

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
SURFACE TRANSPORTATION PROGRAM – BRIDGE**

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 3	16-00275-00-BR	CLARK	27	1
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO. 95793		

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES AND GENERAL NOTES
3.	TYPICAL CROSS SECTIONS
4.	PLAN & PROFILE
5.	GUARDRAIL AND SHOULDER LAYOUT SHEET
6-17.	BRIDGE PLANS
18-27.	STATION CROSS SECTIONS

HIGHWAY STANDARDS:

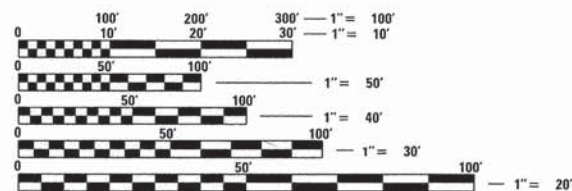
000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-03	NAME PLATE FOR BRIDGES
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
631032-08	TRAFFIC BARRIER TERMINAL, TYPE 6A
701901-05	TRAFFIC CONTROL DEVICES
725001	OBJECT AND TERMINAL MARKERS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES; FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

UTILITIES

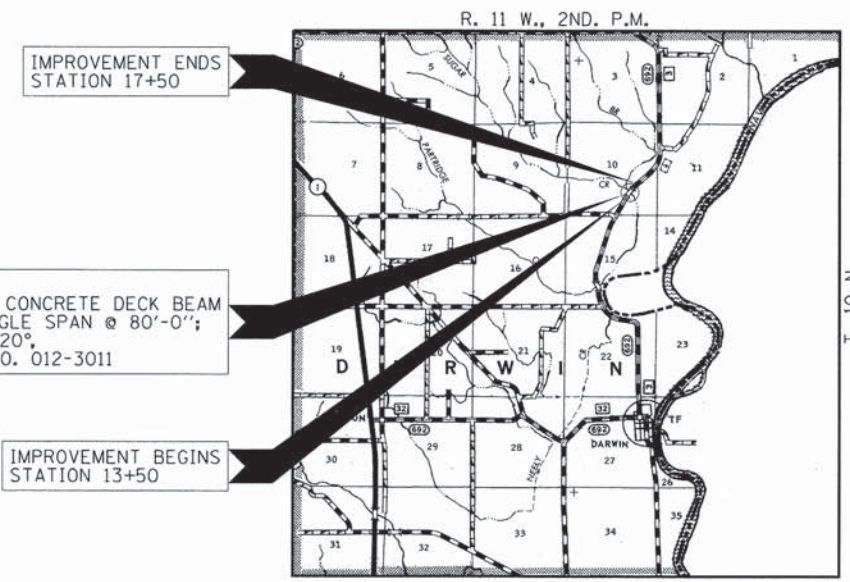
CLARK-EDGAR RURAL WATER DISTRICT
330 N. CENTRAL AVENUE
PARIS, IL 61944
ATTN: BOB COVIN
FRANCIS & ASSOCIATES
217-465-5306

ENERSTAR POWER CORP.
11597 IL HIGHWAY 1
PARIS, IL 61944
ATTN: TIM HADDIX
217-463-4145

FRONTIER COMMUNICATIONS
1205 S CENTRAL AVENUE
PARIS, IL 61944
ATTN: MICHELE LEWSADER
217-463-3129



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.



LOCATION MAP

APPROXIMATE SCALE: 0 1 MILE
NET LENGTH OF SECTION = 400 FEET = 0.076 MILES



FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
DESIGN SPEED: 40 MPH
DESIGN TRAFFIC: 100 ADT (2015)

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED April 5 2016

Dallas W. Redman
COUNTY ENGINEER

PASSED 4-8-2016

Marcus D. Kestel
DISTRICT SEVEN ENGINEER OF LOCAL ROADS & STREETS
4-18-2016

Jeffrey M. Southard
REGION FOUR ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARNING

CALL 811 BEFORE YOU DIG
DIG NO: A3291201



HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS • STRUCTURAL ENGINEERS • LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	CONSTRUCTION TYPE CODE
			0014
			TOTAL
20200100	EARTH EXCAVATION	CU YD	255
20300100	CHANNEL EXCAVATION	CU YD	145
20700220	POROUS GRANULAR EMBANKMENT	CU YD	101
28000400	PERIMETER EROSION BARRIER	FOOT	558
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	387
48101200	AGGREGATE SHOULDERS, TYPE B	TON	173
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	2.3
50400605	PRECAST PRESTRESSED CONCRETE DECK BEAMS (33" DEPTH)	SQ FT	2,400
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	190
50901050	STEEL RAILING, TYPE SM	FOOT	161
51500100	NAME PLATES	EACH	1
58700300	CONCRETE SEALER	SQ FT	76
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	76
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	3
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3
63200310	GUARDRAIL REMOVAL	FOOT	264
67100100	MOBILIZATION	L SUM	1
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4
X2810208	STONE RIPRAP, CLASS A4 (SPECIAL)	TON	350
X6310188	TRAFFIC BARRIER TERMINAL, TYPE 6A (MODIFIED)	EACH	1
Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	20
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5")	SQ FT	76

^ SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

GENERAL NOTES

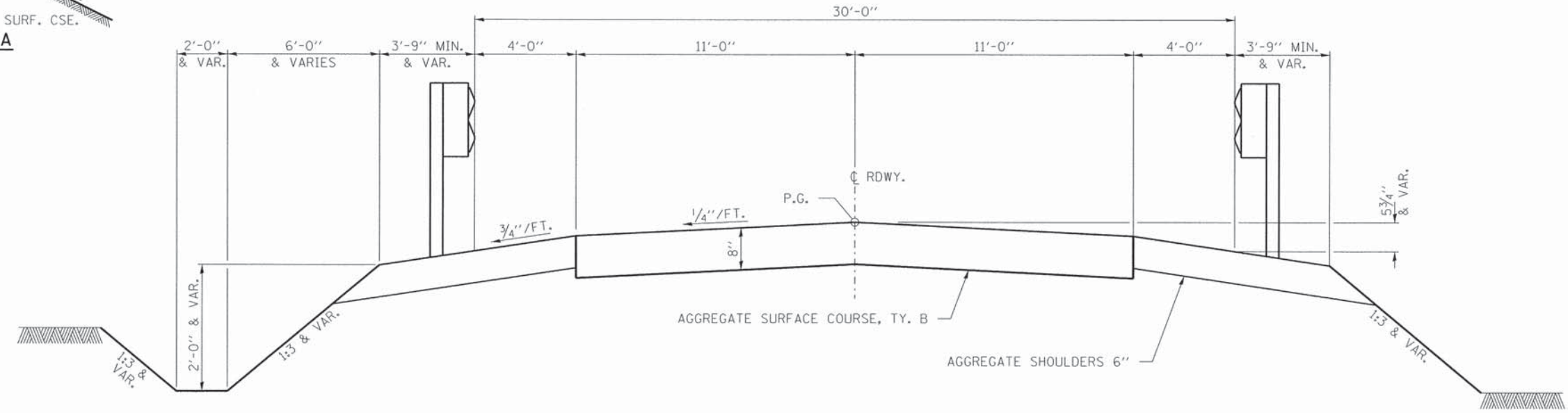
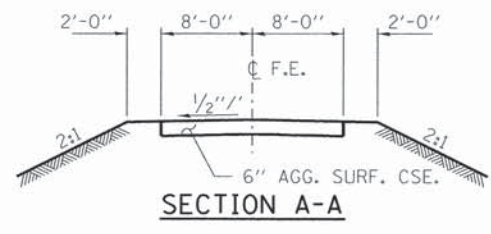
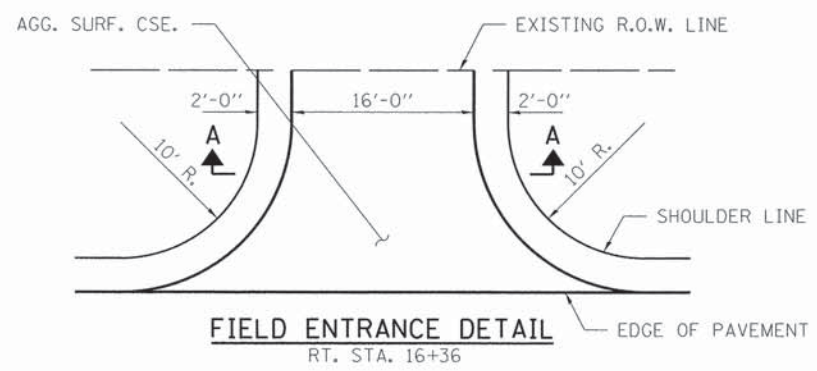
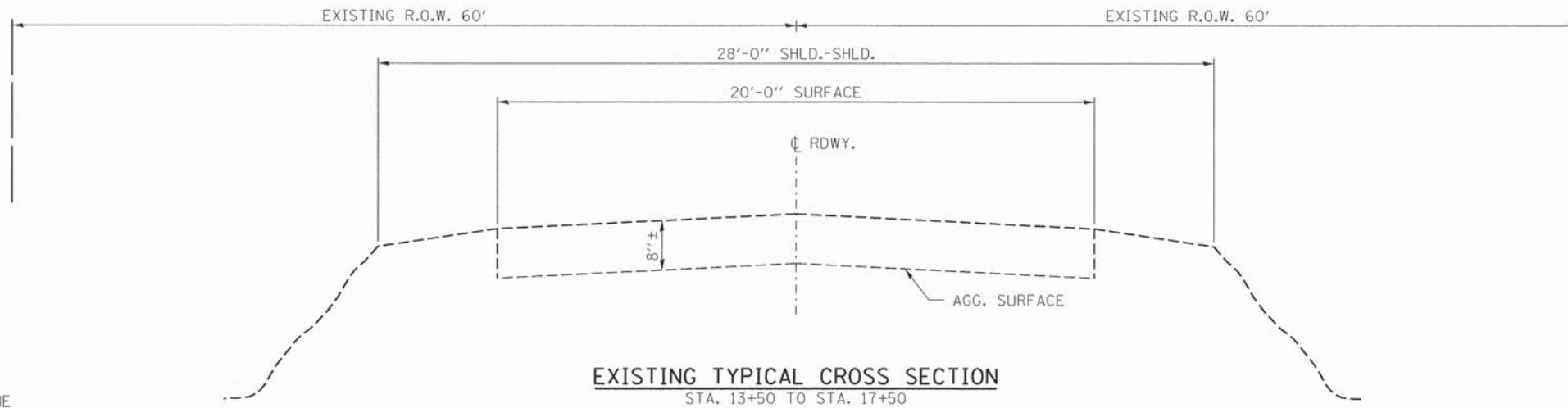
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016," THESE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
- THE REVISION NUMBERS OF THE STANDARDS LISTED IN THE PLANS ARE TO BE USED FOR CONSTRUCTING OF THIS SECTION.
- ALL CLEARING AND GRUBBING, FENCE REMOVAL AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. THE REMOVAL OF THE EXISTING PAVEMENT WILL BE PAID FOR AS EARTH EXCAVATION. ALL BITUMINOUS MATERIAL SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. PROPER DISPOSAL OF BITUMINOUS MATERIAL SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE LOCATION OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATIONS AND THE BEST INFORMATION AVAILABLE, BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL UTILITY COMPANIES AND BY FIELD INSPECTION.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

AGGREGATE SURFACE COURSE	2.05 TON/CU YD
AGGREGATE SHOULDERS	2.05 TON/CU YD
STONE RIPRAP	1.75 TON/CU YD
- THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY AS DIRECTED BY THE ENGINEER.
ESTIMATED QUANTITY: SEEDING, CLASS 2 (SPECIAL) = 0.2 ACRES (SEEDING TO BE DONE BY COUNTY)
- TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER. THE AREA DESIGNATED FOR REMOVAL SHALL BE MARKED AND MEASURED FOR PAYMENT BY THE ENGINEER BEFORE REMOVAL.

PERIMETER EROSION BARRIER	
LOCATION	PERIMETER EROSION BARRIER
	28000400
FOOT	
LT. STA 13+50 TO STA 15+02	152
RT. STA 13+50 TO STA 14+87	137
LT. STA 16+18 TO STA 17+50	132
RT. STA 15+93 TO STA 16+26	33
RT. STA 16+46 TO STA 17+50	104
TOTAL	558

EARTHWORK SCHEDULE							
LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	20200100	20300100					
	CU.YD.	CU.YD.			CU.YD.		
STA 13+50 TO STA 15+09.47	138		25.00%	100.00%	104	3	101
STA 15+09.47 TO STA 15+90.93		145	25.00%	70.00%	76		76
STA 15+90.93 TO STA 17+50	117		25.00%	100.00%	87	65	22
TOTAL	255	145			267		199
USE	255	145					200

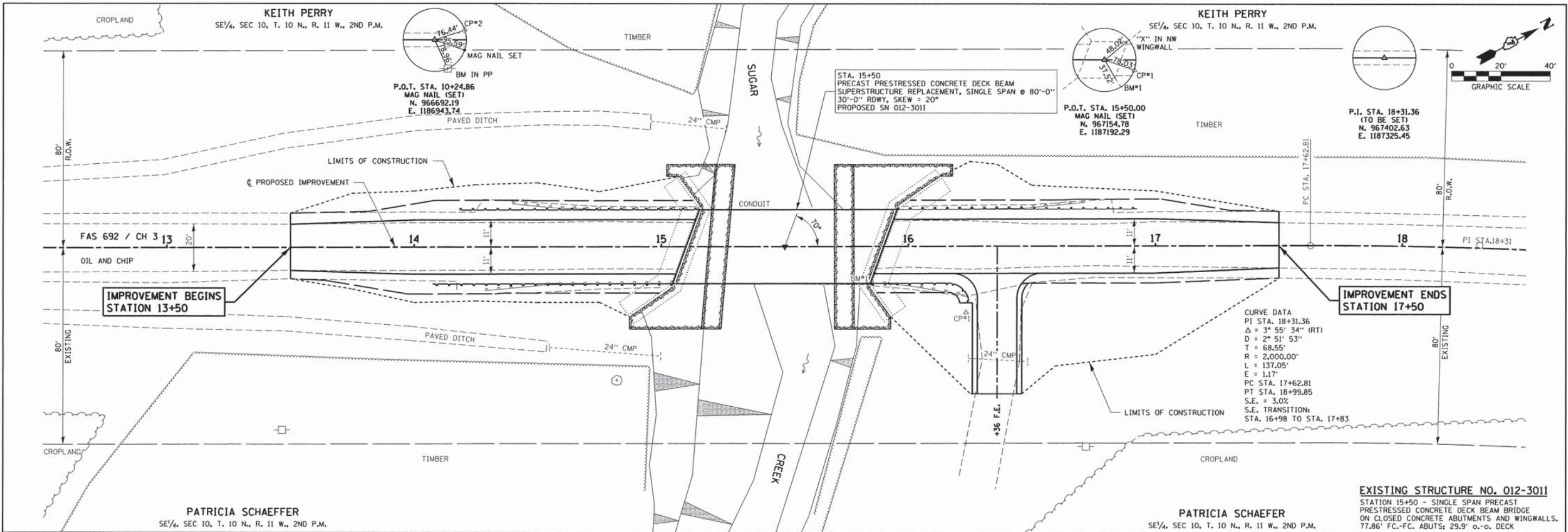
WASTE 200 CU YDS



SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

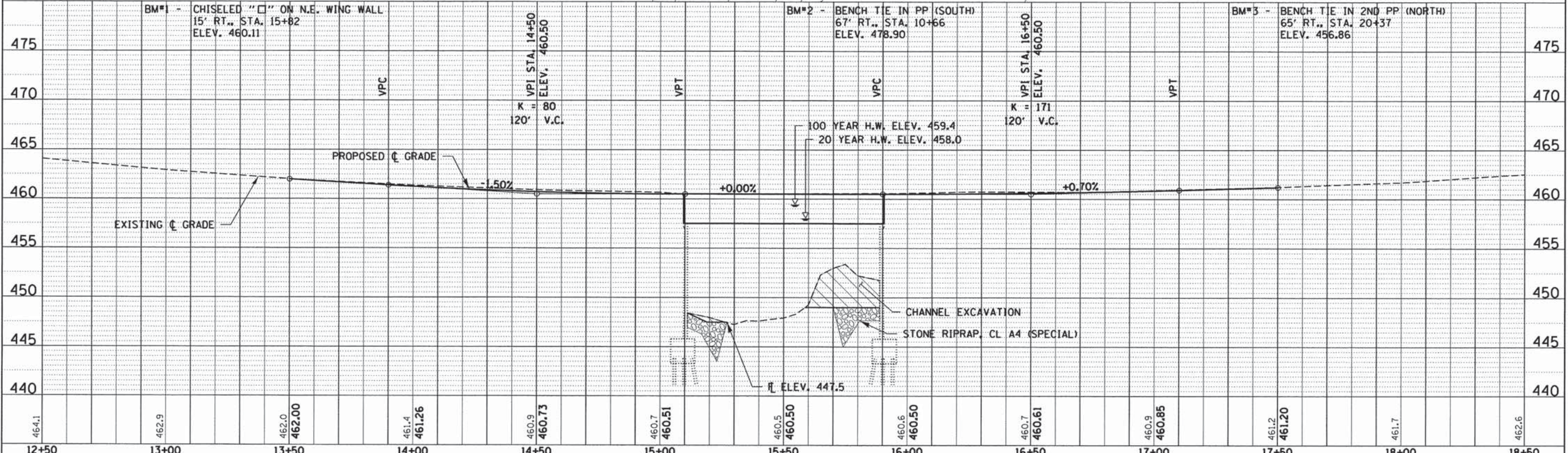
SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

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HAMPTON, LENZINI AND RENWICK, INC. 3015 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	DRAWN - R.D.H.	REVISED -					3	16-00275-00-BR	CLARK	27	3
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184-000059	PLOT DATE = 4/1/2016	CHECKED - S.W.M.	REVISED -		SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.			CONTRACT NO. 95793				
		DATE - 04/01/16	REVISED -		ILLINOIS FED. AID PROJECT BHS-06921041							

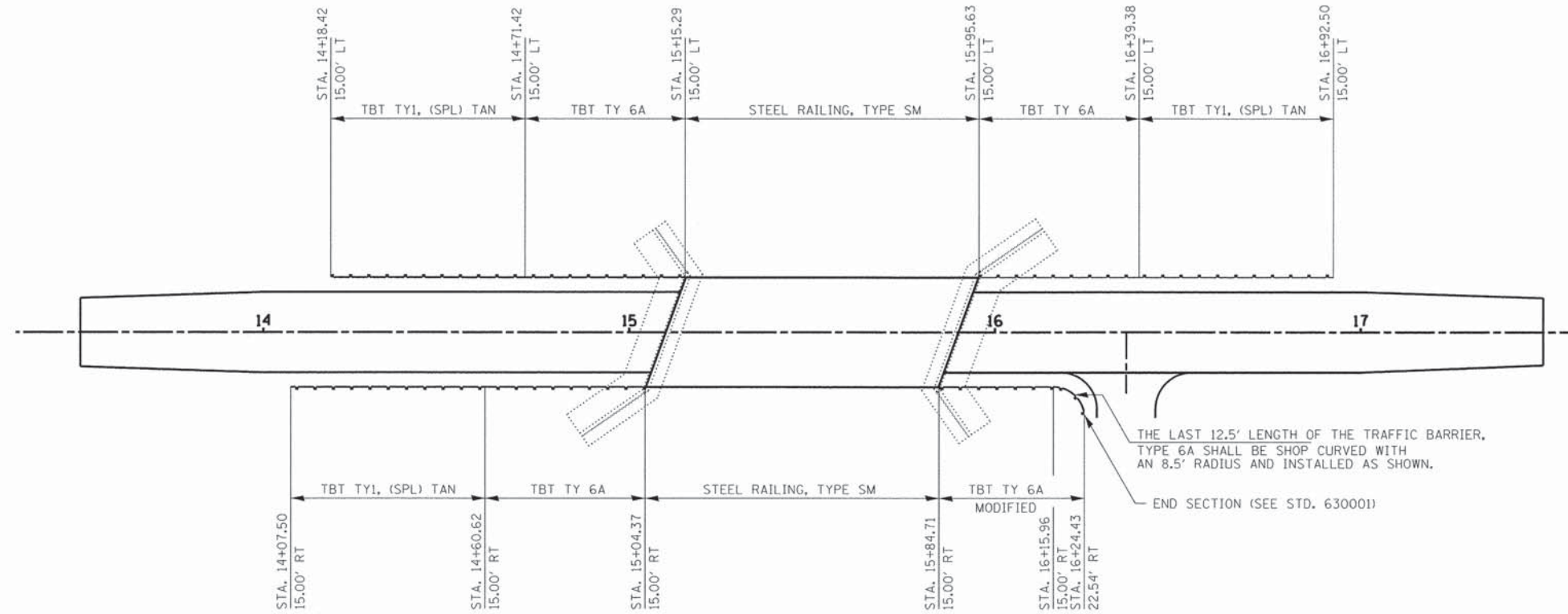


PLAN	SURVEYED	DATE
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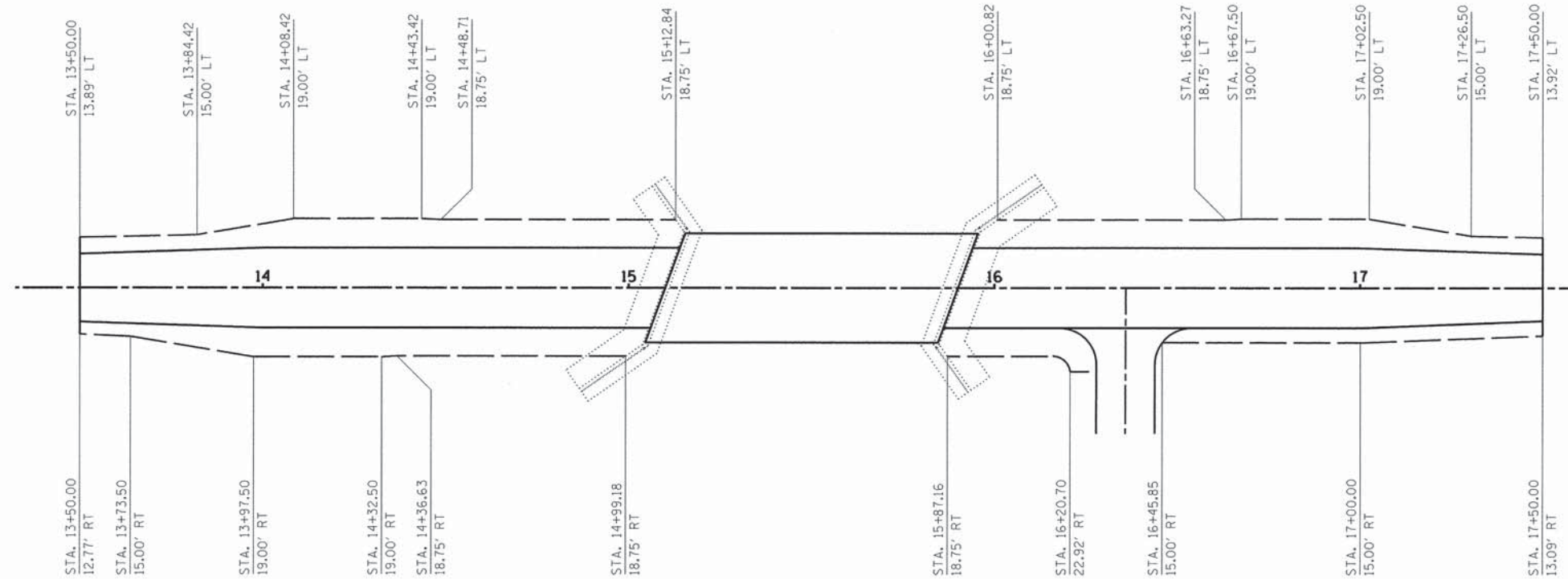
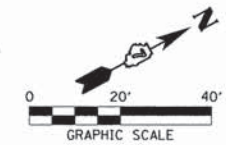
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	DATE	



