ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 363	18-00166 -00-BR	WOODFORD	65	1
FED. ROAD DIST. NO. 7	ILLINOIS	CONTRACT NO. 89779		

INDEX OF SHEETS 06-16-2023 LETTING ITEM 094

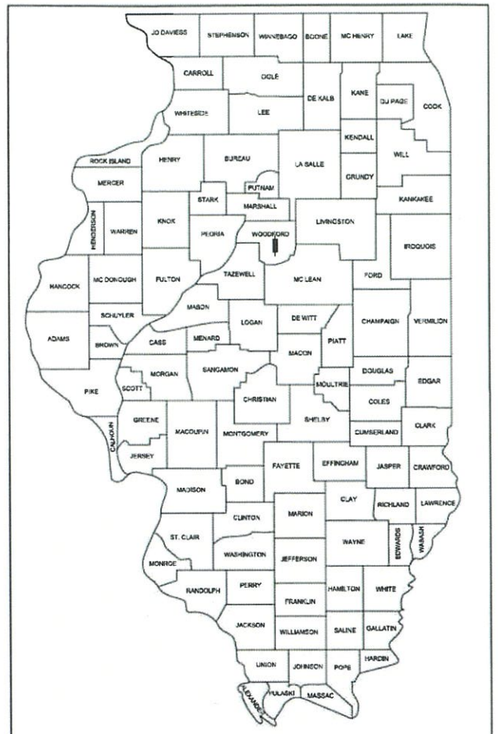
SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES
3.	SCHEDULE OF QUANTITIES
4.	TYPICAL CROSS SECTIONS
5.	GENERAL NOTES AND HIGHWAY STANDARDS
6.	ENTRANCE DETAILS
7-8.	PLAN AND PROFILE
9-10.	SHOULDER AND GUARDRAIL DETAIL
11-23.	BRIDGE PLANS SN 102-3130
24-27.	EXISTING PLANS SN 102-3130
28-38.	BRIDGE PLANS SN 102-3131
39-41.	EXISTING PLANS SN 102-3131
42-65.	STATION CROSS SECTIONS

SEE SHEET 5 OF 65 FOR HIGHWAY STANDARDS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED
ILLINOIS SPECIAL BRIDGE PROGRAM

PROJECT NO. ZH0Y(896)
SECTION 18–00166–00–BR
WOODFORD COUNTY
F.A.S. 363 / C.H. 7
STRUCTURE NO. 102–3130 & 102–3131
C–94–045–20



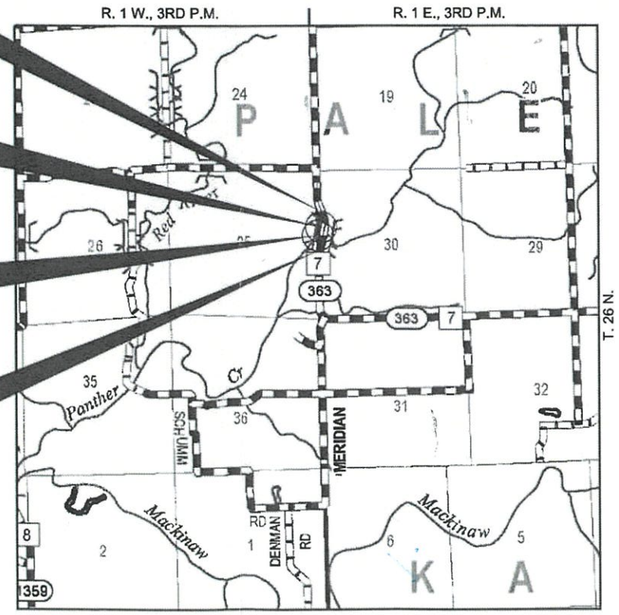
LOCATION OF SECTION INDICATED THUS:– ▬

IMPROVEMENT BEGINS STATION 23+50

STA. 26+04
PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE
SUPERSTRUCTURE REPLACEMENT.
THREE SPANS AT 47'-10"
30'-0" RDWY., SKEW = 0°
EXISTING STRUCTURE NO. 102-3130
PROPOSED STRUCTURE NO. 102-3130

STA. 29+40
PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE
SUPERSTRUCTURE REPLACEMENT.
FOUR SPANS AT 39'-8"
30'-0" RDWY., SKEW = 0°
EXISTING STRUCTURE NO. 102-3131
PROPOSED STRUCTURE NO. 102-3131

IMPROVEMENT ENDS STATION 32+75



LOCATION MAP

APPROXIMATE SCALE: 0 ½ MILE

NET LENGTH OF SECTION = 925 FEET = 0.175 MILES

UTILITIES

FRONTIER COMMUNICATIONS
109 E. MARKET STREET
BLOOMINGTON, IL 61701

CORN BELT ENERGY CO-OP
1 ENERGY WAY
BLOOMINGTON, IL 61705

METRO COMMUNICATIONS COMPANY
8 S. WASHINGTON ST #200
SULLIVAN, IL 61951

0 100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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.

FUNCTIONAL CLASSIFICATION:	MAJOR COLLECTOR
DESIGN SPEED:	40 MPH
DESIGN TRAFFIC:	525 ADT

3R DESIGN GUIDELINES ARE USED

CATALOG NO. 036018–00
CONTRACT NO. 89779 **PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS**

ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED 02/28 2023
COUNTY ENGINEER

PASSED March 24 2023
Tony Sassine (ABS)
DISTRICT FOUR ENGINEER OF LOCAL ROADS & STREETS
Releasing For Bid Based on Limited Review March 24 2023
REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WARNING
CALL JULIE TOLL FREE 1-800-892-0123
CALL 811 BEFORE YOU DIG
DIG NO: X1191503

DATE: 02/27/2023
LICENSED PROFESSIONAL ENGINEER STEVEN W. REGGI 062-50051 STATE OF ILLINOIS
EXPIRES: 11/30/2023

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

PROJECT NUMBER: 19.0013.130 DATE: 02/27/2023

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	ROADWAY CONSTR. TYPE CODE	SN 102-3130 CONSTR. TYPE CODE	SN 102-3131 CONSTR. TYPE CODE	TOTAL QUANTITY
				0005	0013	0013	TOTAL
	20200100	EARTH EXCAVATION	CU YD	455			455
	20300100	CHANNEL EXCAVATION	CU YD		100		100
	20400800	FURNISHED EXCAVATION	CU YD	660			660
	28100209	STONE RIPRAP, CLASS A5	TON		685		685
	28200200	FILTER FABRIC	SQ YD	140	435		575
	28300400	AGGREGATE DITCH	TON	100			100
	35650600	BASE COURSE WIDENING (VARIABLE DEPTH)	SQ YD	138			138
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	154			154
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	705			705
	40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	333	49	55	437
	40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	6			6
	44004000	PAVED DITCH REMOVAL	FOOT	90			90
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	288			288
^	50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH		1	1	2
	50102400	CONCRETE REMOVAL	CU YD		4.4	4.7	9.1
	50105220	PIPE CULVERT REMOVAL	FOOT	96			96
	50300225	CONCRETE STRUCTURES	CU YD		13.1	10.8	23.9
^	50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT			4,760	4,760
^	50400405	PRECAST PRESTRESSED CONCRETE DECK BEAMS (21" DEPTH)	SQ FT		4,305		4,305
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND		1,320	1,400	2,720
*	50900205	STEEL RAILING, TYPE S1	FOOT		294	324	618
^	542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	40			40
^	542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	80			80
	58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD		484	535	1,019
	58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT		325	360	685
	59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD		24	20	44

^ SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	ROADWAY CONSTR. TYPE CODE	SN 102-3130 CONSTR. TYPE CODE	SN 102-3131 CONSTR. TYPE CODE	TOTAL QUANTITY
				0005	0013	0013	TOTAL
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	25			25
*	63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	8			8
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8			8
	63200310	GUARDRAIL REMOVAL	FOOT	416			416
	67100100	MOBILIZATION	L SUM	1			1
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	104			104
	70306120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE III TAPE	FOOT	3,700			3,700
*	72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8			8
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3,700			3,700
^	X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.60			0.6
^	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	350			350
^	X5150110	NAME PLATES (SPECIAL)	EACH		1	1	2
^	Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH		66	88	154
^	Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH ≤ THAN 5 INCHES)	SQ FT		120	5	125
^	Z0013798	CONSTRUCTION LAYOUT	L SUM	1			1

^ SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

FILE NAME = 190013-sht-summary.dgn	USER NAME = smlerzwa	DESIGNED - S.W.M.	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - T.D.S.	REVISED -	
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -	
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -	

SUMMARY OF QUANTITIES

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 23+50.00 TO STA. 32+75.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	2
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	SHRINKAGE FACTOR	PERCENT USED	EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT REQUIRED	EARTHWORK BALANCE
	CU.YD.	CU.YD.			CU.YD.	CU.YD.	CU.YD.
FAS 363 / CH 7							
STA. 23+50.00 TO STA. 25+31.47	85		25.00%	100.00%	63	72	-9
STA. 25+31.47 TO STA. 26+76.53		100	25.00%	70.00%	53	0	53
STA. 26+76.53 TO STA. 28+59.84	49		25.00%	100.00%	37	484	-447
STA. 28+59.84 TO STA. 30+20.16		0	25.00%	70.00%	0	0	0
STA. 30+20.16 TO STA. 32+75.00	319		25.00%	100.00%	239	332	-93
ENTRANCES						166	-166
TOTAL	453	100			392	1054	-662
USE	455	100					660

FURNISHED 660 CU YDS

ROADWAY SCHEDULE

LOCATION	BASE COURSE WIDENING (VARIABLE DEPTH)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE SHOULDERS, TYPE B
	SQ YD	POUND	TON	TON	TON
FAS 363 / CH 7					
STA. 23+50.00 TO STA. 25+31.47	40	200	56		82
BRIDGE DECK & BACKFILL - SN 102-3130			64		
STA. 26+76.53 TO STA. 28+59.84	41	202	129		105
BRIDGE DECK & BACKFILL - SN 102-3131			68		
STA. 30+20.16 TO STA. 32+75.00	57	280	120		101
PE ENTR. - STA 32+40 LT		24		6	
TOTAL	138	705	437	6	288

PAVEMENT MARKING SCHEDULE

LOCATION	TEMPORARY PAVEMENT MARKING - LINE 4" TY III TAPE	SHORT TERM PAVEMENT MARKING REMOVAL	PAINT PAVEMENT MARKING - LINE 4"	
			EDGE LINE WHITE	NO PASSING DOUBLE YELLOW
	FOOT	SQ FT	FOOT	FOOT
FAS 363 / CH 7				
LT. STA. 23+50.00 TO LT. STA. 32+75.00	925	26	925	
CL. STA. 23+50.00 TO CL. STA. 32+75.00	1,850	52		1,850
RT. STA. 23+50.00 TO RT. STA. 32+75.00	925	26	925	
SUBTOTAL	3,700	104	1,850	1,850
TOTAL	3,700	104	3,700	

PIPE CULVERTS, CLASS D, TYPE 1

STATION	SIDE	15"	18"
		FOOT	FOOT
24+56	LT	40	
31+27	LT		40
32+40	LT		40
TOTAL		40	80

PIPE CULVERT REMOVAL

STATION	SIDE	FOOT
24+53	LT	32
31+26	LT	32
32+43	LT	32
TOTAL		96

AGGREGATE DITCH

STATION TO STATION	SIDE	WIDTH	TON	FILTER FABRIC SQ YD
24+75.00 TO 25+78.00	LT	VAR.	100	140
TOTAL			100	140

AGGREGATE SURFACE COURSE, TYPE B

STATION	THICKNESS	WIDTH	LENGTH	TON
ENTR. - 24+56 LT	6"	16' & VAR.	34.00'	22
ENTR. - 27+51 RT	6"	16' & VAR.	49.00'	32
ENTR. - 27+57 LT	6"	20' & VAR.	29.00'	24
ENTR. - 31+27 LT	6"	20' & VAR.	49.00'	39
ENTR. - 31+27 RT	6"	16' & VAR.	41.00'	27
ENTR. - 32+40 LT	6"	15' & VAR.	20.00'	10
TOTAL				154

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

STATION TO STATION	SIDE	EACH
24+54.75 TO 25+04.75	RT	1
24+67.25 TO 25+17.25	LT	1
26+90.75 TO 27+40.75	RT	1
26+90.75 TO 27+40.75	LT	1
27+95.79 TO 28+45.79	RT	1
27+95.79 TO 28+45.79	LT	1
30+34.21 TO 30+84.21	RT	1
30+46.71 TO 30+96.71	LT	1
TOTAL		8

TRAFFIC BARRIER TERMINAL, TYPE 5A

STATION TO STATION	SIDE	EACH
25+17.25 TO 25+30.50	RT	1
25+17.25 TO 25+30.50	LT	1
26+77.50 TO 26+90.75	RT	1
26+77.50 TO 26+90.75	LT	1
28+45.79 TO 28+59.04	RT	1
28+45.79 TO 28+59.04	LT	1
30+20.96 TO 30+34.21	RT	1
30+20.96 TO 30+34.21	LT	1
TOTAL		8

STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

STATION TO STATION	SIDE	FOOT
25+04.75 TO 25+17.25	RT	12.5
30+34.21 TO 30+46.71	LT	12.5
TOTAL		25

GUARDRAIL REMOVAL

STATION TO STATION	SIDE	FOOT
24+79 TO 25+31	RT	52
24+79 TO 25+31	LT	52
26+75 TO 27+27	RT	52
26+75 TO 27+27	LT	52
28+07 TO 28+59	RT	52
28+07 TO 28+59	LT	52
30+19 TO 30+71	RT	52
30+19 TO 30+71	LT	52
TOTAL		416

PAVED DITCH REMOVAL

STATION TO STATION	SIDE	FOOT
24+68 TO 25+58	LT	90
TOTAL		90

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

STATION TO STATION	WIDTH	LENGTH	SQ YD
23+50.00 TO 24+75.00	22.00' & VAR.	125.00'	277
32+45.00 TO 32+75.00	22.00' AVG.	30.00'	73
TOTAL			350

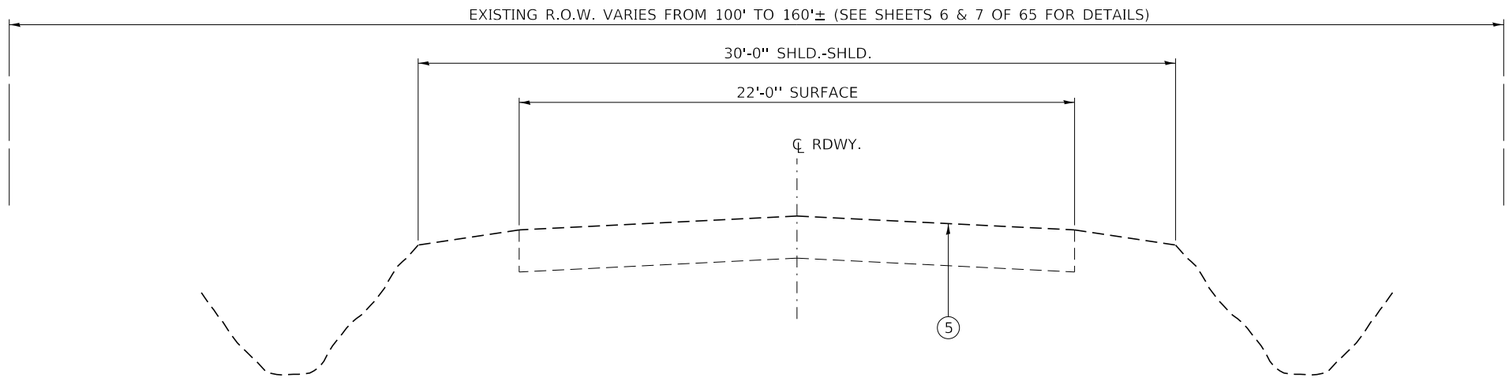
FILE NAME = 190013-sht-schedule.dgn | USER NAME = smlerzwa | DESIGNED - S.W.M. | REVISED -
HAMPTON, LENZINI AND RENWICK, INC. | DRAWN - R.D.H. | REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 | PLOT SCALE = $SCALE$ | CHECKED - S.W.M. | REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959 | PLOT DATE = 2/28/2023 | DATE - 01/12/2023 | REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

SCHEDULE OF QUANTITIES

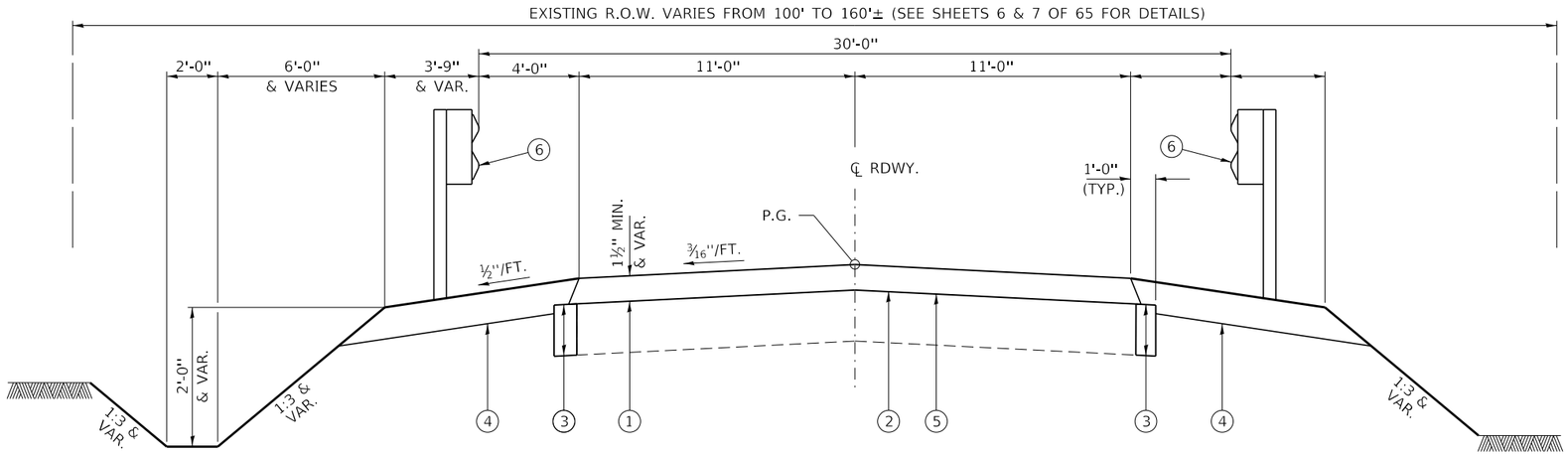
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 23+50.00 TO STA. 32+75.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	3
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		



EXISTING TYPICAL CROSS SECTION

STA. 23+50 TO 32+75



SUGGESTED CUT SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

PROPOSED TYPICAL CROSS SECTION

STA. 23+50.00 TO STA. 25+31.47
STA. 26+76.53 TO STA. 28+59.84
STA. 30+20.16 TO STA. 32+75.00

EXCEPT TRANSITIONS AND SUPERELEVATION TRANSITION

BRIDGE OMISSIONS
STA. 25+31.47 TO STA. 26+76.53
STA. 28+59.84 TO STA. 30+20.16

SUGGESTED FILL SECTION
CONSTRUCT AS SHOWN IN
STATION CROSS SECTIONS

LEGEND

1. HMA SURFACE COURSE, IL-9.5, MIX C, N50 (1½" MIN. & VAR.)
2. BITUMINOUS MATERIALS (TACK COAT)
3. BASE COURSE WIDENING (VARIABLE DEPTH) AS DIRECTED BY ENGINEER
4. AGGREGATE SHOULDERS, TYPE B (6")
5. EXISTING HMA SURFACE
6. TBT TY 5A, SPBGR TY A 6' POSTS, OR TBT TY 1 SPECIAL TANGENT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
LOCATIONS(S)	FAS 363 / CH 7
MIXTURE USE(S):	HOT-MIX ASPHALT SURFACE COURSE
PG:	PG 58-28
DESIGN AIR VOIDS:	4% @ 50 Gyr.
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 9.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE WEIGHT:	112 LBS \ SY \ INCH THICKNESS
QUALITY MANAGEMENT PROGRAM	QC/QA
MATERIAL TRANSFER DEVICE	NOT REQUIRED

FILE NAME = 190013-sht-typsections.dgn	USER NAME = smlerzwa	DESIGNED - S.W.M.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

TYPICAL CROSS SECTIONS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 23+50.00 TO STA. 32+75.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	4
		CONTRACT NO. 89779		
		ILLINOIS	FED. AID PROJECT ZHOY(896)	

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
630001-12	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DECIVES FOR CONCSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 27-1	TRAFFIC BARRIER TERMINAL TYPE 5A

COMMITMENTS

TREES THREE INCHES OR GREATER IN DIAMETER SHALL NOT BE CLEARED BETWEEN APRIL 1 AND SEPTEMBER 30.
THE BRIDGE BAT ASSESSMENT EXPIRES 11/16/2023. A VALID ASSESSMENT IS REQUIRED PRIOR TO PERFORMING ANY WORK BELOW THE EXISTING BRIDGE SURFACE.

