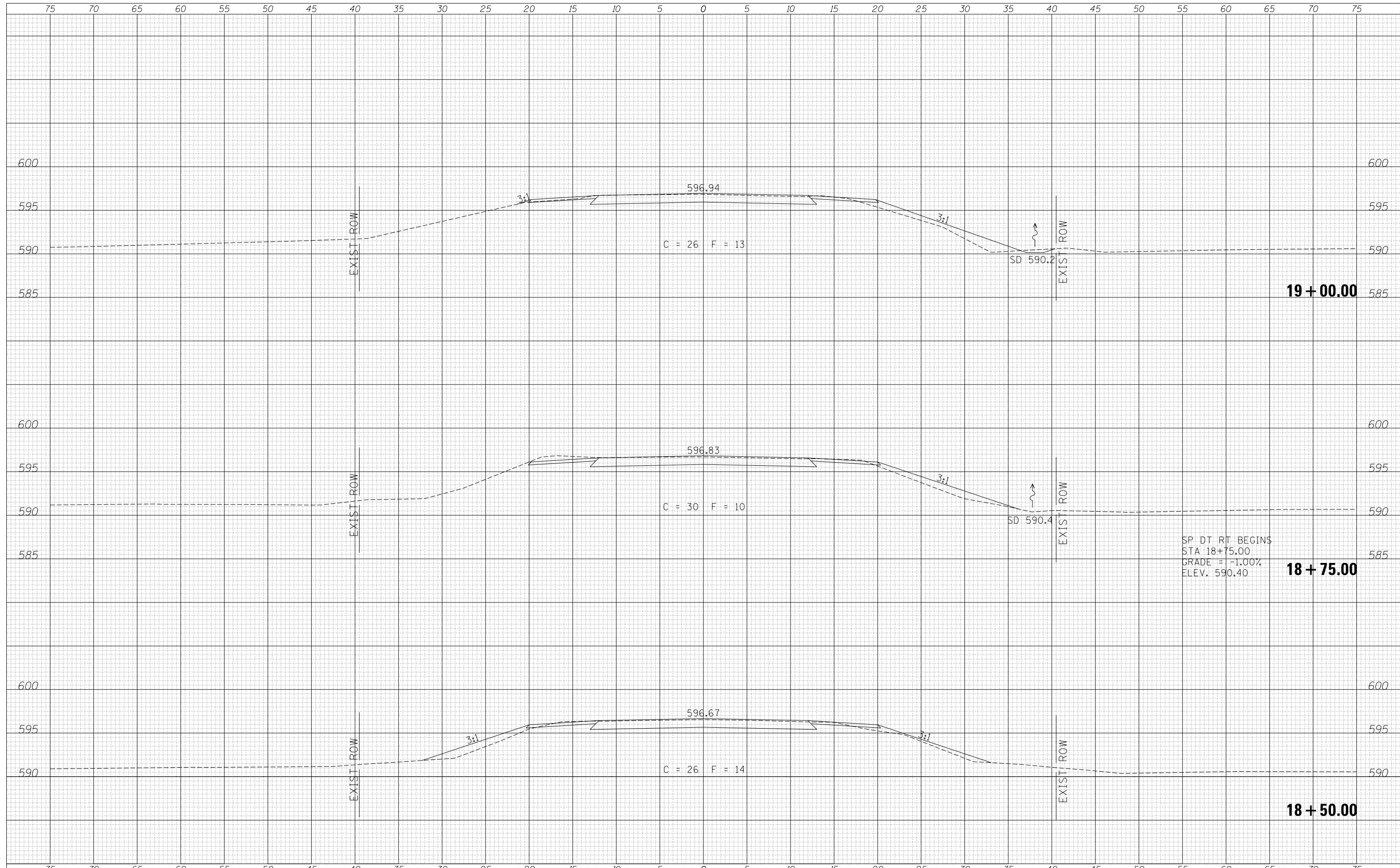
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CROSS SECTIONS

F.A.S. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	15-00103-05-BR	MERCER	21	17
FED. ROAD DIST. NO. 7 ILLINOIS		CONTRACT NO. 89734		
		FED. AID PROJECT AE25(403)		