FILE NAME = 150143-sht-p8p.dgn	USER NAME =	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE SCALE: 20H:5V SHEET NO. 1 OF 1 SHEETS STA. 7+00.00 TO STA. 13+00.00	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 134.000050	PLOT SCALE =	DRAWN - T.W.K.	REVISED -			692	16-00275-00-BR	CLARK	27	4
PLOT DATE = 4/1/2016	DATE = 04/01/16	CHECKED - S.W.M.	REVISED -			CONTRACT NO. 95793			ILLINOIS FED. AID PROJECT BHS-06921041	
		DATE = 04/01/16	REVISED -							



GUARDRAIL LAYOUT



SHOULDER LAYOUT

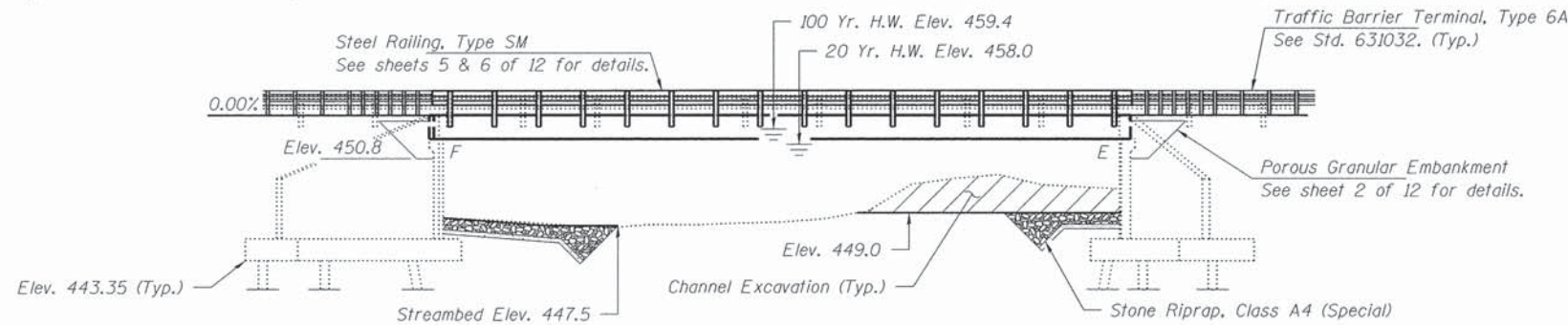
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HAMPTON, LENZINI AND RENWICK, INC. 2005 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	DRAWN - R.D.H.	REVISED -		692	16-00275-00-BR	CLARK	27	5			
ILR ILLINOIS PROFESSIONAL DESIGN FIRM 1817 E. 98th ST. CHICAGO, IL 60643	PLOT DATE = 4/1/2016	CHECKED - J.W.F.	REVISED -		SCALE: SHEET NO. 1 OF 1 SHEETS STA. 13+00.00 TO STA. 18+00.00			CONTRACT NO. 95793				
		DATE - 04/01/16	REVISED -		ILLINOIS FED. AID PROJECT BHS-06921041							

BENCHMARK: Bench tie in power pole. 81' Rt., Sta. 16+71, Elev. 478.90.

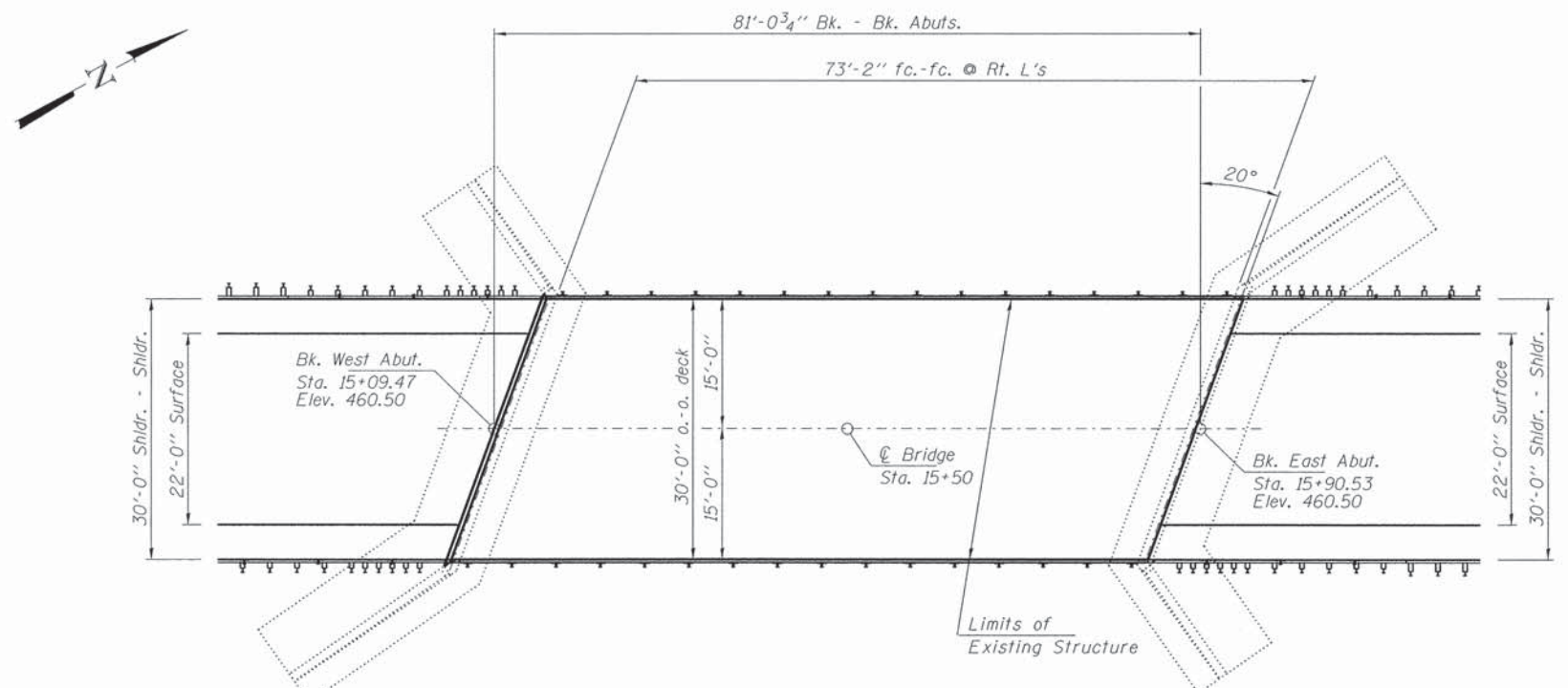
EXISTING STRUCTURE: SN 012-3011 Sta. 15+50. Single span precast prestressed concrete deck beam bridge on closed concrete abutments and wingwalls. 77.87' fc.-fc. abutts., 30.0' o.-o. deck. Constructed as section 211-B.

Structure closed to traffic during construction.

Salvage: Existing abutments to be re-used in place.



ELEVATION



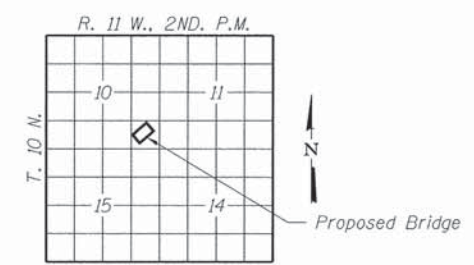
PLAN

GENERAL NOTES

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
 Excavation required to construct the Abutments shall be included in the cost of Concrete Structures. No additional compensation will be allowed for Structure Excavation.
 All proposed construction activities shall be in accordance with Nationwide Permit number 14 of the Department of the Army authorized under Section 404 of the Clean Water Act.
 The IEPA has issued Section 401 Water Quality Certification for this activity. See Special Provisions for conditions.
 Concrete sealer shall be applied to the designated areas of the abutments.
 Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 The Contractor shall not allow any materials to be dropped into the stream during removal operations or during construction procedures. A Regional Permit from the Army Corp. of Engineers is required for any material dropped into the stream.
 The Contractor shall excavate behind the abutments to the elevations shown prior to the removal of the existing superstructure. The excavation shall be backfilled with Porous Granular Embankment, after superstructure construction has been completed. The excavation required behind the abutments shall be included with Porous Granular Embankment.

INDEX OF STRUCTURE SHEETS

1. General Plan & Elevation
2. Riprap Layout
3. 33"x36" PPC Deck Beam
4. 33"x36" PPC Deck Beam Details
5. Superstructure Details
6. Steel Railing, Type SM
7. West Abutment
8. East Abutment
- 9-12. Existing Plans



LOCATION SKETCH

SUGAR CREEK
 BUILT 2011 BY
 CLARK COUNTY
 SEC. 16-00275-00-BR
 STR. NO. 012-3011
 LOADING HL-93

NAME PLATE

See Std. 515001

DESIGN SPECIFICATIONS (NEW CONST.)

2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with all interims.
 Loading HL-93
 No future wearing surface allowed.

LOADING HS-20-44

Existing Construction

DESIGN STRESSES

EXISTING CONSTRUCTION

$f'_c = 1,000$ psi (Sub.)
 $f'_s = 240,000$ psi (Reinf.)

PRECAST PRESTRESSED UNITS (NEW CONST.)

$f'_c = 6,000$ psi
 $f'_{ci} = 5,000$ psi
 $f_{pu} = 270,000$ psi ($1/2$ " ϕ low lax. strands)
 $f_{pbt} = 201,960$ psi ($1/2$ " ϕ low lax. strands)
 $f_y = 60,000$ psi (Reinf.)

WATERWAY INFORMATION

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural H.W.E.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design	10	2330	540	540	457.41	0.17	0.17	457.58	457.58	
Base	100	4580	540	540	459.37	1.10	1.10	460.47	460.47	
Existing Overtop	100	4580	550		459.37	1.10	1.10	460.47	460.47	
Proposed Overtop	100	4580	550		459.37	1.10	1.10	460.47	460.47	
Max. Calc.	500	6340	540	540	460.64	1.23	1.23	461.87	461.87	

Existing Low Grade Elev. 460.6 @ Sta. 10+00
 Proposed Low Grade Elev. 460.6 @ Sta. 10+00
 Drainage Area = 8.9 Sq. Mi.

10 Year Velocity through Existing Bridge = 4.3 fps
 10 Year Velocity through Proposed Bridge = 4.3 fps

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)		Item 113
	S. Abut.	N. Abut.	
Q100	444.1	444.1	8
Q200	444.3	444.3	
Design	444.1	444.1	
Check	444.3	444.3	

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 LRFD Specifications."

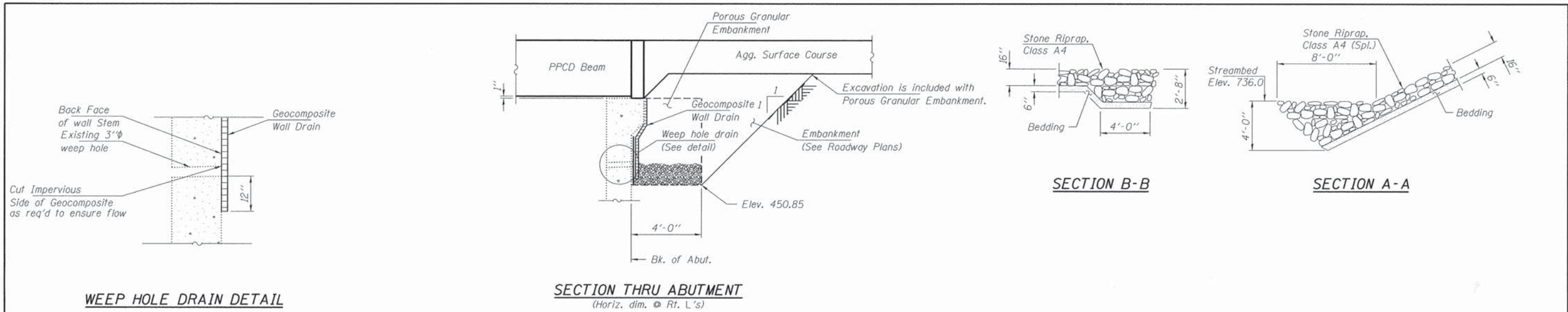
Steven W. Megginson 04/01/2016
 ILLINOIS STRUCTURAL ENGINEER NO. 081-6064



Expires 11-30-2016

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			145
Stone Riprap, Class A4 (Special)	Ton			350
Removal of Existing Superstructures	Each			1
Concrete Structures	Cu. Yd.		2.3	2.3
Precast Prestressed Concrete Deck Beams (33" Depth)	Sq. Ft.	2,400		2,400
Reinforcement Bars, Epoxy Coated	Pound		190	190
Steel Railing, Type SM	Foot	161		161
Asbestos Bearing Pad Removal	Each		20	20
Porous Granular Embankment	Cu. Yd.		101	101
Geocomposite Wall Drain	Sq. Yd.		76	76
Concrete Sealer	Sq. Ft.		76	76
Name Plates	Each		1	1
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.		76	76

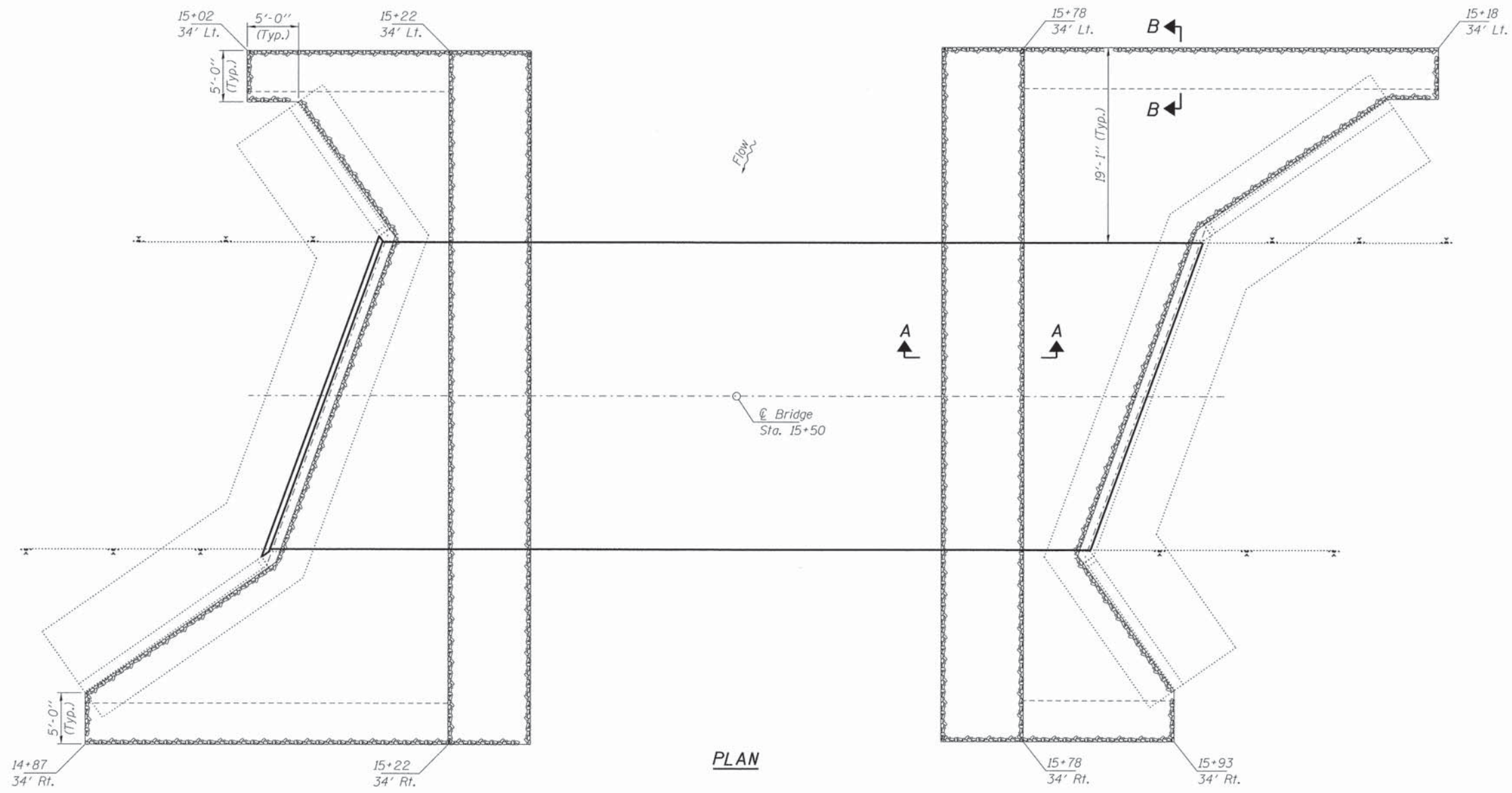


WEEP HOLE DRAIN DETAIL

SECTION THRU ABUTMENT
(Horiz. dim. @ Rt. L's)

SECTION B-B

SECTION A-A



PLAN

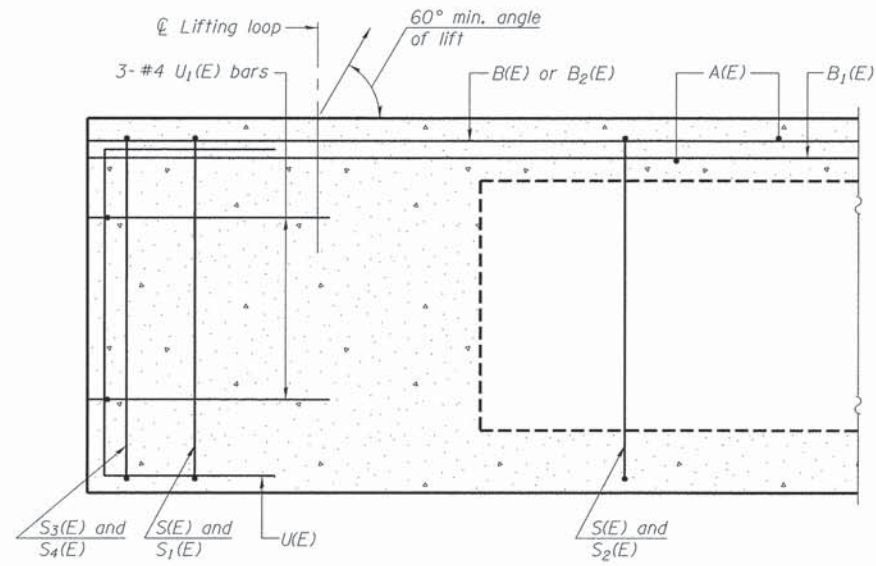
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PLOT SCALE =	
PLOT DATE = 4/1/2016	

