

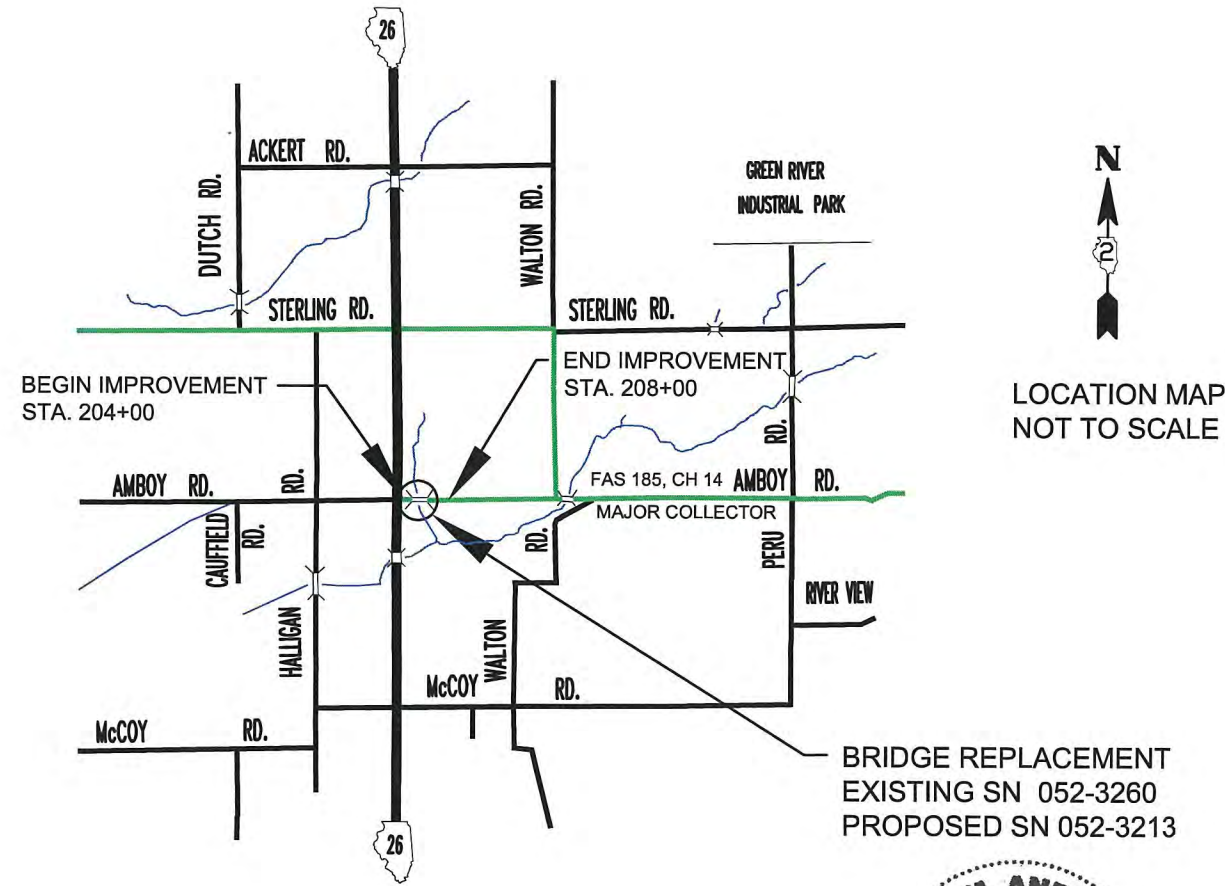
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- STANDARDS**
- STD. 515001-03 NAME PLATE FOR BRIDGES
  - STD. 630001-12 STL PL BM GUARDRAIL
  - STD. 630301-08 SHLDR WIDENING FOR TY 1 GDRAIL TERM
  - STD. 631032-09 TRAFFIC BARRIER TERM TY 6A
  - STD. 701001-02 OFF-RD OPER, 2L, 2W, MORE THAN 15' AWAY
  - STD. 701006-05 OFF-RD OPER, 2L, 2W 15' TO 24' FROM PAVEMENT EDGE
  - STD. 701301-04 LANE CLOSURE, 2L,2W, SHORT TIME OPER
  - STD. 701311- 03 LANE CLOSURE 2L,2W MOV OPER- DAY ONLY
  - STD. 701901-07 TRAFFIC CONT DEVICES
  - BLR 21-9 TYP APPL OF TRAF CONT DEVICES FOR CONST ON RURAL LOCAL HIGHWAYS

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
FEDERAL AID PROJECT  
HIGHWAY BRIDGE PROGRAM**

FAS ROUTE 185 (CH 14-AMBOY RD.)  
SECTION 17-00333-00-BR  
PROJECT GXDV (397)  
LEE COUNTY  
JOB NO. C-92-035-17



BRIDGE REPLACEMENT  
EXISTING SN 052-3260  
PROPOSED SN 052-3213

GROSS/ NET LENGTH = 400 FT. = .08 MILES

FUNCTIONAL CLASSIFICATION  
RURAL MAJOR COLLECTOR  
2018 ADT = 450 10% TRUCKS

DAVID M. ANDERSON  
052-058667  
REGISTERED  
PROFESSIONAL  
ENGINEER  
STATE OF ILLINOIS  
Exp. 11/30/2019

LEE COUNTY HIGHWAY DEPARTMENT	
Approved	12/28/2017 <i>D. M. Anderson</i> Lee County Engineer
Passed	1/3/18 <i>Andy M. Baugh</i> District LOCAL ROADS Engineer
Releasing For Bid Based on Limited Review	<i>K. March</i> Deputy Director of Highways, Region 2 Engineer

OPERATES  
24 Hours  
365 Days

CALL JULIE 1-800-892-0123  
WITH THE FOLLOWING:  
LEE COUNTY  
MARION TOWNSHIP  
SW CORNER of NW 1/4 of SEC. # 22  
R9 E, T20 N  
( Appx. 41d42'26.90"N 89d27'20.29" W)  
48 Hours Before You Dig  
EXCLUDING SAT., SUN., & HOLIDAYS

DISTRICT 2  
CONTRACT NO. 85664

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0185	17-00333-00-BR	LEE	17	1
LEE COUNTY HW DEP'T		CONTRACT NO.		
CONTRACT NO. 85664	ILLINOIS	FED. AID PROJECT GXDV (397)		

SUMMARY OF QUANTITIES  
CONSTRUCTION TYPE CODE: 0010

CODE	DESCRIPTION	UNIT	QUANTITY
20300100	CHANNEL EXCAVATION	CY	100
20400800	FURNISHED EXCAVATION	CY	14
20700110	POROUS GRANL EMBANKMENT	TONS	220
25100630	EROSION CONTROL BLANKET	SY	1620
28100809	STONE DUMP RIP RAP, CL A5,	TONS	120
35101400	AGGREGATE BASE COURSE, TYPE B	TONS	40
40600290	BITUMINOUS MATERIALS (TACK COAT)	LBS	400
40800050	INCIDENTAL HOT-MIX ASPHALT SURF	TONS	189
48101200	AGGREGATE SHOULDERS, TYPE B	TONS	180
50100100	REMOVAL OF EXIST STRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CY	46.7
50300260	BRIDGE DECK GROOVING	SY	118
50300300	PROTECTIVE COAT	SY	140
50400305	P P CONC DECK BEAMS 17" DP	SQ FT	1080
50800205	REINFORCEMENT BARS, EPOXY COAT	LBS	6008.7
* 50901050	STEEL RAILING, TYPE SM	FT	82
51200958	FURNISH METAL SHELL PILE, 14"X 0.250"	FT	340
51202305	DRIVING PILES	FT	340
51203200	TEST PILE METAL SHELL	EACH	1
51500100	NAME PLATE	EACH	1
542C0229	PIPE CULVERT, CLASS C, TYPE 1, 24"	FT	30
* 63000001	STEEL PL BM GD RAIL, TY A 6FT POSTS	FT	150
* 63100087	TRAFFIC BARRIER TERM, TYPE 6A	EA	4
* 63100167	TRAFFIC BAR TRM, T1, (SPCL) TANGENT	EA	4
* 63200310	GUARDRAIL REMOVAL	FT	190
67100100	MOBILIZATION	LS	1
* 72501000	TERM MARKER DIRECT APPLIED	EA	4
* 78200005	GUARDRAIL REFLECTORS TYPE A	EA	10
X2020410	EARTH EXCAVATION (SPECIAL)	CY	100
X2501000	SEEDING CLASS 2, (SPECIAL)	ACRE	0.33
X4401198	HOT-MIX ASPHALT SURF REM, VAR DEP	SY	920
X5030305	CONCRETE WEAR SURFACE 5"	SY	127.2
X7010216	TRAF CONTR & PROTECTION, (SPECIAL)	LS	1
Z0013798	CONSTRUCTION LAYOUT STAKES	LS	1

\* SPECIALTY ITEMS

GENERAL NOTES:

The final top four inches of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils. The cost of this work shall be included in the initial prices bid and no additional compensation will be allowed.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The contractor shall seed all disturbed areas within the project limits. See the Special Provisions for Class 2A (Special). Erosion Control Blanket shall be applied over all seeded areas.

All embankment constructed of cohesive soil shall be constructed with not more than 110% of optimum moisture content, determined by the standard proctor test. Cohesive soil shall be defined as any soil which contains greater than 10% particles by weight passing the 75 µm (#200 sieve). The 100% of optimum moisture limit may be waived in free-draining granular material when approved by the Engineer.

The area to be primed shall be limited to that which can be covered with HMA on the next days productivity, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

The new number for this structure will be 052-3213.

Culvert & Bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

Utilities: The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. J.U.L.I.E. has indicated there are no underground utilities in the work area.

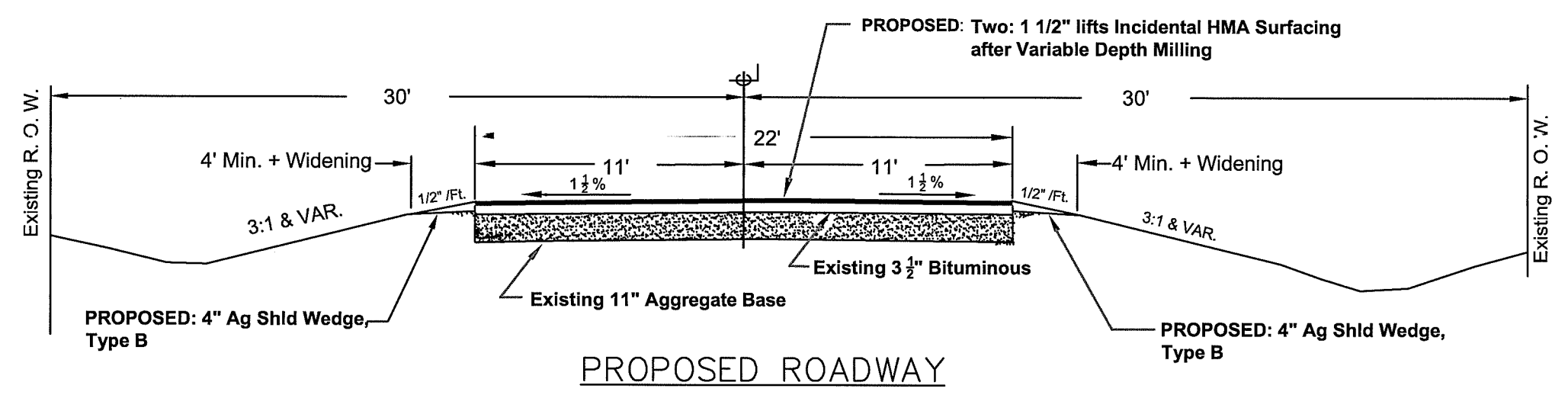
Subcontractors:

The Contractor shall designate those Pay Items which are to be subcontracted and provide the name and address of the subcontractor, and their source/location, prior to the start of work. All material must be from an IDOT approved source.