ENVIRONMENTAL REVIEWS

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (BORROW SITE REVIEW)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM - D4 PI0101

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS SHALL BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED WASTE SITE ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

GENERAL NOTES

1) ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022", (HERE IN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE DOCUMENTS.

2) ALL CLEARING, GRUBBING, FENCE REMOVAL, PAVEMENT REMOVAL, AND REMOVAL OF EXISTING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. ALL AGGREGATE AND BITUMINOUS PAVEMENT SHALL BE REMOVED AND PROPERLY DISPOSED OF BY THE CONTRACTOR IN A METHOD APPROVED BY THE ENGINEER. REMOVAL AND DISPOSAL OF PAVEMENT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

3) 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.

4) ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARD OF THE DEPARTMENT.

5) THE LOCATION ON THE PLANS OF EXISTING DRAINAGE STRUCTURES, TELEPHONE LINES, ELECTRIC LINES, WATER SERVICE LINES, GAS MAINS, AND OTHER UTILITY FACILITIES AS SHOWN ON THE PLANS ARE BASED ON 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.

6) THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES

AGGREGATE SURFACE COURSE	2.05 TON/CU YD
AGGREGATE SHOULDERS	2.00 TON/CU YD
AGGREGATE DITCH	1.50 TON/CU YD
CONTROLLED LOW-STRENGTH MATERIAL	1.50 TON/CU YD
STONE RIPRAP	1.75 TON/CU YD

BITUMINOUS MATERIALS APPLICATION RATES

SURFACE TYPE	RESIDUAL RATE
AGGREGATE BASE (PRIME COAT)	0.250 LB/SQ FT
MILLED HMA OR PCC (TACK COAT)	0.050 LB/SQ FT
EXISTING PAVEMENT (TACK COAT)	0.050 LB/SQ FT
TACK COAT (BETWEEN LIFTS)	0.025 LB/SQ FT

7) THE FINAL SURFACE OF ALL EMBANKMENT AREAS SHALL BE SEEDED. THE TOP 4 INCHES OF THE SEEDED AREAS SHALL BE TOPSOIL SUBJECT TO THE APPROVAL OF THE ENGINEER. THE COST OF SHAPING THE SLOPES AND PROVIDING TOP SOIL WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

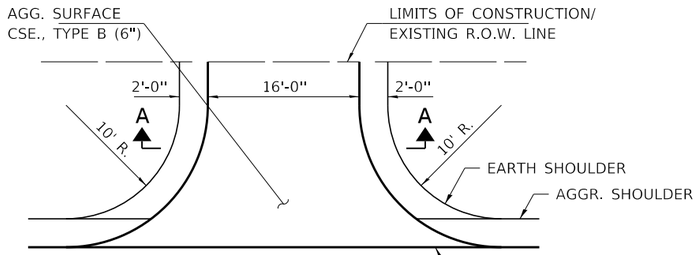
8) THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER.
SEEDING, CLASS 2 (SPECIAL) =0.6 ACRES

9) ALL WASTE MATERIAL FROM EXCAVATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

10) ALL ELEVATIONS SHOWN REFER TO U.S.G.S DATUM TO MEAN SEA LEVEL UNLESS OTHERWISE NOTED.

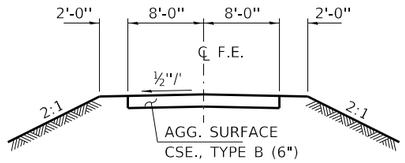
11) CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES ECT. WILL BE ALLOWED.

12) THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE PIPE CULVERTS REQUIRED PRIOR TO ORDERING THIS ITEM.

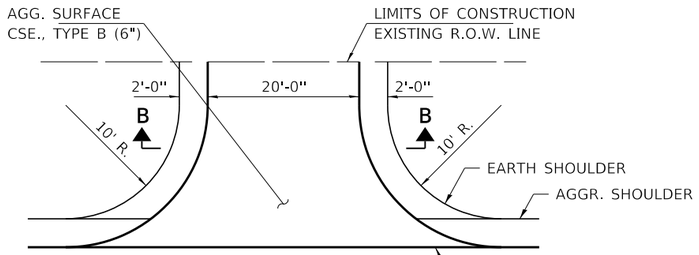


FIELD ENTRANCE DETAIL

STA. 24+56 LT.
STA. 27+51 RT.
STA. 31+27 RT.

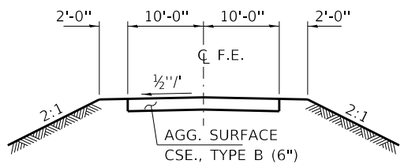


SECTION A-A

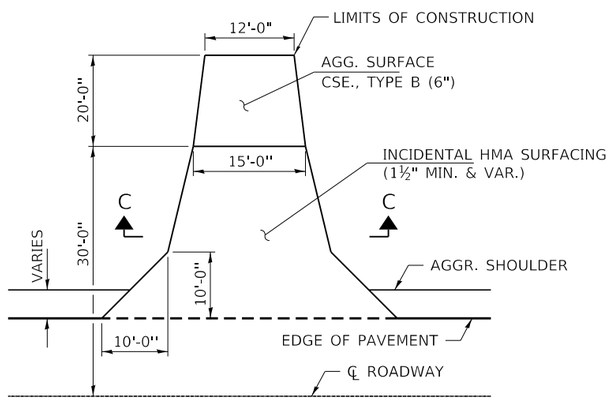


FIELD ENTRANCE DETAIL

STA. 27+57 LT.
STA. 31+27 LT.

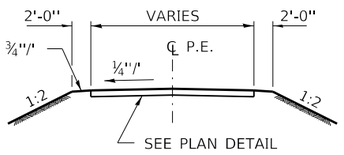


SECTION B-B

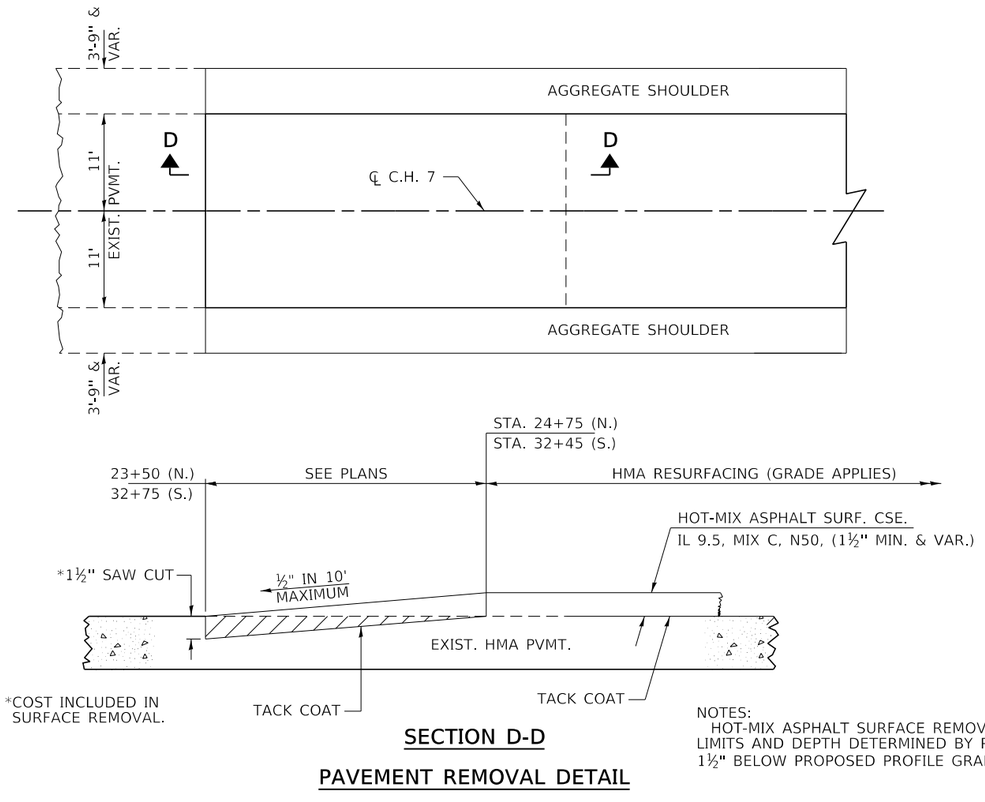


PRIVATE ENTRANCE DETAIL

STA. 32+40 LT.



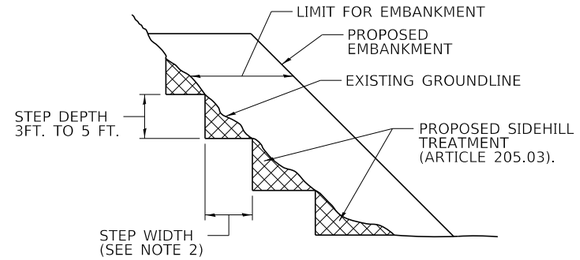
SECTION C-C



SECTION D-D

PAVEMENT REMOVAL DETAIL

NOTES:
HOT-MIX ASPHALT SURFACE REMOVAL LIMITS AND DEPTH DETERMINED BY PROVIDING 1½" BELOW PROPOSED PROFILE GRADE.



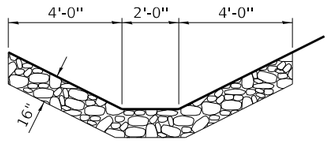
GENERAL NOTES

1. SLOPE STEPS WILL BE REQUIRED FOR ALL 12(300) MINIMUM THICKNESS "SLIVER FILLS" AND ON ALL FILLS WITH A HEIGHT OF 10 FEET OR GREATER.
2. THE STEP WIDTH SHALL BE TWICE THE STEP DEPTH BUT NOT LESS THAN 6 FEET.
3. REFER TO ARTICLE 205.03 FOR EMBANKMENT TO BE CONSTRUCTED ON HILLSIDE OR SLOPES, OR IF EXISTING EMBANKMENTS ARE TO BE WIDENED.

STANDARD EMBANKMENT
(IN ACCORDANCE WITH
205 OF THE STANDARD SPECIFICATION).

SLOPE STEPS DETAIL

TYPICAL CROSS-SECTION EMBANKMENT
CONSTRUCTION ON SIDEHILL



AGGREGATE DITCH (RR4)

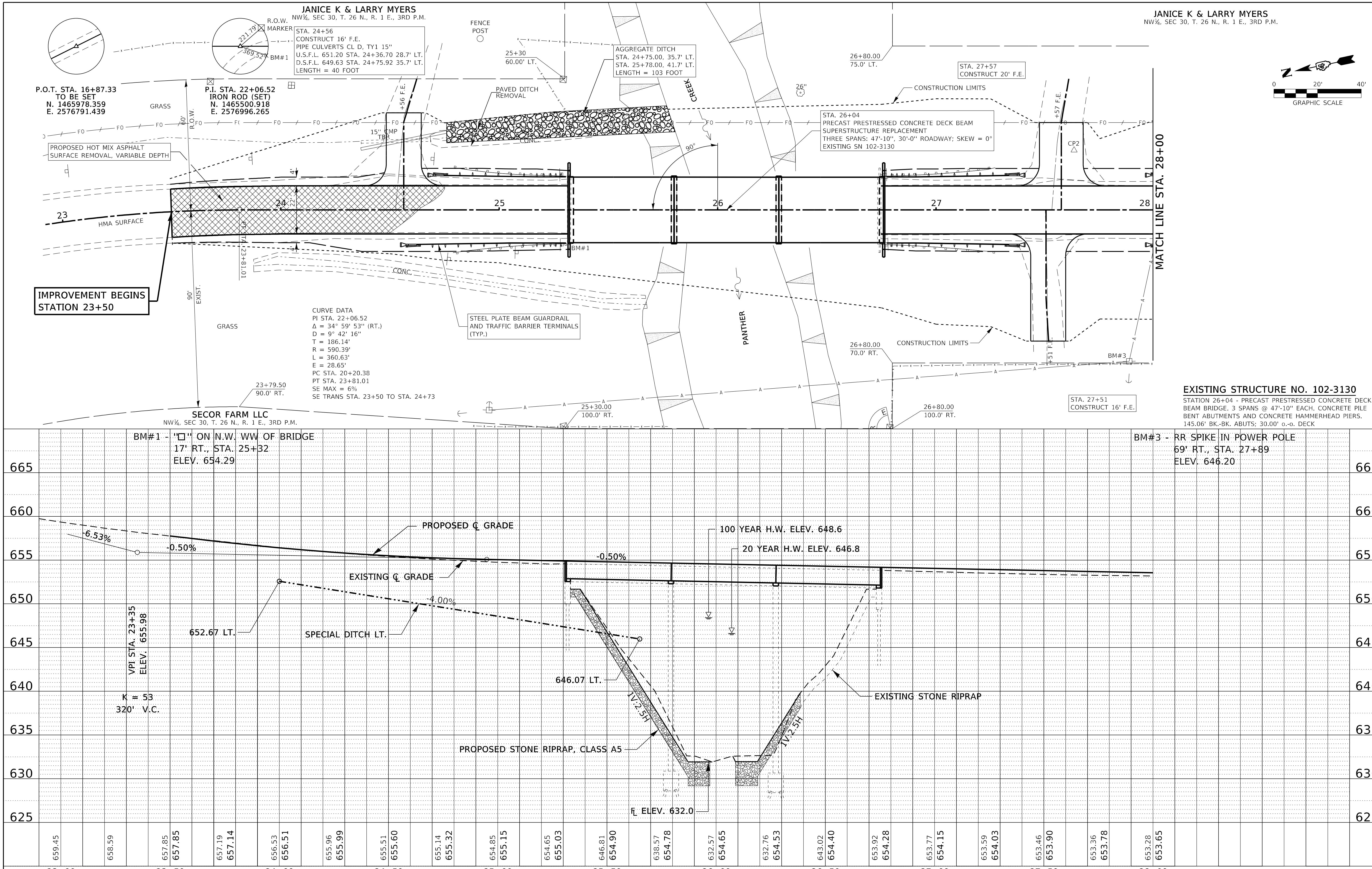
STA. 24+75 TO STA. 25+60 LT

FILE NAME = 190013-sht-typsections.dgn	USER NAME = smlerzwa	DESIGNED - S.W.M.	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - R.D.H.	REVISED -	
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -	
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -	

ENTRANCE DETAILS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. 23+50.00 TO STA. 32+75.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	6
		CONTRACT NO. 89779		
	ILLINOIS FED. AID PROJECT ZHOY(896)			



PLAN	NOTE BOOK	NO.
SURVEYED	PLOTTED	ALIGNMENT CHECKED
RT. OF WAY CHECKED	CADD FILE NAME	
BY	DATE	

PROFILE	NOTE BOOK	NO.
SURVEYED	PLOTTED	GRADES CHECKED
B.M. NOTED	STRUCTURE NOTATN'S CH'KD	
BY	DATE	

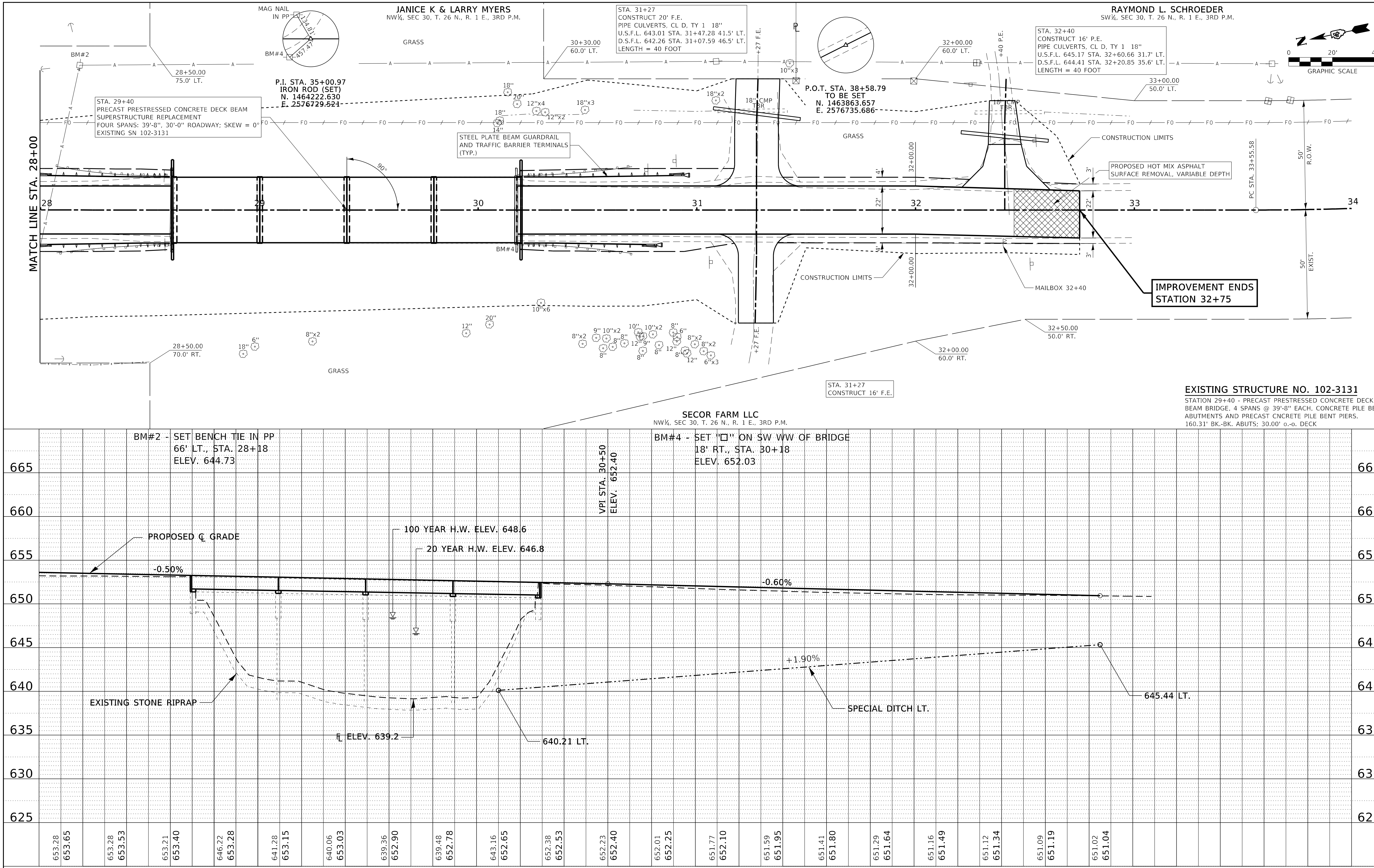
FILE NAME = 190013-sht-planprf.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		DRAWN - T.W.K.	REVISED -
HLR ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 3/23/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

PLAN & PROFILE

SCALE: 5V:20H | SHEET NO. 1 OF 2 SHEETS | STA. 23+00.00 TO STA. 28+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	7
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZH0Y(896)		



PLAN	
SURVEYED	
PLOTTED	
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	
CADD FILE NAME	
NOTE BOOK	
NO.	

PROFILE	
SURVEYED	
PLOTTED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTAT'NS CH'KD	
NOTE BOOK	
NO.	