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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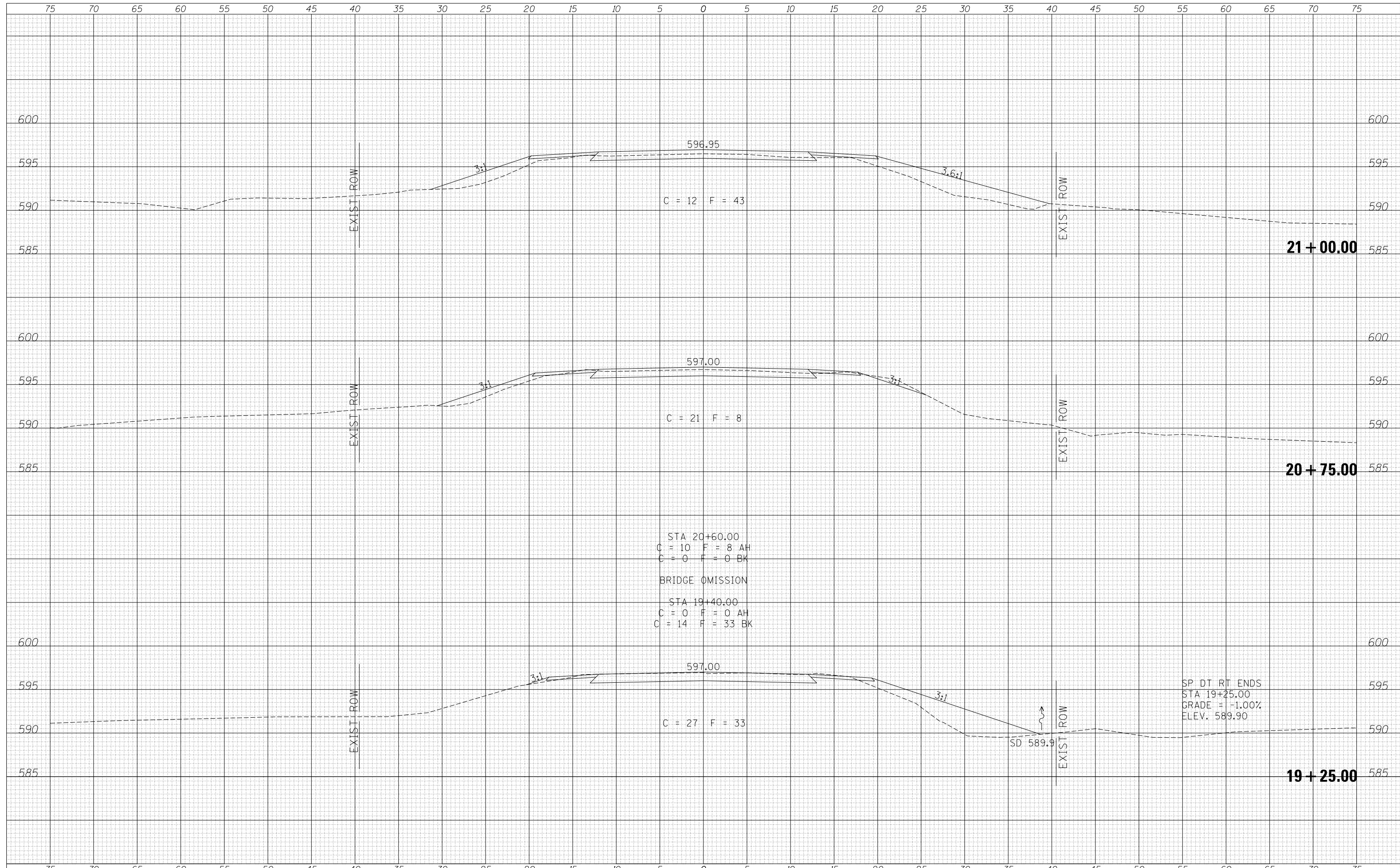


SP DT RT BEGINS
 STA 18+75.00
 GRADE = -1.00%
 ELEV. 590.40

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MODELNAME	Sheets\4052\shs.dgn	DRAWN -	REVISIED -		SCALE: 1"=5'	SHEET 2	OF 5 SHEETS	STA. 18+50.00	TO STA. 19+00.00	CONTRACT NO. 89734		
	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -		FED. ROAD DIST. NO. 7 ILLINOIS							
	PLOT DATE = 9/26/2017	DATE -	REVISIED -		FED. AID PROJECT AE25(403)							

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	
NOTE BOOK AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
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NOTE BOOK AREAS CHECKED	