DISTRICT 2  
CONTRACT NO. 85664

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185	17-00333-00-BR	LEE	17	2
AMBOY ROAD BRIDGE				
SUMMARY OF QUANTITIES				

TYPICAL SECTION  
 STATION 204+00 to 205+84.55  
 STATION 206+25.45 to 208+00



SCHEDULE OF QUANTITIES:

TRAFFIC BARRIER TERMINAL, TYPE 6A (EACH)

205+48.53 RT to 205+92.63 RT	1
206+33.53 RT to 206+77.63 RT	1
205+32.37 LT to 205+76.47 LT	1
206+17.37 LT to 206+61.47LT	$\frac{1}{4}$

TRAFFIC BARRIER TERMINAL TYPE 1, SPCL. TANGENT (EACH)

204+23.53 RT to 204+73.53 RT	1
206+77.63 RT to 207+27.63 RT	1
204+82.37 LT to 205+32.37 LT	1
207+36.47 LT to 207+86.47 LT	$\frac{1}{4}$

STEEL PLATE BEAM GUARDRAIL, TYPE A (FT)

204+73.53 RT to 205+48.53 RT	75
206+61.47 LT to 207+36.47 LT	$\frac{75}{4}$
	150

NAMEPLATE (EACH)

205+95 RT, 16' RT	1
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HMA SURFACE REMOVAL, VARIABLE DEPTH (SY)

204+00 to 205+84.55	432
206+25.45 to 208+00	488
	920

Mixture Use:	Surface
PG:	PG 64-22
Design Air Voids	4.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5
Friction Aggregate	C
20 Year ESAL	0.2
Mix Unit Weight	112 LBS / SY / IN.

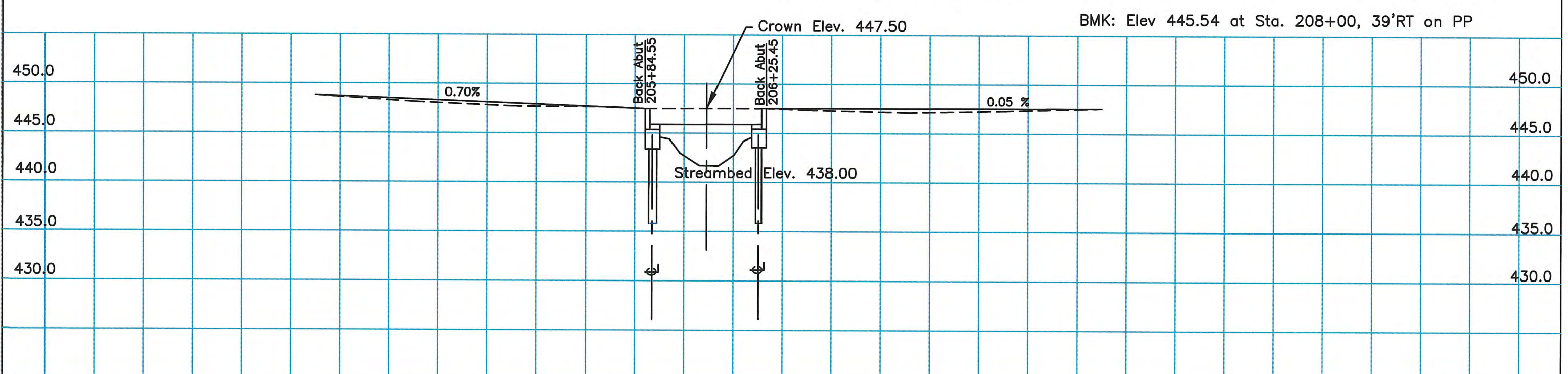
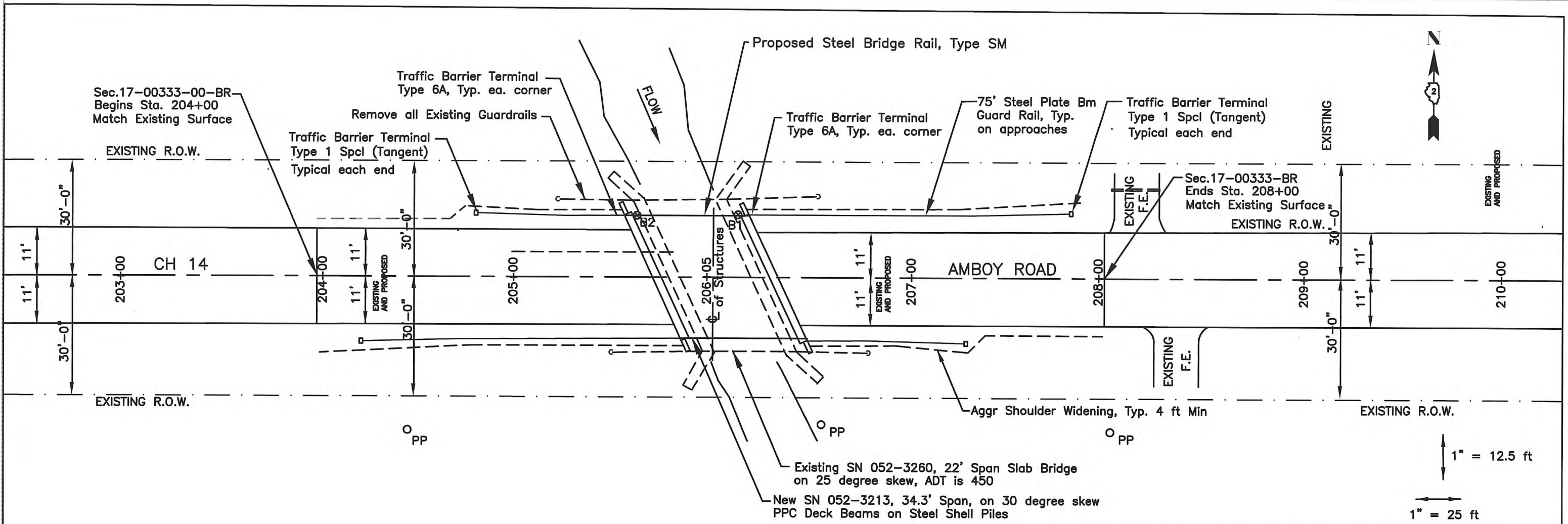
FAS 185  
 SEC. 17-00333-00-BR  
 BUILT 2018  
 LEE COUNTY  
 LOADING HL-93  
 STR. NO. 052-3213

LETTERING FOR NAME PLATE

STANDARD 515001

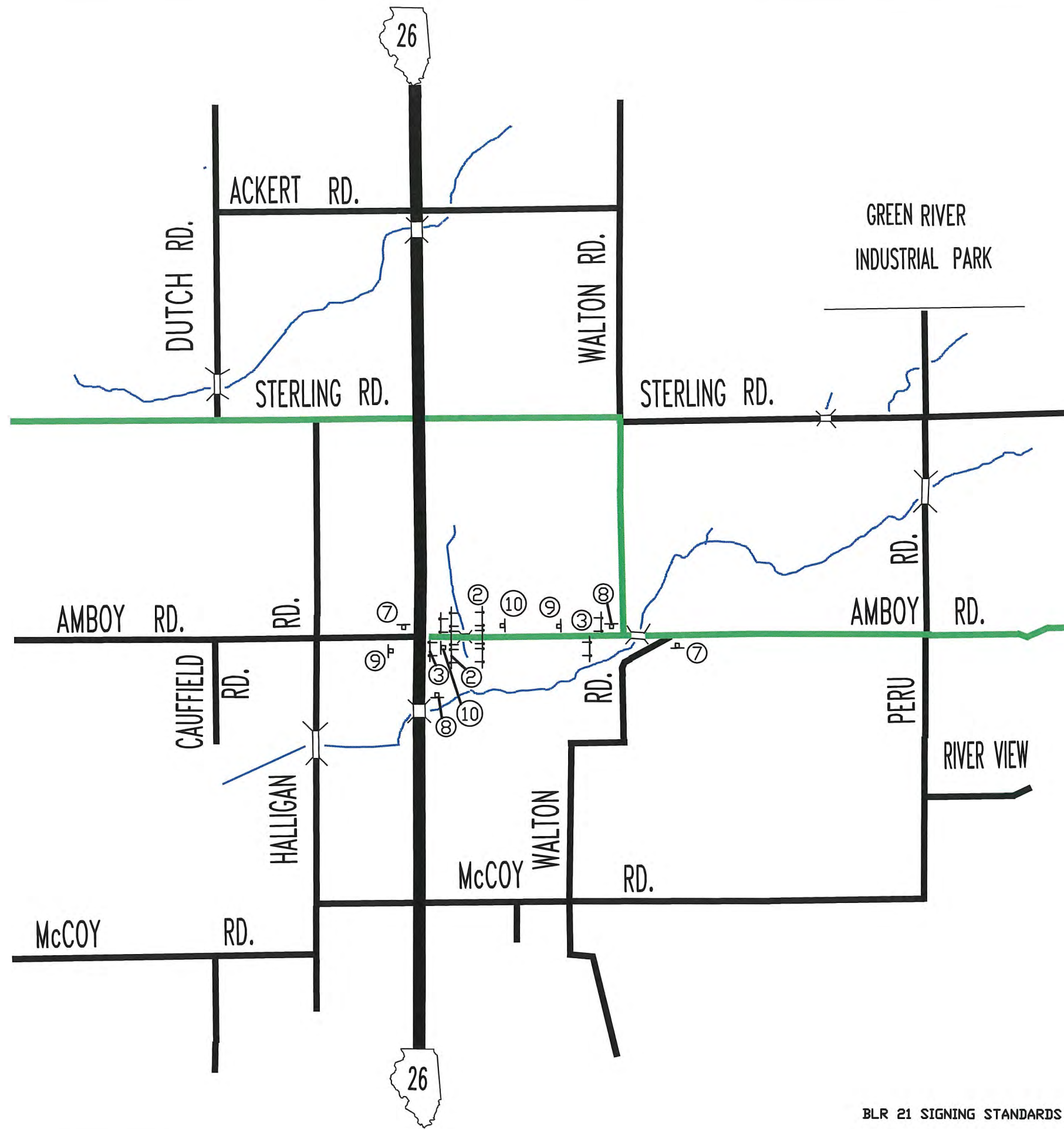
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185	17-00333-00-BR	LEE	17	3
AMBOY ROAD BRIDGE				
ROADWAY SECTION, QTY. SCHEDULE				

DISTRICT 2  
 CONTRACT NO. 85664



DISTRICT 2	448.82	448.16	447.73	447.68	447.50	447.38	447.15	447.33	447.59
CONTRACT 85664	448.82	448.47	448.12	447.77	447.50	447.52	447.55	447.57	447.59
	204+00	204+50	205+00	205+50	206+05	206+50	207+00	207+50	208+00

REVISED 12-15-17 - NWS				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185	17-00333-00-BR	LEE	17	4
AMBOY ROAD BRIDGE AT BRANCH OF MAIN DITCH				
PLAN AND PROFILE				