FILE NAME = 190013-sht-planprf.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - T.W.K.	REVISED -
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	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

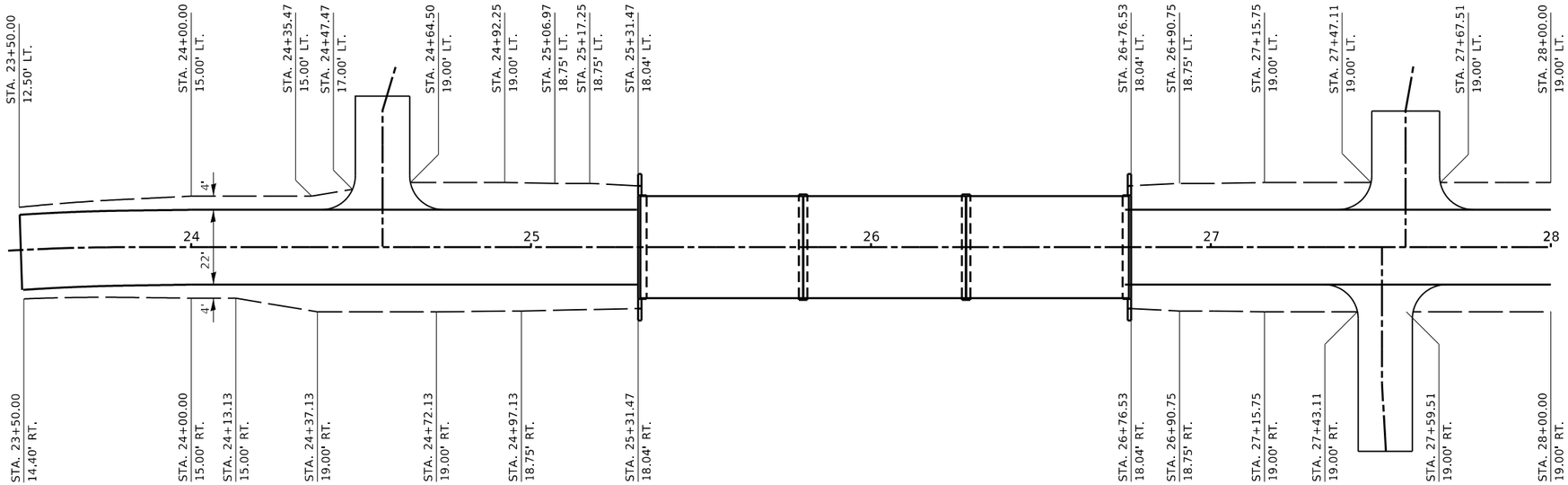
PLAN & PROFILE

SCALE: 5V:20H | SHEET NO. 2 OF 2 SHEETS | STA. 28+00.00 TO STA. 34+00.00

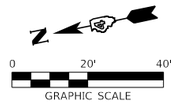
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	8

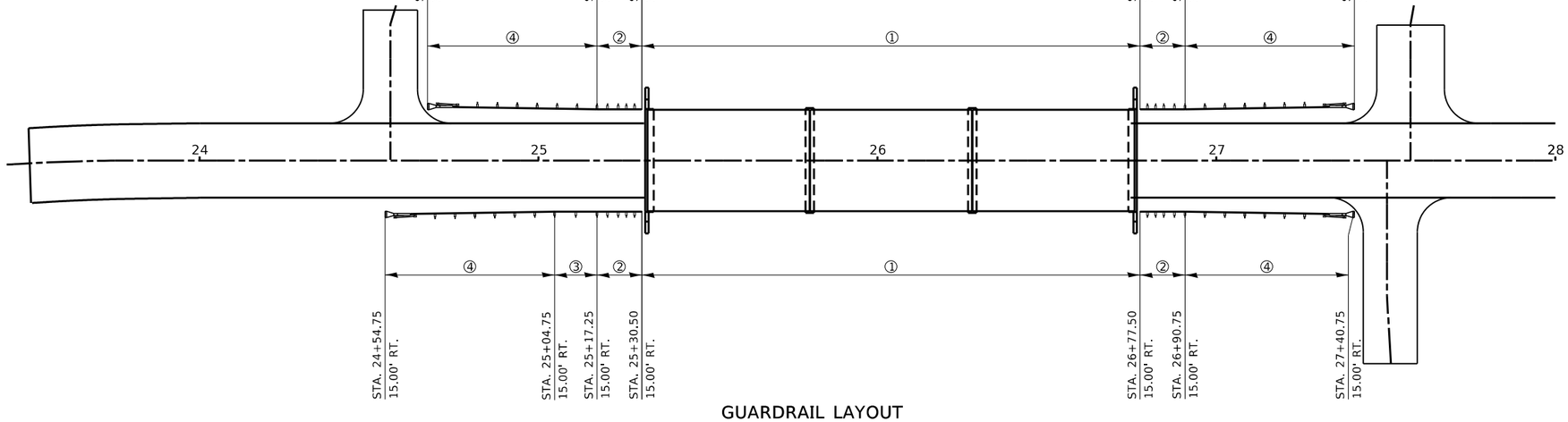
CONTRACT NO. 89779

ILLINOIS | FED. AID PROJECT ZH0Y(896)



SHOULDER LAYOUT





GUARDRAIL LAYOUT

LEGEND

① STEEL RAILING, TYPE S1
② TBT TY 5A
③ SPBGR, TY A, 6 FOOT POSTS
④ TBT TY 1, SPECIAL TANGENT

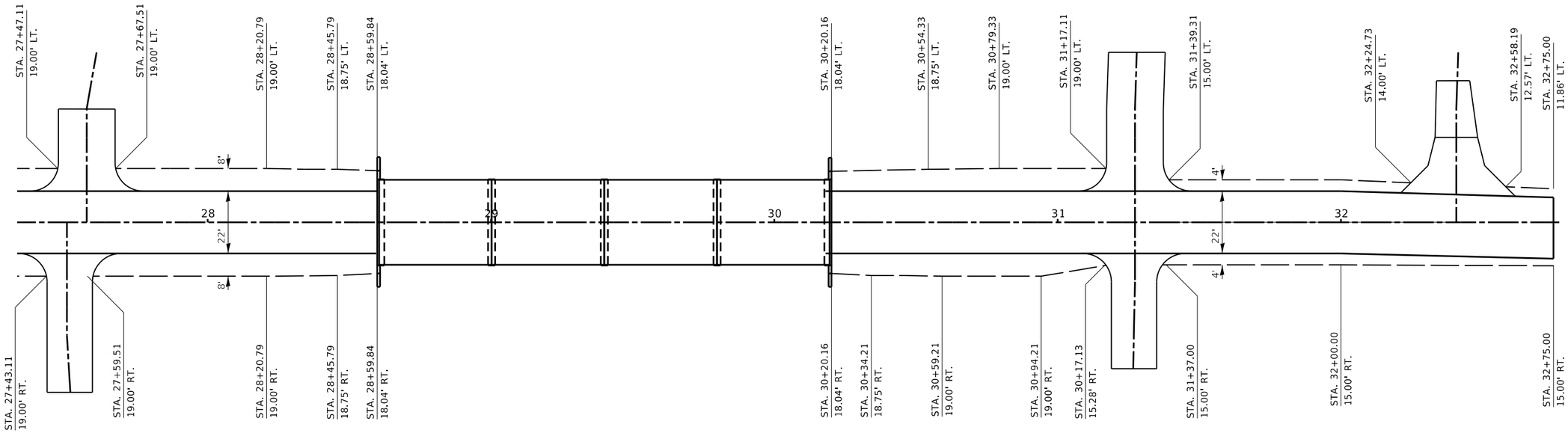
FILE NAME = 190013-sht-shdgrdrl.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

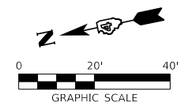
SHOULDER AND GUARDRAIL DETAIL
STRUCTURE NO. 102-3130

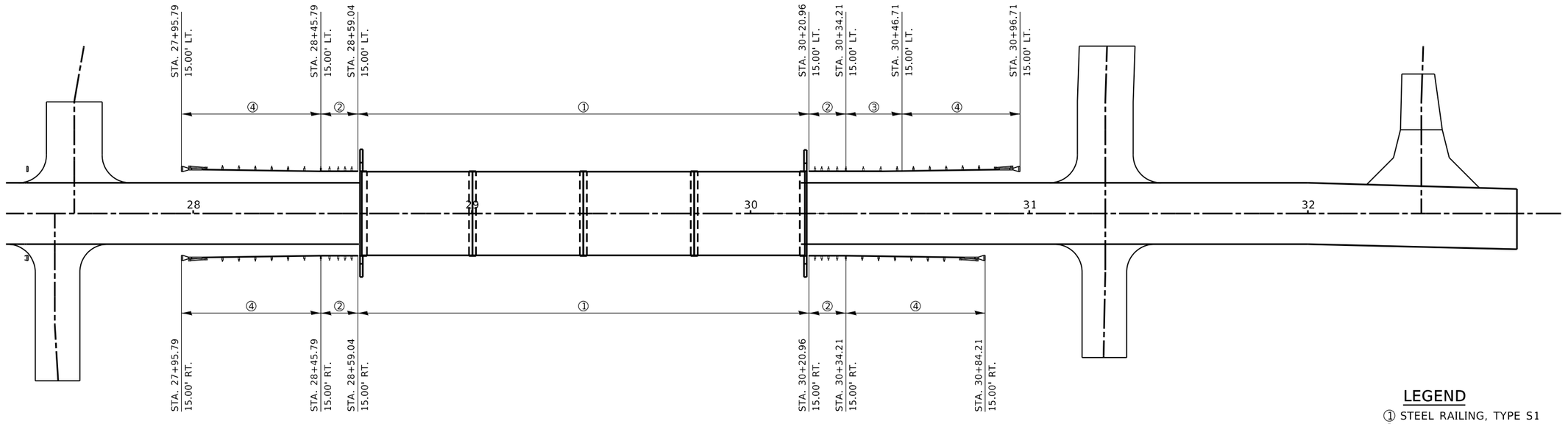
SCALE: 1"=20' | SHEET NO. 1 OF 2 SHEETS | STA. 23+50.00 | TO STA. 28+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	9
		CONTRACT NO. 89779		
		ILLINOIS	FED. AID PROJECT ZHOY(896)	



SHOULDER LAYOUT





GUARDRAIL LAYOUT

LEGEND

① STEEL RAILING, TYPE S1
② TBT TY 5A
③ SPBGR, TY A, 6 FOOT POSTS
④ TBT TY 1, SPECIAL TANGENT

FILE NAME = 190013-sht-shdgrdtl.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

SHOULDER AND GUARDRAIL DETAIL
STRUCTURE NO. 102-3131

SCALE: 1"=20' | SHEET NO. 2 OF 2 SHEETS | STA. 28+00.00 | TO STA. 32+75.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	10
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		

BENCHMARK: Chiseled "□" On N.W. WW of Bridge, 17' Rt., Sta. 25+32 Elev. 654.29

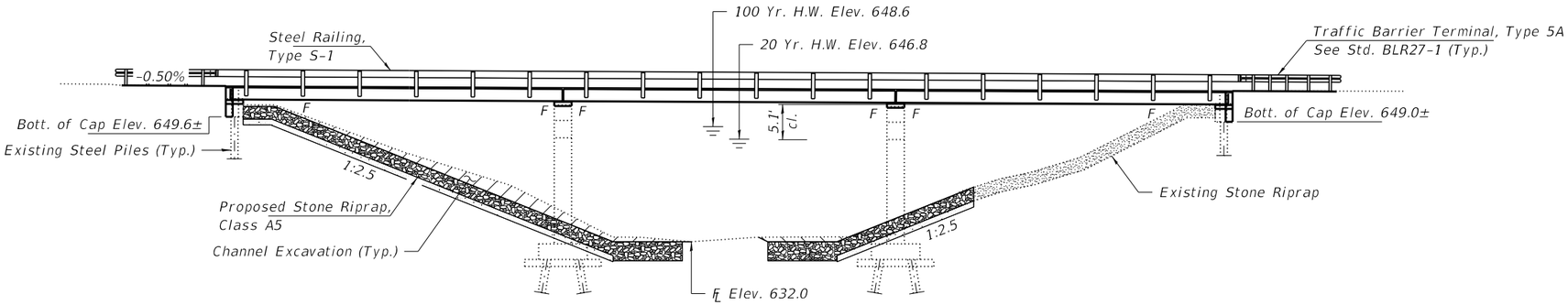
EXISTING STRUCTURE NO. 102-3130: Three span PPC deck beam superstructure supported on concrete pile bent abutments with concrete caps and wingwalls and hammerhead piers with concrete pile supported footings.
145.06' bk.-bk. abuts., 30.0' o.-o. deck, and no skew.

Structure closed to traffic during construction.

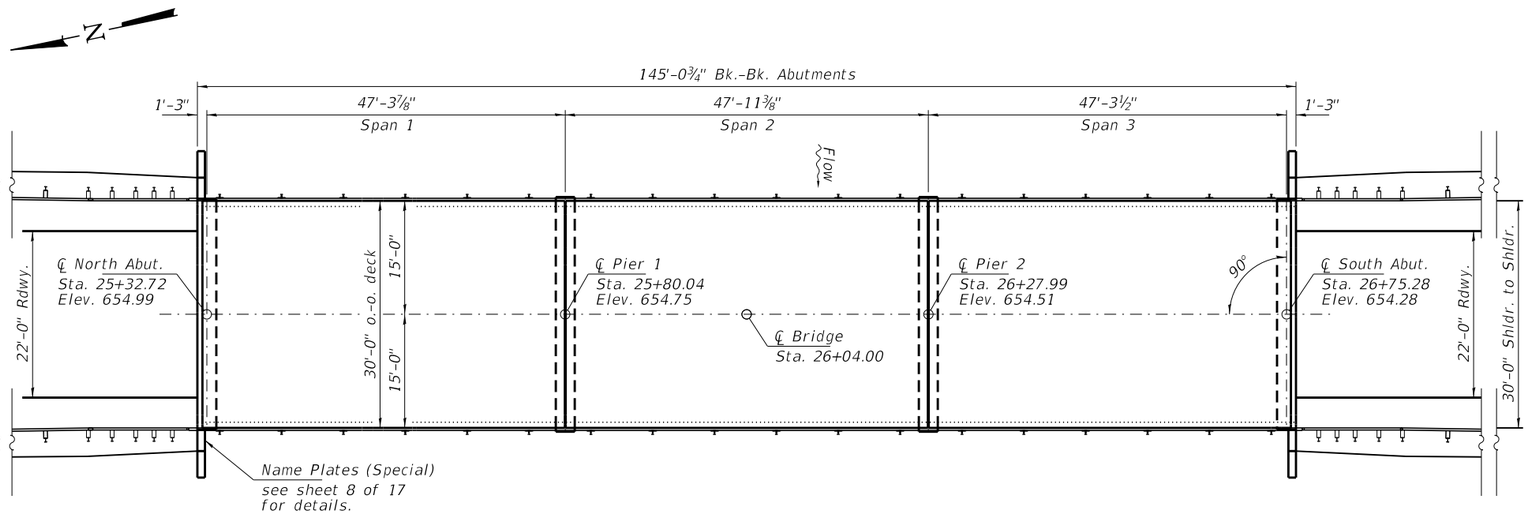
Salvage: Existing abutments and piers to be re-used in place.
Salvage and reinstall existing Name Plate.

See sheet 2 of 17 for General Notes and Bill of Material.

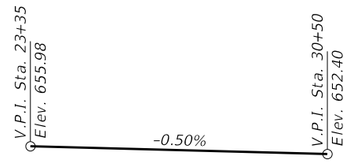
INDEX OF STRUCTURE SHEETS



ELEVATION



PLAN



PROFILE GRADE

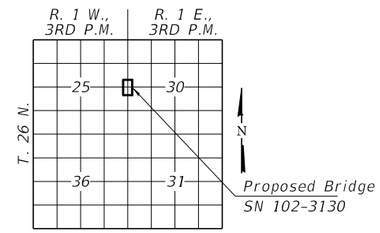
C.H. 7

PANTHER CREEK
REBUILT 202_ BY
WOODFORD COUNTY
SEC. 18-00166-00-BR
F.A.S. 363 / C.H. 7
STR. NO. 102-3130
LOADING HL-93

NAME PLATE

See Std. 515001

Existing Name Plate shall be cleaned and relocated next to the proposed Name Plate. Cost included with Name Plates (Special).



LOCATION SKETCH

DESIGN STRESSES

FIELD UNITS (NEW CONST.)

f'c = 3,500 psi
fy = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (½"Ø low lax. strands)
fpbt = 201,960 psi (½"Ø low lax. strands)
fy = 60,000 psi (Reinf.)

EXISTING CONSTRUCTION

fc = 1,400 psi (Substructure)
fs = 20,000 psi (Reinf.)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition with all interims.

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

LOADING HS 20-44

Existing Conditions - Substructure

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 2/27/2023
ILLINOIS STRUCTURAL ENG. NO. 081-6064 Expires 11-30-2024

LICENSED STRUCTURAL ENGINEER
STEVEN W. MEGGINSON
081-6064
SPRINGFIELD, IL
STATE OF ILLINOIS

GENERAL PLAN & ELEVATION
BRIDGE OVER PANTHER CREEK
SECTION 18-00166-00-BR
F.A.S. 363 / C.H. 7
WOODFORD COUNTY
STATION 26+04.00
STRUCTURE NO. 102-3130

FILE NAME = 190013-sht-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -	
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -	
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -	

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

GENERAL PLAN & ELEVATION
STRUCTURE NO. 102-3130
SHEET NO. 1 OF 17 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	11
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		

GENERAL NOTES

Reinforcement bars designated (E) shall be Epoxy Coated.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The Contractor shall salvage the existing stone riprap as directed by the Engineer and incorporate into the proposed layout.

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.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The PPC Deck Beams shall be applied with a Protective Coat as specified in the Special Provisions. This work shall be included in the cost with PPC Deck Beams.

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)				Item
	N. Abut.	Pier 1	Pier 2	S. Abut.	113
0100	649.6	622.6	622.0	649.0	7
Design	649.6	635.0	634.4	649.0	

WATERWAY INFORMATION

Drainage Area = 178.5 Sq. Mi.

Existing Low Grade Elev. 651.0 @ Sta. 33+00
Proposed Low Grade Elev. 651.0 @ Sta. 33+00

Flood Event		Discharge (cfs)		Opening Sq. Ft.		Natural	Head - Ft.		Headwater El.	
		Exist.	Prop.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
10	Main Channel	8450	8450	870	870	645.9	0.8	0.8	646.7	646.7
	Relief Struct.			640	640					
	Total			1510	1510					
20	Main Channel	10530	10530	950	950	646.8	0.9	0.9	647.7	647.7
	Relief Struct.			740	740					
	Total			1690	1690					
100	Main Channel	15400	15400	1130	1130	648.6	1.1	1.1	649.7	649.7
	Relief Struct.			960	960					
	Total			2090	2090					
200	Main Channel	17600	17600	1200	1200	649.3	1.0	1.0	650.3	650.3
	Relief Struct.			1060	1060					
	Total			2260	2260					
500/ Overtopping	Main Channel	20500	20500	1290	1290	650.2	1.0	1.0	651.2	651.2
	Relief Struct.			1180	1180					
	Total			2470	2470					

10 Year Velocity through Existing Bridge = 5.6 fps

10 Year Velocity through Proposed Bridge = 5.6 fps

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	Cu. Yd.			100
Stone Riprap, Class A5	Ton			685
Filter Fabric	Sq. Yd.			435
Hot-Mix Asphalt Surface Cse., IL-9.5, Mix "C", N50	Ton	49		49
Removal of Existing Superstructures	Each			1
Concrete Removal	Cu. Yd.		4.4	4.4
Concrete Structures	Cu. Yd.		13.1	13.1
Precast Prestressed Conc. Deck Beams (21" Depth)	Sq. Ft.	4,305		4,305
Reinforcement Bars, Epoxy Coated	Pound		1,320	1,320
Steel Railing, Type S1	Foot	294		294
Waterproofing Membrane System	Sq. Yd.	484		484
Portland Cement Mortar Fairing Course	Foot	325		325
Controlled Low-Strength Material	Cu. Yd.		24	24
Name Plates (Special)	Each		1	1
Asbestos Bearing Pad Removal	Each		66	66
Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.		120	120

FILE NAME = 190013-shl-bridge - SN 102-3130.dgn
USER NAME = smlerzwa
PLOT SCALE =
PLOT DATE = 2/28/2023

DESIGNED - J.R.B
CHECKED - S.T.M.
DRAWN - R.D.H.
CHECKED - S.T.M./S.W.M.