DESIGNED - L.A.P.	REVISED -
CHECKED - S.W.M.	REVISED -
DRAWN - R.D.H.	REVISED -
CHECKED - S.W.M.	REVISED -

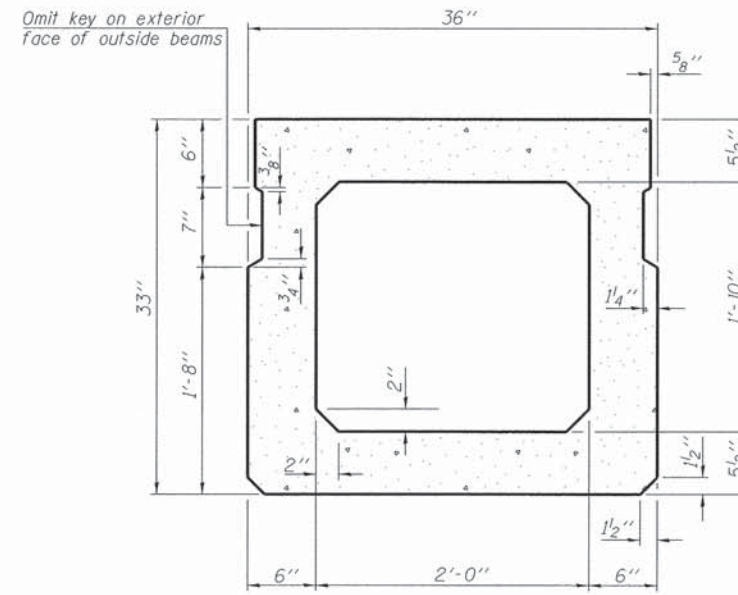
STATE OF ILLINOIS
CLARK COUNTY HIGHWAY DEPARTMENT

RIPRAP LAYOUT
STRUCTURE NO. 012-3011
SHEET NO. 2 OF 12 SHEETS

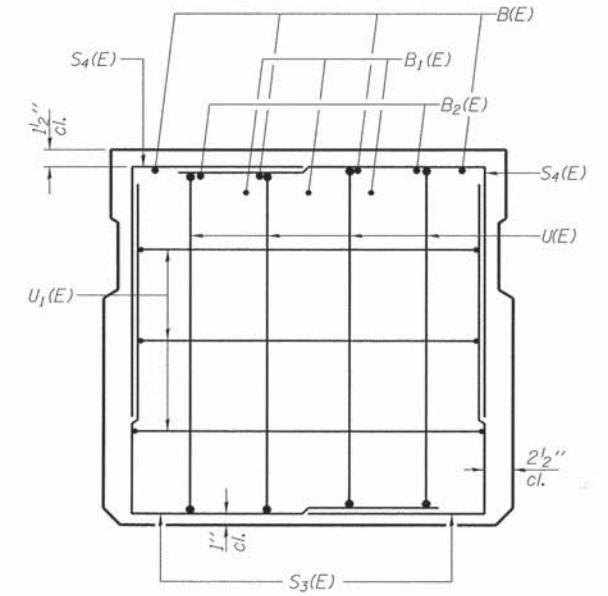
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	7
CONTRACT NO. 95793				
ILLINOIS FED. AID PROJECT BHS-0692(104)				



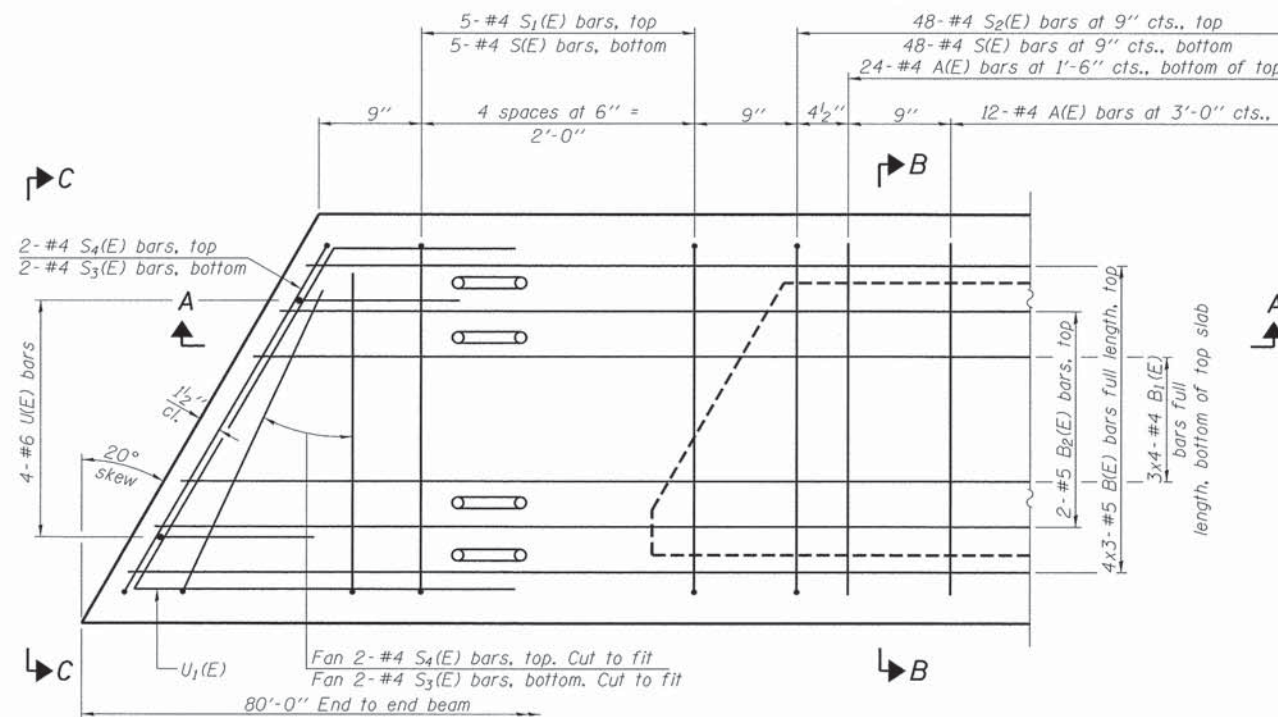
SECTION A-A



SECTION B-B
(Showing dimensions)

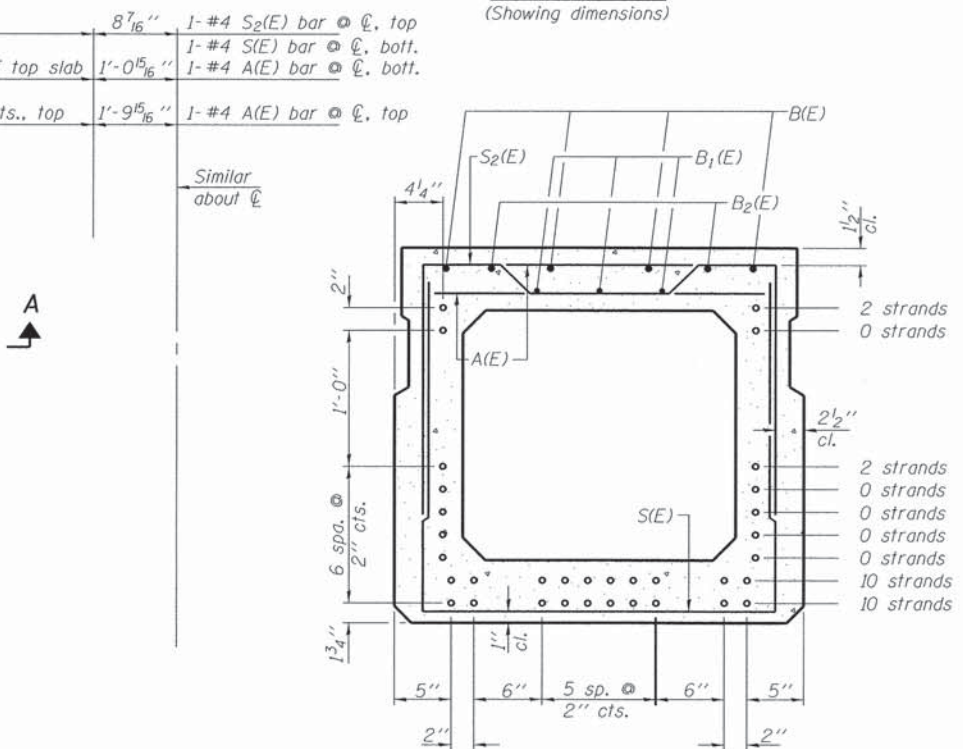


VIEW C-C



PLAN VIEW

Notes:
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.
Bars indicated thus 4x3-#5 etc. indicates 4 lines of bars with 3 lengths per line.



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)	74	#4	2'-7"	—
B(E)	12	#5	28'-3"	—
B1(E)	12	#4	21'-5"	—
B2(E)	4	#5	10'-0"	—
S(E)	107	#4	7'-8"	—
S1(E)	10	#4	6'-5"	┌
S2(E)	97	#4	6'-8"	┌
S3(E)	8	#4	5'-0"	┌
S4(E)	8	#4	4'-4"	┌
U(E)	8	#6	5'-0"	┌
U1(E)	6	#4	6'-1"	┌

Note: See sheet 4 & 5 of 12 for additional details and Bill of Material.

MINIMUM BAR LAP

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

PD-3336-L

6-8-15

FILE NAME = 150143-sht+bridge.dgn	USER NAME =
HAMPTON, LENZINI AND RENWICK, INC. 2005 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =
ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E./S.E. CORP. 184 000959	PLOT DATE = 4/1/2016

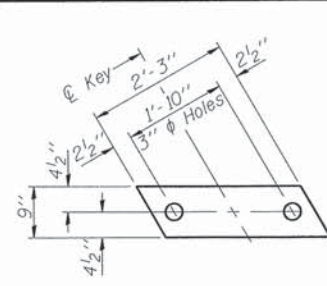
DESIGNED - L.A.P.	REVISED -
CHECKED - S.W.M.	REVISED -
DRAWN - R.D.J.H.	REVISED -
CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
CLARK COUNTY HIGHWAY DEPARTMENT

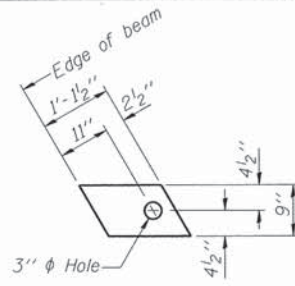
33" x 36" PPC DECK BEAM
STRUCTURE NO. 012-3011

SHEET NO. 3 OF 12 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	8
CONTRACT NO. 95793				
ILLINOIS FED. AID PROJECT BHS-06921041				



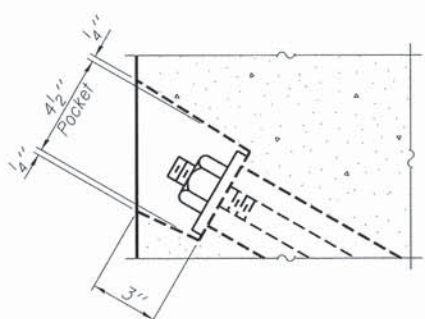
FABRIC BEARING PAD
(Interior - 18 Req'd.)



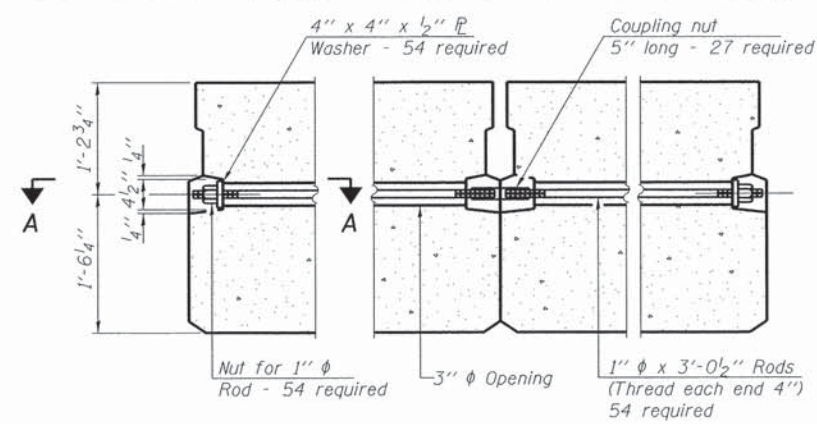
FABRIC BEARING PAD
(Exterior - 4 Req'd.)

FIXED

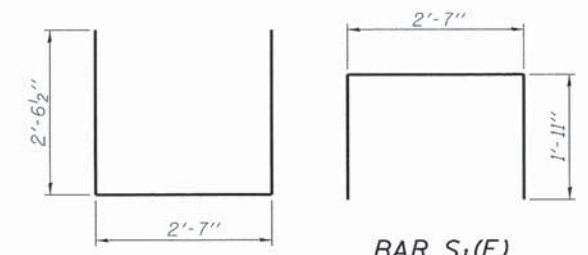
Notes:
All bearing pads shall be 1" thick.
Omit holes when using expansion bearings.
Expansion bearing pad shall be bonded to the substructure.
20'-0"



SECTION A-A

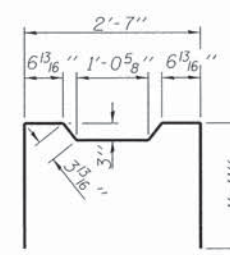


TYPICAL TRANSVERSE TIE ASSEMBLY



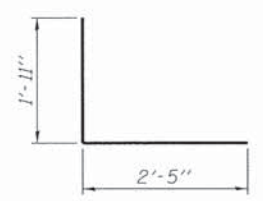
BAR S₁(E)

BAR S(E)

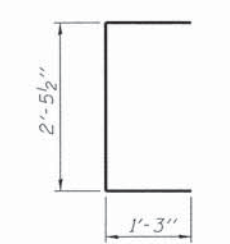


BAR S₂(E)

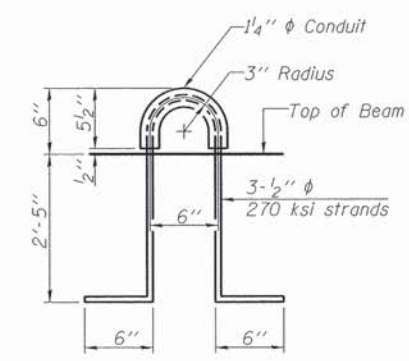
BAR S₃(E)



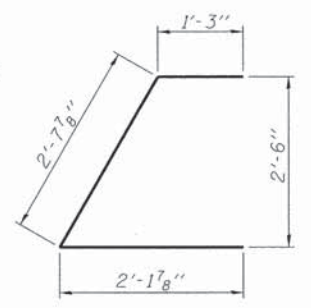
BAR S₄(E)



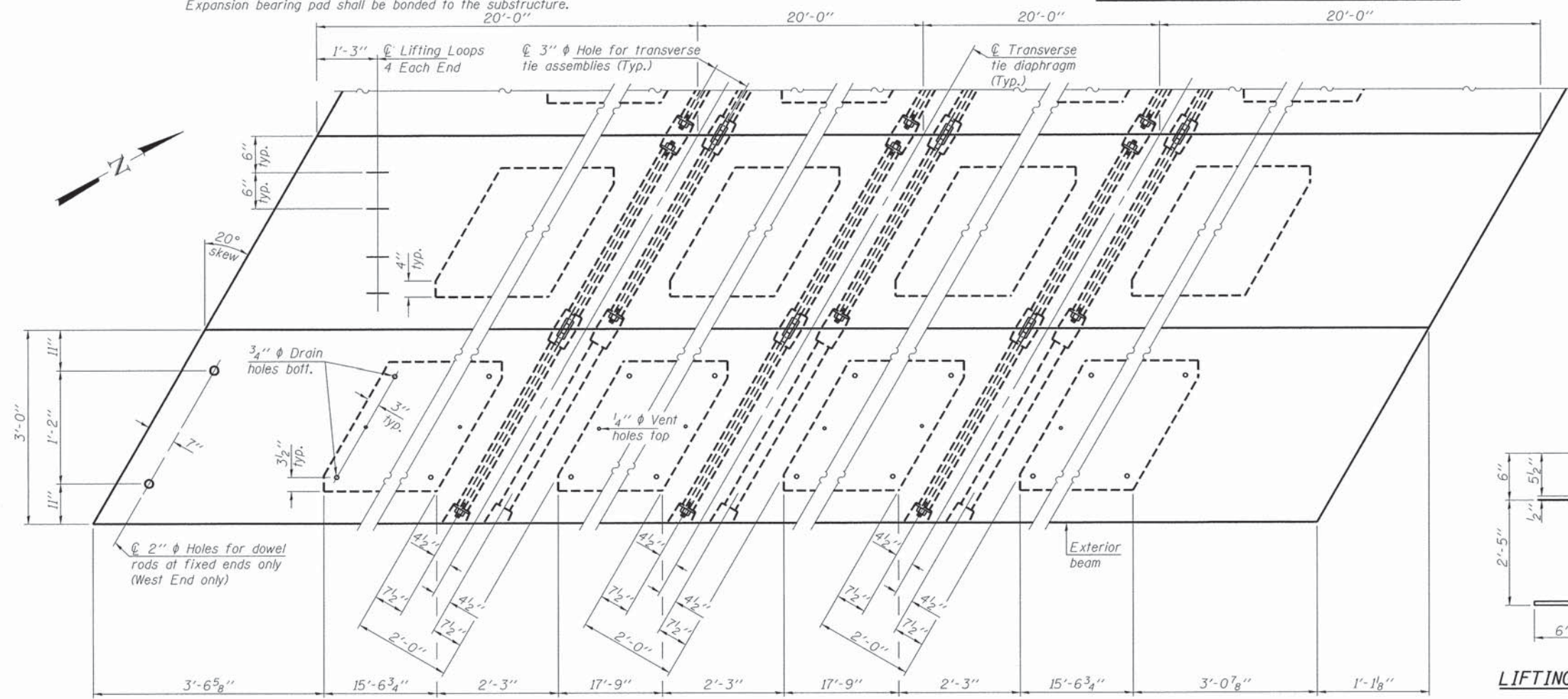
BAR U(E)



LIFTING LOOP DETAIL



BAR U₁(E)



PLAN VIEW

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" phi 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 A 706, Grade 60. (See Special Provisions).
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" phi 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.
Reinforcement bars designated (E) shall be epoxy coated.

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

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (33" depth)	Sq. Ft.	2,400
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PD-3336-LD

1-28-16

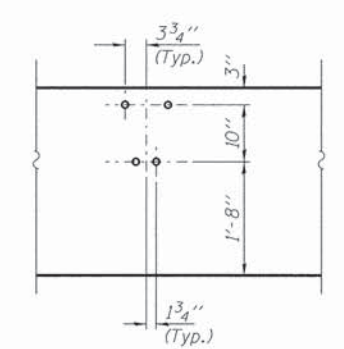
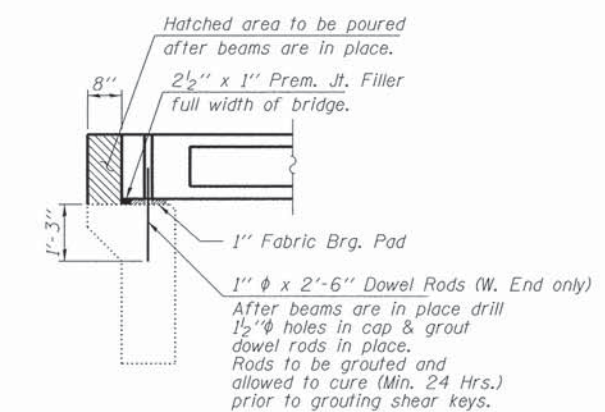
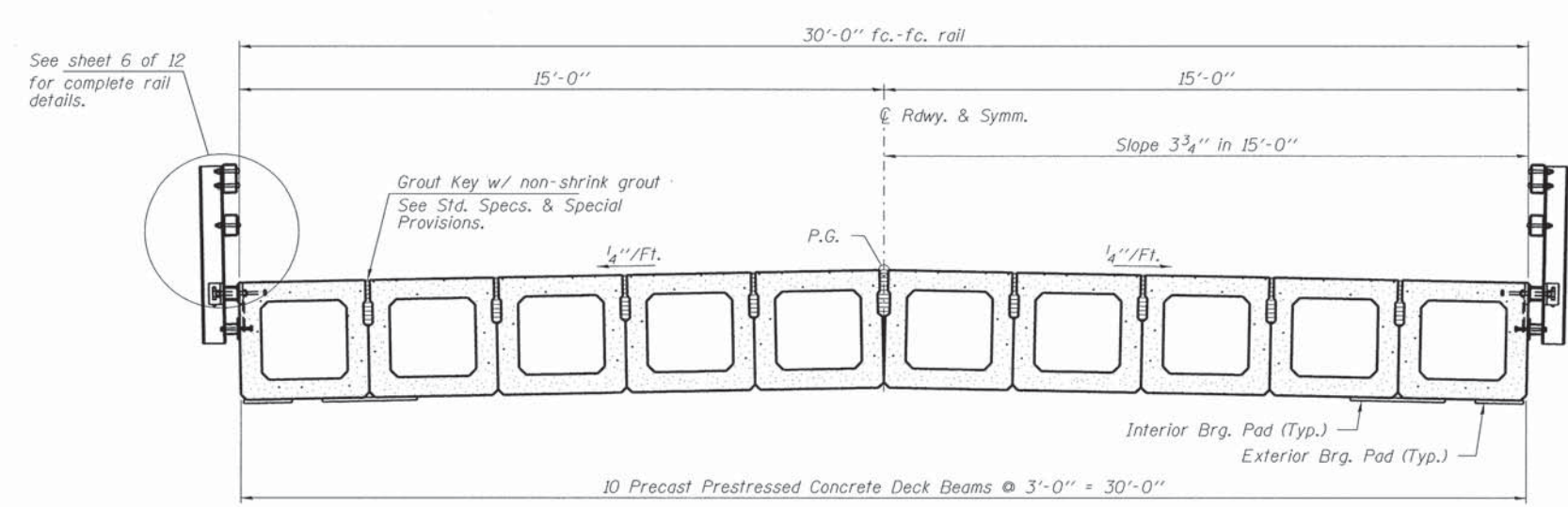
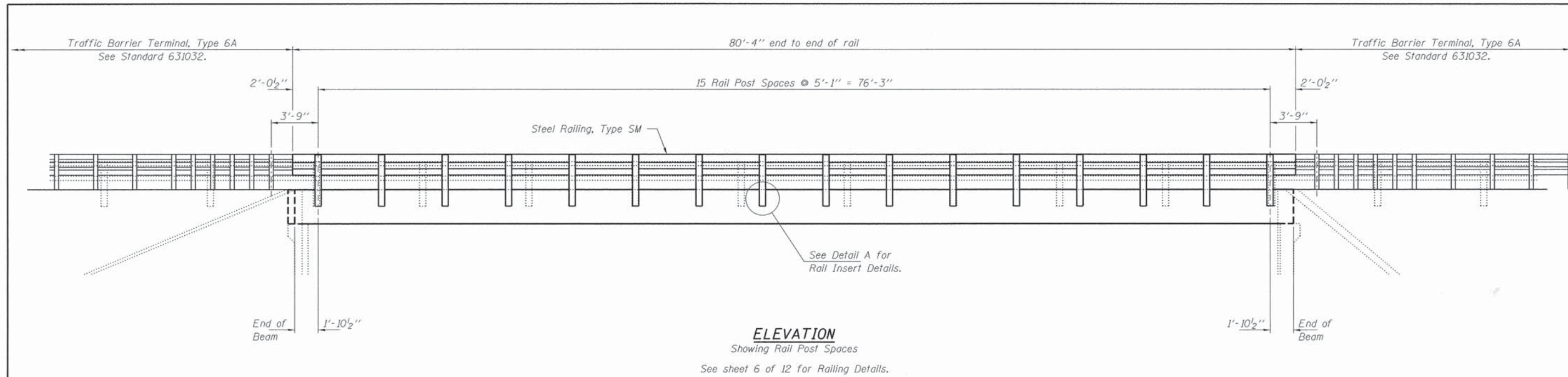
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3045 STEVENSON DRIVE, SUITE 201	CHECKED - S.W.M.
SPRINGFIELD, ILLINOIS 62703	DRAWN - R.D.H.
ILLINOIS PROFESSIONAL DESIGN FIRM	CHECKED - S.W.M.
LS/P/E/SE CORP. 184-00893	REVISED -
PLOT SCALE =	REVISED -
PLOT DATE = 4/1/2016	REVISED -