② **ROAD CLOSED**  
R11-2-4830

③ **ROAD CLOSED 1 MILE AHEAD**  
LOCAL TRAFFIC ONLY  
R11-3a-6030

⑦ **ROAD CLOSED AHEAD**  
W20-3(0)48  
W/ DIRECTION ARROW  
W1-6

⑧ **ROAD CLOSED AHEAD**  
W20-3(0)48  
W/ DIRECTION ARROW  
W1-6

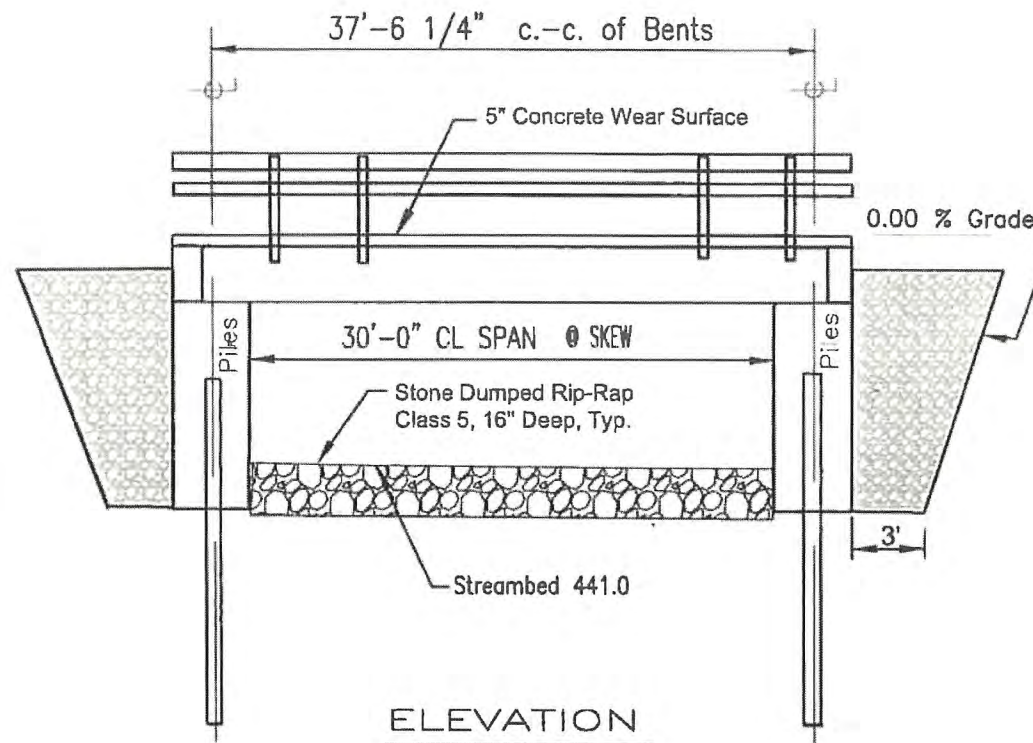
⑨ **ROAD CLOSED AHEAD**  
W20-3

⑩ **ROAD CLOSED 500 FT.**  
W20-3

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185	17-00333-00-BR	LEE	17	5
AMBOY ROAD BRIDGE				
TRAFFIC CONTROL PLAN				

DISTRICT 2  
CONTRACT 85664

BLR 21 SIGNING STANDARDS TO BE USED



ELEVATION

Porous Granular Backfill, CA-6  
Compacted in 8" lifts; end to end  
of Wing Walls

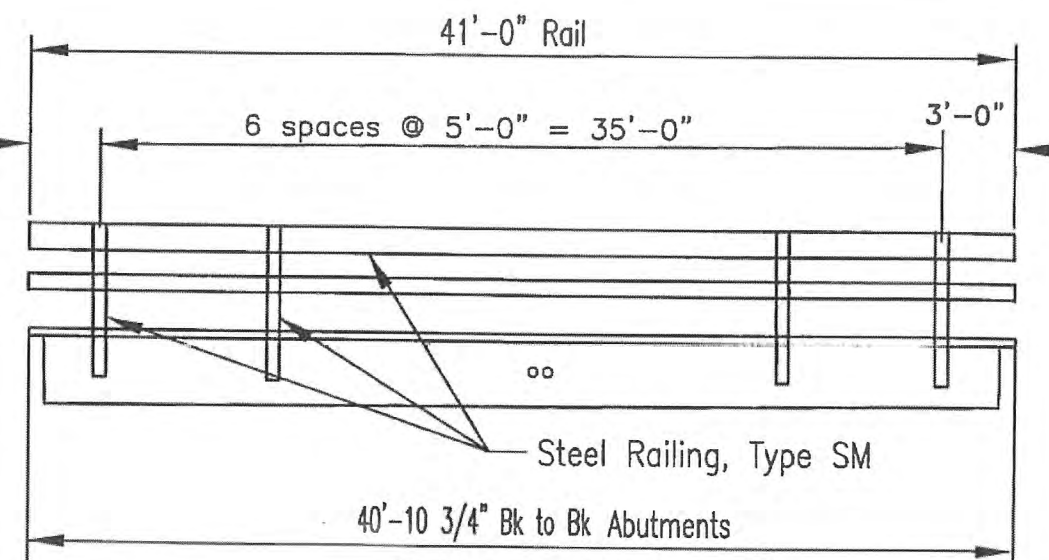
WATERWAY INFORMATION

Drainage Area= 1.57 SM Low Grade Elev.=447.50 @ Sta. 206+05

Flood	Freq. Yr.	Q CFS	Opening SF		Nat. H.W.E.	Head - Ft.		Headwater El	
			Exist	Prop		Exist	Prop	Exist	Prop
Design	20	273	144	166	441.53	0.7	0.8	442.22	442.32
Base	100	424	144	166	442.12	0.9	1.3	443.06	443.40

PILE DATA INFORMATION

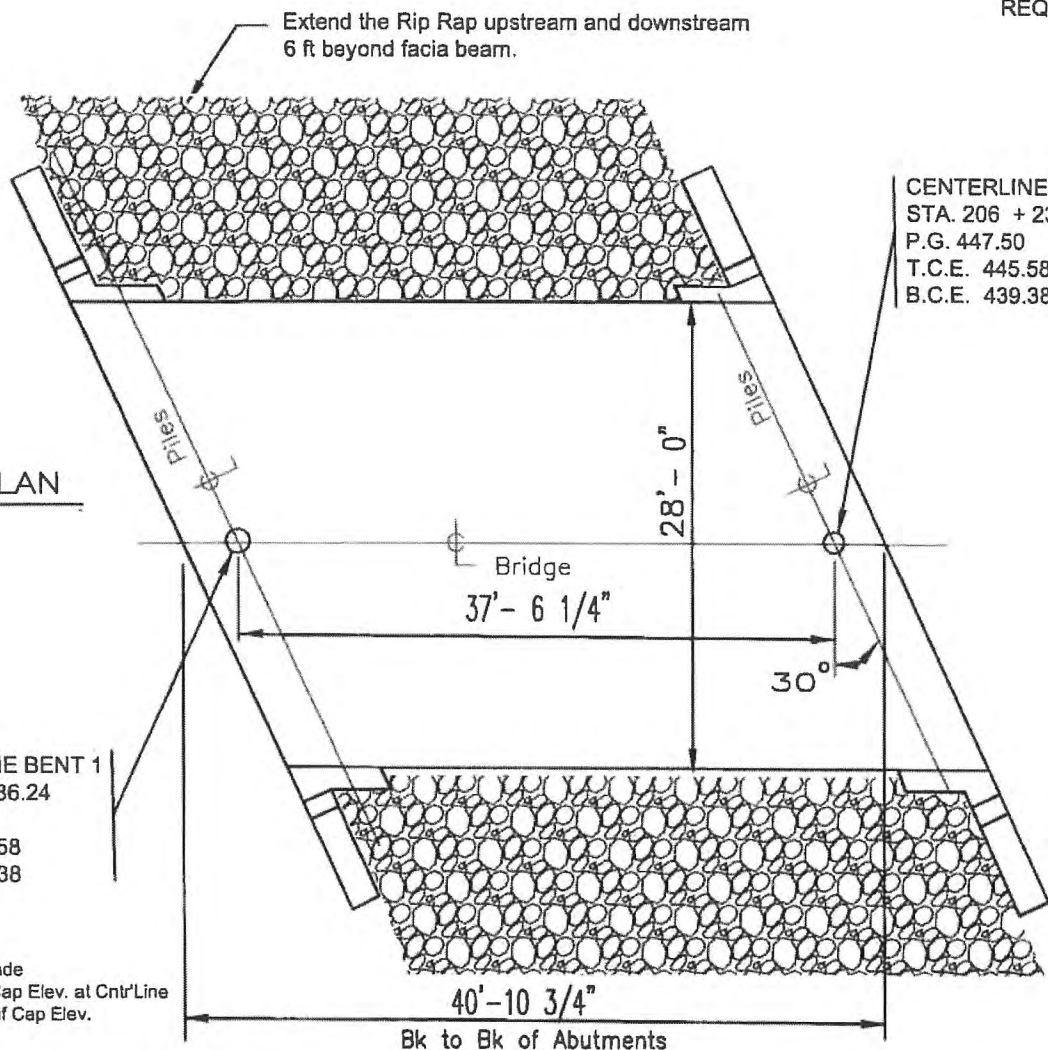
TYPE AND SIZE: METAL SHELL 14" DIA, X 0.25" WALLS  
NOMINAL REQUIRED BEARING 280 KIPS  
ALLOWABLE RESISTANCE AVAILABLE  
QTY REQUIRED: 9 + 1 TEST PILE (EAST)  
ESTIMATED PILE LENGTH:  
WEST ABUTMENT: 36 FT. EACH  
EAST ABUTMENT: 40 FT. EACH  
MINIMUM PENETRATION: 15 FT BELOW STREAMBED  
METAL SHELL PILES SHALL BE ACCORDING TO ASTM A252 GRADE 3  
THE TEST PILES SHALL BE DRIVEN TO 110 PERCENT OF THE NOMINAL  
REQUIRED BEARING INDICATED IN THE PILE DATA INFORMATION



RAIL ELEVATION

FAS 185  
SEC. 17-00333-00-BR  
BUILT 2018  
LEE COUNTY  
LOADING HL-93  
STR. NO. 052-3213

LETTERING FOR NAME PLATE



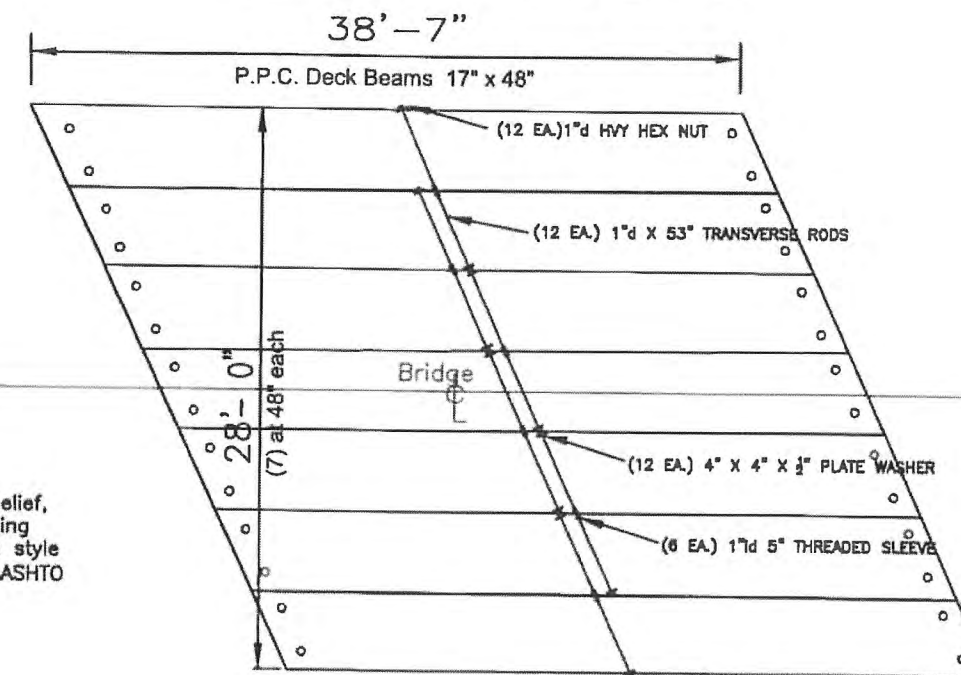
PLAN

DESIGN SPECIFICATIONS  
2012 AASHTO LRFD Bridge Design Specifications  
and all applicable interims.  
LOADING HL-93  
Allow 50#/sq. ft. for future wearing surface

DESIGN STRESSES  
FIELD UNITS  
f<sub>c</sub> = 3,500 psi  
f<sub>y</sub> = 60,000 psi (Reinforcement)  
PRECAST PRESTRESSED UNITS  
f<sub>c</sub> = 6,000 psi  
f<sub>ci</sub> = 5,000 psi  
f<sub>pu</sub> = 270,000 psi (1/2" dia. Low Lax Strands)  
f<sub>pbt</sub> = 201,960 psi (1/2" dia. Low Lax Strands)

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 Bridge Design Specifications."