REVISED -
REVISED -
REVISED -
REVISED -

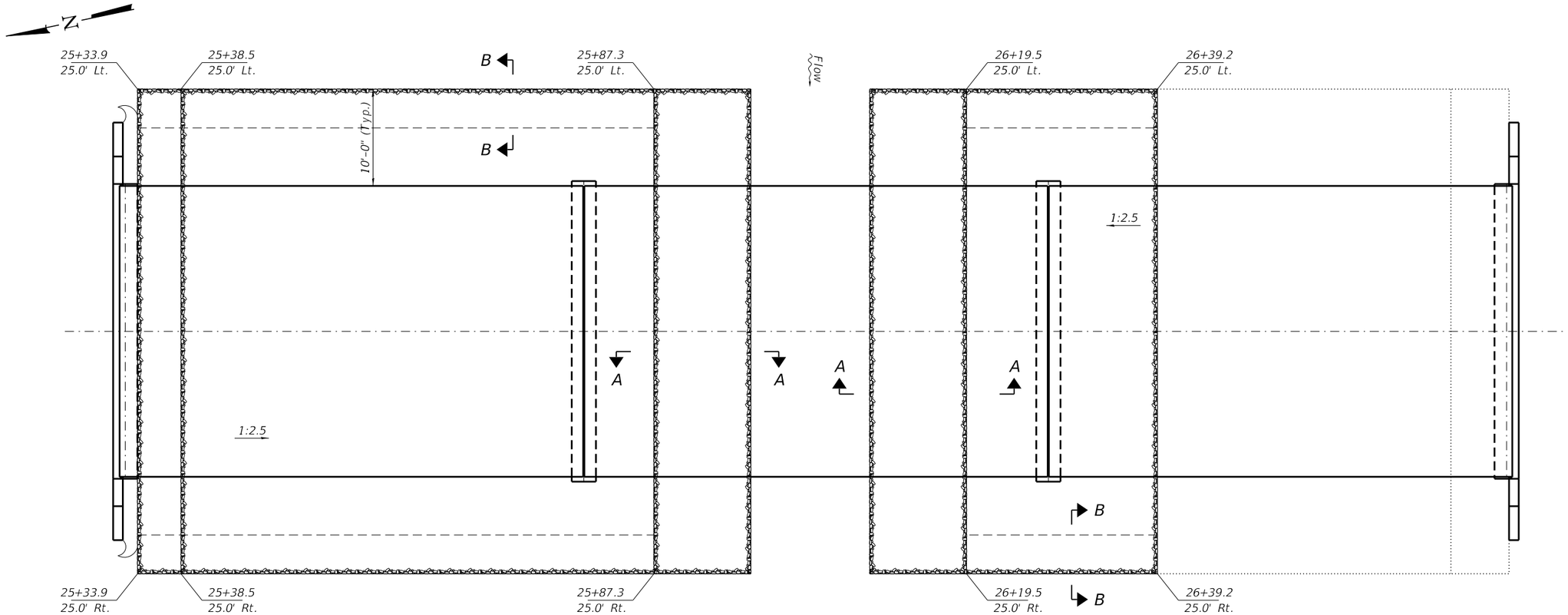
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

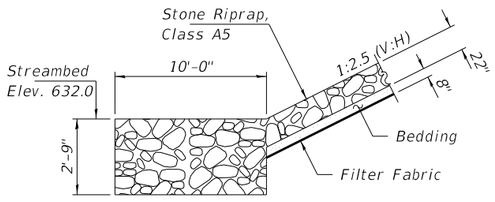
GENERAL DATA
STRUCTURE NO. 102-3130

SHEET NO. 2 OF 17 SHEETS

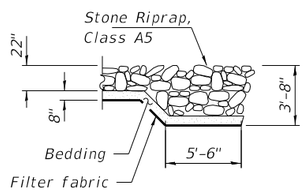
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	12
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		



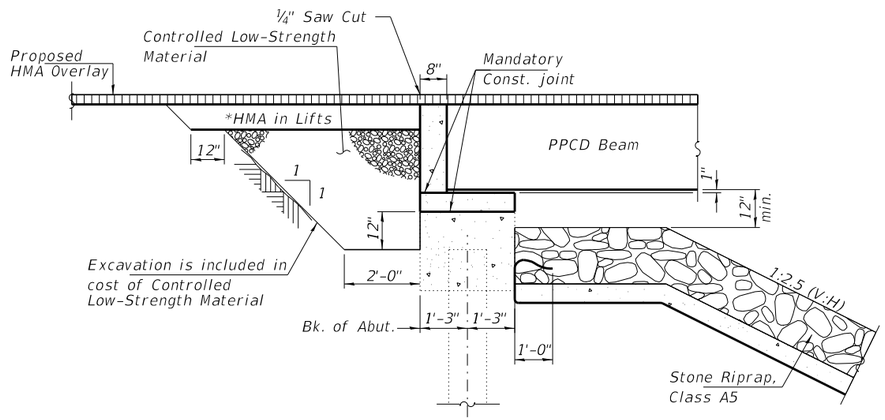
RIPRAP LAYOUT



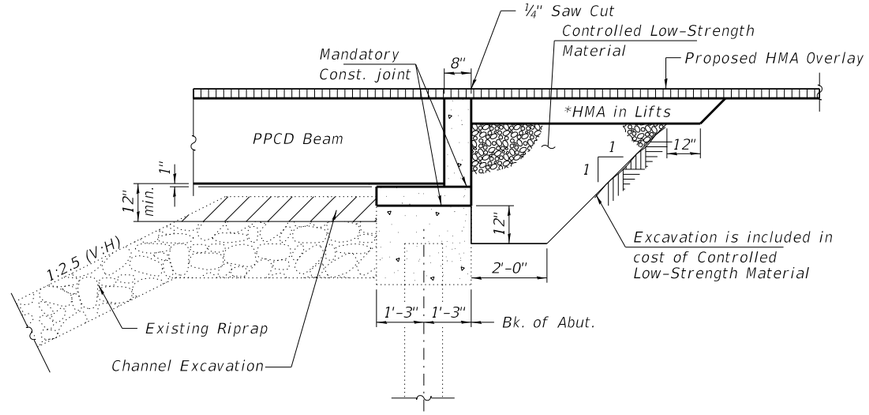
SECTION A-A



SECTION B-B



SECTION THRU NORTH ABUTMENT



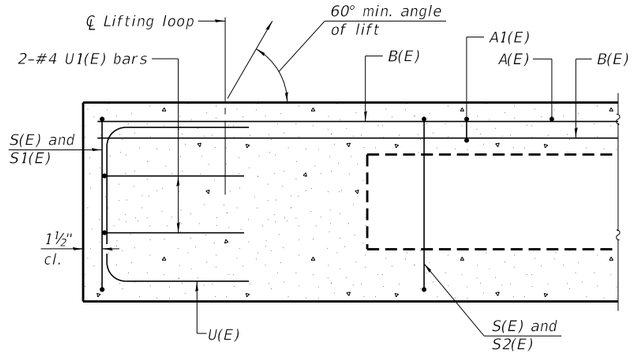
SECTION THRU SOUTH ABUTMENT

Conctractor shall remove riprap, excavate and manually replace to provide 12" of clearance as shown. Cost included in Removal of Existing Superstructure.

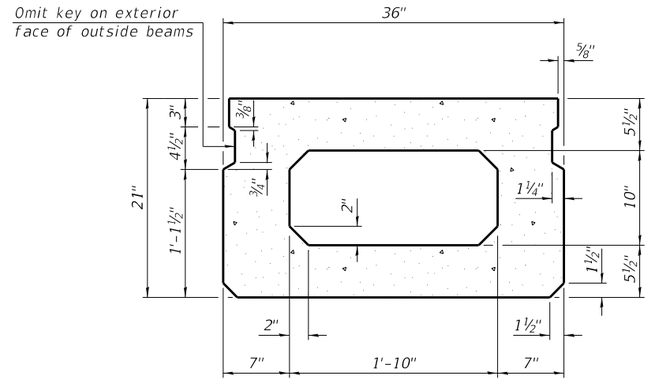
**To be included with roadway plans (See Special Provisions)*

FILE NAME = 190013-shl-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	RIPRAP LAYOUT STRUCTURE NO. 102-3130
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP: 184.000959		CHECKED - S.T.M.	REVISED -		SHEET NO. 3 OF 17 SHEETS
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -		
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -		

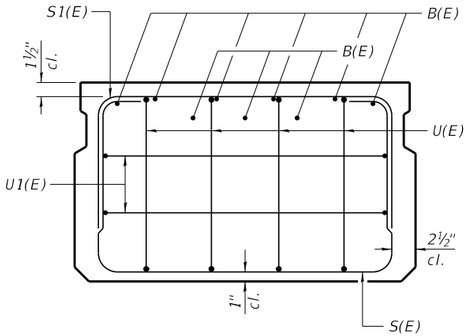
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	13
		CONTRACT NO. 89779		
		ILLINOIS FED. AID PROJECT NO. ZH0Y(896)		



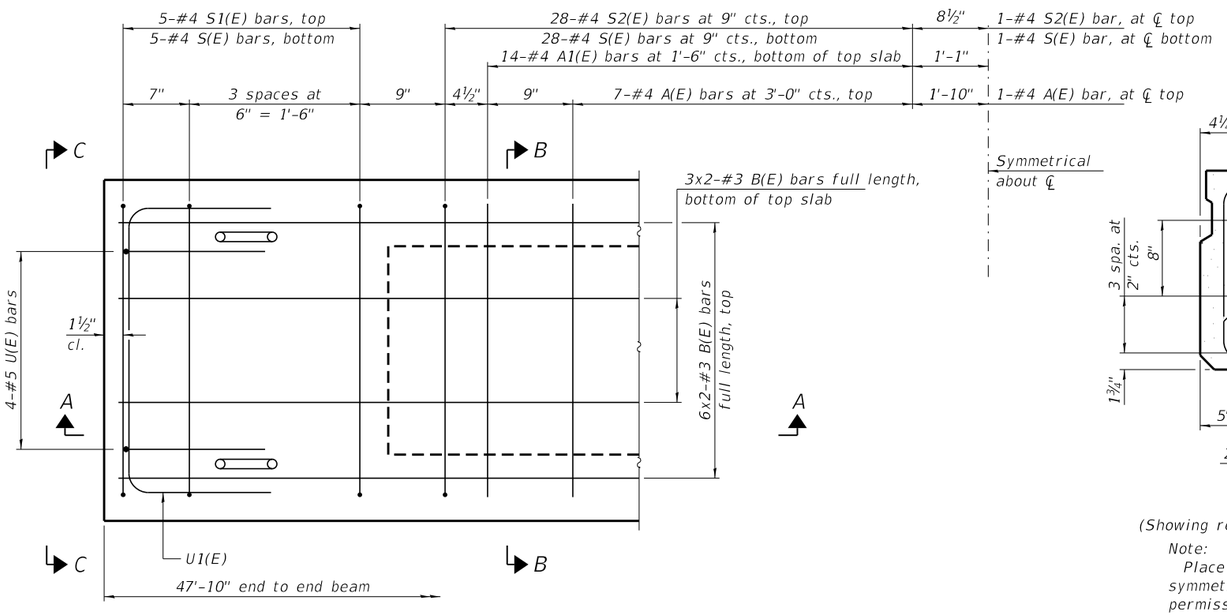
SECTION A-A



SECTION B-B
(Showing dimensions)



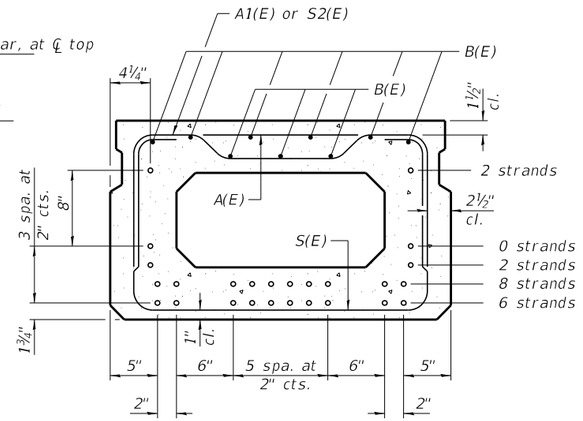
VIEW C-C



PLAN VIEW

Note:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.
Bars indicated thus 6x2-#3 etc. indicates 6 lines of bars with 2 lengths per line

Symmetrical about ℄



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.

MINIMUM BAR LAP
#3 bar = 1'-6"

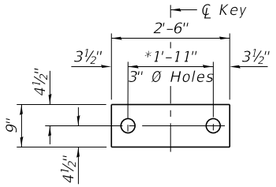
BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	15	#4	2'-7"	—
A1(E)	28	#4	2'-10"	⌒
B(E)	18	#3	24'-7"	—
S(E)	67	#4	6'-5"	⊔
S1(E)	10	#4	4'-11"	⊓
S2(E)	57	#4	5'-2"	⊓
U(E)	8	#5	4'-0"	⊏
U1(E)	4	#4	5'-0"	⊓

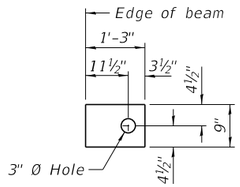
Note:
See sheet 4 and 5 of 17 for additional details and Bill of Material.

PD-2136-0 1-1-2020

FILE NAME = 190013-sht-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	21" x 36" PPC DECK BEAM - SPANS 1, 2 & 3 STRUCTURE NO. 102-3130	F.A.S. 363 / SECTION 18-00166-00-BR / COUNTY WOODFORD / TOTAL SHEETS 65 / SHEET NO. 14
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -			CONTRACT NO. 89779
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -			ILLINOIS / FED. AID PROJECT NO. ZH0Y(896)
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -		SHEET NO. 4 OF 17 SHEETS	



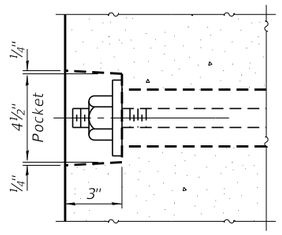
FABRIC BEARING PAD
(Interior - 54 req'd)



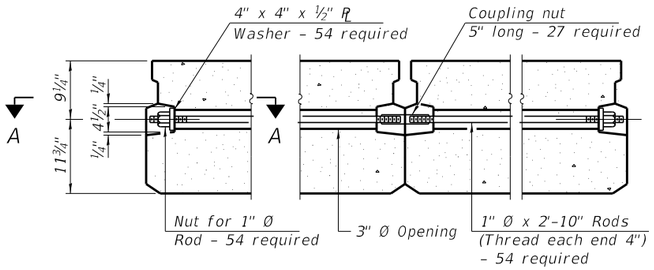
FABRIC BEARING PAD
(Exterior - 12 req'd)

FIXED

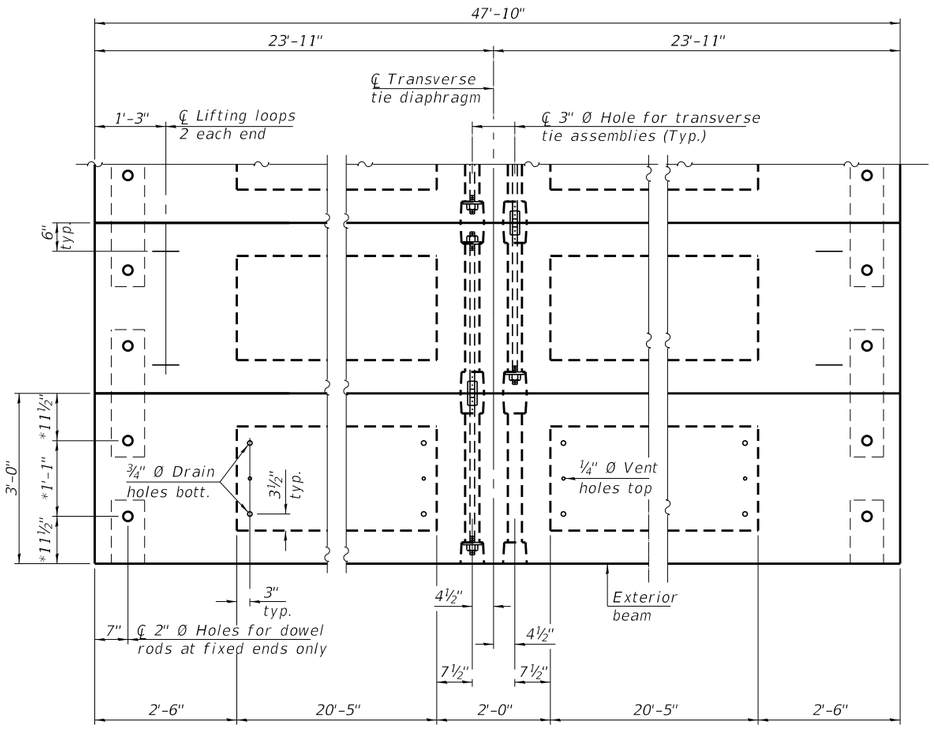
Notes:
All bearing pads shall be 1" thick.



SECTION A-A



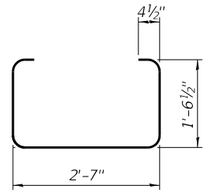
TYPICAL TRANSVERSE TIE ASSEMBLY



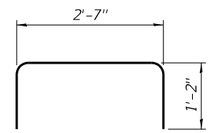
PLAN VIEW

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

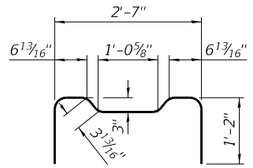
*Dowel rod hole locations modified to miss existing dowels.



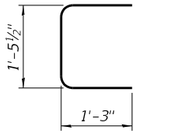
BAR S(E)



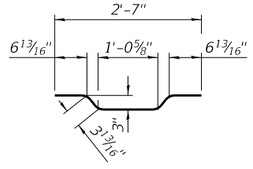
BAR S1(E)



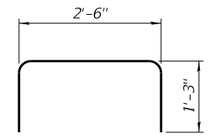
BAR S2(E)



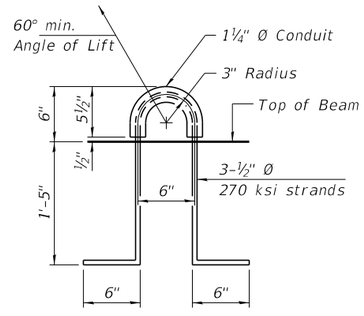
BAR U(E)



BAR A1(E)



BAR U1(E)



LIFTING LOOP DETAIL

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø 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 ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" Ø lifting pin shall be used to engage the lifting loops during handling.