STATE OF ILLINOIS
CLARK COUNTY HIGHWAY DEPARTMENT

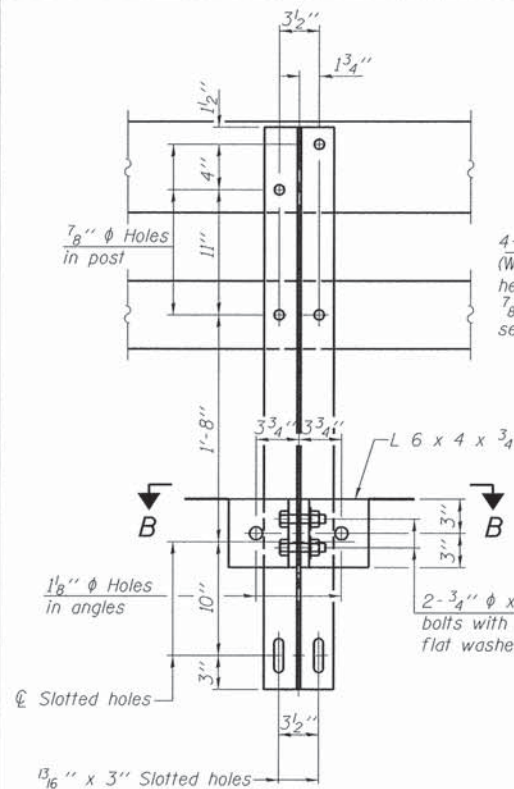
33" x 36" PPC DECK BEAM DETAILS
STRUCTURE NO. 012-3011

SHEET NO. 4 OF 12 SHEETS

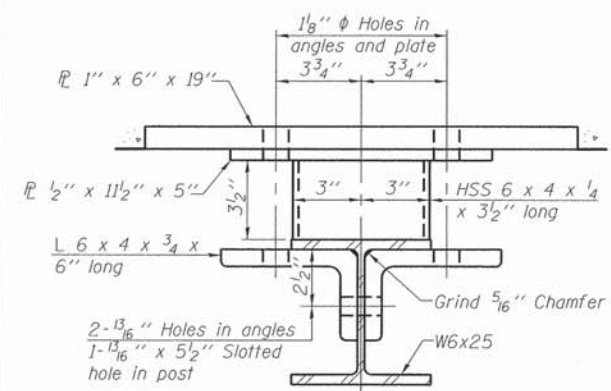
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	9
CONTRACT NO. 95793			ILLINOIS FED. AID PROJECT BHS-06921041	



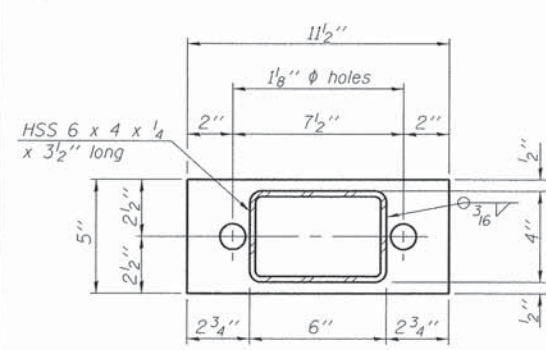
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HAMPTON, LENZINI AND RENWICK, INC. 2045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761 ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184.000959	PLOT SCALE =	CHECKED - S.W.M.	REVISED -			692	16-00275-00-BR	CLARK	27	10	
PLOT DATE = 4/1/2016		DRAWN - R.D.H.	REVISED -			CONTRACT NO. 95793					
		CHECKED - S.W.M.	REVISED -			ILLINOIS FED. AID PROJECT BHS-06921041					
SHEET NO. 5 OF 12 SHEETS											



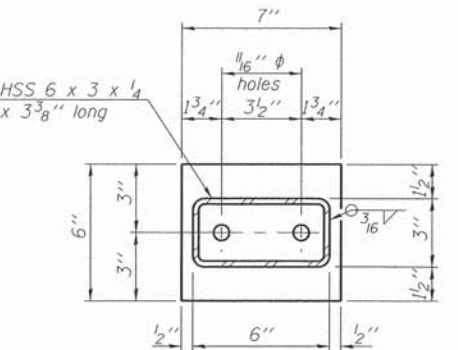
SECTION A-A



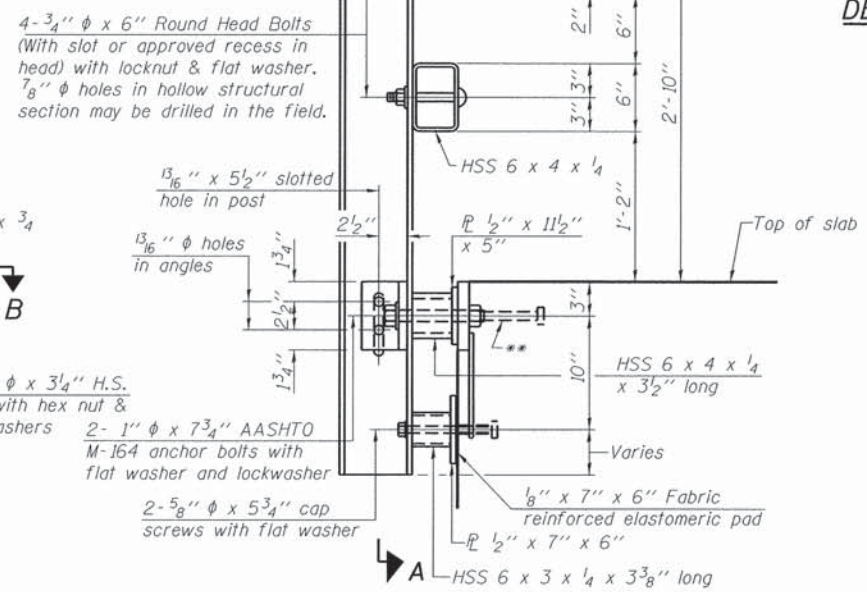
SECTION B-B



1/2" x 11 1/2" x 5"

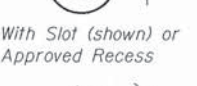
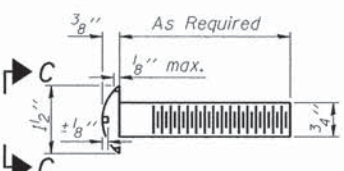


1/2" x 7" x 6"

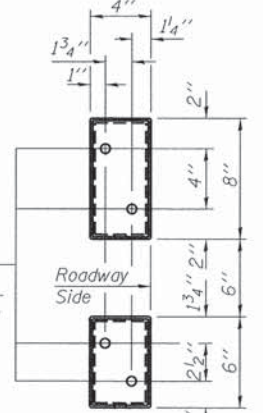


SECTION AT RAIL POST

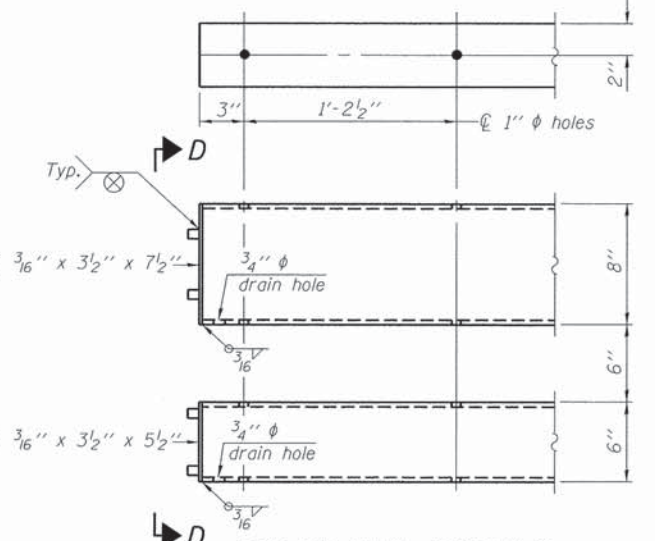
DETAIL OF 3/4" Ø ROUND HEAD BOLT



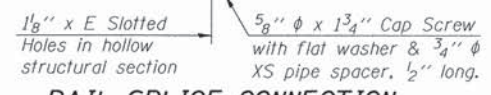
VIEW C-C



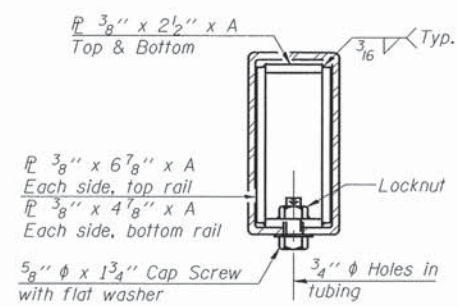
VIEW D-D



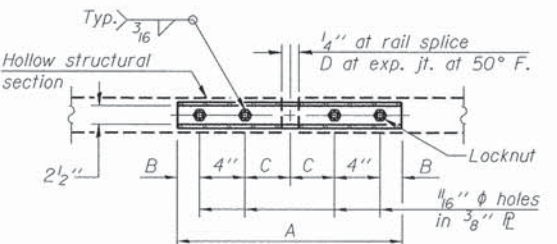
END OF RAIL DETAILS



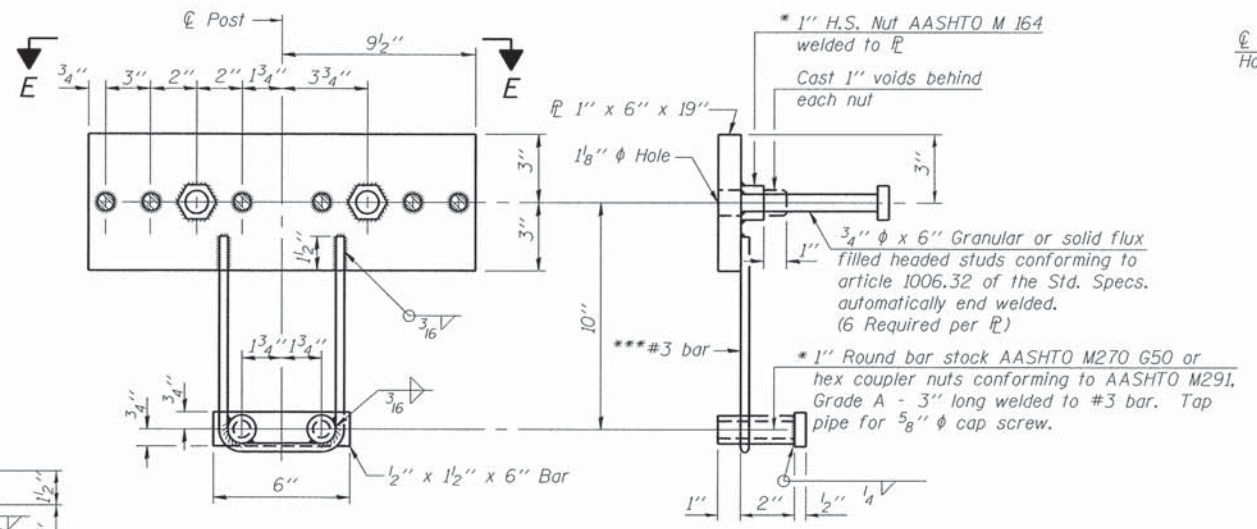
RAIL SPLICE CONNECTION AT EXPANSION JT.



SECTION AT RAIL SPLICE



PLAN-BOTT. SPLICE TYPICAL



ANCHOR DEVICE

SPLICE DIMENSIONS

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

*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".

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 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	161

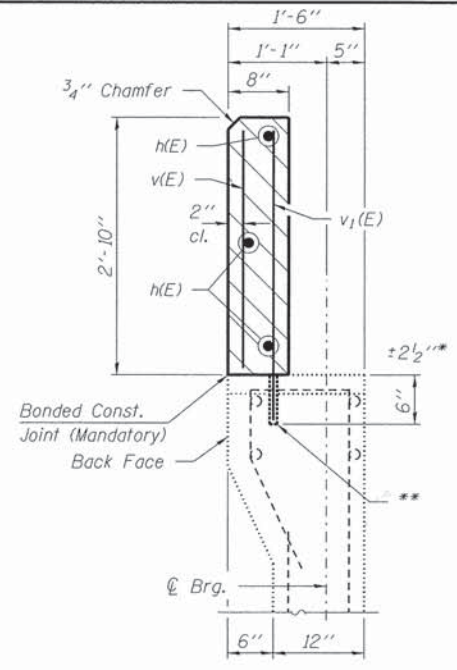
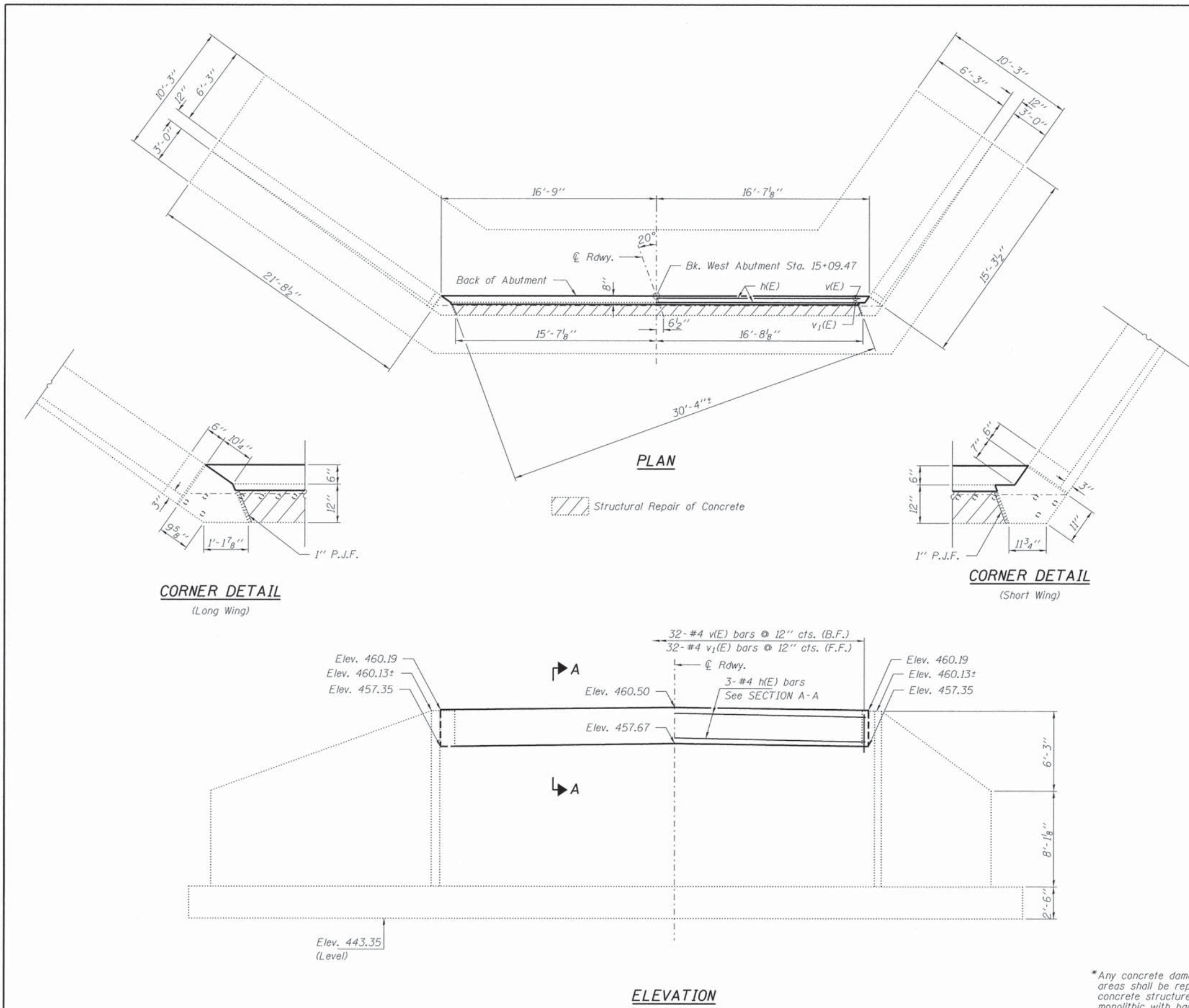
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HAMPTON, LENZINI AND RENWICK, INC. 3885 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184 000959	PLOT DATE = 4/1/2016	DRAWN - R.D.H.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
CLARK COUNTY HIGHWAY DEPARTMENT

STEEL RAILING, TYPE SM
STRUCTURE NO. 012-3011

SHEET NO. 6 OF 12 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	11
				CONTRACT NO. 95793
ILLINOIS FED. AID PROJECT BHS-069210(4)				



SECTION A-A

Hatched area to be poured after beams are in place.

Notes: Upon removal of the existing superstructure, the bearing areas of the abutments shall be inspected by the Engineer. Surface areas deemed unsound by the Engineer shall be repaired as described in these Notes.

Existing reinforcement to remain in place. If reinforcement is damaged, it shall be replaced, at the Contractor's expense. Replacement bars shall be drilled and grouted.

The areas to be repaired shall have all loose, unsound concrete removed completely by the use of an electric chisel or other mechanical tools approved by the Engineer. All exposed reinforcing bars shall be thoroughly cleaned and undercut to a depth that will permit a minimum of one inch (1") of plastic concrete over the reinforcing bars. When removing the existing concrete, the contractor shall provide a 1" deep saw cut along the outside edge of the repair area. After removing the unsound concrete from the surface, the contractor shall thoroughly clean by sandblasting all areas involved. This work will be paid for at the contract unit price per cubic yard of Concrete Structures.

The formwork shall provide a smooth and uniform concrete finish most nearly matching the existing surface of the concrete structures. Formwork shall be completely mortar tight and closely fitted where they adjoin the existing concrete surface to prevent leakage. The Contractor may use exterior vibration, as approved by the Engineer, to release air pockets that may be entrapped.