12/1/17  
RUSSELL L. RENNER  
081-005322  
LICENSED  
STRUCTURAL  
ENGINEER  
STATE OF ILLINOIS  
U.C. EXP. 11/30/18



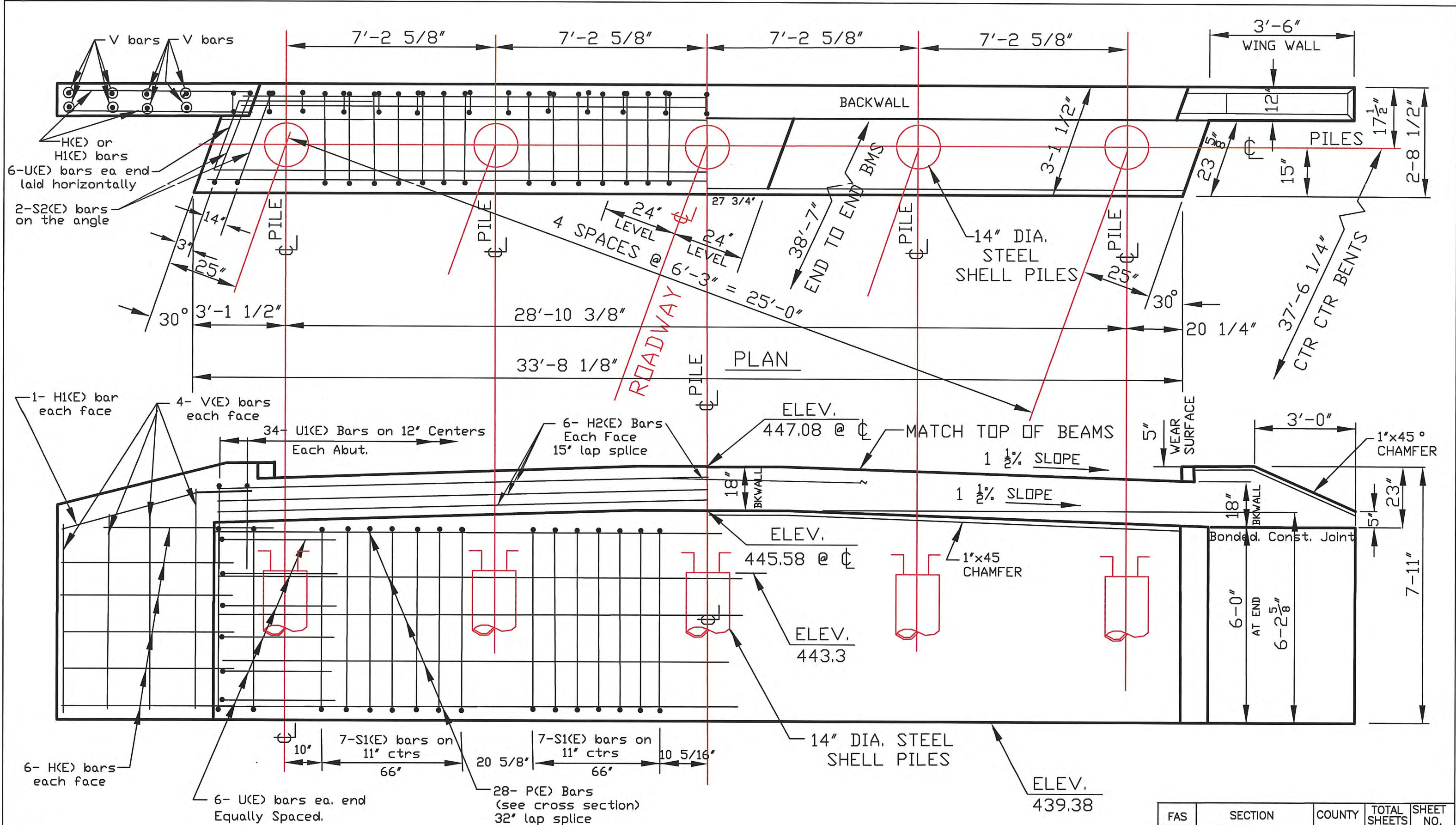
BEAM PLAN

BEAM DRAIN HOLES SHALL BE FULLY OPEN  
PRIOR TO DELIVERY TO THE SITE.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185	17-0033-00-BR	LEE		6
AMBOY ROAD BRIDGE				
GENERAL PLAN AND ELEVATION				

P.G. = Profile Grade  
T.C.E. = Top of Cap Elev. at Cntr'Line  
B.C.E. = Bottom of Cap Elev.





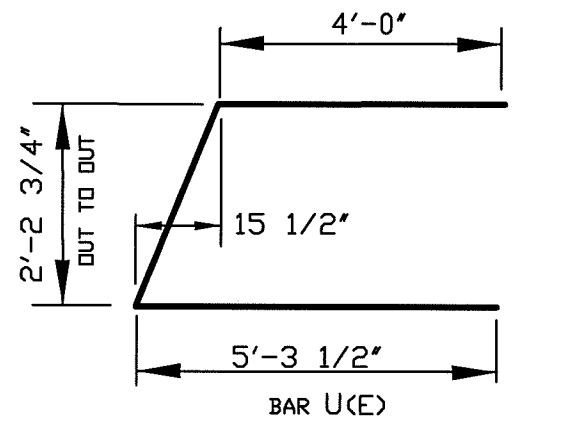
NOTES:  
 THE BACKWALL SHALL BE CAST AGAINST THE IN-PLACE BEAMS.  
 TRIM THE V BARS IN THE FIELD TO SUIT.  
 ALL BARS MUST HAVE 2" CLEARANCE WITH CONCRETE SURFACES.

ABUTMENT ELEVATION

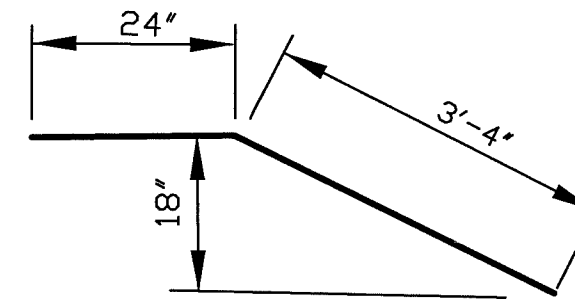
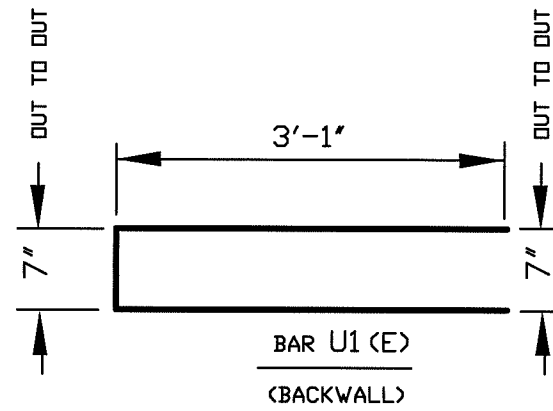
DISTRICT 2  
 CONTRACT 85664

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185	17-00333-00-BR	LEE	17	8
AMBOY ROAD BRIDGE				
ABUTMENT ELEVATION REINFORCEMENT				

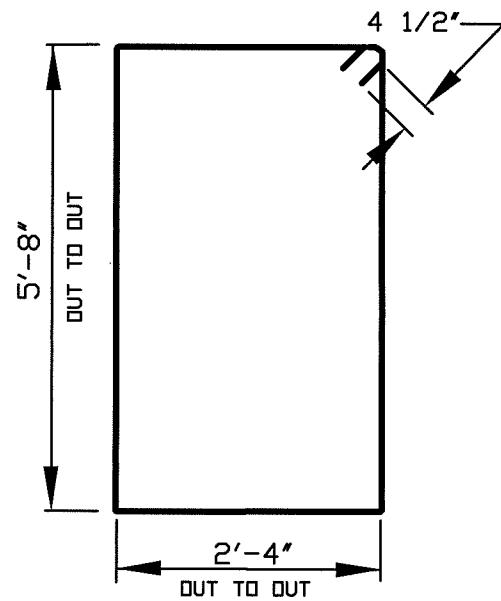




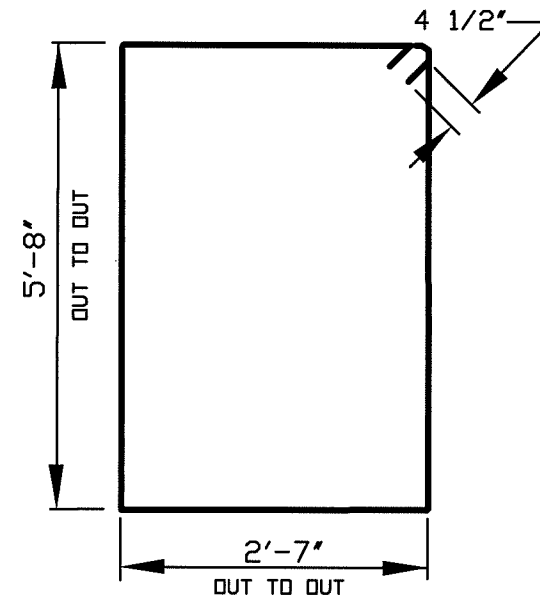
(HORIZONTAL IN END OF ABUTMENT)



BAR H<sub>1</sub>(E)  
(WING WALL)



BAR S1(E)



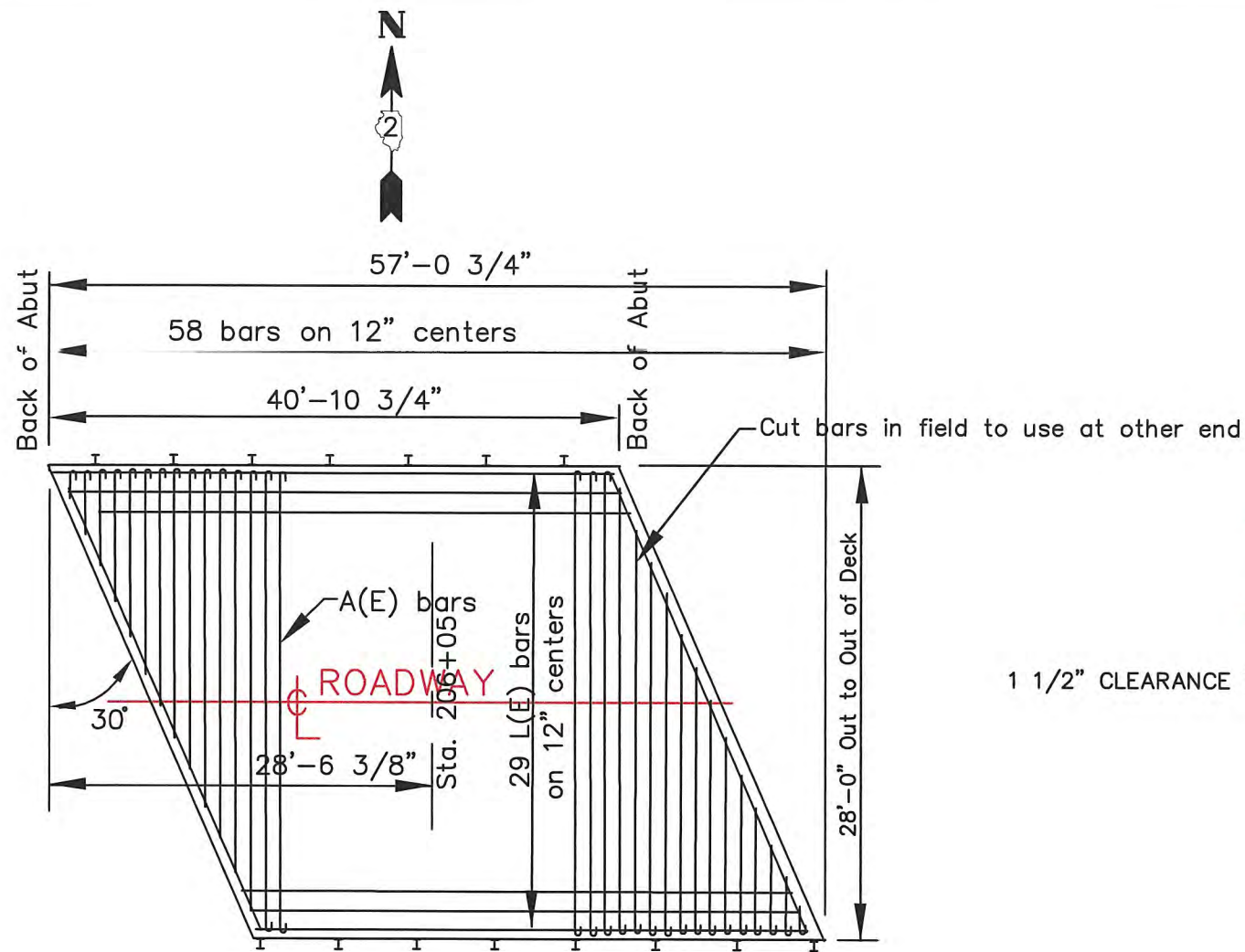
BAR S2(E)