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

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

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

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (21" depth)	Sq. Ft.	4,305

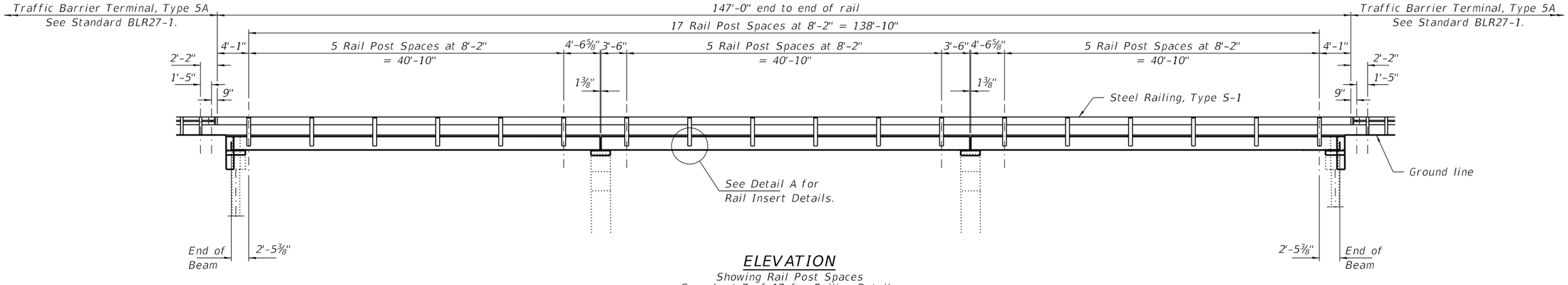
PDD-2136-0 1-1-2020

FILE NAME = 190013-sht-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -	
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -	

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

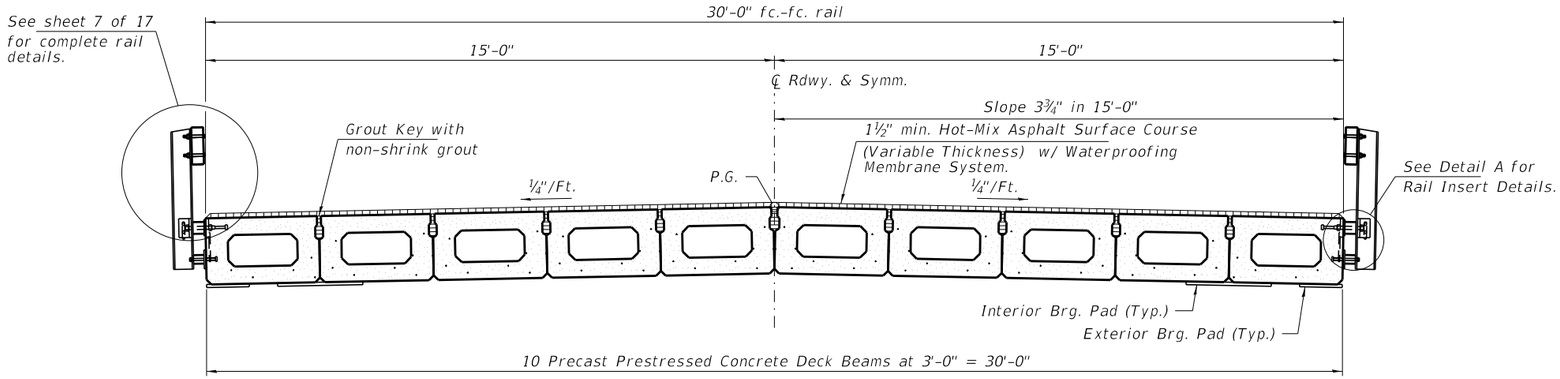
21" x 36" PPC DECK BEAM DETAILS - SPANS 1, 2 & 3
STRUCTURE NO. 102-3130
SHEET NO. 5 OF 17 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	15
		CONTRACT NO. 89779		
		ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)	



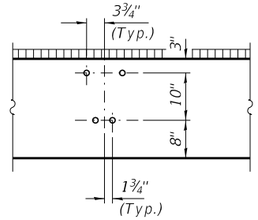
ELEVATION

Showing Rail Post Spaces
See sheet 7 of 17 for Railing Details.

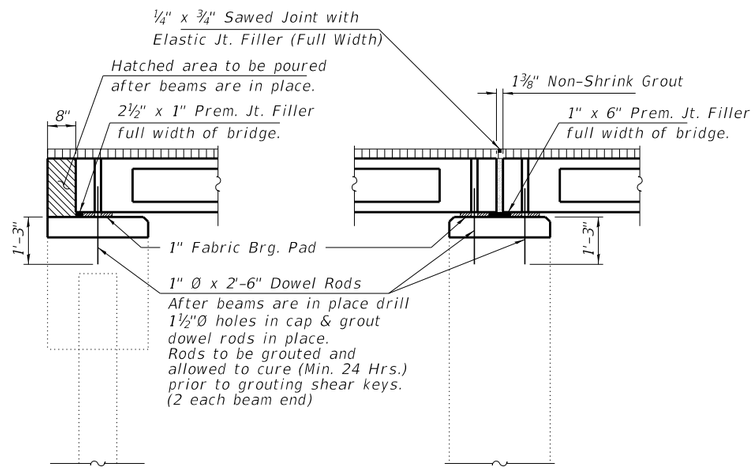


CROSS SECTION

See sheets 4 & 5 of 17 for Superstructure Details.

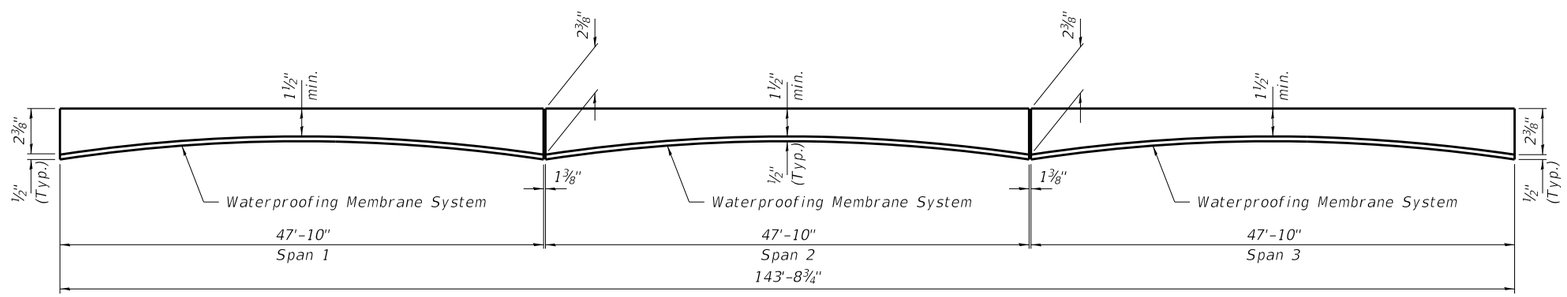


DETAIL A



SECTION AT ABUTMENTS

SECTION AT PIERS

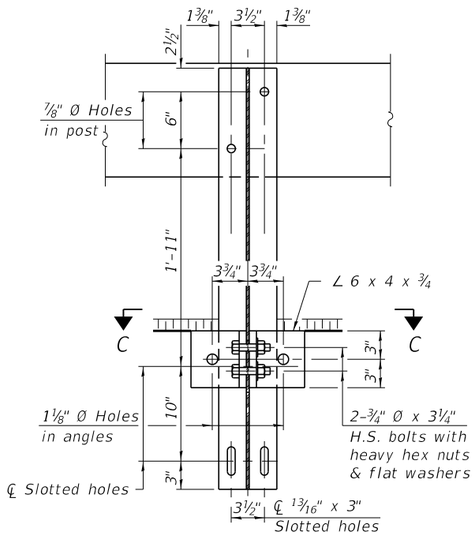


ANTICIPATED HMA WEARING SURFACE PROFILE

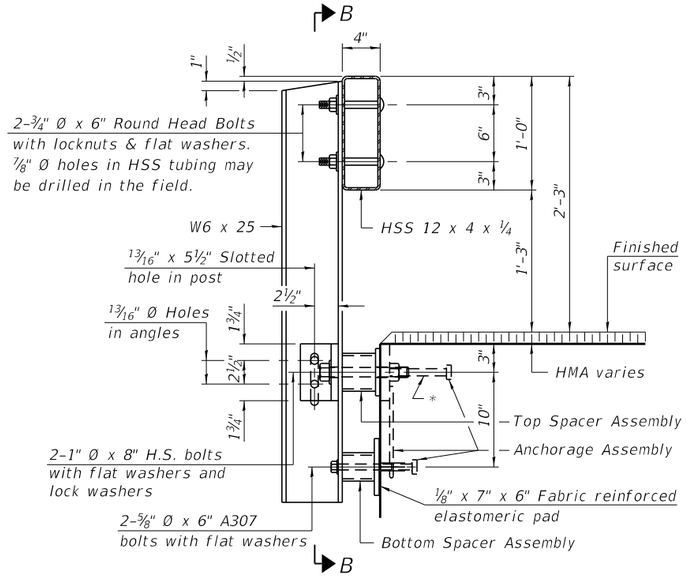
(For information only - beam camber may vary in field.)

FILE NAME = 190013-shl-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE DETAILS STRUCTURE NO. 102-3130
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -		SHEET NO. 6 OF 17 SHEETS
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -		
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -		

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	16
		CONTRACT NO. 89779		
		ILLINOIS FED. AID PROJECT NO. ZH0Y(896)		

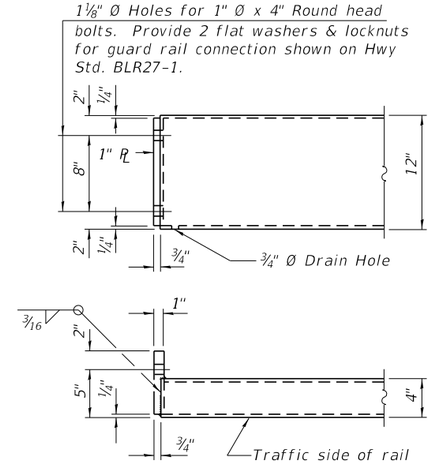


SECTION B-B



SECTION AT RAILING POST

* *The outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchorage assembly. The anchorage studs may be bent down ½" to accommodate the top reinforcement bar placement.*



END OF RAIL DETAILS

Notes:

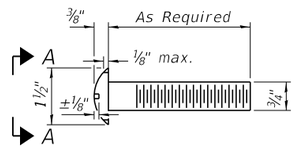
A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11½", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than ¼" (top) or ½" (bottom), longer bolts are required. Cost included with Steel Railing, Type S-1.

All steel rail elements including shims shall be galvanized according to Article 509.05 of the Standard Specifications.

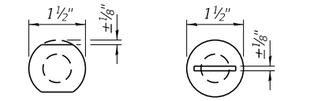
All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

Rail splice inserts may be built out of 2 -⅜" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.

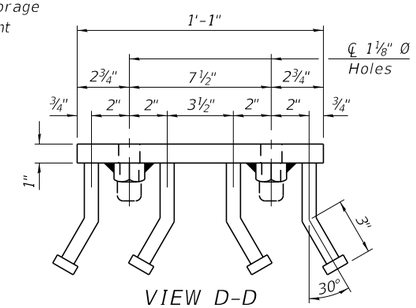
All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 grade A.



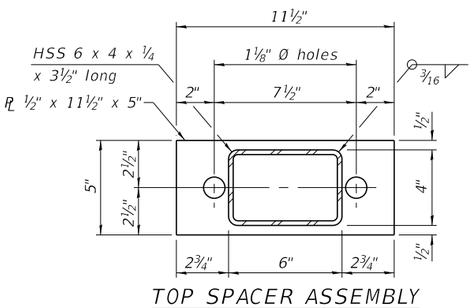
ROUND HEAD BOLT DETAIL



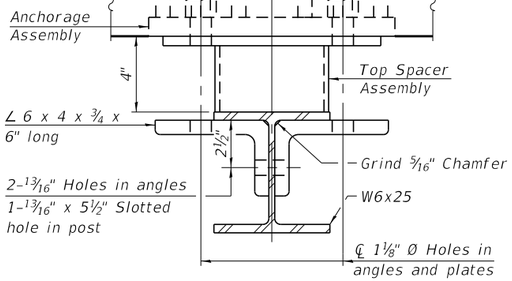
VIEW A-A



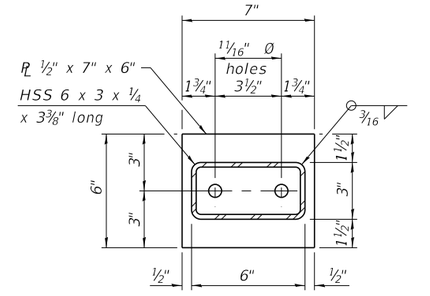
VIEW D-D



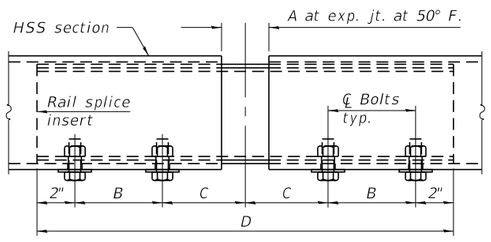
TOP SPACER ASSEMBLY



SECTION C-C



BOTTOM SPACER ASSEMBLY



RAIL SPLICE ELEVATION

SECTION AT RAIL SPLICE

RAIL SPLICE CONNECTION AT EXPANSION JT.

ANCHORAGE ASSEMBLY

** *Threaded areas shall be plugged or blocked off during casting of concrete.*

RAILING CRITERIA

NCHRP 350 Test Level	2
Railing Weight (plf)	50
Max Post Spacing	10'-9"
HMA thickness range (in)	1¼ - 3⅛

R-23A 10-12-2021

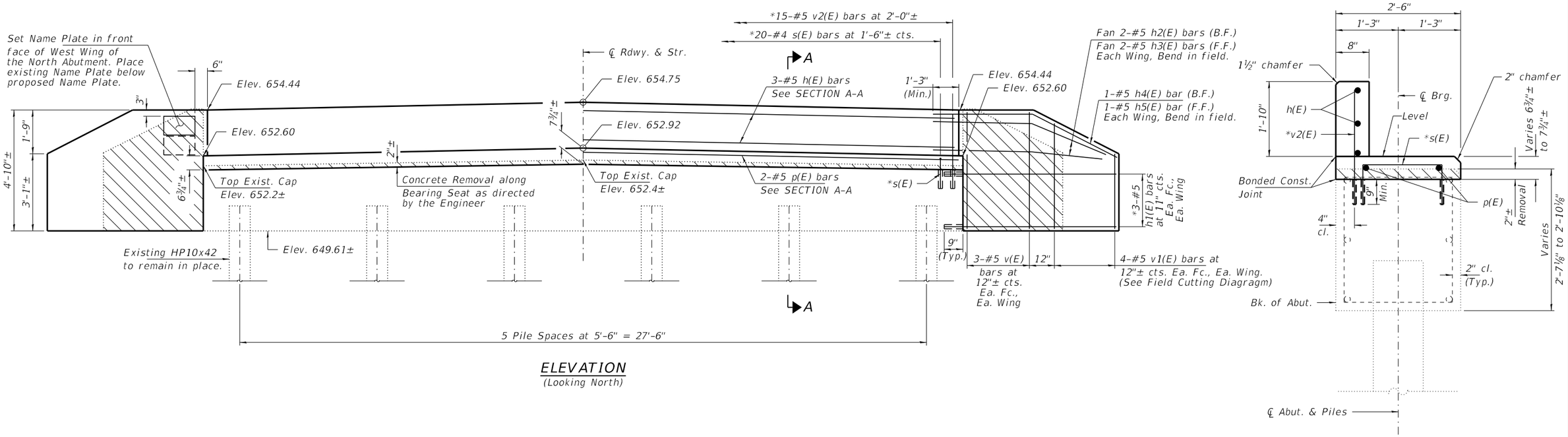
SPLICE DIMENSIONS

Location	T	A	B	C	D	E
All locs. not over exp. jts.	0	¼"	4"	4"	1'-8"	-
Over Strip Seal Jt.	≤4"	2½"	4⅝"	4⅜"	1'-10"	3 1/16"
Over Finger or Modular Jt.	≤9½"	5½"	7⅜"	7¼"	2'-9¼"	5 13/16"
Over Finger or Modular Jt.	≤15"	8¼"	10⅛"	10"	3'-8¼"	8 9/16"

T = ; total movement along centerline of roadway at expansion joint.

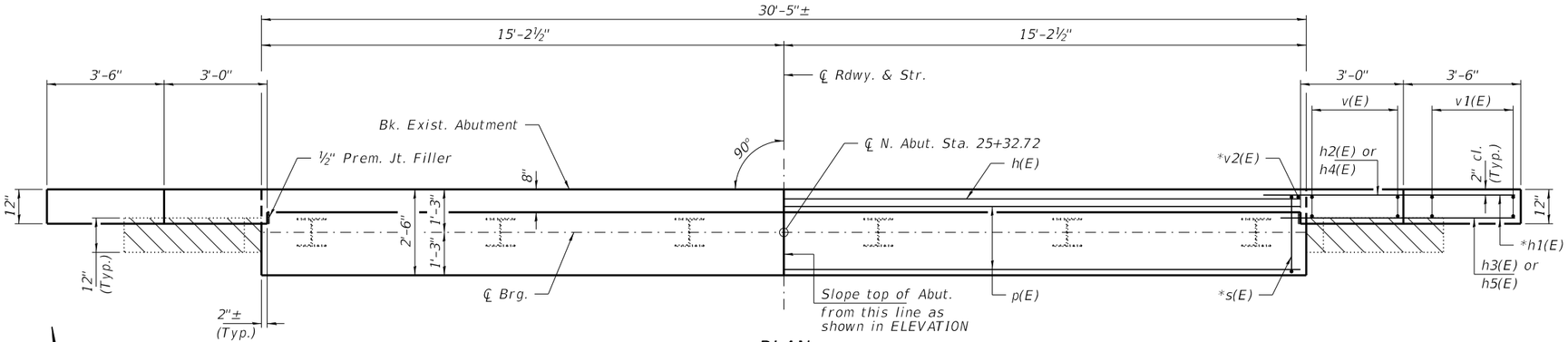
BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type S-1	Foot	294



ELEVATION
(Looking North)

SECTION A-A
Backwall and wingwalls are to be poured after beams are in place.



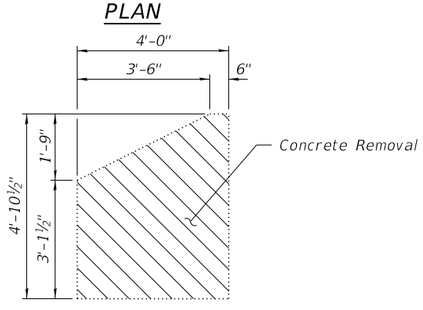
PLAN

*h1(E), s(E), and v2(E) bars shall be drilled and set according to Art. 509.06 of the Standard Specifications. Bars shall have a 9" minimum embedment depth, be set in 1"Ø holes and filled with an approved epoxy grout.

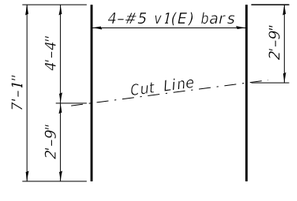
Hatched area indicates Concrete Removal

BILL OF MATERIAL - N. ABUT.

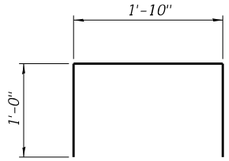
BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	3	#5	30'-1"	——
h1(E)	12	#5	7'-0"	——
h2(E)	4	#5	7'-4"	——
h3(E)	4	#5	5'-10"	——
h4(E)	2	#5	8'-0"	——
h5(E)	2	#5	6'-6"	——
p(E)	2	#5	30'-1"	——
s(E)	20	#4	3'-10"	⊓
v(E)	12	#5	4'-5"	——
v1(E)	8	#5	7'-1"	——
v2(E)	15	#5	3'-0"	——
Concrete Structures			Cu. Yd.	5.1
Concrete Removal			Cu. Yd.	1.7
Reinf. Bars, Epoxy Coated			Pound	540
Name Plates (Special)			Each	1
Asbestos Bearing Pad Removal			Each	11



EXISTING WINGWALL CONCRETE REMOVAL



FIELD CUTTING DIAGRAM
Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face.



BAR S(E)

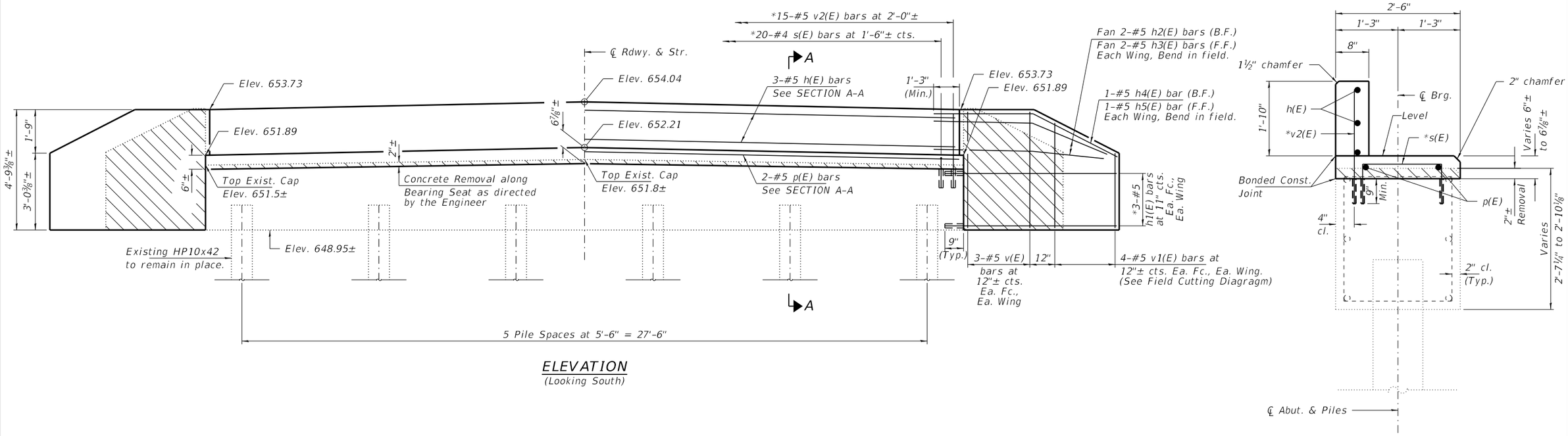
Notes:
The contractor shall repair, at their own expense, any damage to the substructure caused by removal operations.
Cost of drilling and grouting reinforcement bars included in cost for Concrete Structures.
Existing wingwall reinforcement which extends into the abutment cap shall be burned off flush with surface, ground smooth, and sealed with epoxy. Cost included with Concrete Removal.
The existing top of abutment cap is sloped. The Contractor shall level top of cap to the satisifaction of the Engineer during removal.
Backwall and wingwalls shall be poured after the beams are in place.
See Existing Plans for existing reinforcement placement.