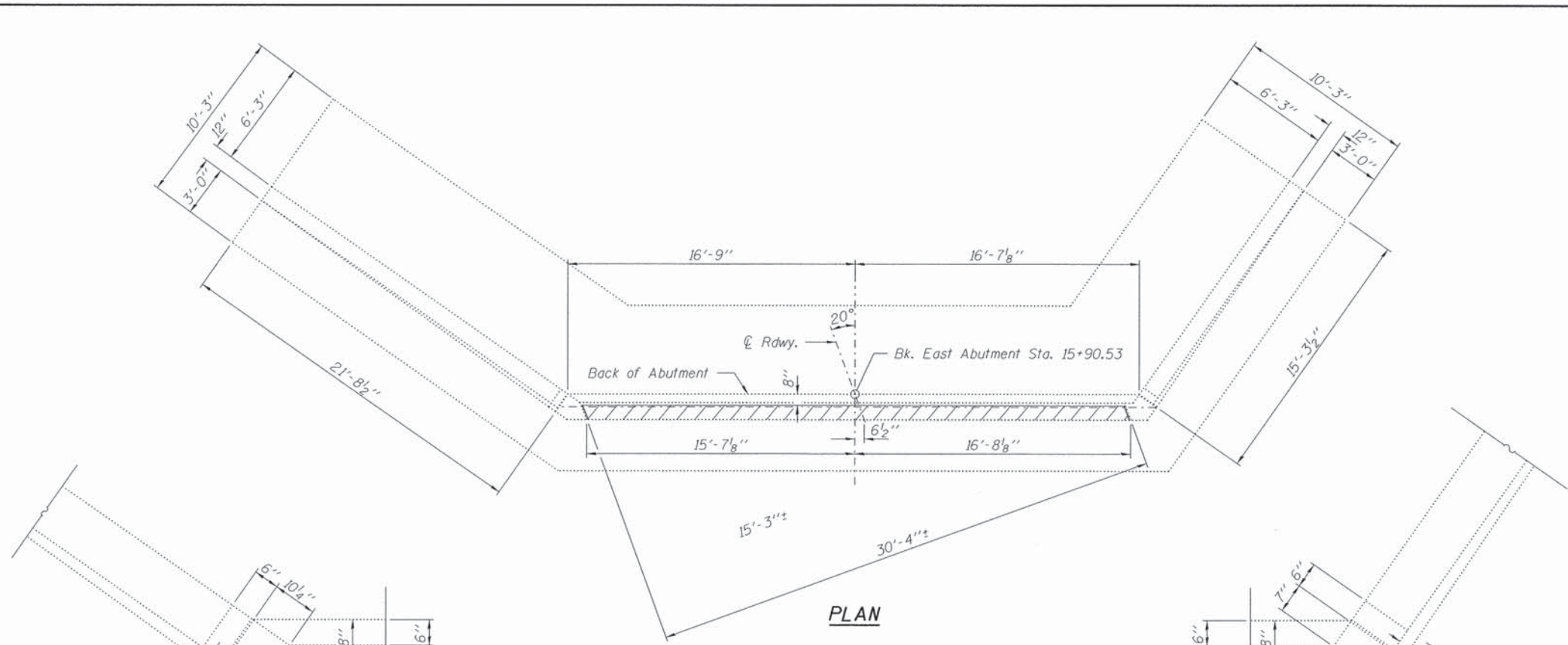
BILL OF MATERIAL - W. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	3	#4	3'-4"	—
v(E)	32	#4	2'-8"	—
v1(E)	32	#4	3'-6"	—
Concrete Structures			Cu. Yd.	2.3
Reinforcement Bars, Epoxy Coated			Pound	190
Concrete Sealer			Sq. Ft.	27
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)			Sq. Ft.	38

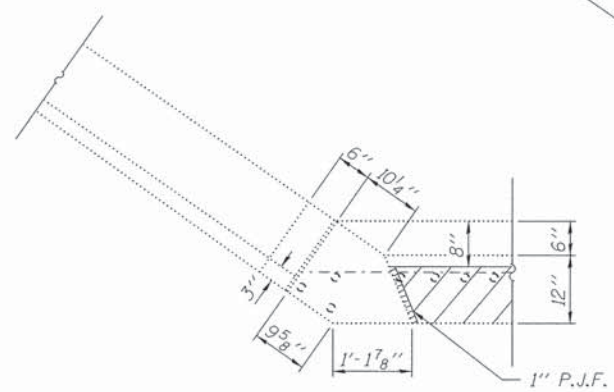
All reinforcement bars shall be epoxy coated

*Any concrete damage in these areas shall be repaired as concrete structure & poured monolithic with back wall.

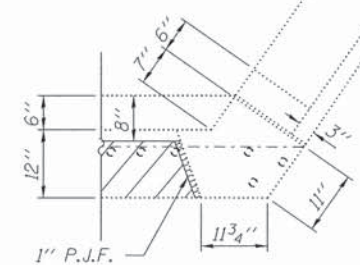
**Drill & grout into existing abutment cap. Cost for drilling & grouting should be included in cost of reinforcement bars. Drilled bars shall be located 6" Min. from outside face of cap to miss existing reinforcement.



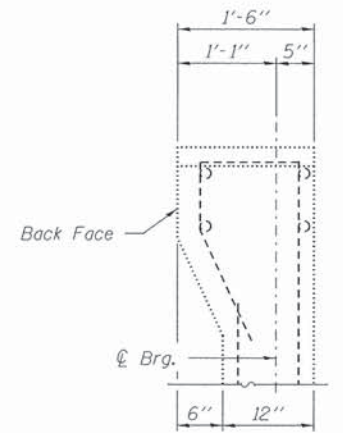
PLAN



CORNER DETAIL
(Long Wing)



CORNER DETAIL
(Short Wing)



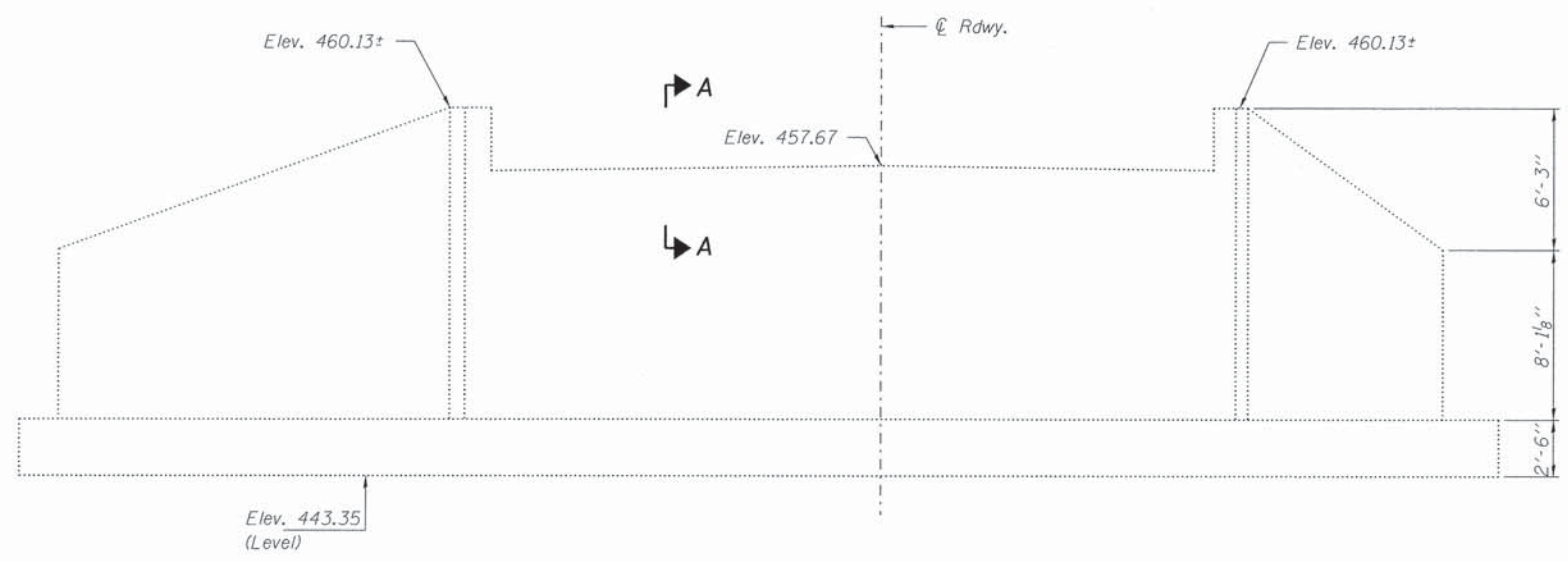
SECTION A-A
Hatched area to be poured after beams are in place.

Notes: Upon removal of the existing superstructure, the bearing areas of the abutments shall be inspected by the Engineer. Surface areas deemed unsound by the Engineer shall be repaired as described in these Notes.

Existing reinforcement to remain in place. If reinforcement is damaged, it shall be replaced, at the Contractor's expense. Replacement bars shall be drilled and grouted.

The areas to be repaired shall have all loose, unsound concrete removed completely by the use of an electric chisel or other mechanical tools approved by the Engineer. All exposed reinforcing bars shall be thoroughly cleaned and undercut to a depth that will permit a minimum of one inch (1") of plastic concrete over the reinforcing bars. When removing the existing concrete, the contractor shall provide a 1" deep saw cut along the outside edge of the repair area. After removing the unsound concrete from the surface, the contractor shall thoroughly clean by sandblasting all areas involved. This work will be paid for at the contract unit price per cubic yard of Concrete Structures.

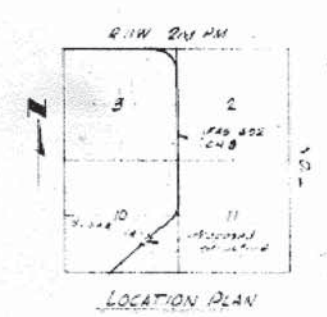
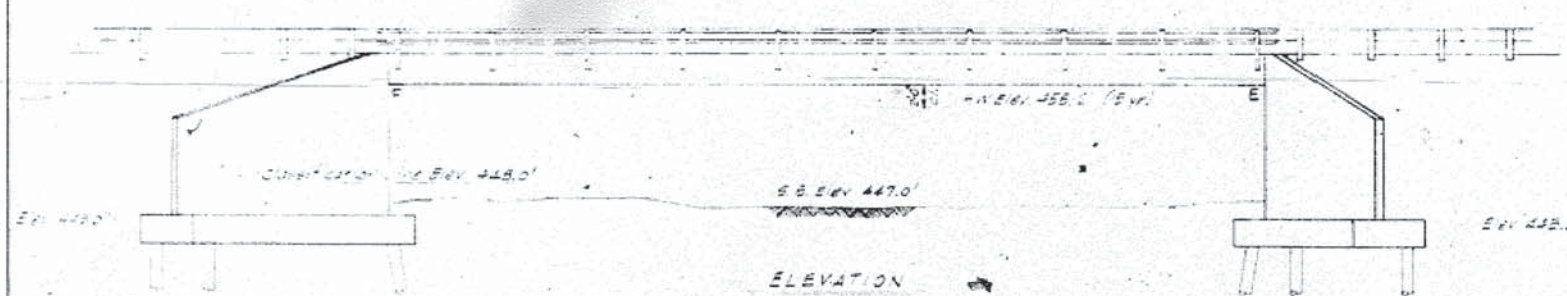
The formwork shall provide a smooth and uniform concrete finish most nearly matching the existing surface of the concrete structures. Formwork shall be completely mortar tight and closely fitted where they adjoin the existing concrete surface to prevent leakage. The Contractor may use exterior vibration, as approved by the Engineer, to release air pockets that may be entrapped.



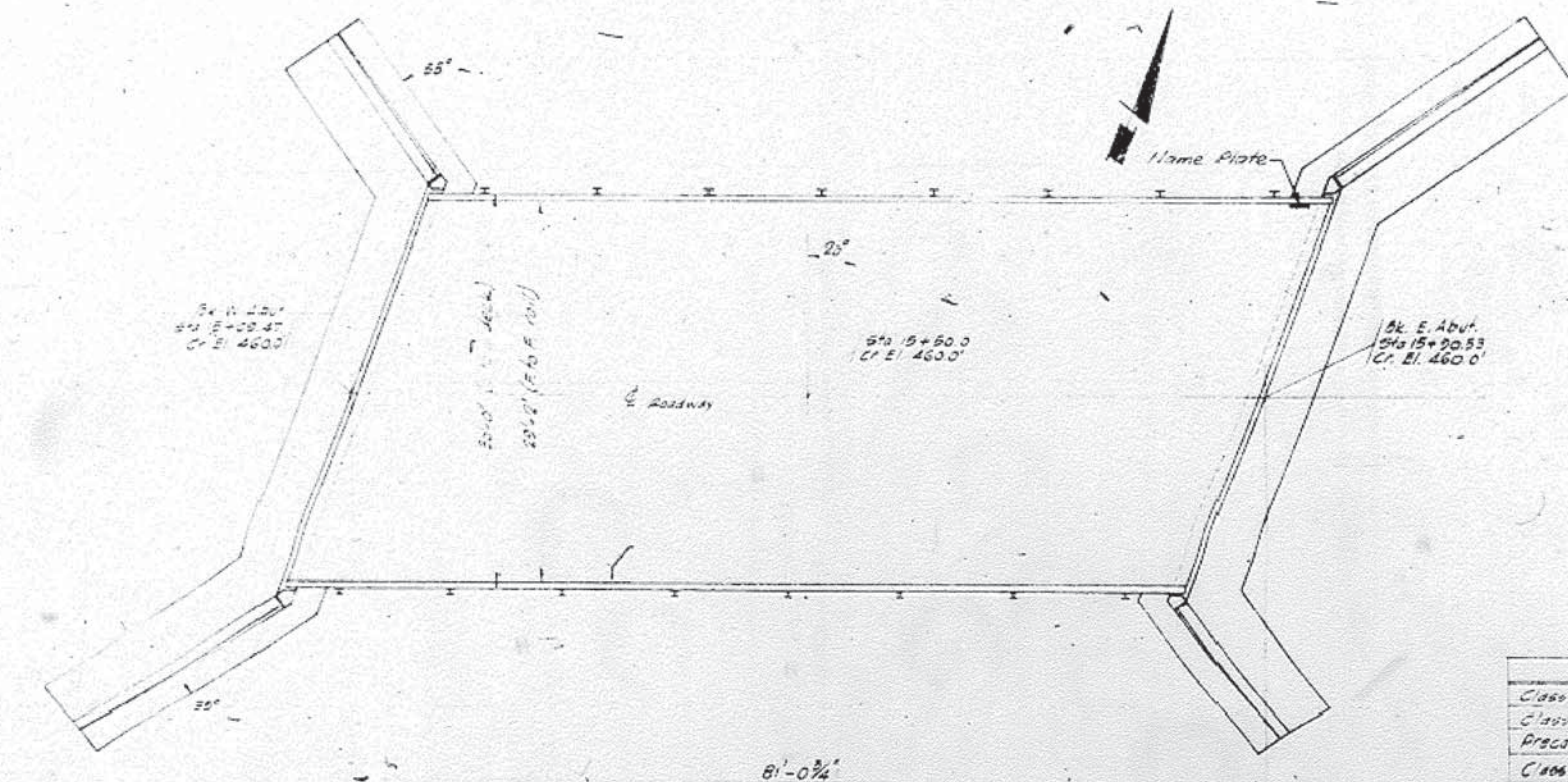
ELEVATION

BILL OF MATERIAL - E. ABUT.

Item	Unit	Quantity
Concrete Sealer	Sq. Ft.	49
Structural Repair of Concrete (Depth Equal to or Less than 5 Inches)	Sq. Ft.	38



GENERAL NOTES
 1. Class X concrete shall be used in abutments.
 2. Reinforcement bars shall be lap spliced.
 3. The bottom of the abutments and the bridge deck shall be waterproofed in accordance with the Standard Specifications for Road and Bridge Construction, Section 508.02.
 4. For the 'Abutment Enclosure' the standard bearing piles shall be used.
 5. The Contractor shall be responsible for the removal of any existing structures and the Engineer shall be responsible for the design of the bridge.



STA. 15+50
 SUGAR CREEK
 BUILT 19
 F.A.S. RT. 692 SEC. 211B
 F.A. PROJECT S-692(10)
 LOADING HS-20

NAME PLATE
 Located at Northwest Corner of Structure

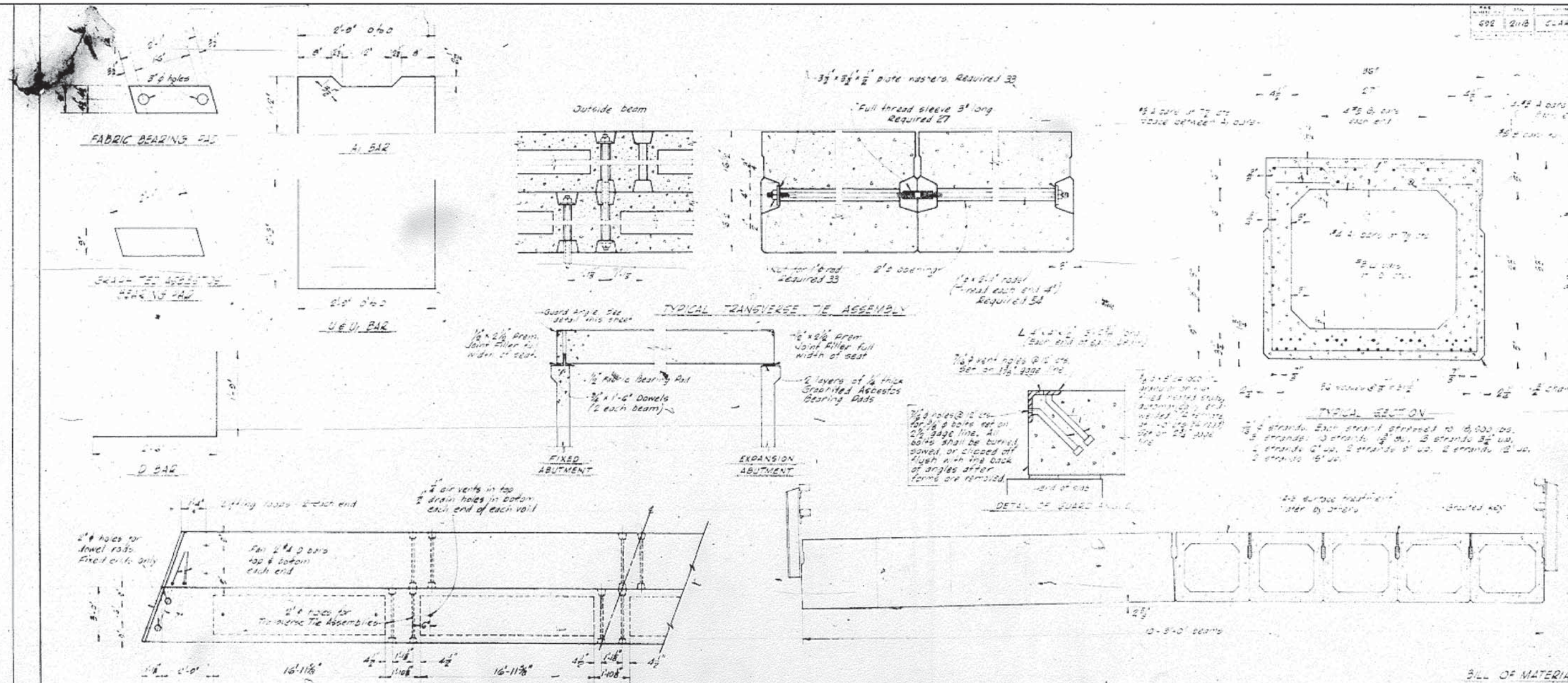
The backfill behind the East Abutment is the responsibility of the County.

MATERIALS SPECIFICATION
 Excavation Class
 Character
 Quantity
 Unit
 Description
 Location HS-20-44

Item	Unit	Quantity
Class A Excavation for Structures	CY	310
Class B Excavation for Structures	CY	180
Precast Prestressed Concrete Deck Slabs	SF	2400
Class X Concrete	CY	192.7
Reinforcement Bars	LBs	19,710
Structural Tube Bridge Wall	LF	160
Furnishing Untreated Piles (30.1' to 45')	LF	3325
Test Pile, Timber	Ea	1
Name Plate	Ea	1
Removal of Existing Structures	Ea	1
Driving Timber Piles	LF	3325

Russell R. Dand

DESIGNED
 DRAWN
 FAS RT 692
 CL
 S



GENERAL NOTES

1. Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand. The nominal diameter shall be 7/8" and the nominal cross-sectional area shall be 3.82 sq in. Lifting loops shall be multiples of 1/2" or 3/4" strands. Each loop shall have 4 strands.

2. The 1" rods in the Transverse tie assembly shall be tightened to a snug fit and the threads cut. Packets that receive transverse tie bar on outside beam shall be filled with grout after transverse tie assembly is in place.

3. Longitudinal shear keys shall be packed with a very dry mix of 1/4" sand and P.C. mortar.

4. After beams have been erected, holes for the dowel anchors shall be drilled into the sub-structure and the anchor dowels shall be grouted in place.

5. Steel for dowel rods shall be ASTM A-306 or ASTM A-615. Transverse tie rods shall be ASTM A-306, grade 70-80.

6. After fabrication the transverse tie assemblies (tie rods, nuts, washers and clevis) shall be hot-dipped galvanized in accordance with ASTM Designation A153.