BILL OF MATERIALS FOR TWO ABUTMENTS:

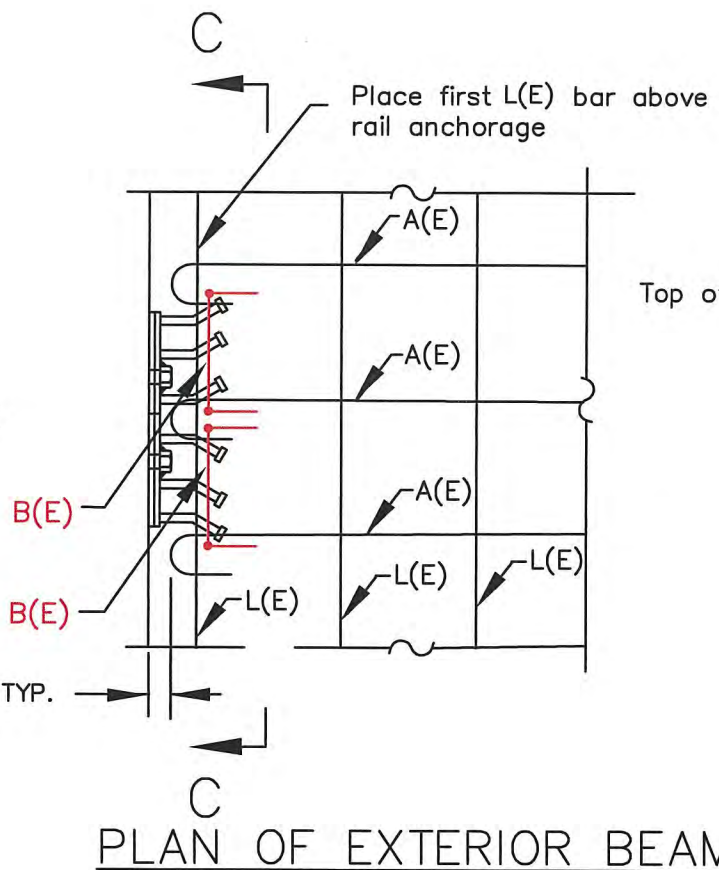
BAR	QTY	SIZE	LENGTH	SHAPE	WEIGHT
S1(E)	56	#4	16'-9"		626.6
S2(E)	8	#4	17'-3"		92.2
U(E)	24	#6	11'-10 3/8"		427.7
U <sub>1</sub> (E)	68	#4	6'-9"		310.4
H(E)	48	#4	5'-0"		160.3
H <sub>1</sub> (E)	8	#4	5'-4"		28.5
H <sub>2</sub> (E)	48	#4	17'-4"		555.8
P(E)	56	#7	18'-0"		2060.4
V(E)	32	#4	7'-6"		160.3
L(E)	29	#4	40'-6"		784.6
A(E)*	42	#4	28'-7"		801.9
REINFORCEMENT BARS (E) 6008.7 LBS					
CONCRETE STRUCTURES 46.7 CY					

NOTE: INCLUDE 2 EXTRA BARS OF SIZES #4, #6 & #7 x 6' lg. FOR I.D.O.T TESTING PURPOSES. (COST TO BE INCIDENTAL)

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185	17-00333-00-BR	LEE	17	9
AMBOY ROAD BRIDGE				
REINFORCEMENT LIST AND DETAILS				

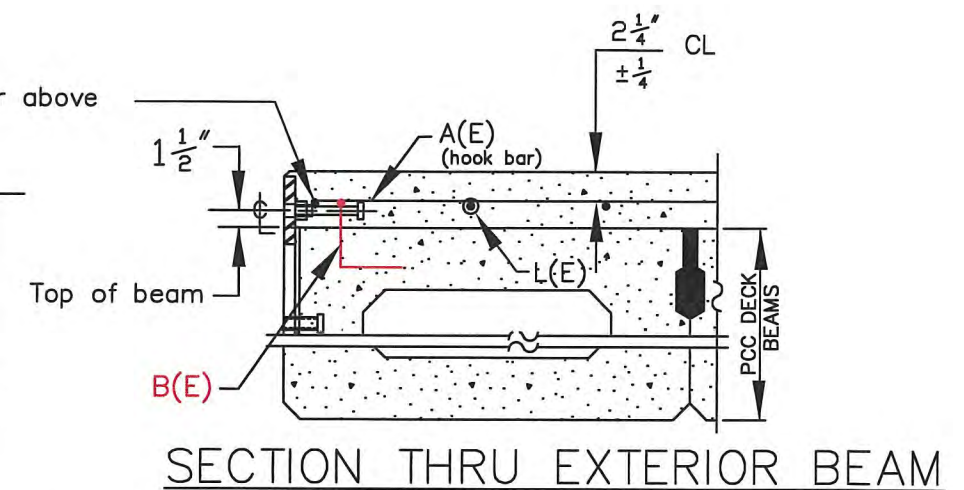


WEAR SURFACE REINFORCING PLAN

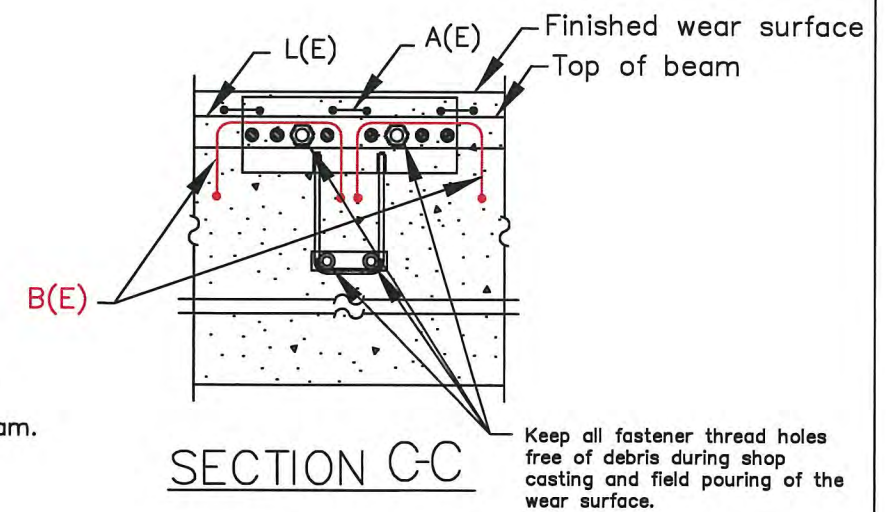


PLAN OF EXTERIOR BEAM

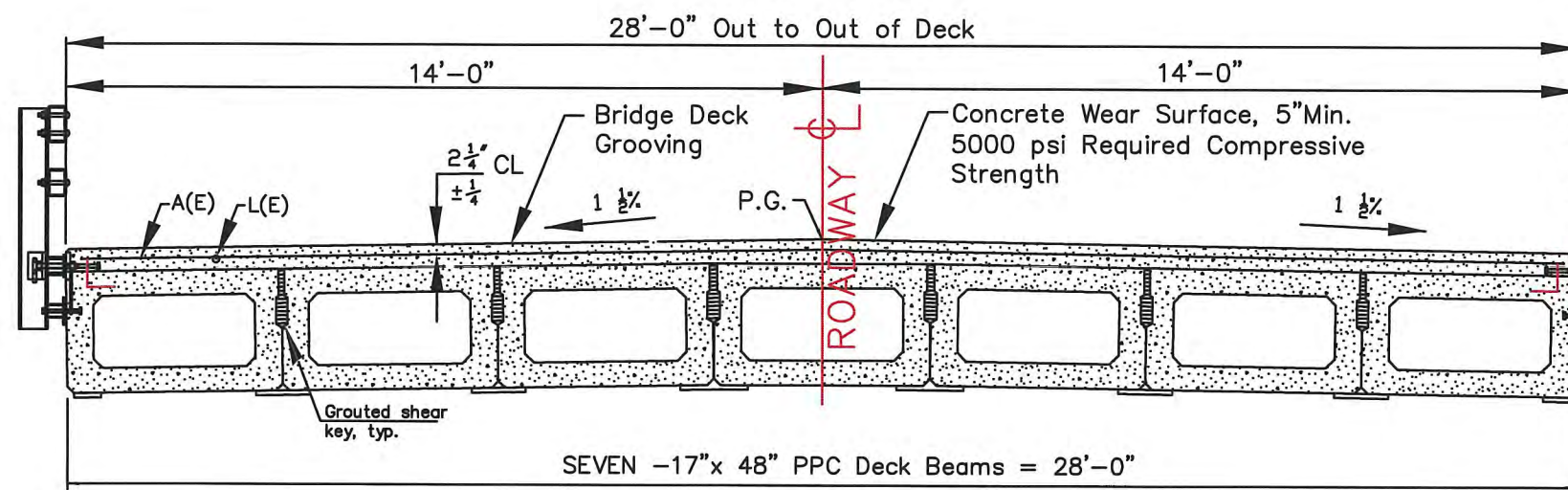
NOTE:  
Formwork necessary for the wearing surface may be secured utilizing the bottom rail anchorage inserts and/or additional inserts cast into the beam.