FILE NAME = 190013-sht-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

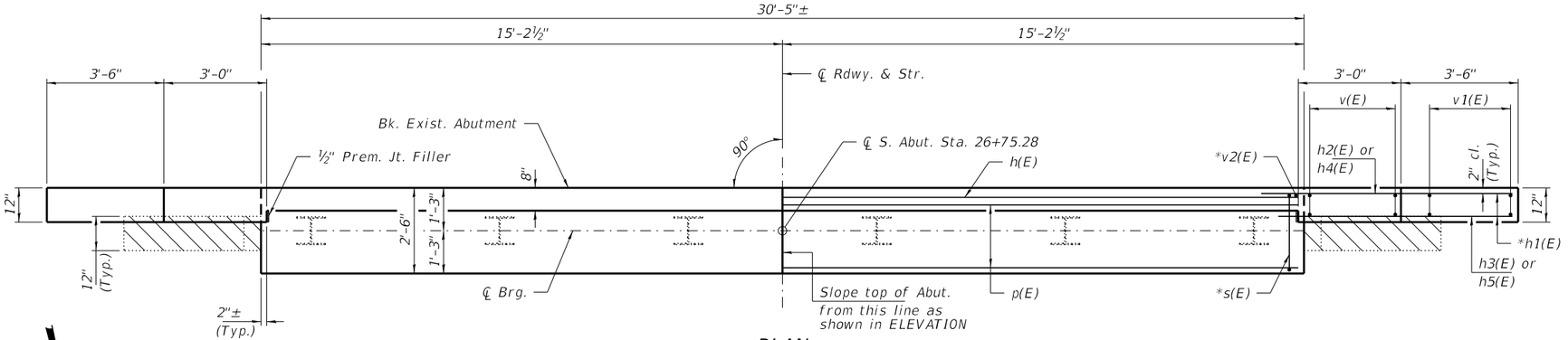
NORTH ABUTMENT
STRUCTURE NO. 102-3130
SHEET NO. 8 OF 17 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	18
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		



ELEVATION
(Looking South)

SECTION A-A
Backwall and wingwalls are to be poured after beams are in place.



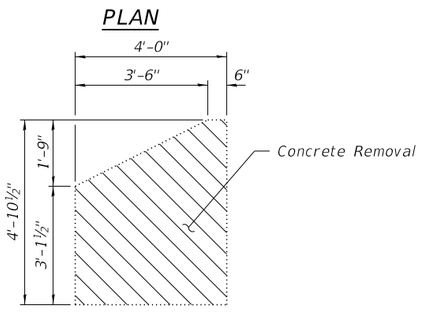
PLAN

*h1(E), s(E), and v2(E) bars shall be drilled and set according to Art. 509.06 of the Standard Specifications. Bars shall have a 9" minimum embedment depth, be set in 1"Ø holes and filled with an approved epoxy grout.

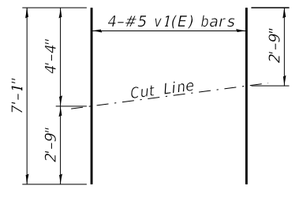
Hatched area indicates Concrete Removal

BILL OF MATERIAL - S. ABUT.

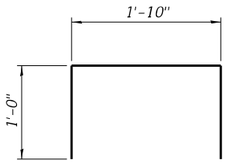
BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	3	#5	30'-1"	——
h1(E)	12	#5	7'-0"	——
h2(E)	4	#5	7'-4"	——
h3(E)	4	#5	5'-10"	——
h4(E)	2	#5	8'-0"	——
h5(E)	2	#5	6'-6"	——
p(E)	2	#5	30'-1"	——
s(E)	20	#4	3'-10"	⊓
v(E)	12	#5	4'-5"	——
v1(E)	8	#5	7'-1"	——
v2(E)	15	#5	3'-0"	——
Concrete Structures			Cu. Yd.	4.9
Concrete Removal			Cu. Yd.	1.7
Reinf. Bars, Epoxy Coated			Pound	540
Asbestos Bearing Pad Removal			Each	11



EXISTING WINGWALL CONCRETE REMOVAL



FIELD CUTTING DIAGRAM
Order v1(E) bars full length. Cut as shown and use remainder of bars in opposite face.



BAR S(E)

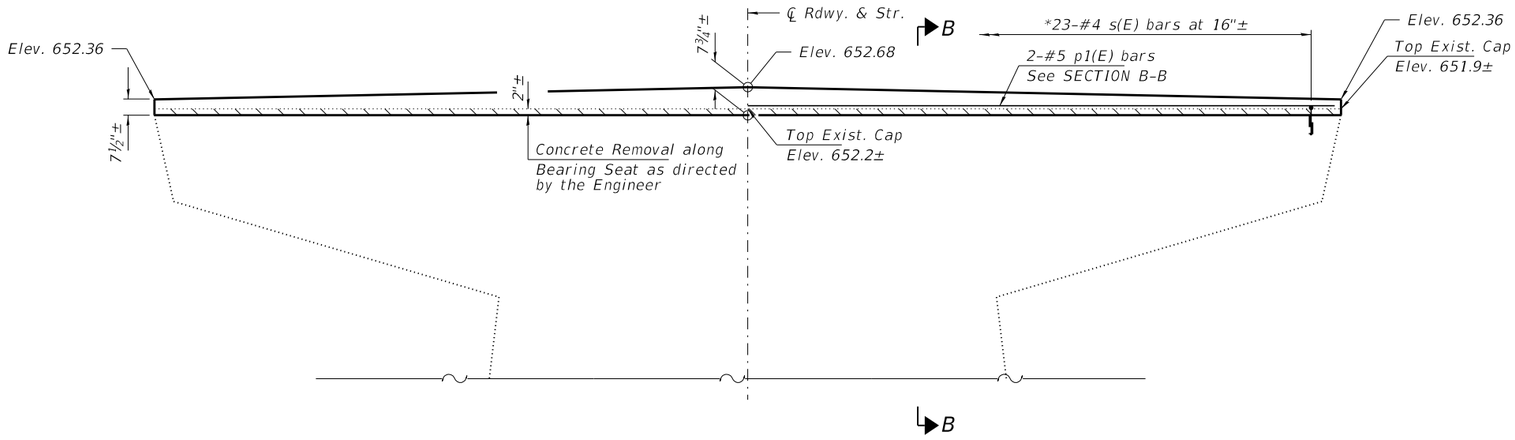
Notes:
The contractor shall repair, at their own expense, any damage to the substructure caused by removal operations.
Cost of drilling and grouting reinforcement bars included in cost for Concrete Structures.
Existing wingwall reinforcement which extends into the abutment cap shall be burned off flush with surface, ground smooth, and sealed with epoxy. Cost included with Concrete Removal.
The existing top of abutment cap is sloped. The Contractor shall level top of cap to the satisifaction of the Engineer during removal.
Backwall and wingwalls shall be poured after the beams are in place.
See Existing Plans for existing reinforcement placement.

FILE NAME = 190013-sht-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -

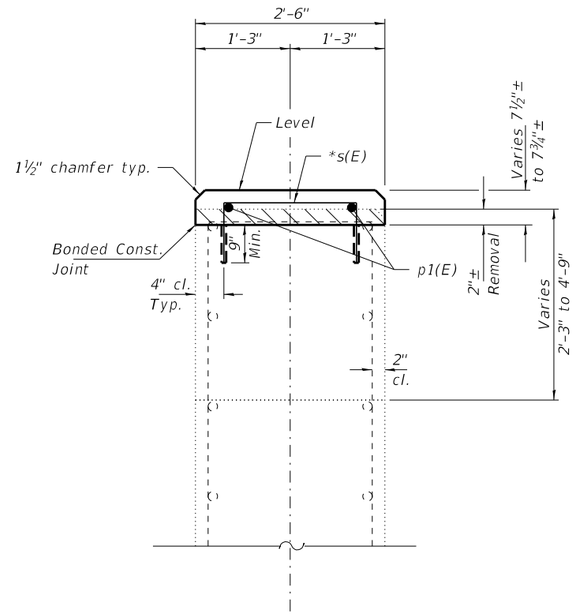
STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

SOUTH ABUTMENT
STRUCTURE NO. 102-3130
SHEET NO. 9 OF 17 SHEETS

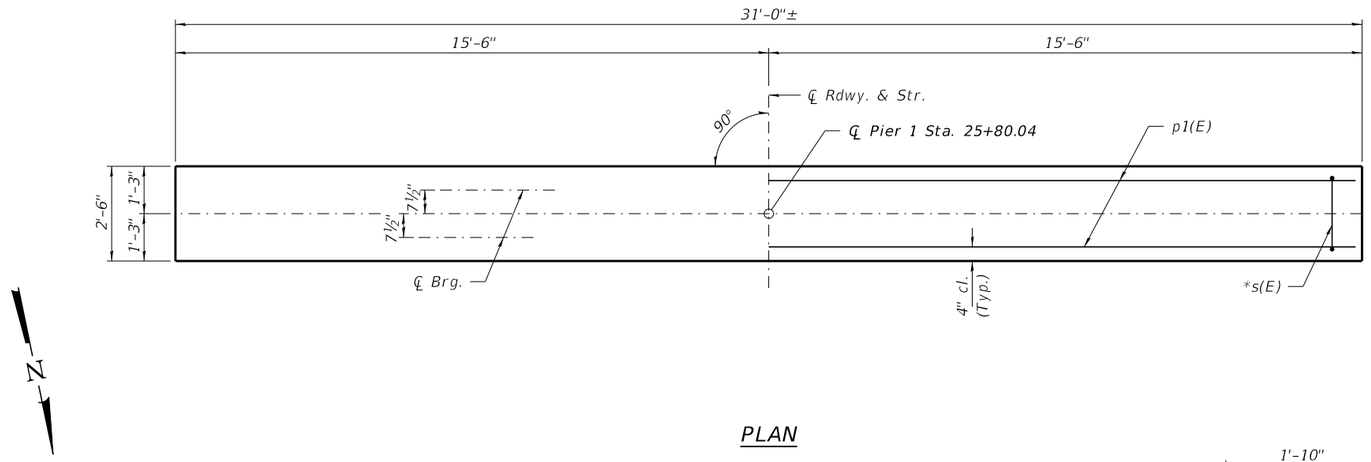
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	19
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		



ELEVATION
(Looking South)



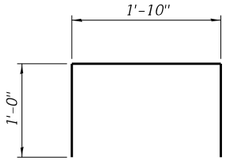
SECTION B-B



PLAN

*s(E) bars shall be drilled and set according to Art. 509.06 of the Standard Specifications. Bars shall have a 9" minimum embedment depth, be set in 1"Ø holes and filled with an approved epoxy grout.

Hatched area indicates Concrete Removal



BAR S(E)

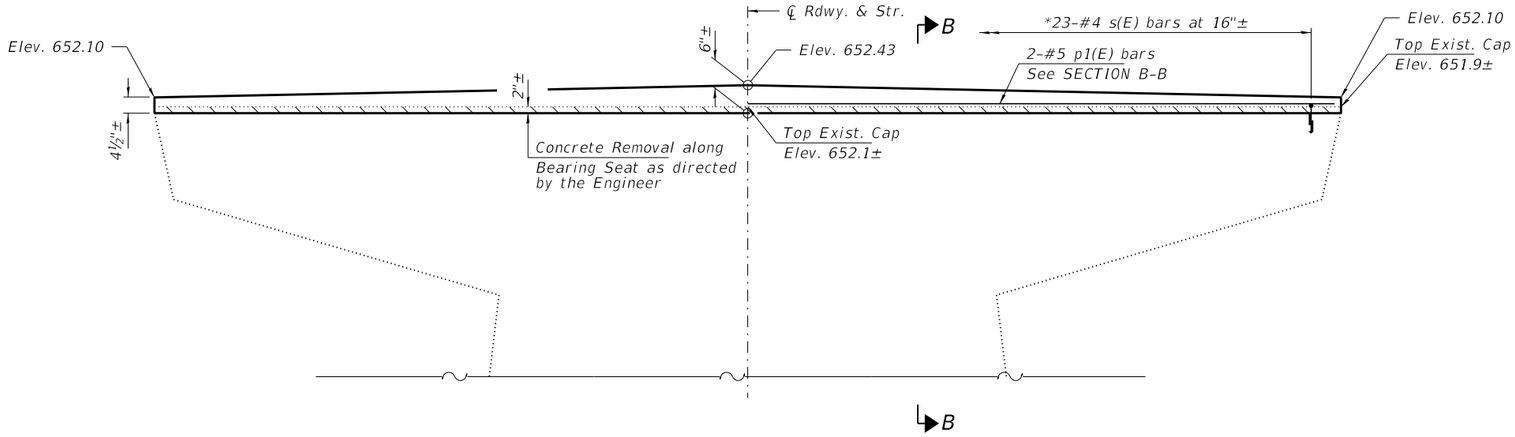
BILL OF MATERIAL - PIER 1

BAR	NO.	SIZE	LENGTH	SHAPE
p1(E)	2	#5	30'-8"	———
s(E)	23	#4	3'-10"	⊓
Concrete Structures			Cu. Yd.	1.8
Concrete Removal			Cu. Yd.	0.5
Reinf. Bars, Epoxy Coated			Pound	120
Structural Repair of Concrete (Depth ≤ 5")			Sq. Ft.	30
Asbestos Bearing Pad Removal			Each	22

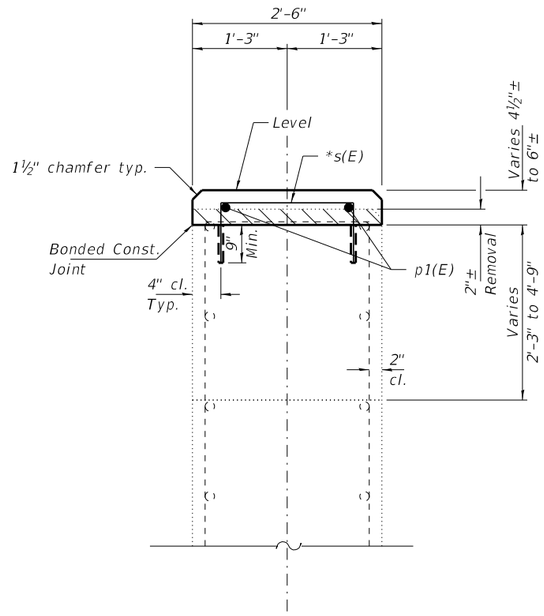
See sheet 12 of 17 for Structural Repair of Concrete (Depth ≤ 5")

Notes:
The contractor shall repair, at their own expense, any damage to the substructure caused by removal operations.
Cost of drilling and grouting reinforcement bars included in cost for Concrete Structures.
The existing top of pier cap is sloped. The Contractor shall level top of cap to the satisifaction of the Engineer during removal.
See Existing Plans for existing reinforcement placement.

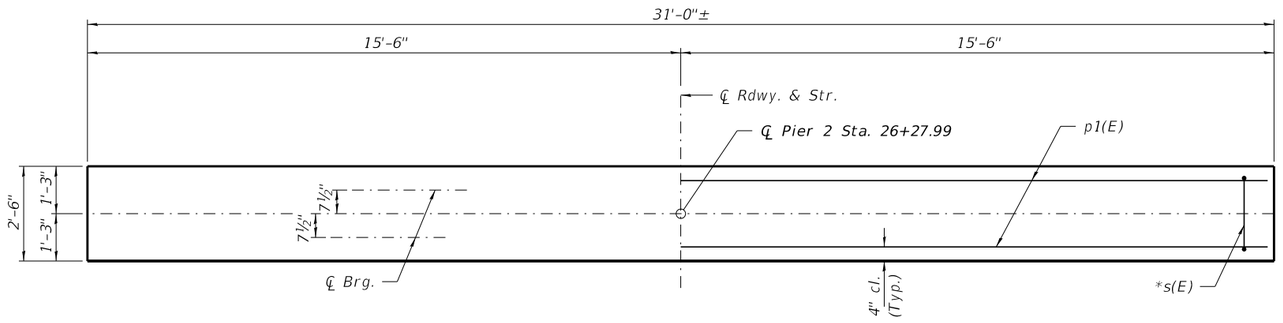
FILE NAME = 190013-shi-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	PIER 1 STRUCTURE NO. 102-3130	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -			363	18-00166-00-BR	WOODFORD	65	20
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -					CONTRACT NO. 89779		
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -		SHEET NO. 10 OF 17 SHEETS			ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)	



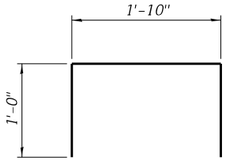
ELEVATION
(Looking South)



SECTION B-B



PLAN



BAR S(E)

*s(E) bars shall be drilled and set according to Art. 509.06 of the Standard Specifications. Bars shall have a 9" minimum embedment depth, be set in 1"Ø holes and filled with an approved epoxy grout.

Hatched area indicates Concrete Removal

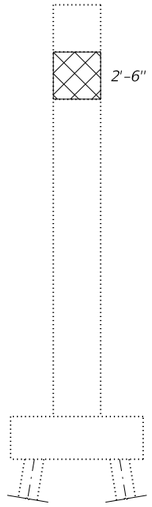
BILL OF MATERIAL - PIER 2

BAR	NO.	SIZE	LENGTH	SHAPE
p1(E)	2	#5	30'-8"	———
s(E)	23	#4	3'-10"	⊓
Concrete Structures			Cu. Yd.	1.3
Concrete Removal			Cu. Yd.	0.5
Reinf. Bars, Epoxy Coated			Pound	120
Structural Repair of Concrete (Depth ≤ 5")			Sq. Ft.	90
Asbestos Bearing Pad Removal			Each	22

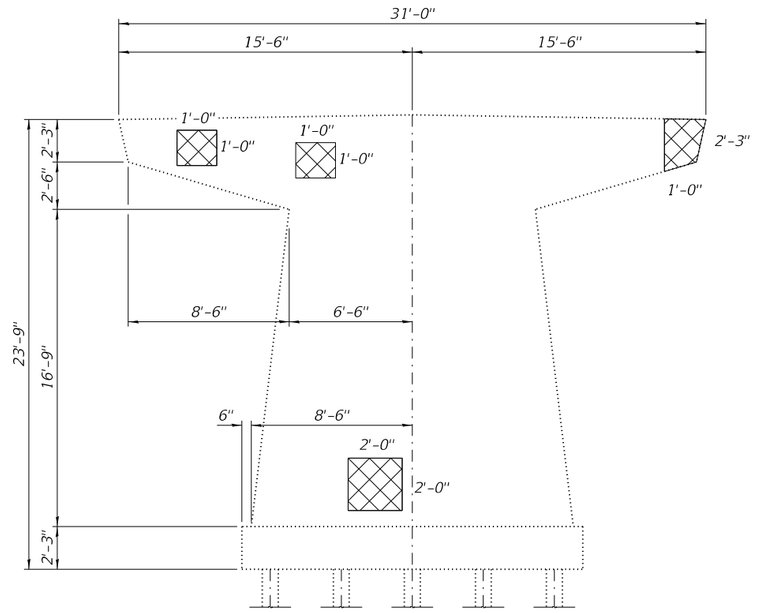
See sheet 13 of 17 for Structural Repair of Concrete (Depth ≤ 5")

Notes:
The contractor shall repair, at their own expense, any damage to the substructure caused by removal operations.
Cost of drilling and grouting reinforcement bars included in cost for Concrete Structures.
The existing top of pier cap is sloped. The Contractor shall level top of cap to the satisifaction of the Engineer during removal.
See Existing Plans for existing reinforcement placement.