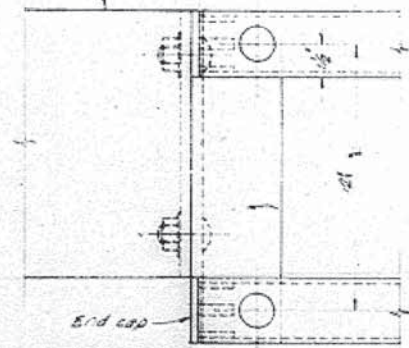
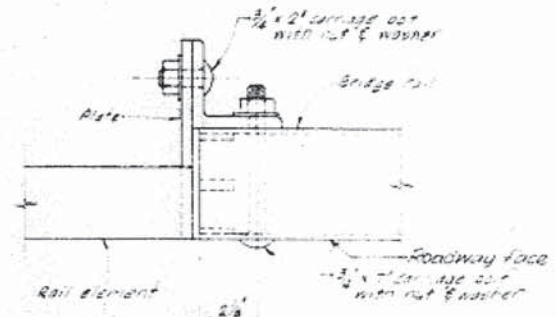
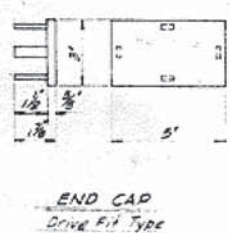
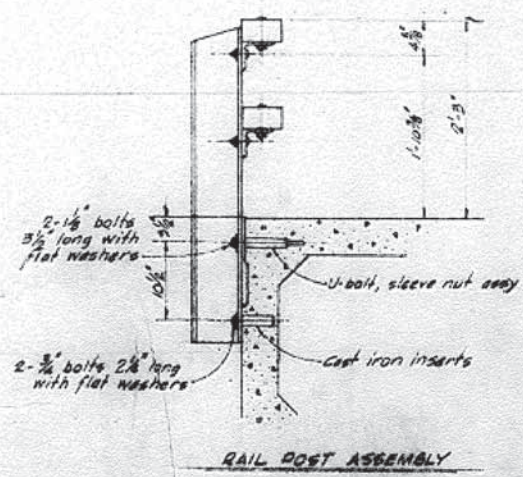
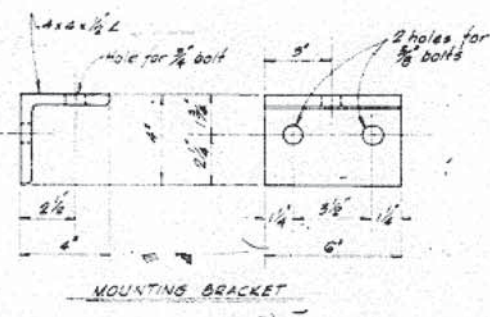
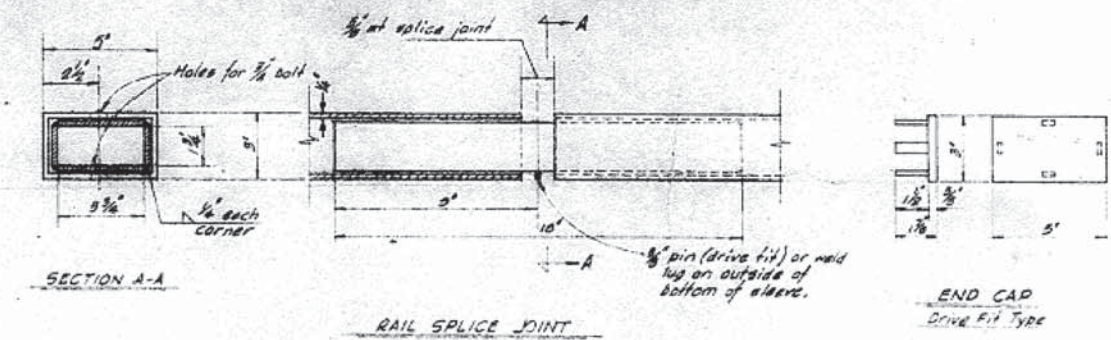
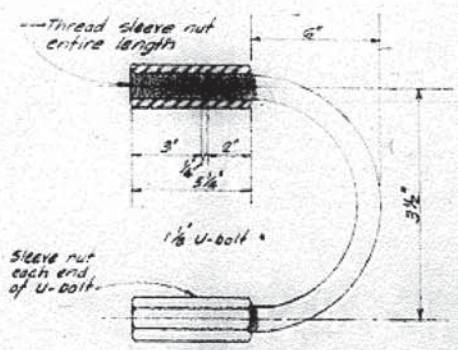
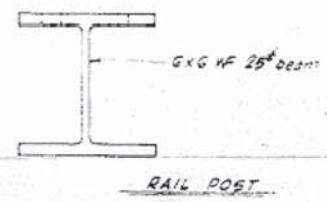
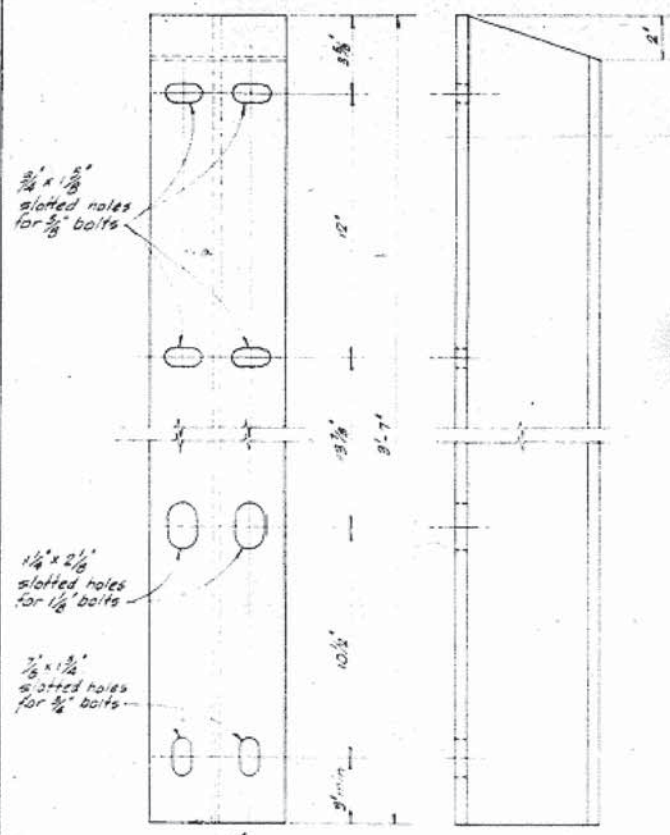
7. Cost of reinforcement and accessories cast into the beam, or bearing pads, of armor angles, and of grouting longitudinal shear keys is included in unit price bid for Precast Prestressed Concrete Deck Beams.

8. An alternate strand pattern using Extra High Strength Prestressing Strand (270 ksi) is permitted. See Special Provisions.

BILL OF MATERIAL

Bar No	Qty	Size	Let
A	1350	#3	2
A1	1260	#6	5
B	60	#5	27
B1	30	#5	15
B2	60	#4	27
U	500	#3	-
U1	30	#4	-
D	30	#4	4
Precast Prestressed Concrete Bridge Deck (33)			59

PROJ. 5-692(10)
 FAS RT 692
 CLARK COUNTY
 STATION 15+50

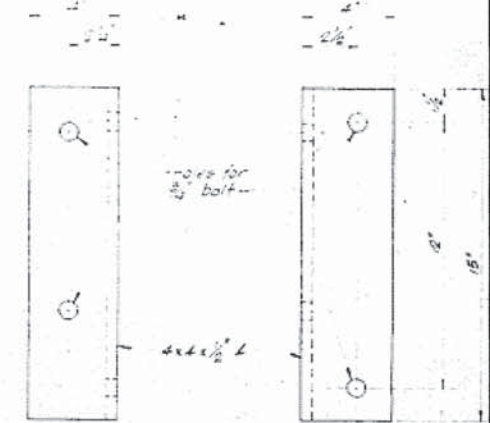


GENERAL NOTES

- All posts, rail elements, plates, and fasteners shall be galvanized in accordance with ASTM A-123 and A-307.
- All fabrication shall be completed and ready for galvanizing. No punching, grinding, cutting, or welding permitted after galvanizing.
- The rail post ends conform to the requirements of hollow structural steel tubing shall conform to the requirements of ASTM A-501 Hot Formed Welded and Seamless Steel.
- Boiling materials, bolts, cap screws, and nuts shall conform to the requirements of ASTM A-307.
- The fabrication and erection of the Bridge Rail shall conform to applicable portions of Sec. 508 of the Standard Specifications for Road & Bridge Construction adopted Aug. 1, 1968.
- The connection between the Bridge rail and the steel quarantail is included in Sec. 211-G, except that the hollow structural steel tubing for the 3/4 x 7 carriage cap is included in the fabrication of the bridge rail.

METHOD OF MEASUREMENT. Structural tube bridge rail shall be measured in linear feet. The length paid for shall be overall length through all posts and gaps.

UNIT PRICE. The unit price for the bridge rail shall be for the contract unit price, per linear foot, for the BRIDGE RAIL, measured as specified, which shall include the cost of materials, fabrication, transport, and erection. The cost of rail splices and end plates hardware to be incidental to item STRUCTURAL TUBING.



CONNECTOR ANGLE (Included in Sec. 211-G)

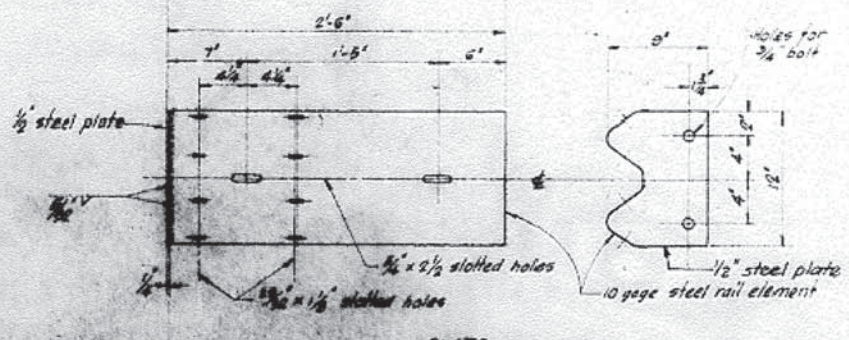


PLATE (Included in Sec. 211-G)

This detail shows revised dimensions for Plate 'B' included on STD. 2230-3.

Structural Tube Bridge Rail

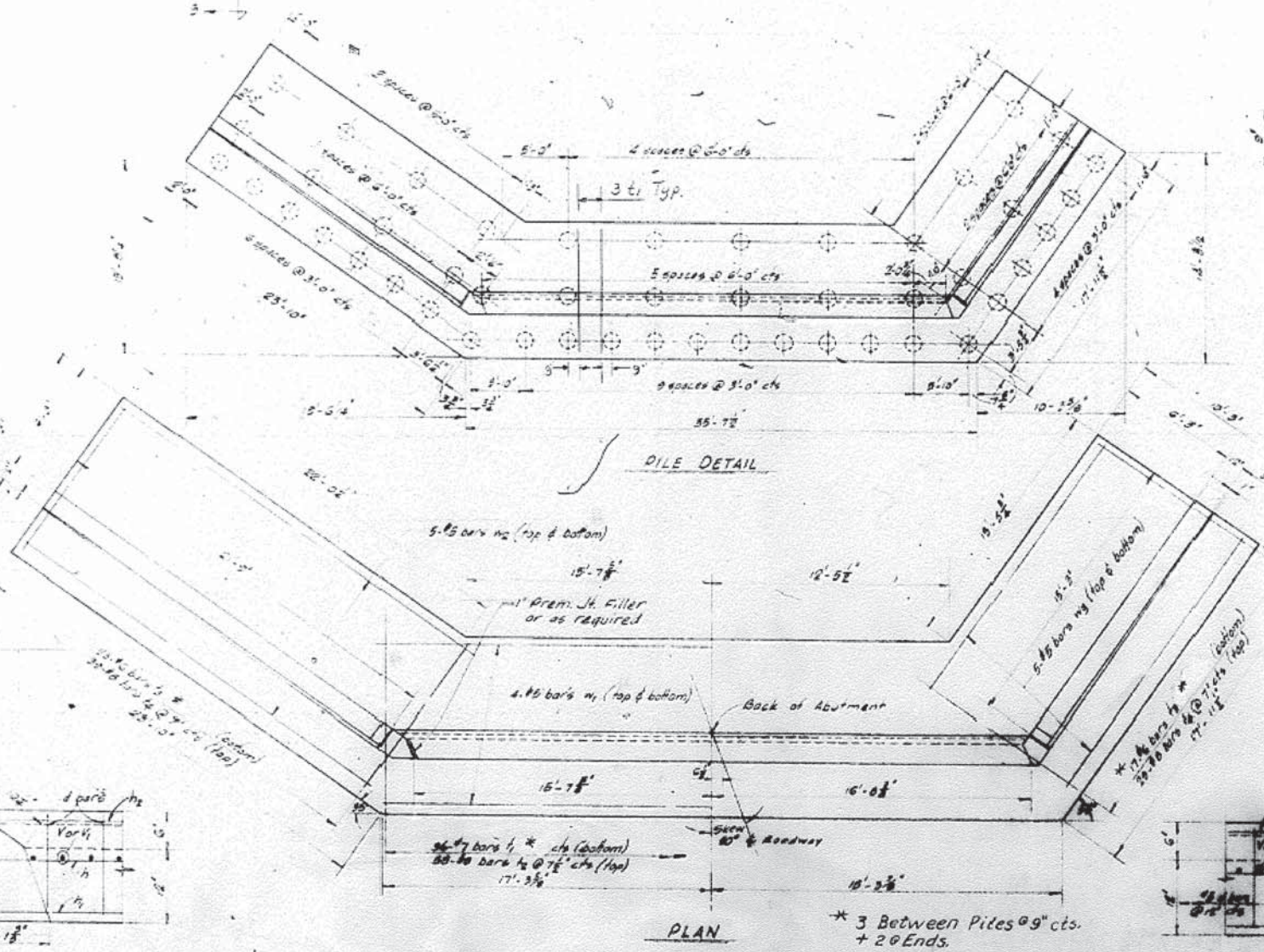
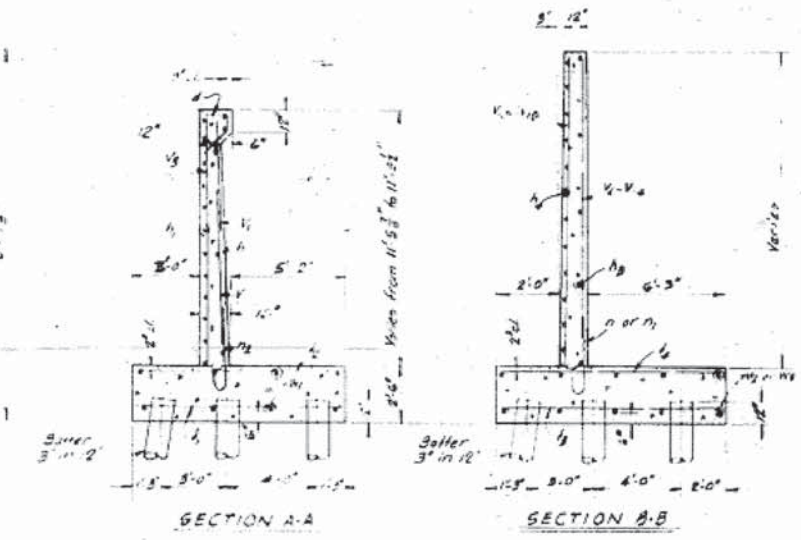
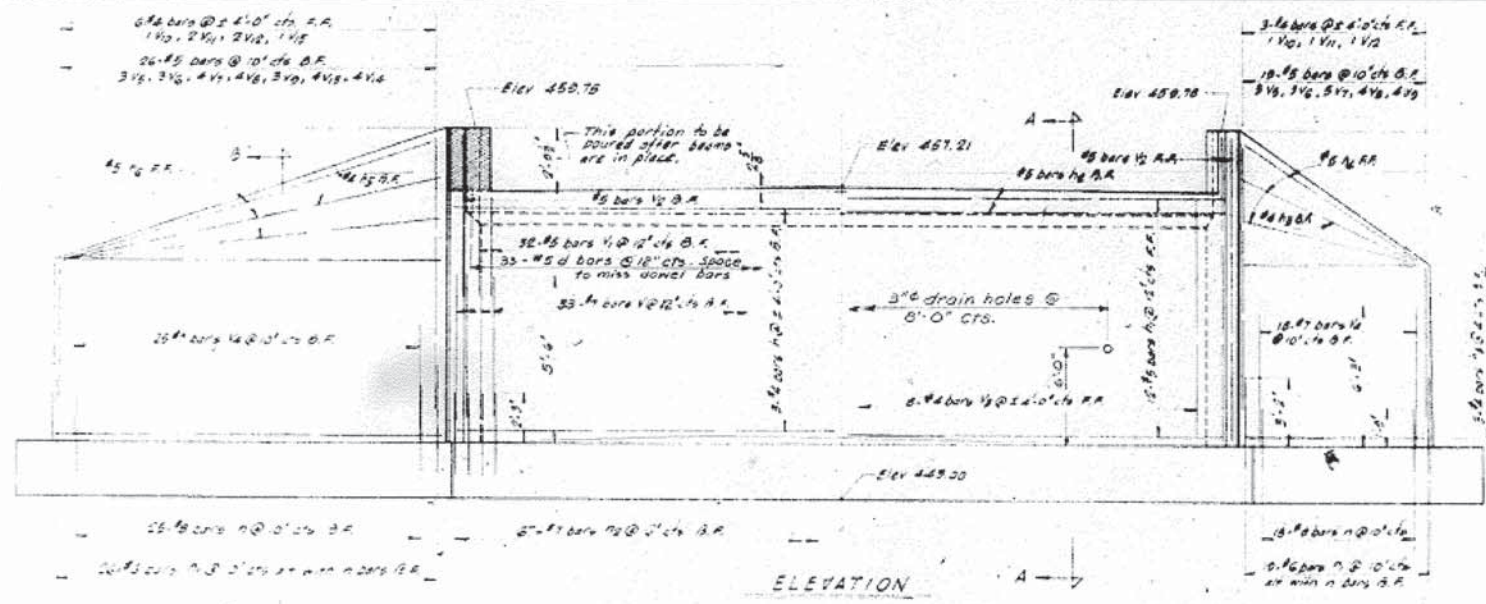
PROJ. S-692 (01)
FAS RT 692
CLARK COUNTY
STATION 15+54

FILE NAME = 150143-shr-bridge.dgn	USER NAME =	DESIGNED - L.A.P.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 303 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E. CORP. 184-00093	PLOT DATE = 4/1/2016	DRAWN - R.D.H.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
CLARK COUNTY HIGHWAY DEPARTMENT

EXISTING PLANS
STRUCTURE NO. 012-3011
SHEET NO. 11 OF 12 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	16
CONTRACT NO. 95793				
ILLINOIS FED. AID PROJECT BHS-06921041				



BILL OF MATERIAL

BAR NO.	NO.	SIZE	LENG.
h	12	#7	17'-10"
h	48	#5	17'-0"
h ₂	8	#5	15'-0"
h ₃	8	#4	16'-0"
h ₄	24	#5	18'-0"
h ₅	8	#4	21'-6"
h ₆	24	#5	21'-6"
d	66	#5	9'-8"
n	86	#5	4'-8"
n	90	#6	5'-8"
n ₂	134	#7	4'-7"
v	26	#7	5'-0"
v	64	#5	7'-0"
v ₂	12	#5	12'-0"
v ₃	6	#4	11'-9"
v ₄	12	#5	12'-9"
v ₅	12	#5	11'-9"
v ₆	16	#5	10'-9"
v ₇	14	#5	7'-0"
v ₈	4	#4	15'-6"
v ₉	6	#4	11'-0"
v ₁₀	6	#4	8'-9"
v ₁₁	8	#5	9'-6"
v ₁₂	8	#5	8'-6"
v ₁₃	2	#4	10'-9"
v ₁₄	72	#7	0'-8"
v ₁₅	116	#8	0'-8"
v ₁₆	80	#5	10'-0"
v ₁₇	98	#5	19'-0"
v ₁₈	60	#5	21'-8"
v ₁₉	20	#5	18'-0"

PILE DATA

Type: Timber
Capacity: 24 tons
Est. Length: 35 feet
No. Required: 35 plus
1 test pile

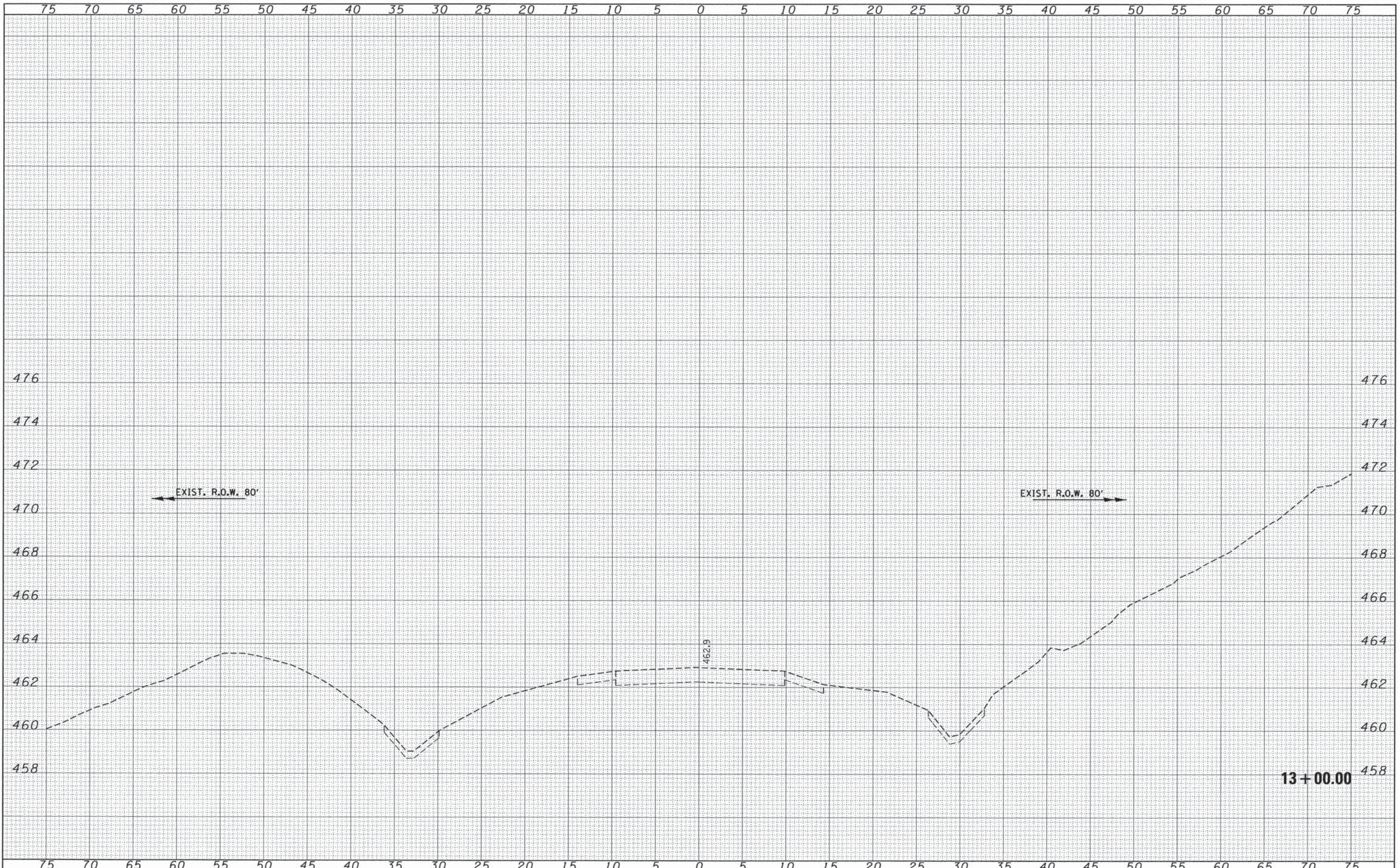
NOTES

Concrete cover over reinforcement bars 1/2" except as noted. Bar laps 24 diameters minimum.
Water seal in wing joint shall be 6" non-metallic hollow bulb type and extend from top of footing to within 6" of top of wing.
Dimensions on bar bending details are cut-out.
When necessary, 1/4" bars in bottom of footing shall be spaced to miss timber piles, as directed by the Engineer.