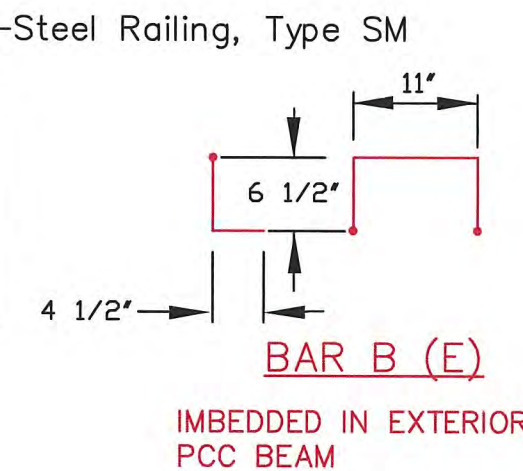
SECTION THRU EXTERIOR BEAM



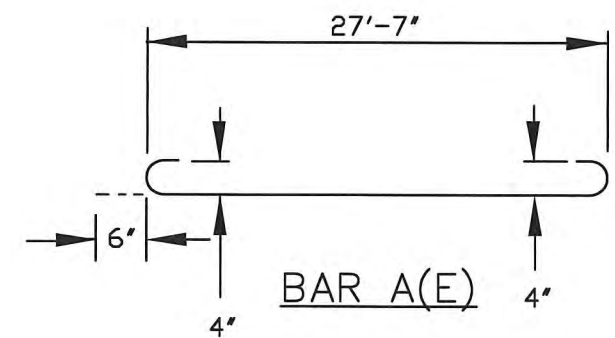
SECTION C-C



CROSS SECTION

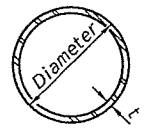


IMBEDDED IN EXTERIOR PCC BEAM



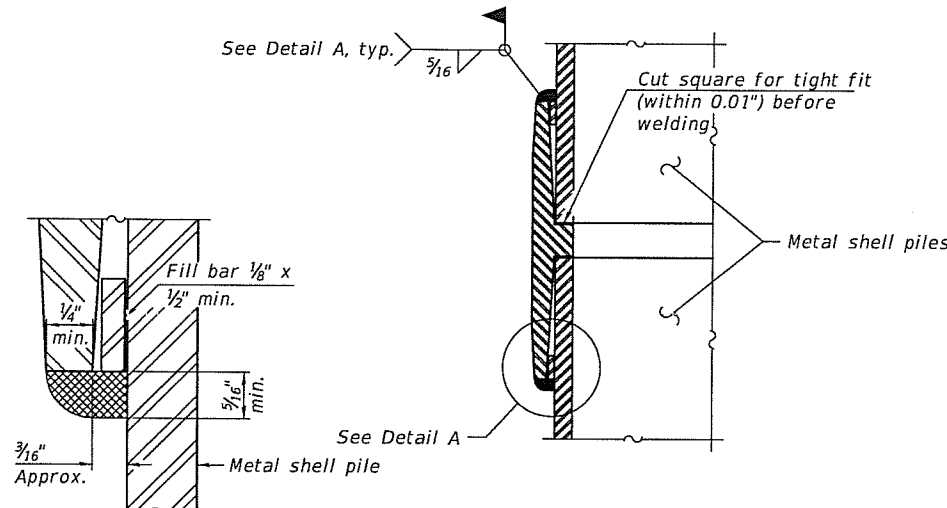
\* (E)BARS & DWEL RODS SHALL BE EPOXY COATED TO AASHTO M 284.

FAS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185	17-00333-00-BR	LEE	17	10
AMBOY ROAD BRIDGE				
DECK SECTIONS AND WEAR SURFACE				

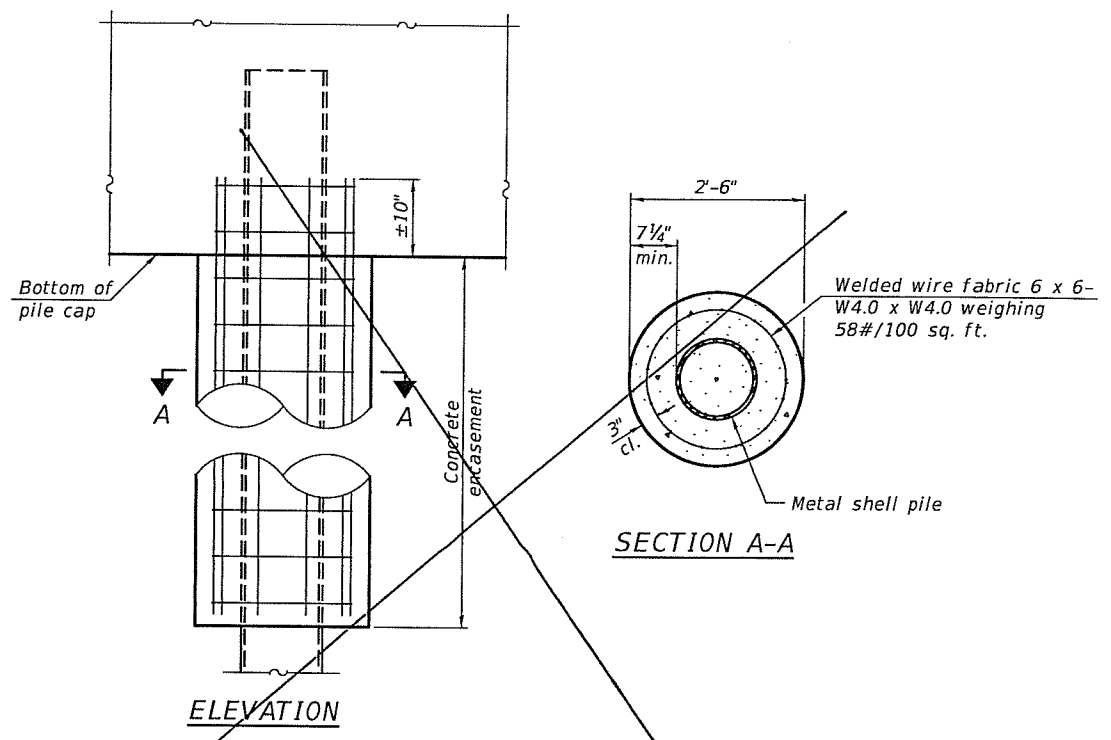


**METAL SHELL PILE TABLE**

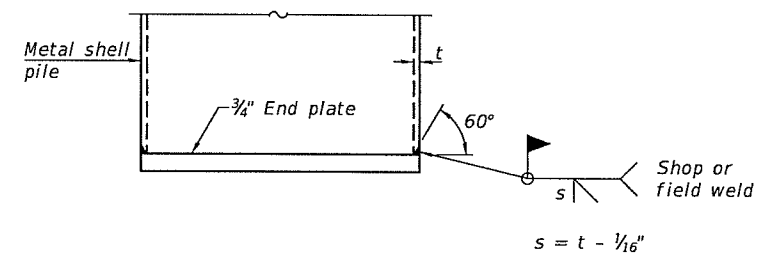
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. <sup>3</sup> /ft.)
PP12	0.250"	31.37	0.0267
PP14	0.250"	36.71	0.0368
PP14	0.312"	45.61	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



**DETAIL A**



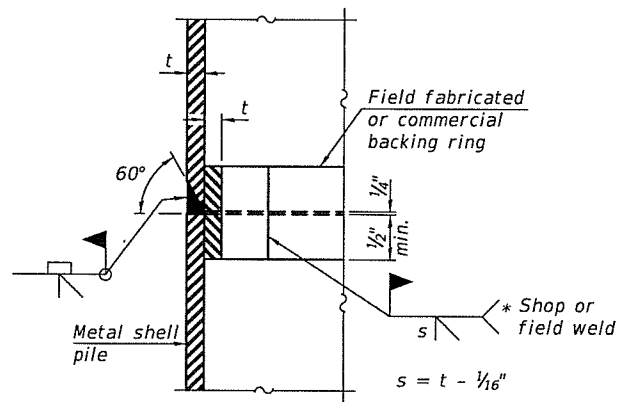
**INDIVIDUAL PILE CONCRETE ENCASEMENT AT PIERS**



**END PLATE ATTACHMENT**

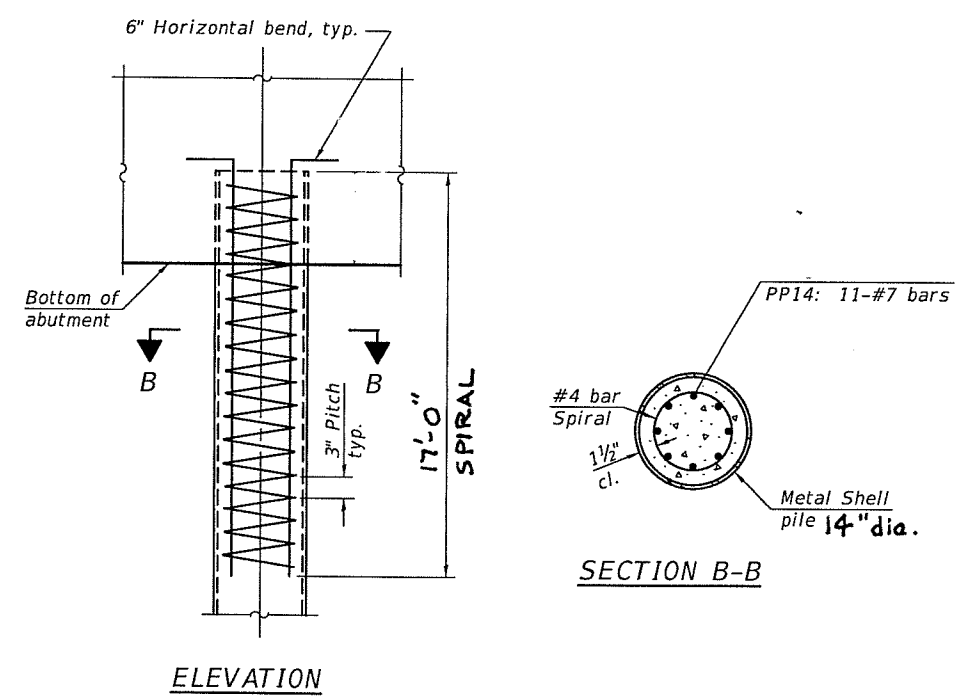
**WELDED COMMERCIAL SPLICE**

Notes:  
 The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.  
 Pile segments shall be driven to solid contact with splicer before welding.

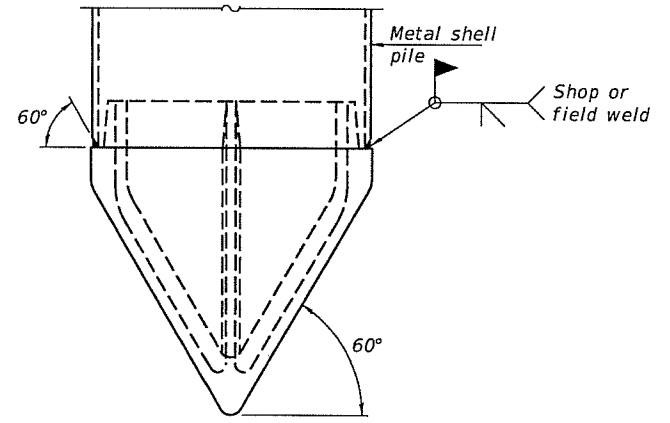


**COMPLETE PENETRATION WELD SPLICE**

\* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.