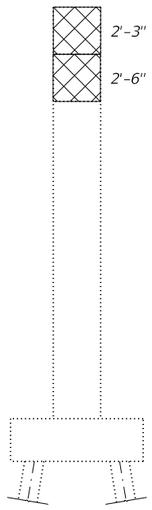
FILE NAME = 190013-shl-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	PIER 2 STRUCTURE NO. 102-3130	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -			363	18-00166-00-BR	WOODFORD	65	21
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -					CONTRACT NO. 89779		
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -		SHEET NO. 11 OF 17 SHEETS		ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		



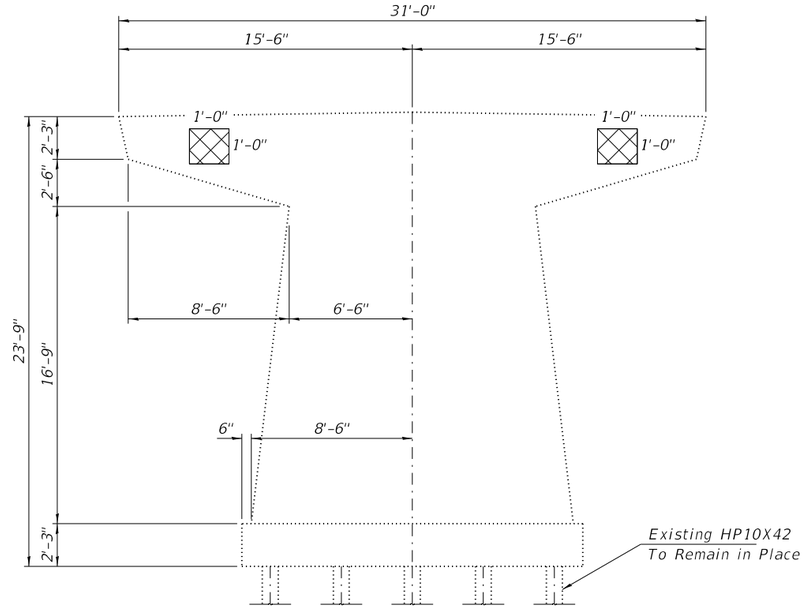
EAST END VIEW
(Looking West)



NORTH FACE ELEVATION
(Looking South)



WEST END VIEW
(Looking East)

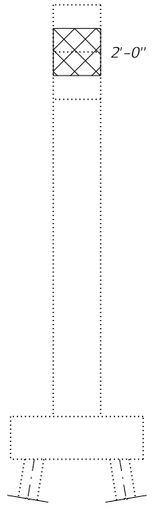


SOUTH FACE ELEVATION
(Looking North)

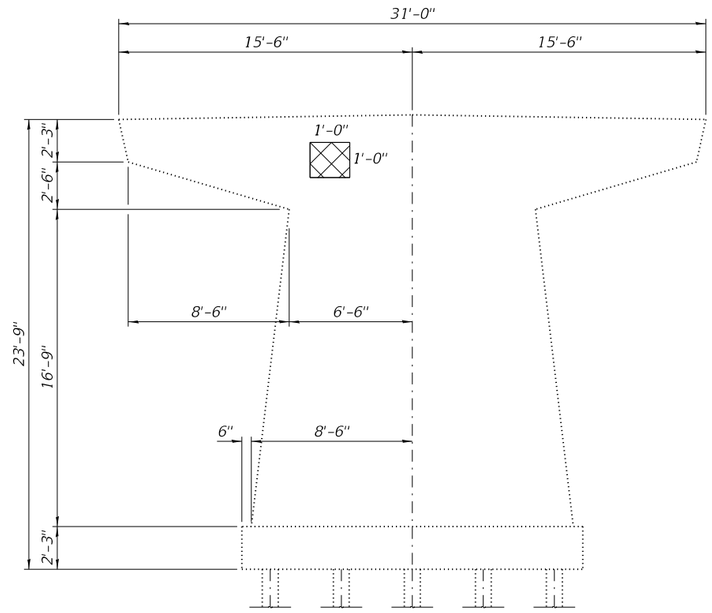
Structural Repair of Concrete (≤ 5")

FILE NAME = 190013-sht-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	CONCRETE REPAIR - PIER 1 STRUCTURE NO. 102-3130 SHEET NO. 12 OF 17 SHEETS
HAMPTON, LENZINI AND RENWICK, INC. 3365 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -		
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -		
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -		

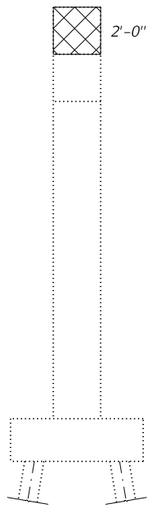
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	22
		CONTRACT NO. 89779		
		ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)	



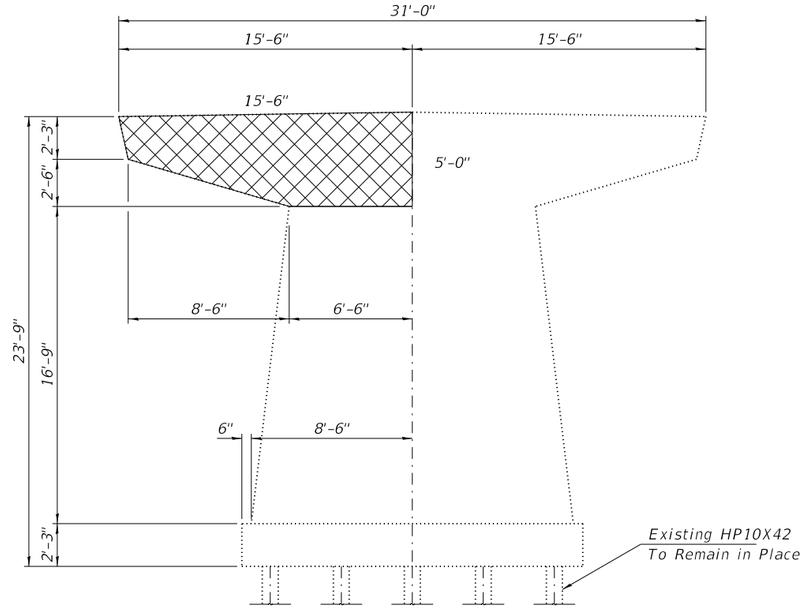
EAST END VIEW
(Looking West)



NORTH FACE ELEVATION
(Looking South)



WEST END VIEW
(Looking East)



SOUTH FACE ELEVATION
(Looking North)

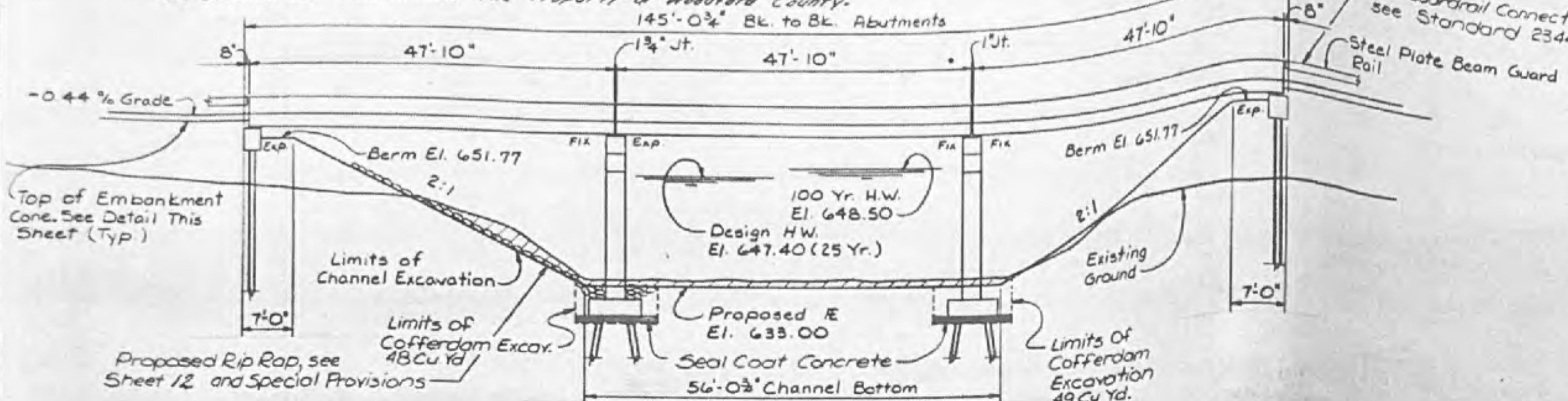
Structural Repair of Concrete (≤ 5")

FILE NAME = 190013-sht-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	CONCRETE REPAIR - PIER 2 STRUCTURE NO. 102-3130	F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3365 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -			363	18-00166-00-BR	WOODFORD	65	23
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -					CONTRACT NO. 89779		
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -		SHEET NO. 13 OF 17 SHEETS			ILLINOIS FED. AID PROJECT NO. Z-H0Y(896)		

Spike in Power Pole. Elev 645.11

EXISTING STRUCTURE: Thru Truss 90' ± long x 15' Wide ± to be removed by the Contractor Per Direction of the Engineer. See Road Plans for construction sequence.

SALVAGE: All Material Deemed Salvable By The Engineer Shall Be Stockpiled on The Jobsite And Shall Remain The Property of Woodford County.

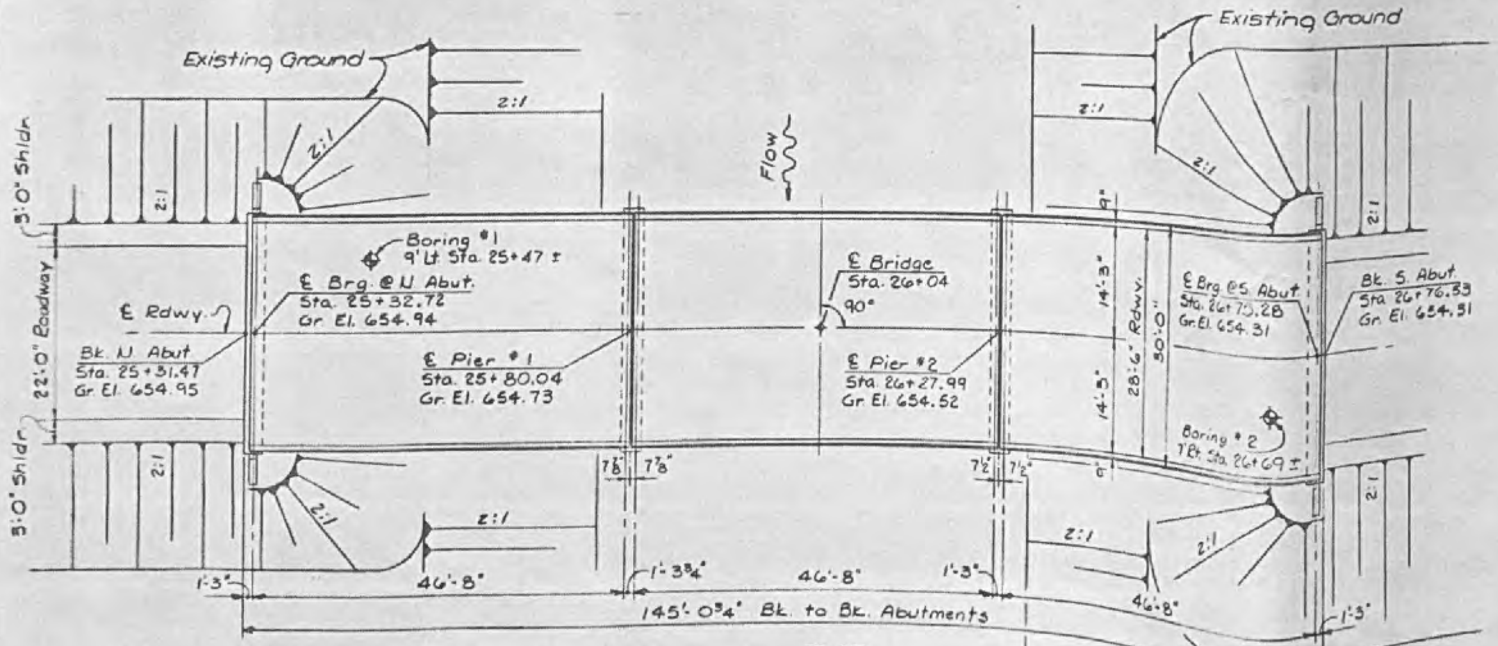


ELEVATION

WATERWAY DATA

Drainage Area	186	Sq. Mi. **
Existing Opening	1036	Sq. Ft.
Required Opening (25 Yr.)	1130	Sq. Ft.
Proposed Opening	1130	Sq. Ft.
Design Frequency Discharge (25 Yr.)	5310	C.F.S.
Created Head For Design Flood	0.4	Ft. **
100 Year Discharge	11,130	C.F.S. **
Created Head For 100 Year Flood	0.5	Ft. **

** Main Structure and Overflow Structure-Combined



PLAN

DESIGN STRESSES
PRECAST PRESTRESSED CONCRETE

f'c = 5,000 p.s.i.

DESIGN STRESSES

fc = 1400 p.s.i. (Sub)
fs = 20,000 p.s.i. (Reinf.)
n = 8.5

-	WOODFORD	29	7

Sec. 77-00059-00-BR

GENERAL NOTES

Standard Specifications for Road and Bridge Construction, adopted by the Illinois Department of Transportation July 1, 1976 shall apply.

All structural steel shall be shop painted with two coats of basic lead silico chromate paint.

Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

For Soil Borings See Special Provisions.

All Transverse Tie Assemblies (nuts, bolts, and washers) shall be Hot Dipped Galvanized in accordance with AASHTO Designation M 232.

The Contractor shall drive two test piles in a permanent location as directed by the Engineer before ordering the remainder of piles. The test piles are to be located, one at Pier #1 and one at South Abutment.

It is the Contractor's responsibility to comply with all applicable Local, State and Federal Laws, including Occupational Safety and Health Act (OSHA) and Regulations adopted pursuant thereto. The Contractor shall be responsible for construction means, methods, techniques, sequences and procedures; and for safety precautions and programs, including the safety and adequacy of shoring, formwork, sheeting, safety railing, scaffolding and equipment. Ralph Hahn and Associates Consulting & Design Engineers Inc. assumes no responsibility or liability in these matters whatsoever.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

For Proposed Channel Configuration see Sheet No. 12

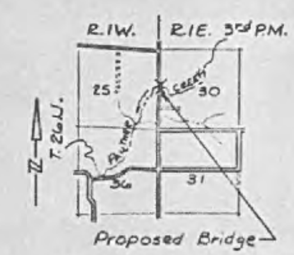
Expansion guards which are not cast in the precast unit shall be fabricated and erected in accordance with Article 503.07(c) of the Standard Specifications and are included in quantity of structural steel.

The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

Provisions shall be made to allow cofferdam to flood when water exceeds elevation 635.00.

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
[illegible]
Engineer of Bridge & Traffic Structures



LOCATION SKETCH

TOTAL BILL OF MATERIALS

	Item	Unit	Quantity
*	Channel Excavation	Cu. Yd.	551
	Bituminous Conc. Surface Course - Class I-MIX. D	Ton	43
	Removal of Existing Structures	Each	1
	Cofferdam Excavation	Cu. Yd.	97
	Cofferdams	Each	2
*	Protective Coat	Sq. Yd.	91
	Class X Concrete	Cu. Yd.	126.3
	Seal Coat Concrete	Cu. Yd.	179
	P.P. Concrete Deck Beams 21" Depth	Sq. Ft.	4305
*	Waterproofing Membrane System	Sq. Yd.	454
	Furnishing & Erecting Structural Steel	Pound	4020
	Reinforcement Bars	Pound	17,620
	Furnished Steel Piles HP10x42	Lin. Ft.	539
	Driving Steel Piles	Lin. Ft.	539
	Test Pile Steel HP10x42	Each	2
	Name Plates	Each	1
*	Dumped Rip Rap	Ton	108
*	Preformed Joint Sealer 2½"	Lin. Ft.	51
*	Portland Cement Mortar Fairing Course	Lin. Ft.	1291

* See Special Provisions

STATION 26+04
BRIDGE OVER PANTHER CREEK
BUILT 1978
FAS. RT. 363 SEC. 77-00059-00-BR
FA PROJ. BR-5-363 (104)
LOADING HS 20
NBIP 102-3130

NAME PLATE
(See Standard 2113)

FRANK L. TILLY
3100
REGISTERED STRUCTURAL ENGINEER OF ILLINOIS
4-5-78

Frank L. Tilly
ILLINOIS STRUCTURAL NO. 3100

LOADING HS20 44

1978 APPROVED 1978

RALPH HAHN & ASSOCIATES
CONSULTING & DESIGN ENGINEERS INC.

GENERAL PLAN & ELEVATION
BRIDGE OVER PANTHER CREEK
PALESTINE ROAD DISTRICT
SECTION 77-00059-00-BR

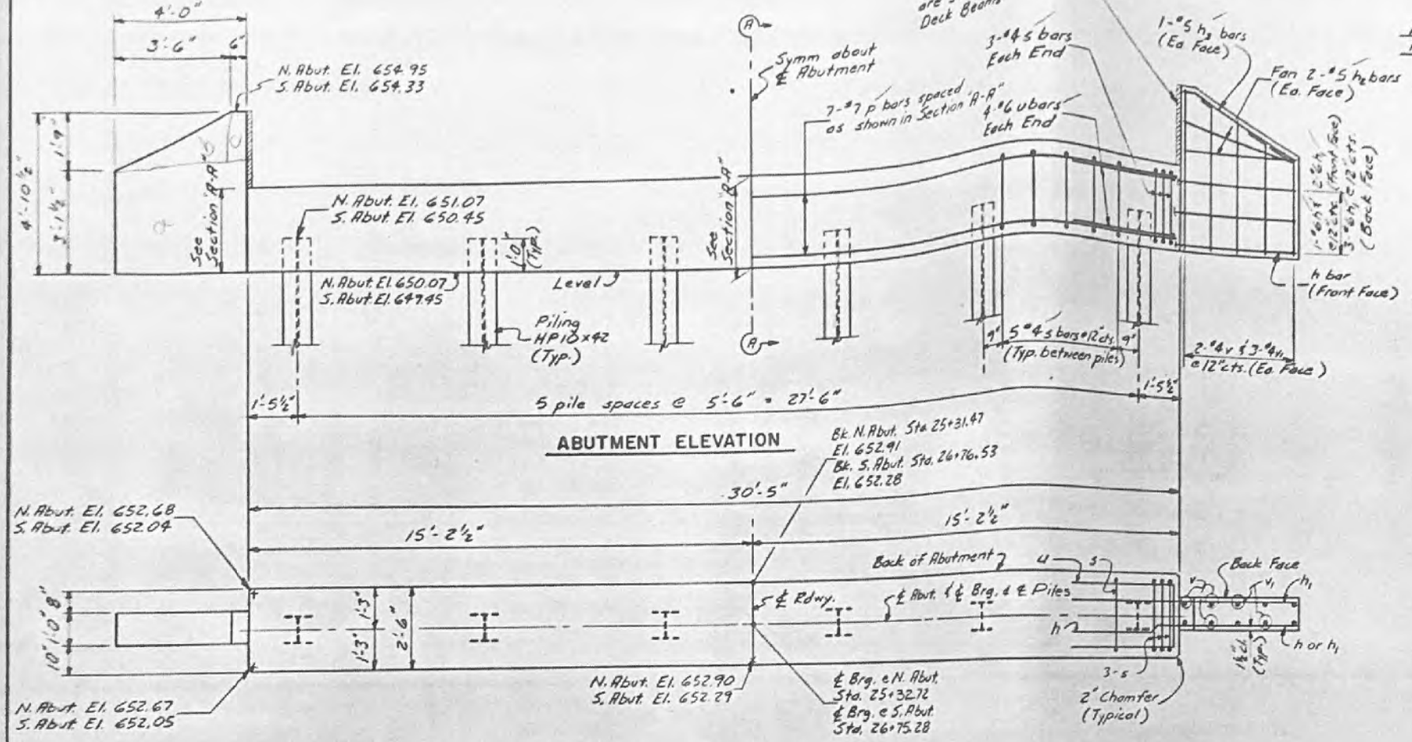
FILE NAME = 190013-sht-bridge - SN 102-3130.dgn	USER NAME = smierzwa	DESIGNED - J.R.B	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	EXISTING PLANS STRUCTURE NO. 102-3130	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -			
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -			
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -		SHEET NO. 14 OF 17 SHEETS	

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	24
		CONTRACT NO. 89779		
		ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)	

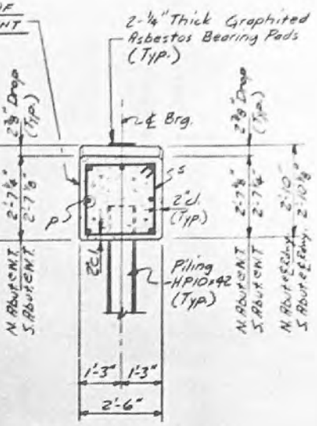
		Woodford	29	8

Sec. 77-00059-00-BR

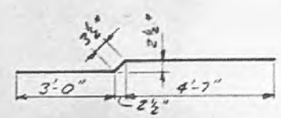
Note: Wings are to be poured after Deck Beams are in place.