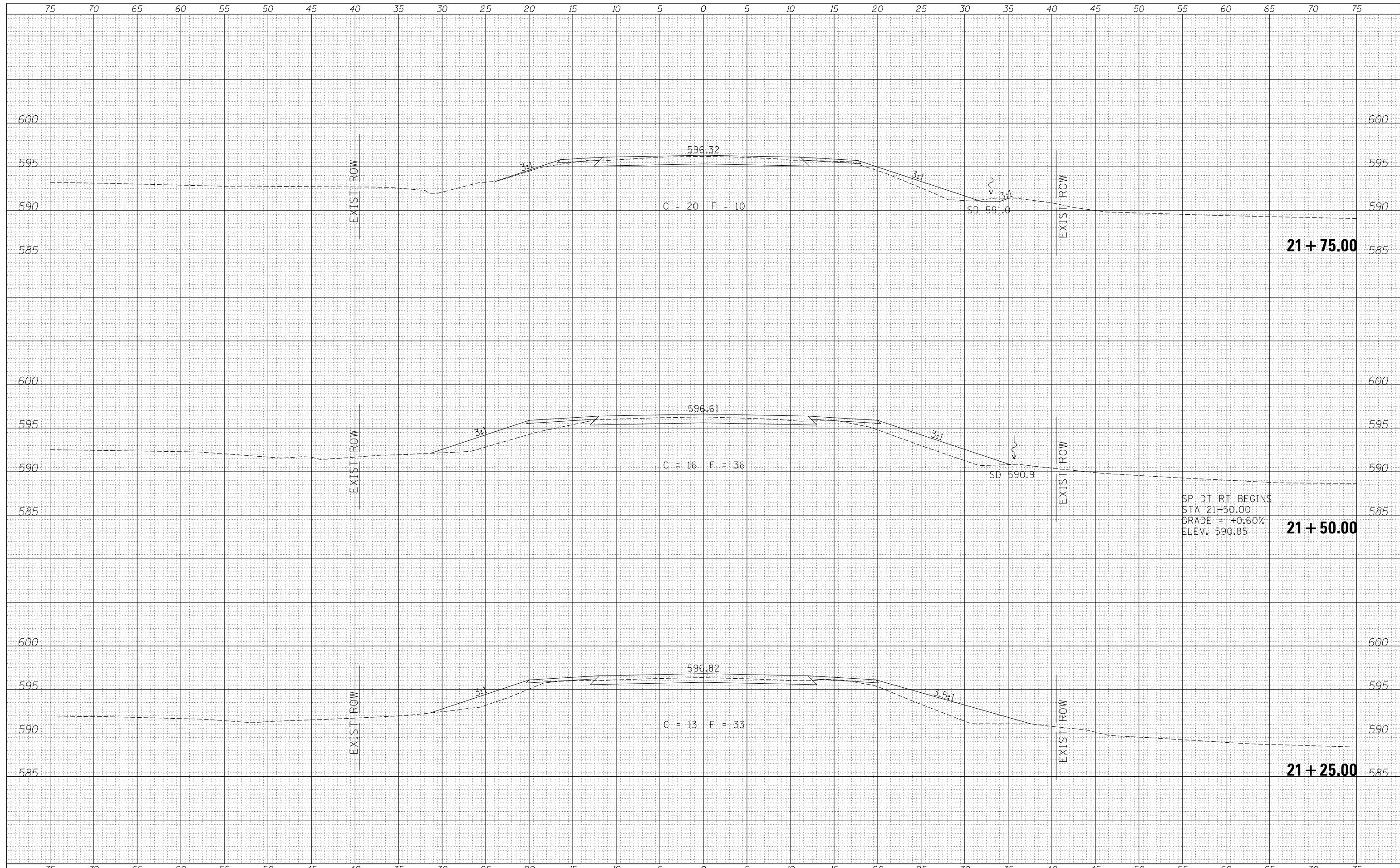


STA 20+60.00
 C = 10 F = 8 AH
 C = 0 F = 0 BK
 BRIDGE OMISSION
 STA 19+40.00
 C = 0 F = 0 AH
 C = 14 F = 33 BK

SP DT RT ENDS
 STA 19+25.00
 GRADE = -1.00%
 ELEV. 589.90

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	
NOTE BOOK AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	
NOTE BOOK AREAS CHECKED	