**REINFORCEMENT AT ABUTMENTS**



**PILE SHOE ATTACHMENT**

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 90-60 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

Note:  
 The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

F-MS

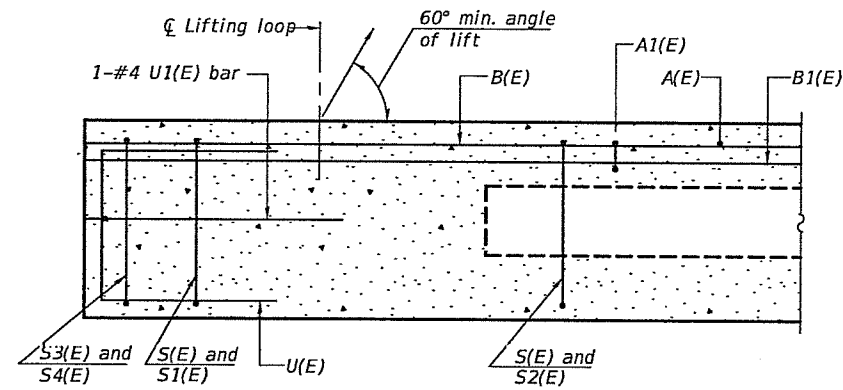
2-17-2017

FILE NAME =	USER NAME = <b>LEE COUNTY</b>	DESIGNED - <b>9-28-17</b>	REVISED -
		CHECKED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -

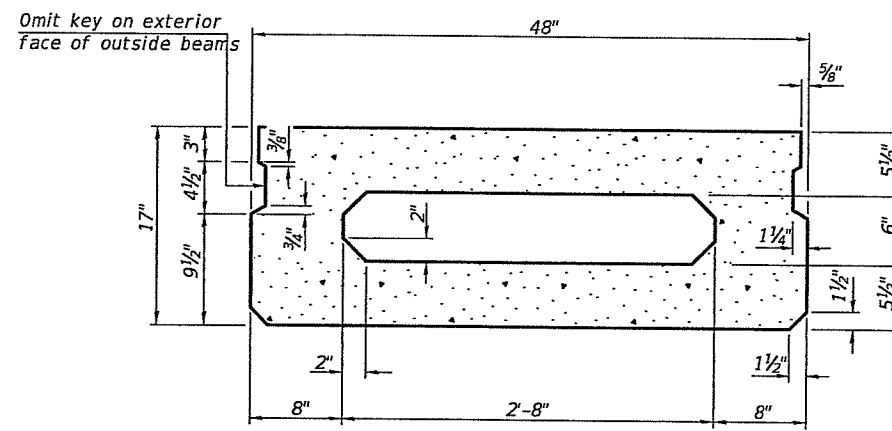
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**METAL SHELL PILE DETAILS  
 STRUCTURE NO. 052-3213  
 AMBOY ROAD BRIDGE**

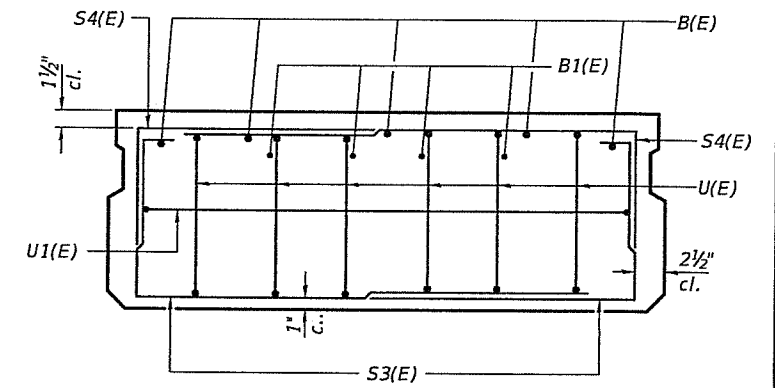
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185	17-00333-00-BR	LEE	17	11
CONTRACT NO. 85664			ILLINOIS FED. AID PROJECT	



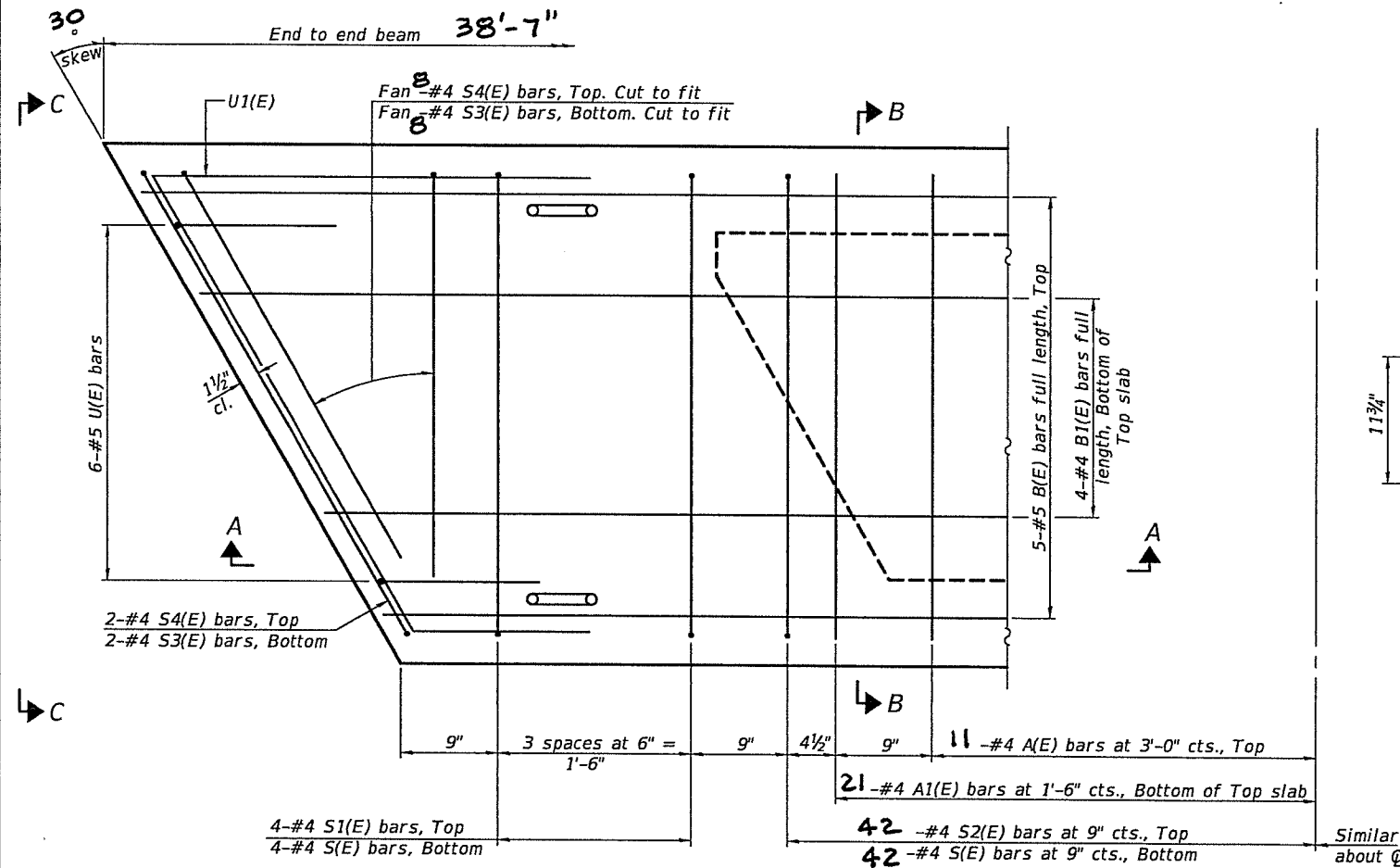
SECTION A-A



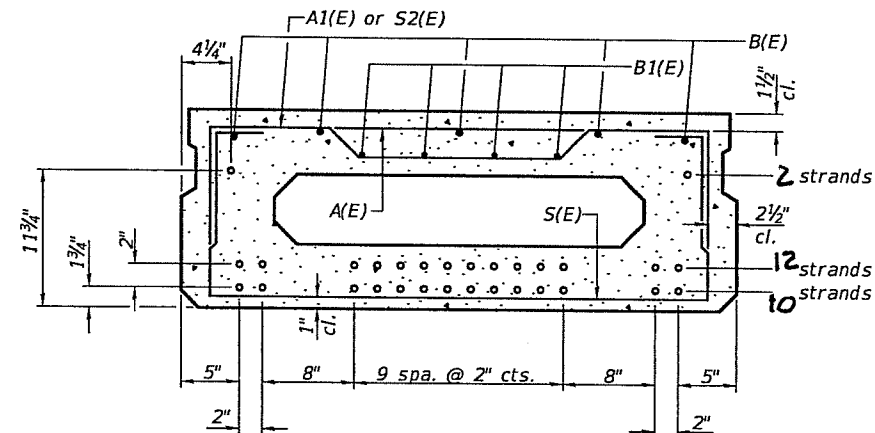
SECTION B-B  
(Showing dimensions)



VIEW C-C



PLAN VIEW



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)	11	#4	3'-7"	—
A1(E)	21	#4	3'-10"	—
B(E)	5	#5	38'-4"	—
B1(E)	4	#4	38'-4"	—
S(E)	50	#4	6'-9"	□
S1(E)	8	#4	5'-3"	□
S2(E)	42	#4	5'-6"	□
S3(E)	20	#4	4'-7"	□
S4(E)	20	#4	3'-10"	□
U(E)	12	#5	3'-8"	□
U1(E)	2	#4	8'-7"	□

Note: See sheet 13 of for additional details and Bill of Material.

MINIMUM BAR LAP

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

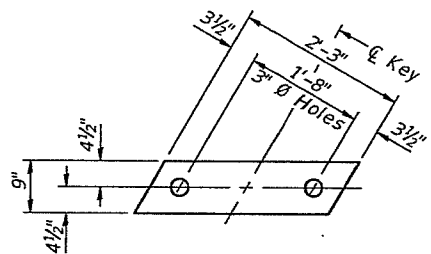
Note: Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.

PD-1748-R

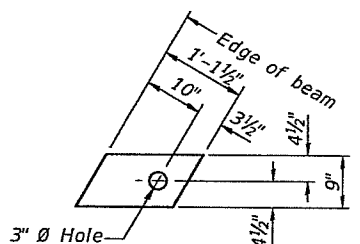
2-17-2017

FILE NAME *	USER NAME = LEE COUNTY	DESIGNED - 11-28-17	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AMBOY RD. 17' x 48" PPC DECK BEAM BRIDGE	24SS 30R	SECTION 17-00333-00-02	COUNTY LEE	TOTAL SHEETS 17	SHEET NO. 12	CONTRACT NO. 85664
PLOT SCALE *	DRAWN -	REVISED -									
PLOT DATE *	CHECKED -	REVISED -									

ILLINOIS FED. AID PROJECT

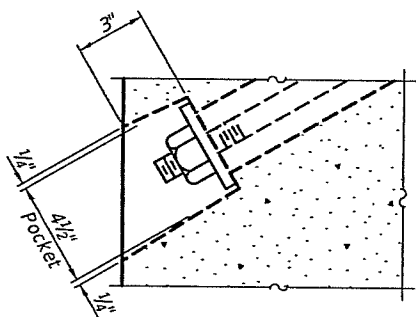


FABRIC BEARING PAD  
(Interior)

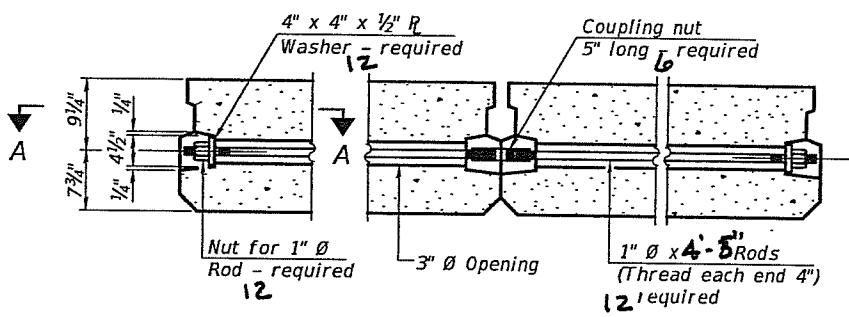


FABRIC BEARING PAD  
(Exterior)