Class X Concrete G.Y.
Reinforcement Bars L6a
Existing Untreated Piles L
Test Pile, Timber Ea.
Class A Excavation G.Y.
Class B Excavation G.Y.
Driving Timber Piles L.B.

PROJ. S-692 (00)
FAS RT 692 SE
CLARK COUNTY
STATION 15 + 50

DESIGNED: [Signature]
DRAWN: [Signature]



DATE	BY	FINISHED SURVEY	SURVEYED
		NOTE BOOK	PLANNED
		NO.	AREAS CHECKED

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

FILE NAME = 150143-sht-sss.dgn
 HAMPSON, LENZINI AND RENWICK, INC.
 2085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62761
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 194.000889

USER NAME =
 PLOT SCALE =
 PLOT DATE = 4/1/2016

DESIGNED - L.A.P.
 DRAWN - T.W.K.
 CHECKED - S.W.M.
 DATE - 04/01/16

REVISED -
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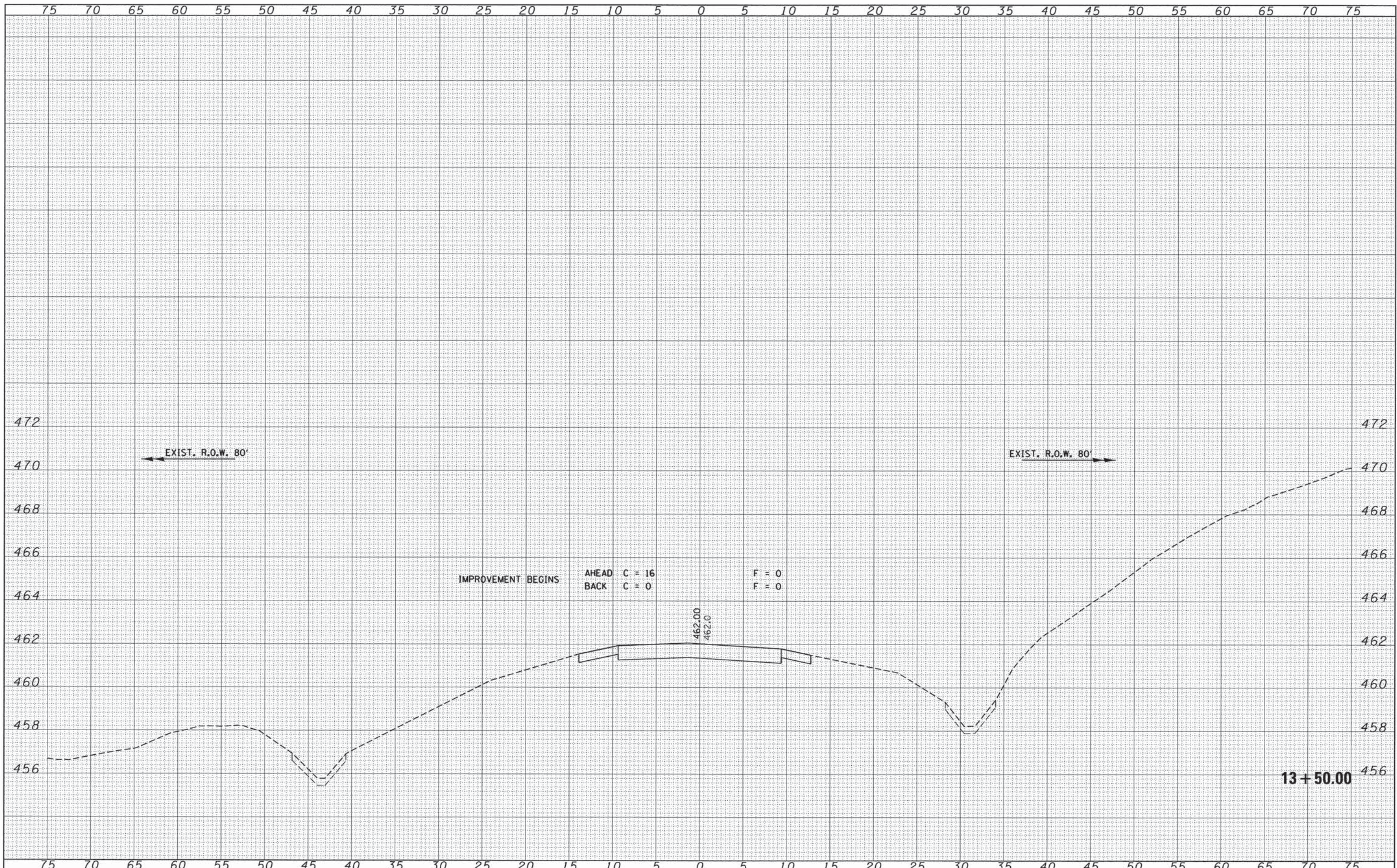
STATE OF ILLINOIS
 CLARK COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
 SCALE: 5H:2V
 SHEET NO. 1 OF 10 SHEETS
 STA. 13+00.00 TO STA. 13+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	18
				CONTRACT NO. 95793
ILLINOIS FED. AID PROJECT BHS-0692(104)				

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

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



FILE NAME = 150143-sht-sxs.dgn
 HAMPTON, LENZINI AND RENWICK, INC.
 3080 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62703
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000959

USER NAME =
 PLOT SCALE =
 PLOT DATE = 4/1/2016

DESIGNED - L.A.P.
 DRAWN - T.W.K.
 CHECKED - S.W.M.
 DATE - 04/01/16

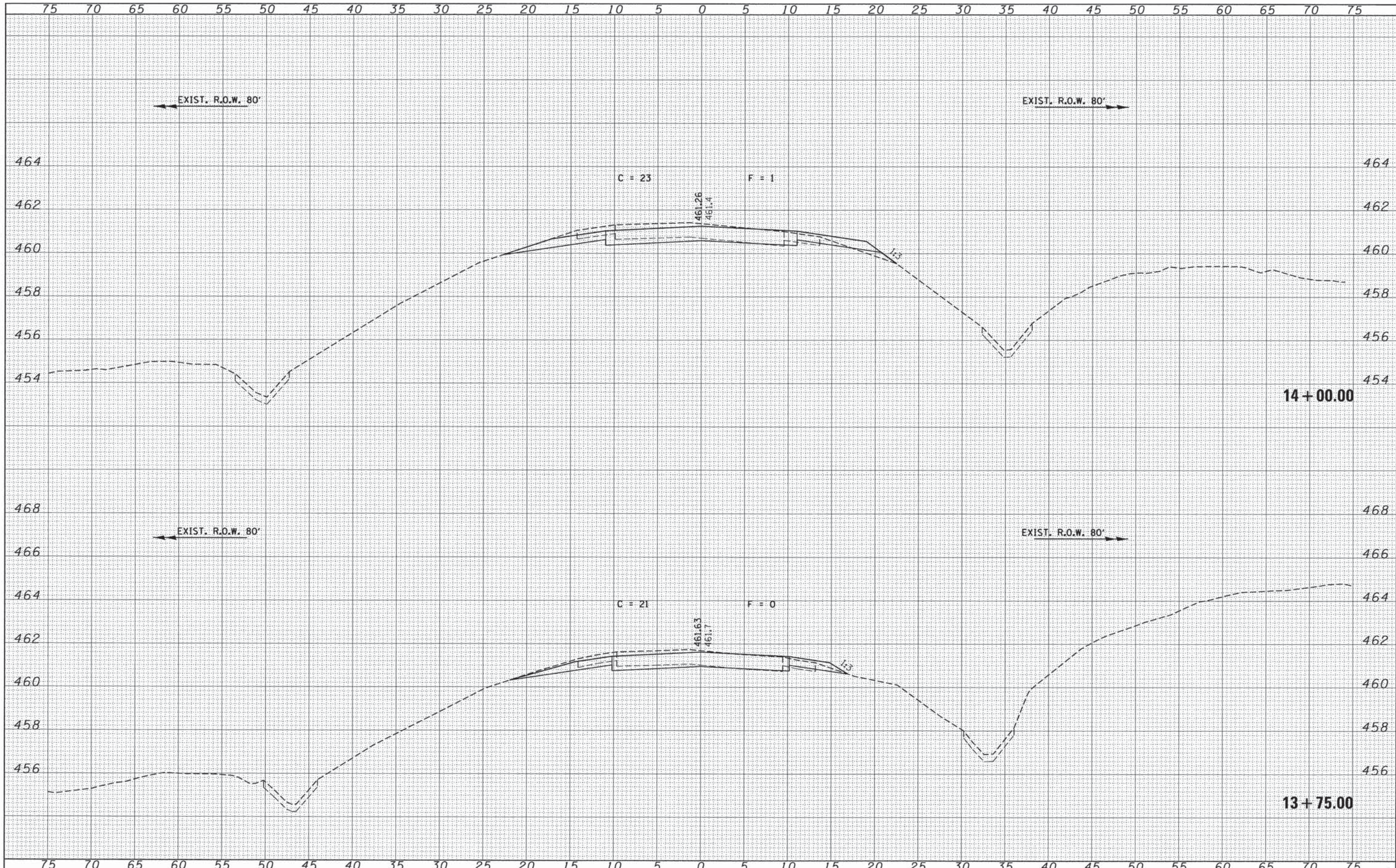
REVISED -
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STATE OF ILLINOIS
 CLARK COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V SHEET NO. 2 OF 10 SHEETS STA. 13+50.00 TO STA. 13+50.00

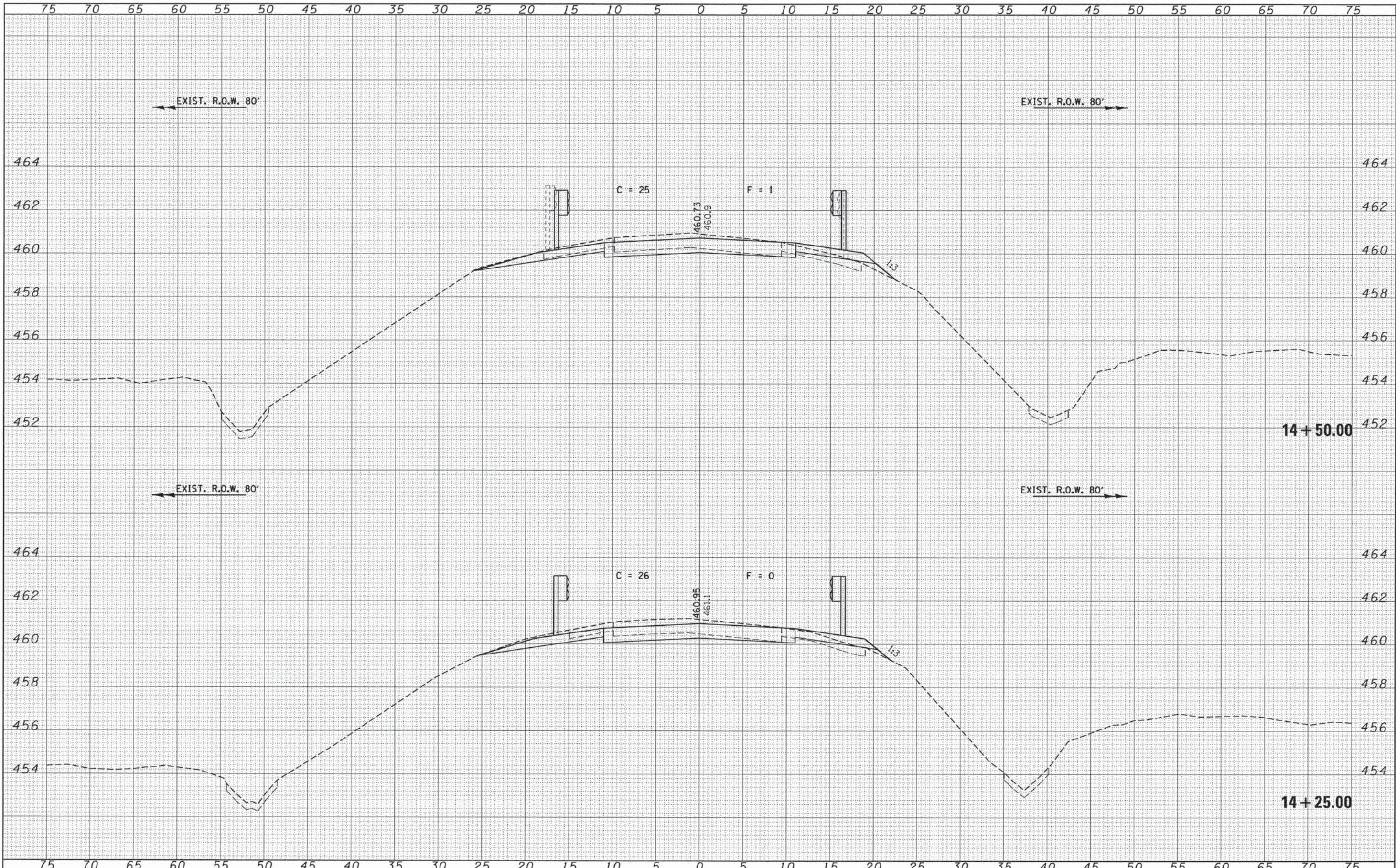
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	19
CONTRACT NO. 95793			ILLINOIS FED. AID PROJECT BHS-06921041	



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

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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FILE NAME = 150143-sh1-sws.dgn	USER NAME =	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 2005 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62761 ILLINOIS PROFESSIONAL DESIGN FIRM LSI/PE/SE CORP. 184.000988		DRAWN - T.W.K.	REVISED -		692	16-00275-00-BR	CLARK	27	20			
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	PLOT DATE = 4/1/2016	DATE - 04/01/16	REVISED -		ILLINOIS FED. AID PROJECT BHS-0692104							



DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
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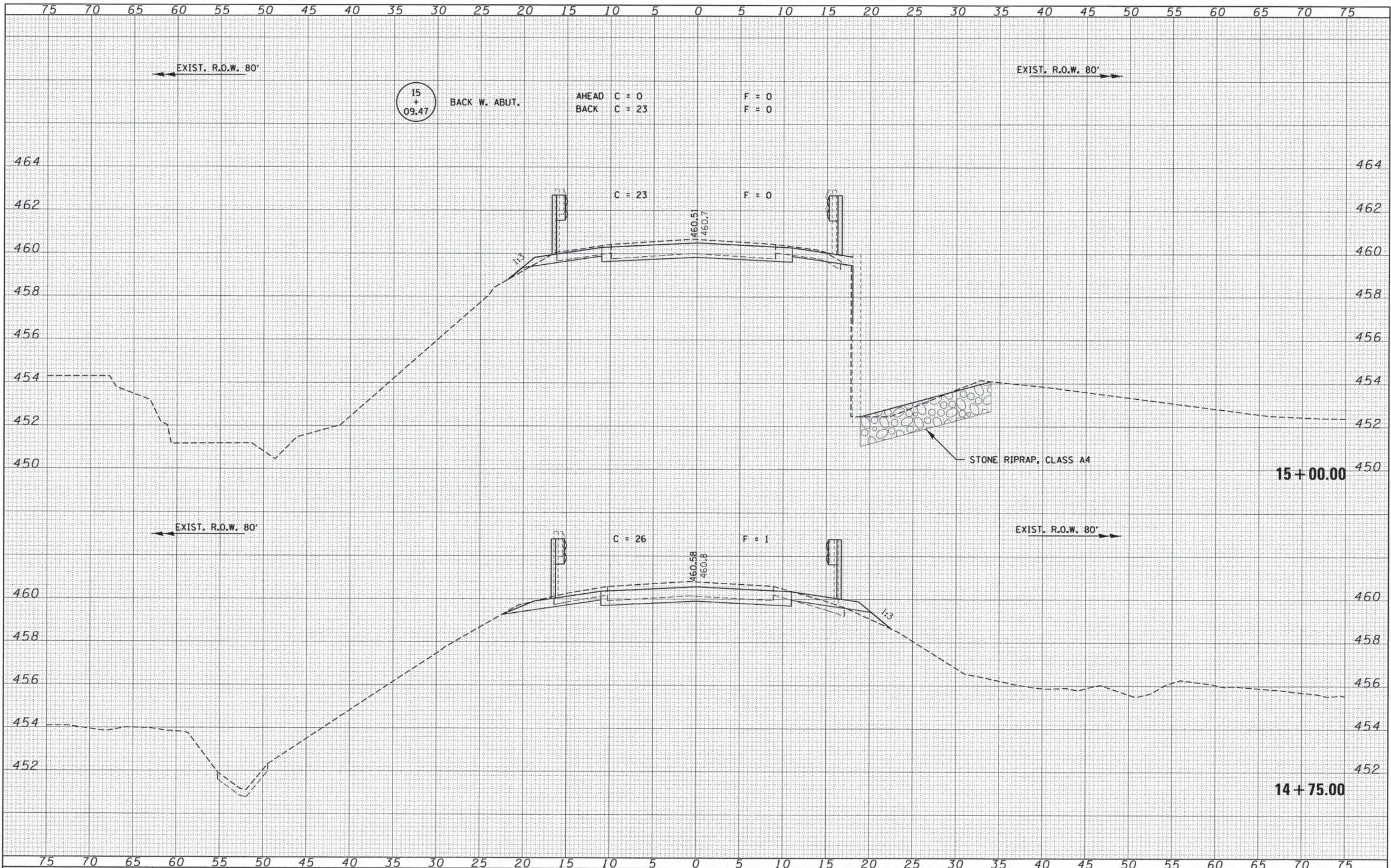
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DESIGNED - L.A.P.	REVISIED -
DRAWN - T.W.K.	REVISIED -
CHECKED - S.W.M.	REVISIED -
DATE - 04/01/16	REVISIED -
PLLOT SCALE =	
PLLOT DATE = 4/1/2016	

DESIGNED - L.A.P.	REVISIED -
DRAWN - T.W.K.	REVISIED -
CHECKED - S.W.M.	REVISIED -
DATE - 04/01/16	REVISIED -

STATE OF ILLINOIS
CLARK COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS	
SCALE: 5H:2V	SHEET NO. 4 OF 10 SHEETS
STA. 14+25.00	TO STA. 14+50.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	21
				CONTRACT NO. 95793
ILLINOIS FED. AID PROJECT BH5-06921104				



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

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

FILE NAME = 150143-sht-rss.dgn
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 DESIGNED - L.A.P.
 DRAWN - T.W.K.
 CHECKED - S.W.M.
 DATE - 04/01/16
 HAMPTON, LENZINI AND RENWICK, INC.
 3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62763
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 194-000659