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 PLOT DATE = 9/26/2017

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**MERCER COUNTY
 COUNTY HIGHWAY 9
 OVER CAMP CREEK**

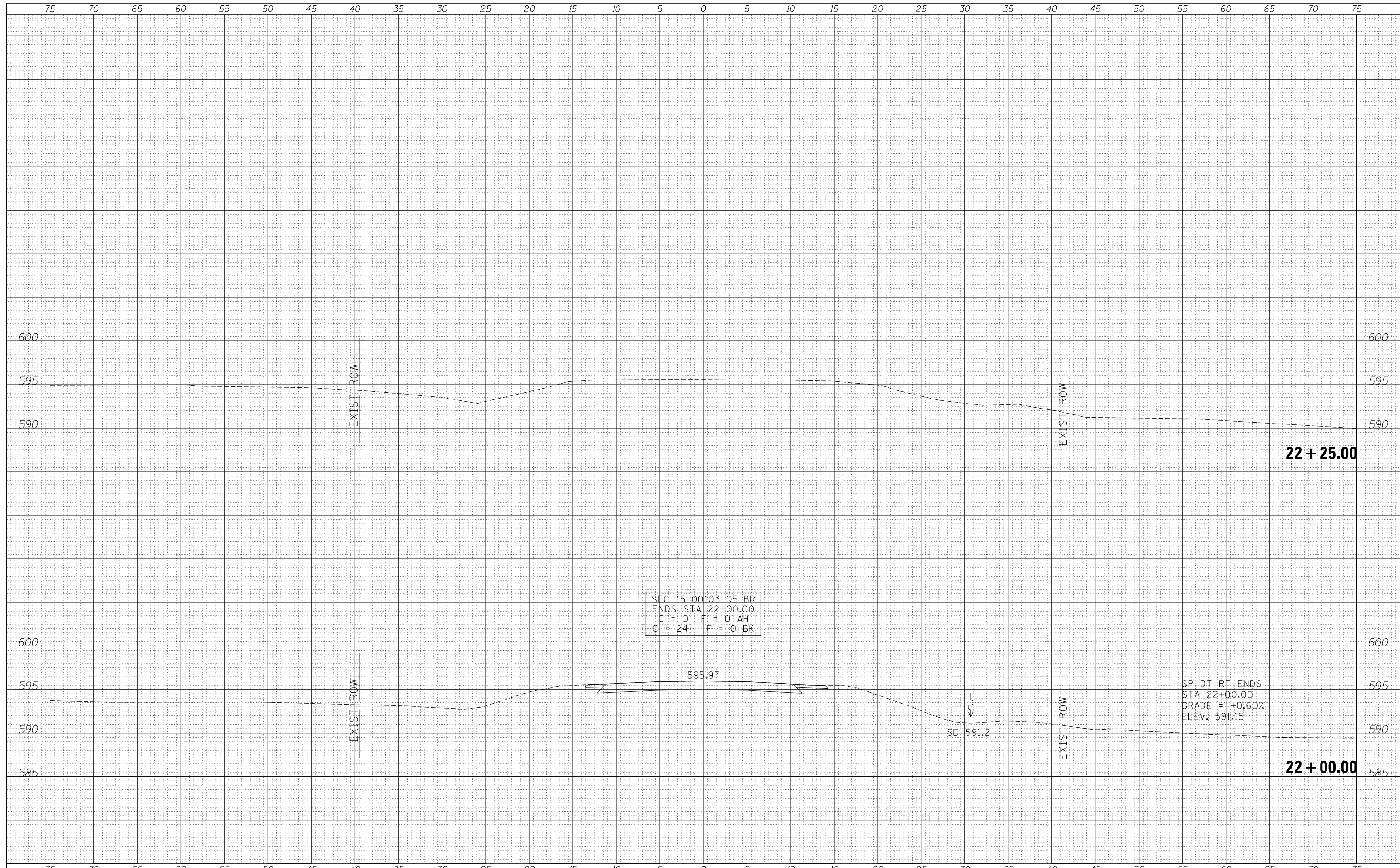
CROSS SECTIONS

SCALE: 1"=5' SHEET 4 OF 5 SHEETS STA. 21+25.00 TO STA. 21+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	15-00103-05-BR	MERCER	21	20
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 89734	
FED. AID PROJECT AE25(403)				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



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USER NAME = JHutchison
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 PLOT DATE = 9/26/2017

DESIGNED -	REVISIED -
DRAWN -	REVISIED -
CHECKED -	REVISIED -
DATE -	REVISIED -

**MERCER COUNTY
 COUNTY HIGHWAY 9
 OVER CAMP CREEK**

CROSS SECTIONS

SCALE: 1"=5' SHEET 5 OF 5 SHEETS STA. 22+00.00 TO STA. 22+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
212	15-00103-05-BR	MERCER	21	21
CONTRACT NO. 89734				
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT AE25(403)				