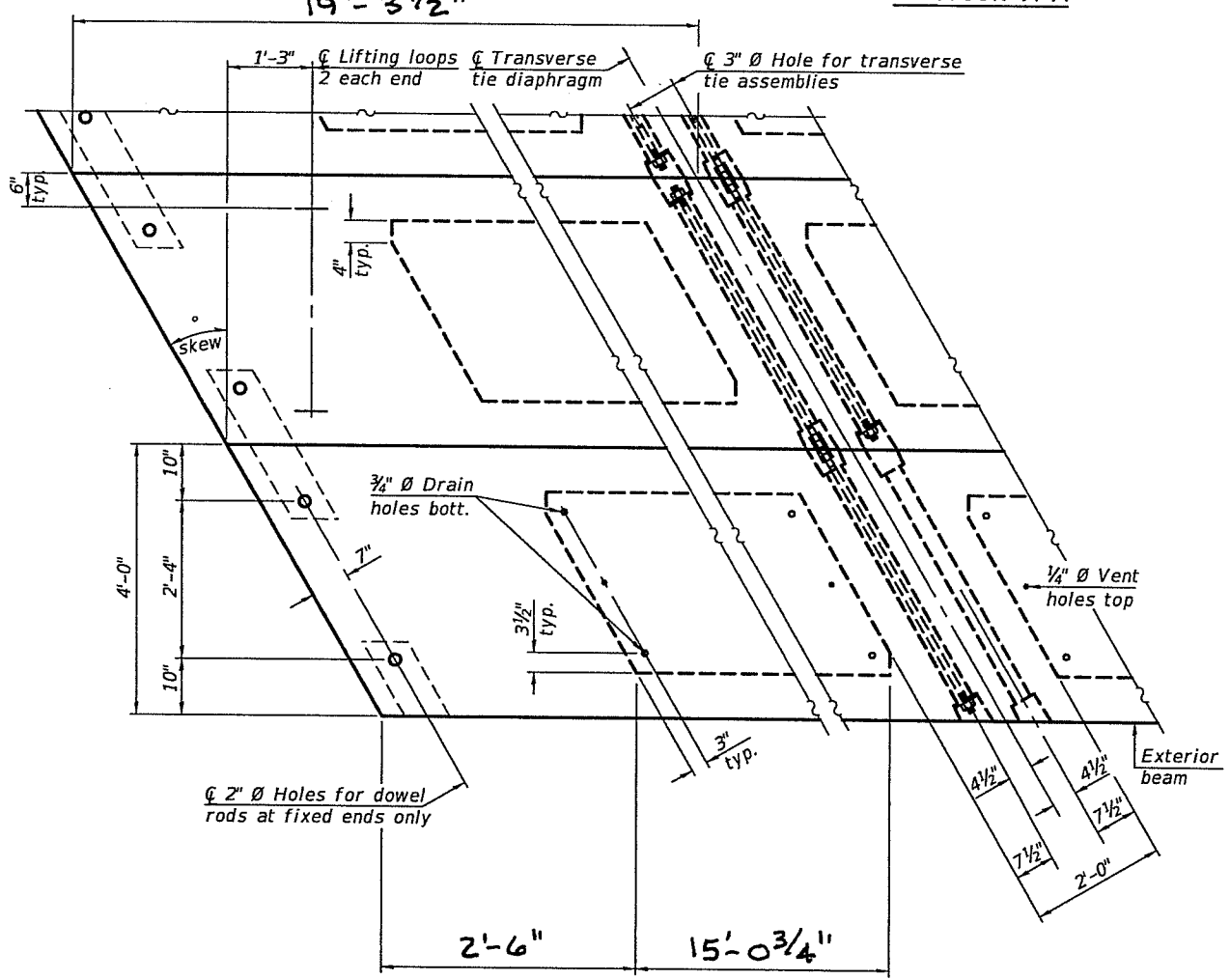
Notes:  
**FIXED**  
All bearing pads shall be 1" thick.  
Omit holes when using expansion bearings.  
Expansion bearing pad shall be bonded to the substructure.



SECTION A-A



TYPICAL TRANSVERSE TIE ASSEMBLY

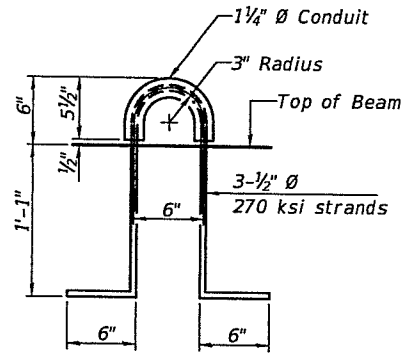
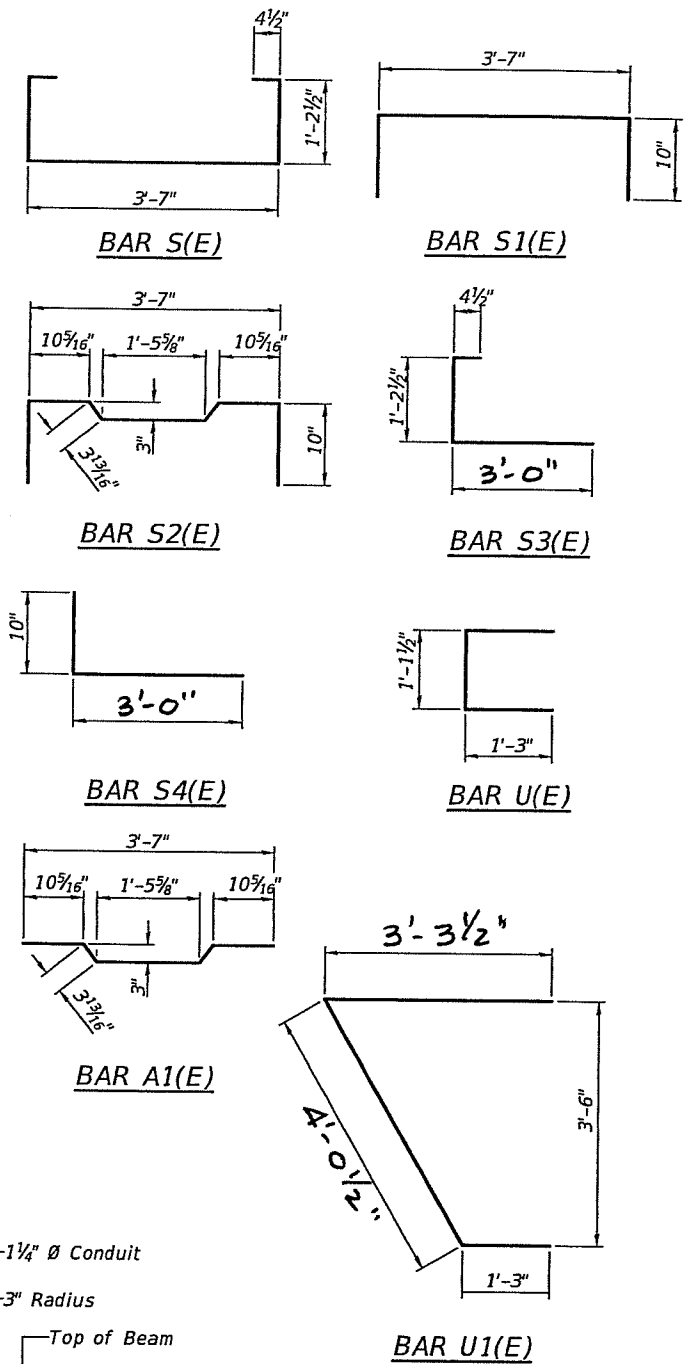


PLAN VIEW

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" diameter 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" diameter 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 Conc. Deck Bms. (17" depth)	Sq. Ft.	1080
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PD-1748-RD

2-17-2017

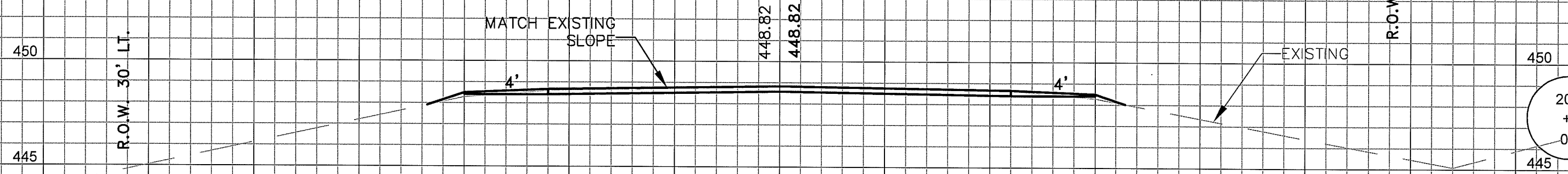
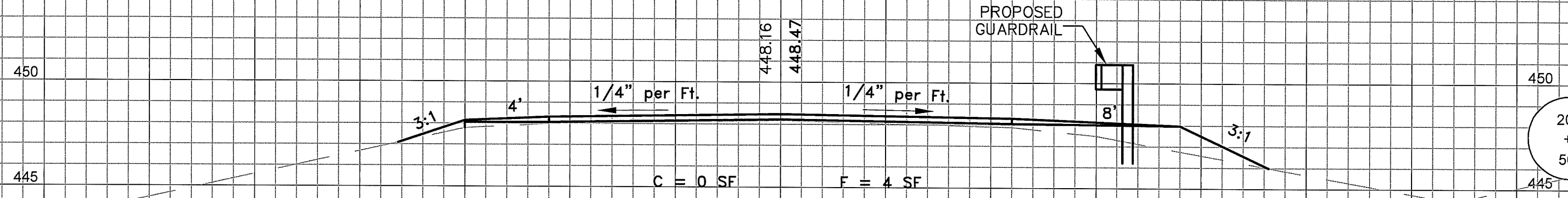
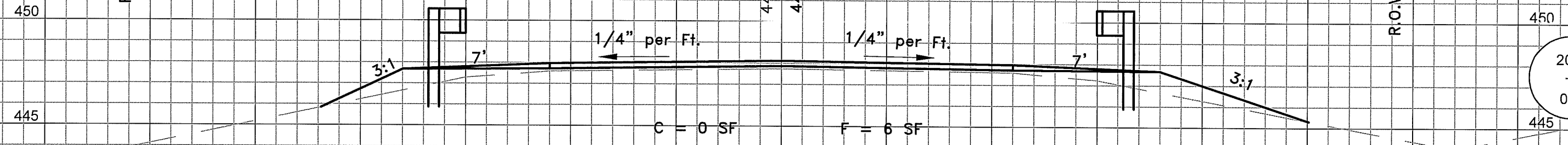
FILE NAME *	USER NAME = LEE COUNTY	DESIGNED - 11-28-17	REVISED -
		CHECKED -	REVISED -
PLOT SCALE *		DRAWN -	REVISED -
PLOT DATE *		CHECKED -	REVISED -

<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>AMBOY RD. 17' x 48' PPC DECK BEAM DETAILS</b>	2455	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		<b>BRIDGE</b>	30 <sup>0</sup> R		10517-00333-00-BR	LEE	17	13
		STRUCTURE NO. 052-3213					CONTRACT NO. 85664	
<small>ILLINOIS FED. AID PROJECT</small>								



R.O.W. 30' LT.

R.O.W. 30' RT.



SCALE  
VERTICAL 1" = 5'  
HORIZONTAL 1" = 5'

R.O.W. 30' LT.

R.O.W. 30' RT.

450

450

445

445

3:1

7'

1/4" per Ft.

1/4" per Ft.

7'

3:1

C = 0 SF

F = 5 SF

206  
+  
50

450

450

445

445

447.38  
447.52

447.50  
447.50

206  
+  
05

R.O.W. 30' LT.

R.O.W. 30' RT.

450

450

445

445

3:1

7'

1/4" per Ft.

1/4" per Ft.

7'

3:1

C = 0 SF

F = 3 SF

447.68  
447.77

EXISTING

205  
+  
50

SCALE  
VERTICAL 1" = 5'  
HORIZONTAL 1" = 5'



R.O.W. 30' LT.

R.O.W. 30' RT.

450

450

MATCH EXISTING SLOPE

447.59

447.59

208 + 00

445

445

4'

4'

450

450

1/4" per Ft.

1/4" per Ft.

207 + 50

445

445

3:1

8'

4'

3:1

C = 0 SF

F = 4 SF

R.O.W. 30' LT.

R.O.W. 30' RT.

450

450

PROPOSED GUARDRAIL

447.15

447.55

207 + 00

445

445

1/4" per Ft.

1/4" per Ft.

3:1

7'

7'

3:1

C = 0 SF

F = 10 SF

EXISTING

SCALE  
VERTICAL 1" = 5'  
HORIZONTAL 1" = 5'