PLOT SCALE =
 PLOT DATE = 4/1/2016

REVISOR
 REVISION
 REVISION
 REVISION

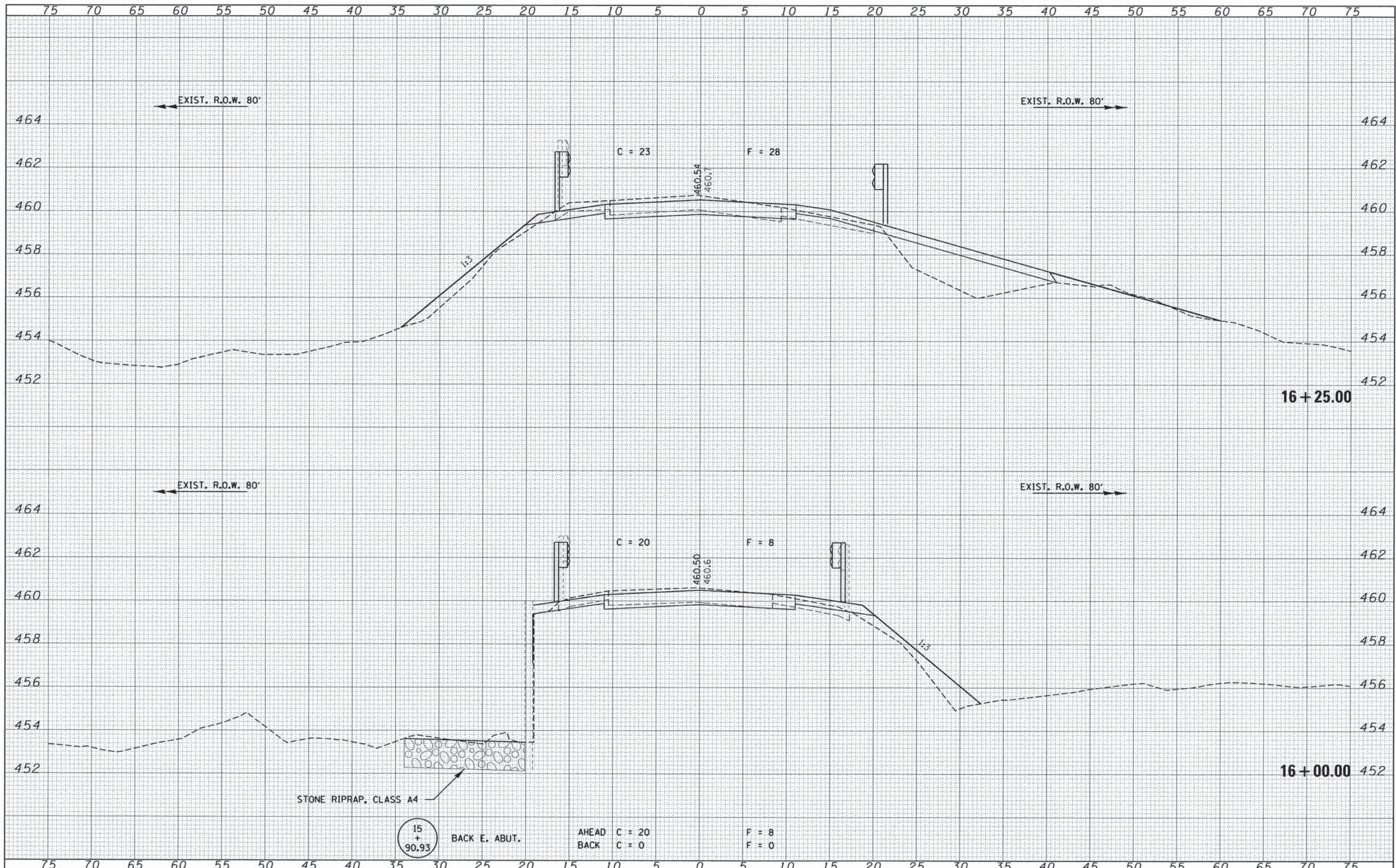
STATE OF ILLINOIS
 CLARK COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
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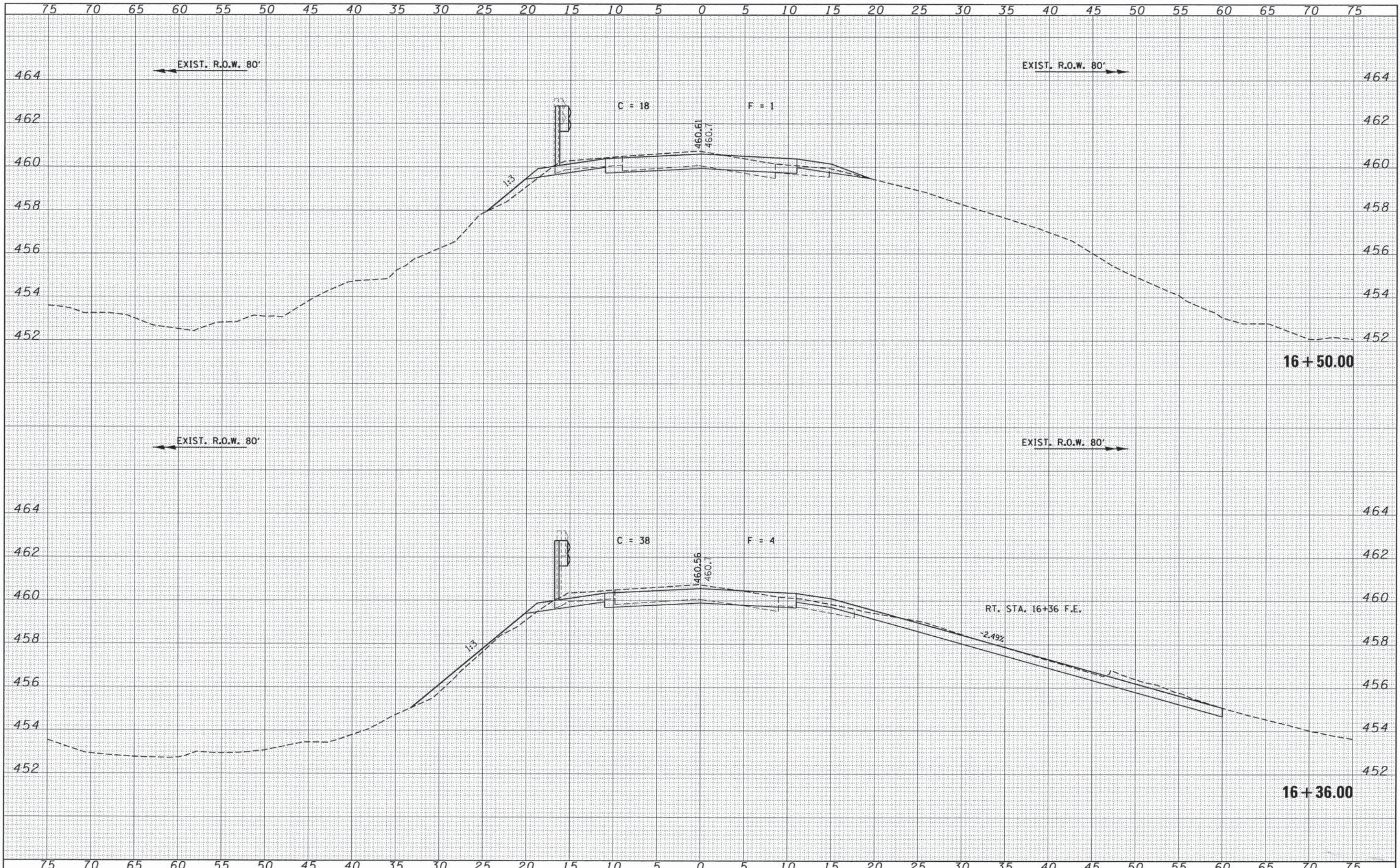
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692	16-00275-00-BR	CLARK	27	22
CONTRACT NO. 95793			ILLINOIS FED. AID PROJECT BHS-0692(104)	

DATE	
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FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
SURVEYED	
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FILE NAME = 150143-sh1-srs.dgn	USER NAME =	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 2003 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62767	PLLOT SCALE =	DRAWN - T.W.K.	REVISED -		692	16-00275-00-BR	CLARK	27	23			
ILR ILLINOIS PROFESSIONAL DESIGN FIRM 1517 E. 96th ST. CHICAGO, IL 60643	PLLOT DATE = 4/1/2016	CHECKED - S.W.M.	REVISED -		SCALE: 5H:2V			SHEET NO. 6 OF 10 SHEETS		STA. 16+00.00 TO STA. 16+25.00	CONTRACT NO. 95793	
		DATE - 04/01/16	REVISED -		ILLINOIS FED. AID PROJECT BHS-06921041							



DATE	
BY	
FINAL SURVEY	
PLOTTED	
NOTE BOOK	
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DATE	
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ORIGINAL SURVEY	
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NOTE BOOK	
TEMPERATURE	
AREAS CHECKED	

FILE NAME = 150143-sh1-scs.dgn
 HAMPSON, LENZINI AND RENWICK, INC.
 2005 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62761
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 154-000989

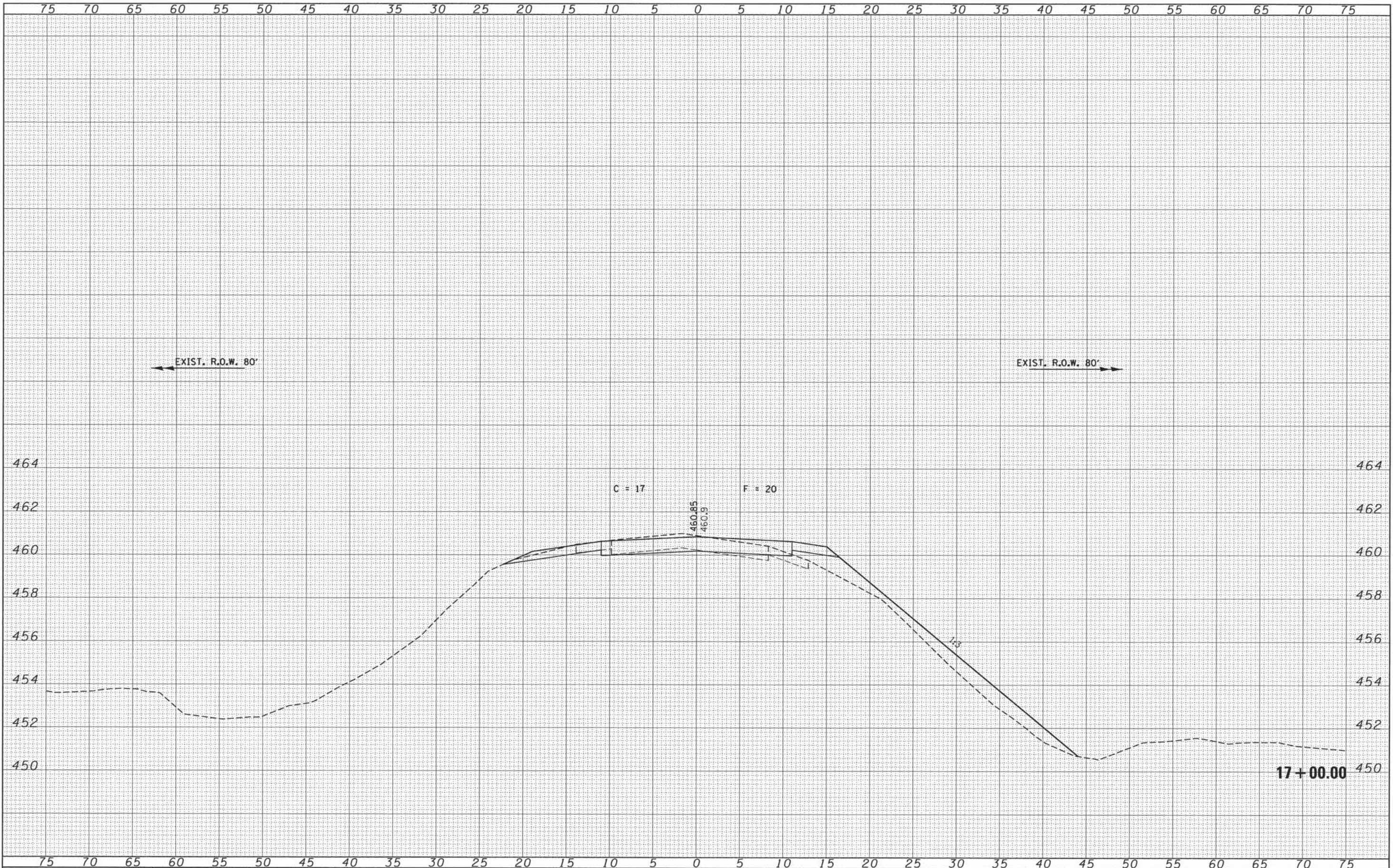
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 CHECKED - S.W.M.
 DATE - 04/01/16
 PLOT SCALE =
 PLOT DATE = 4/1/2016

REVISED -
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STATE OF ILLINOIS
 CLARK COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
 SCALE: 5H:2V
 SHEET NO. 7 OF 10 SHEETS
 STA. 16+35.92 TO STA. 16+50.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	24
				CONTRACT NO. 95793
ILLINOIS FED. AID PROJECT BHS-06921041				



DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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DATE	
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NOTE BOOK	PLOTTED
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 DESIGNED - L.A.P.
 DRAWN - T.W.K.
 CHECKED - S.W.M.
 DATE - 04/01/16
 PLOT SCALE =
 PLOT DATE = 4/1/2016

DESIGNED - L.A.P.
 DRAWN - T.W.K.
 CHECKED - S.W.M.
 DATE - 04/01/16

REVISED -
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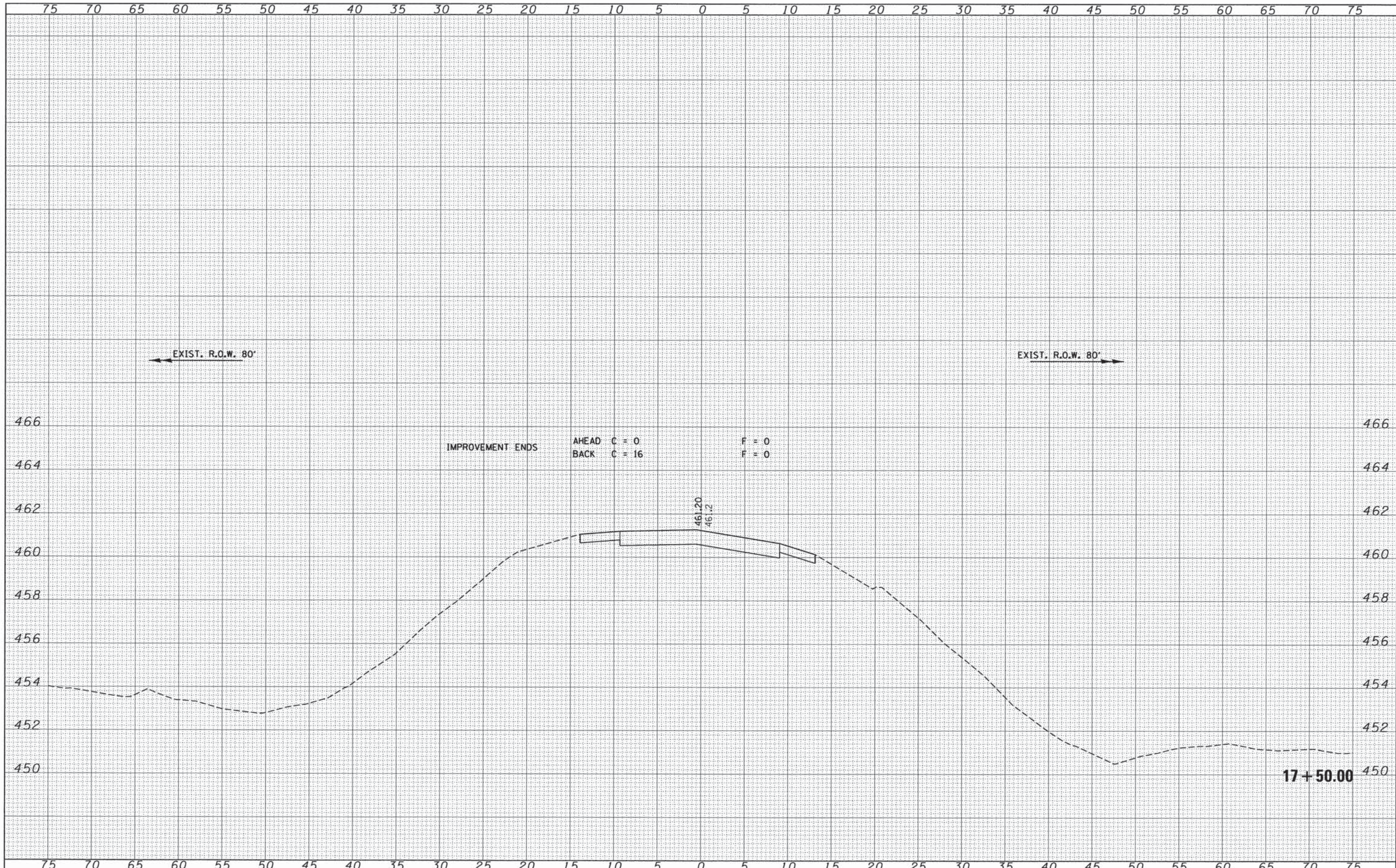
STATE OF ILLINOIS
 CLARK COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
 SCALE: 5H:2V
 SHEET NO. 8 OF 10 SHEETS
 STA. 17+00.00 TO STA. 17+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	25
CONTRACT NO. 95793			ILLINOIS FED. AID PROJECT BHS-0692(104)	

FINAL SURVEY	DATE
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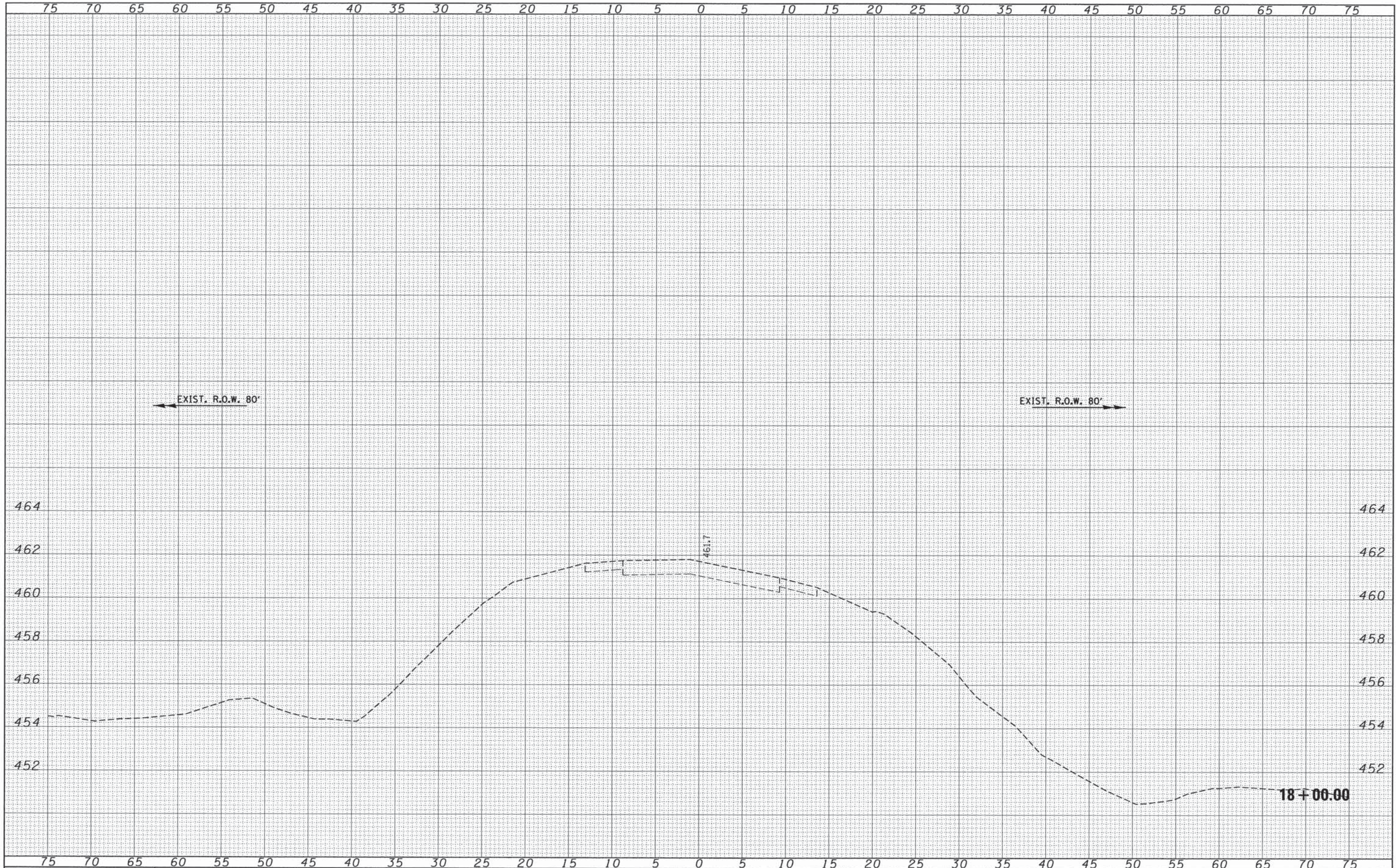
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FILE NAME = 158143-shi-ssudgn	USER NAME =	DESIGNED - L.A.P.	REVISED -	STATE OF ILLINOIS CLARK COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS			F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62776	PLOT SCALE =	DRAWN - T.W.K.	REVISED -		692	16-00275-00-BR	CLARK	27	26			
ILR ILLINOIS PROFESSIONAL DESIGN FIRM L5 / PE / SE CORP. 184.000908	PLOT DATE = 4/1/2016	CHECKED - S.W.M.	REVISED -		SCALE: 5H:2V			SHEET NO. 9 OF 10 SHEETS		STA. 17+50.00 TO STA. 17+50.00	CONTRACT NO. 95793	
		DATE - 04/01/16	REVISED -		(ILLINOIS) FED. AID PROJECT BHS-0692(104)							

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

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



FILE NAME = 150143-sht-sss.dgn
 HAMPSON, LENZINI AND RENWICK, INC.
 3085 STEVENSON DRIVE, SUITE 201
 SPRINGFIELD, ILLINOIS 62763
 ILLINOIS PROFESSIONAL DESIGN FIRM
 LS / PE / SE CORP. 184.000859

USER NAME =
 PLOT SCALE =
 PLOT DATE = 4/1/2016

DESIGNED - L.A.P.
 DRAWN - T.W.K.
 CHECKED - S.W.M.
 DATE - 04/01/16

REVISED -
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 REVISED -
 REVISED -

STATE OF ILLINOIS
 CLARK COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS
 SCALE: 5H:2V
 SHEET NO. 10 OF 10 SHEETS
 STA. 18+00.00 TO STA. 18+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
692	16-00275-00-BR	CLARK	27	27
CONTRACT NO. 95793				
ILLINOIS FED. AID PROJECT BHS-0692(104)				