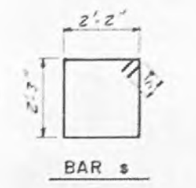
ABUTMENT PLAN



SECTION "A-A"

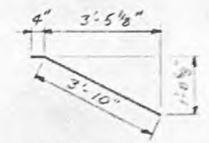


BAR h



BAR s

BAR u



BAR h3

BILL OF MATERIALS FOR 2-ABUTS.

BAR	NO.	SIZE	LENGTH	SHAPE
h	4	#6	7'-11"	
h1	20	#6	7'-10"	
h2	16	#5	3'-9"	
h3	8	#5	4'-2"	
p	14	#7	30'-2"	
s	62	#4	9'-8"	
u	16	#6	10'-1"	
v	16	#4	6'-8"	
v1	24	#4	3'-10"	
Class X Concrete		Cu Yd	177	
Reinforcement Bars		Pound	2000	
Fur Steel Pile HP10x42		Lin Ft	330	
Test Pile Steel HP10x42		Each	1	

PILE DATA

	North Abut	South Abut
Type	HP10 x 42	HP10 x 42
Capacity	30 Tons	30 Tons
Est Length	30'	30'
No. Req'd.	6	5 + 1 Test Pile

ABUTMENTS
BRIDGE OVER PANTHER CREEK
PALESTINE ROAD DISTRICT
SECTION 77-00059-00-BR

FILE NAME = 190013-sht-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -
		CHECKED - S.T.M.	REVISED -
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

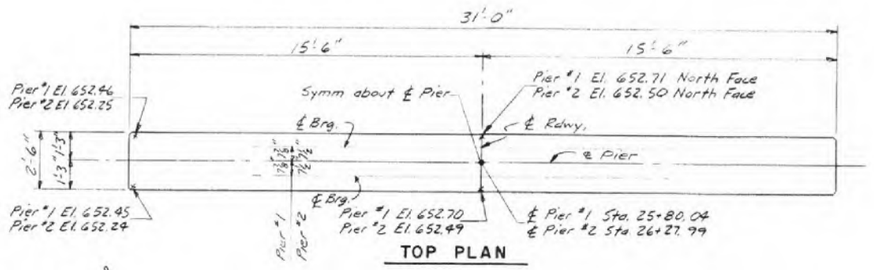
STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

EXISTING PLANS
STRUCTURE NO. 102-3130
SHEET NO. 15 OF 17 SHEETS

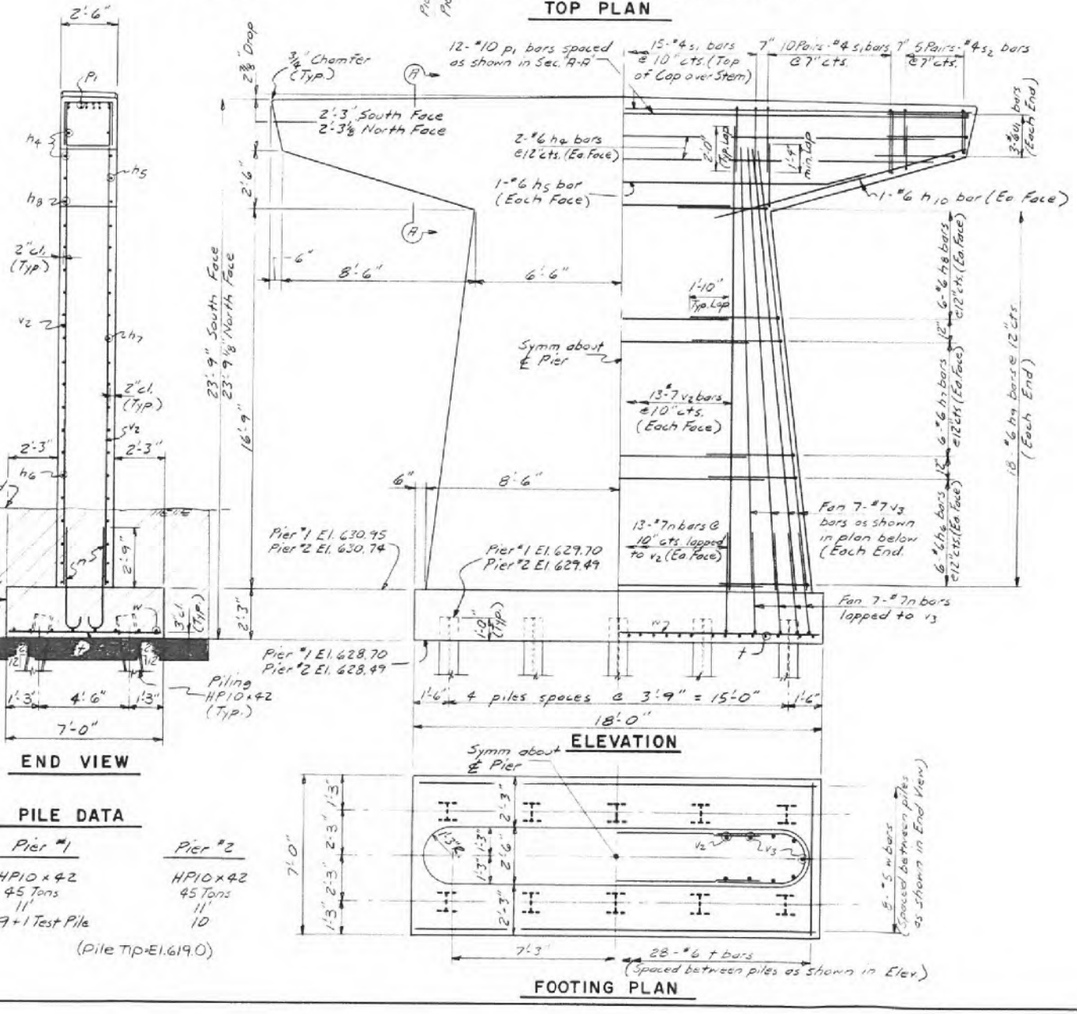
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	25
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		

-		WOODFORD	29	9

Sec. 77-00059-00-BR



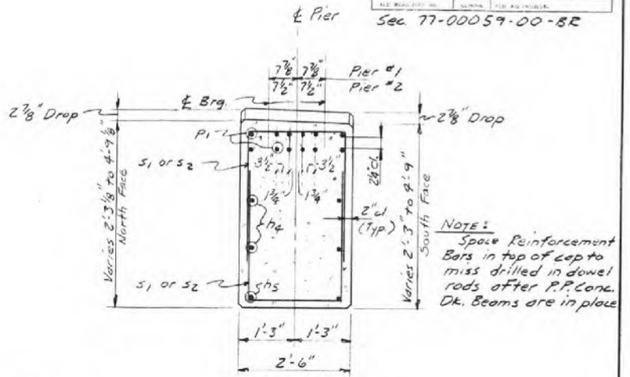
TOP PLAN



PILE DATA

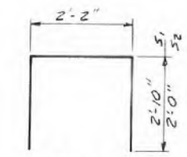
	Pier #1	Pier #2
Type	HP10 x 42	HP10 x 42
Capacity	45 Tons	45 Tons
Est. Length	11'	11'
No. Req'd.	9+1 Test Pile	10

(Pile Tip-El. 619.0)

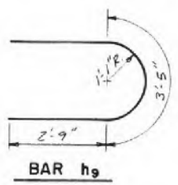


NOTE: Space Reinforcement Bars in top of cap to miss drilled in dowel rods after P.P. Conc. Dk. Beams are in place

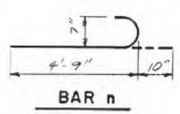
SECTION "A-A"



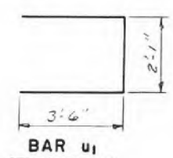
BARS s_1 & s_2



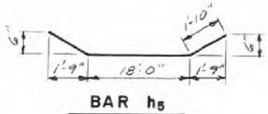
BAR h_9



BAR n



BAR u_1



BAR h_5

BILL OF MATERIAL FOR 2-PIERS

BAR	NO.	SIZE	LENGTH	SHAPE
h4	8	#6	27'-6"	—
h5	4	#6	21'-8"	⌒
h6	24	#6	12'-8"	—
h7	24	#6	11'-2"	—
h8	24	#6	9'-10"	—
h9	72	#6	8'-11"	⊃
h10	8	#6	11'-6"	—
n	80	#7	5'-7"	⊃
P1	24	#10	30'-6"	—
s1	110	#4	7'-10"	⊔
s2	40	#4	6'-2"	⊔
t	56	#6	6'-8"	—
u1	12	#6	9'-1"	⊃
v2	52	#7	20'-6"	—
v3	28	#7	19'-6"	—
w	16	#5	17'-8"	—
Class X Concrete			Cu. Yd.	88.6
Reinforcement Bars			Pound	11900
Steel Piles (HP10x42)			Lin Ft.	209
Test Pile Steel (HP10x42)			Each	1
Seal Coat Concrete			Cu. Yd.	17.9

PIERS
BRIDGE OVER PANTHER CREEK
PALESTINE ROAD DISTRICT
SECTION 77-00059-00-BR
WOODFORD COUNTY
STATION 26+04
102-3130

BR-77-102

FILE NAME = 190013-shi-bridge - SN 102-3130.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -

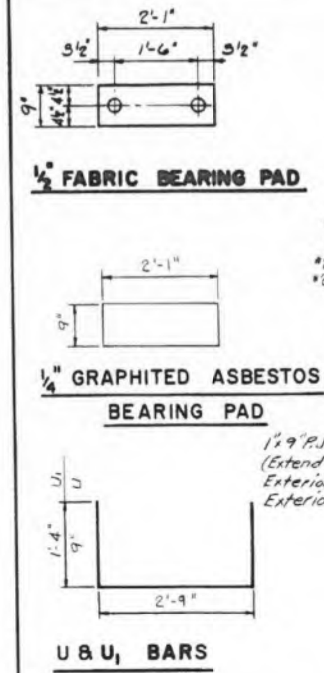
STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

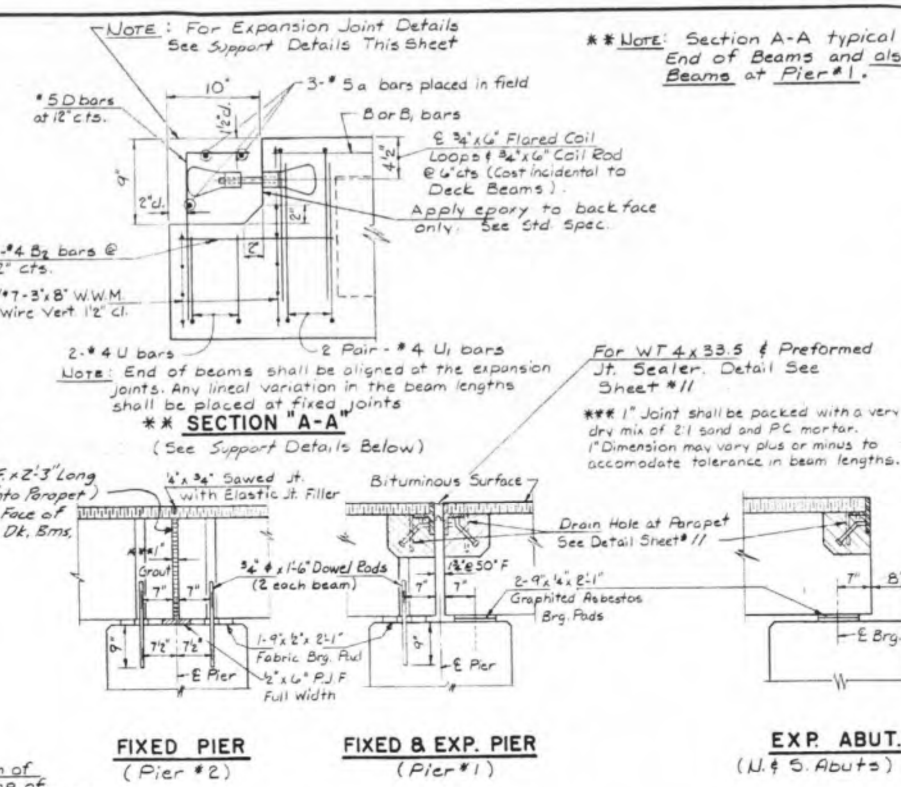
EXISTING PLANS
STRUCTURE NO. 102-3130
SHEET NO. 16 OF 17 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	26
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		

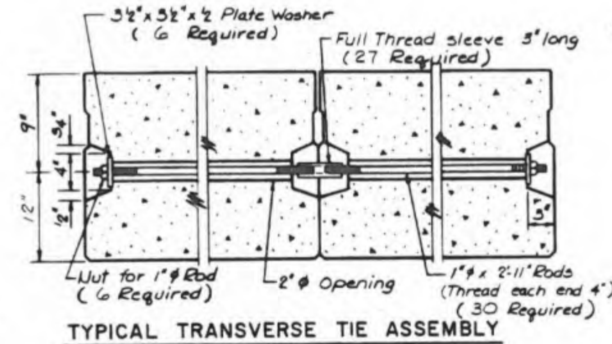
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	–	WOODFORD	29	10
FED. RD. DIST NO.	ILLINOIS	FED. AID PROJECT		

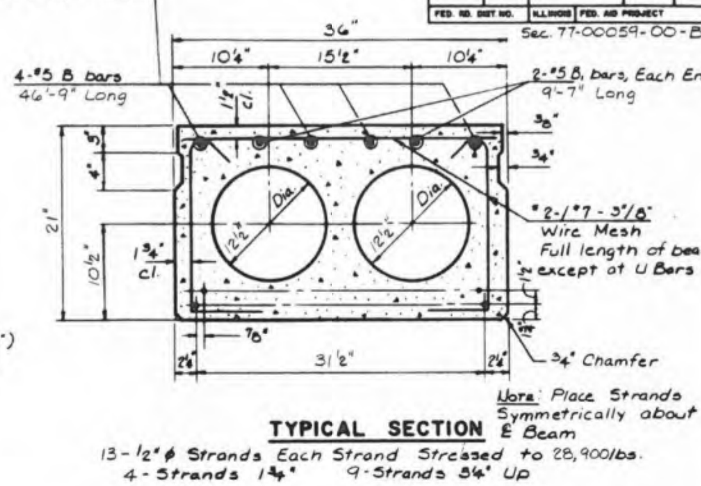
Sec. 77-00059-00-BR



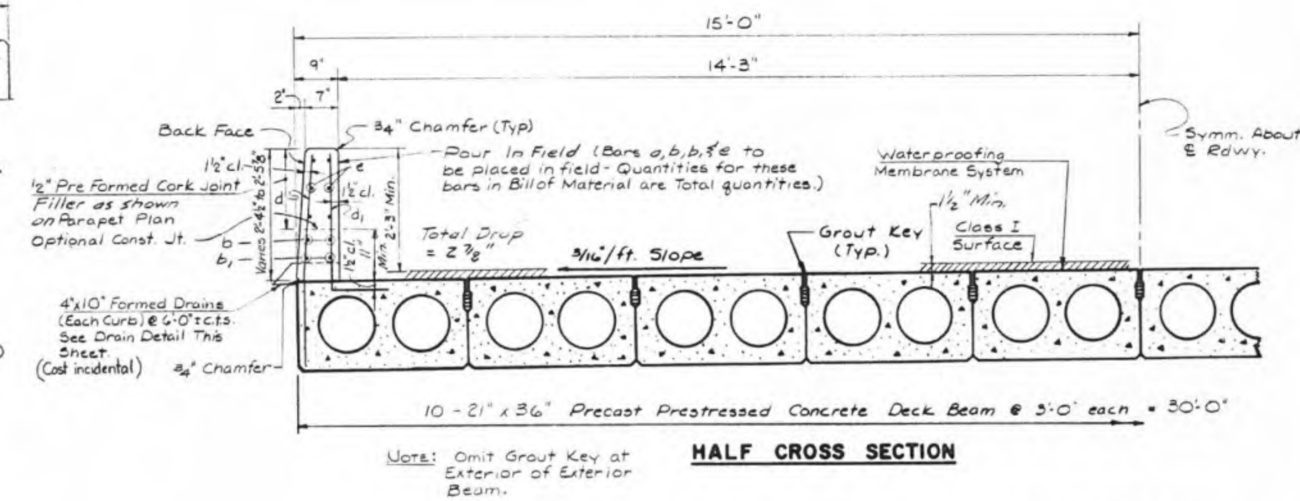


NOTE: For Expansion Joint Details See Support Details This Sheet
** NOTE: Section A-A typical at all Expansion End of Beams and also at Fix End of Beams at Pier #1.
#5 D bars at 12" cts.
10"
3-#5 a bars placed in field
B or B₁ bars
℄ ¾"x6" Flared Coil Loops & ¾"x6" Coil Rod @ 6" cts (Cost incidental to Deck Beams).
Apply epoxy to back face only. See Std. Spec.
4-#4 B₂ bars @ 12" cts.
#2/#7-3"x8" W.W.M. #2 Wire Vert. 1½" cl.
2-#4 U bars
2 Pair-#4 U₁ bars
NOTE: End of beams shall be aligned at the expansion joints. Any lineal variation in the beam lengths shall be placed at fixed joints
** SECTION "A-A"
(See Support Details Below)
For WT 4x33.5 & Preformed Jt. Sealer. Detail See Sheet #11
*** 1" Joint shall be packed with a very dry mix of 2:1 sand and P.C. mortar. 1" Dimension may vary plus or minus to accomodate tolerance in beam lengths.
1"x9" P.J.F. x 2'-3" Long (Extend into Parapet) Exterior Face of Exterior Dk. Bms.
¼"x¾" Sawed Jt. with Elastic Jt. Filler
Bituminous Surface
Drain Hole at Parapet See Detail Sheet #11
¾" ϕ x 1'-6" Dowel Rods (2 each beam)
1½" @ 50° F
2-9"x¼"x 2'-1" Graphited Asbestos Brg. Pads
1-9"x½"x 2'-1" Fabric Brg. Pad
½"x6" P.J.F. Full Width
℄ Pier
℄ Brg.
FIXED PIER (Pier #2)
FIXED & EXP. PIER (Pier #1)
EXP. ABUT. (N. & S. Abuts)

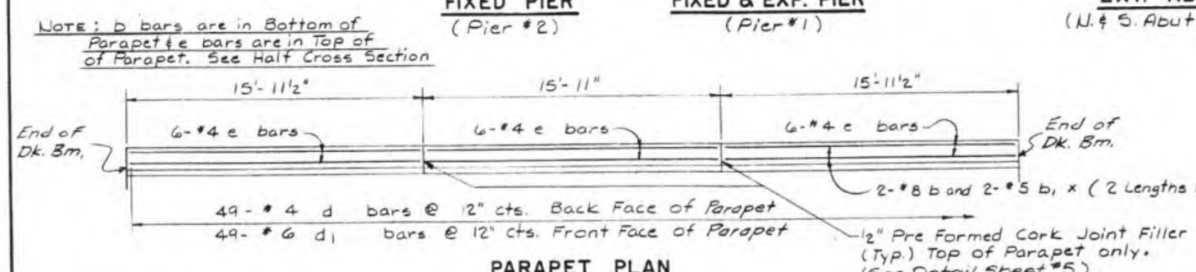




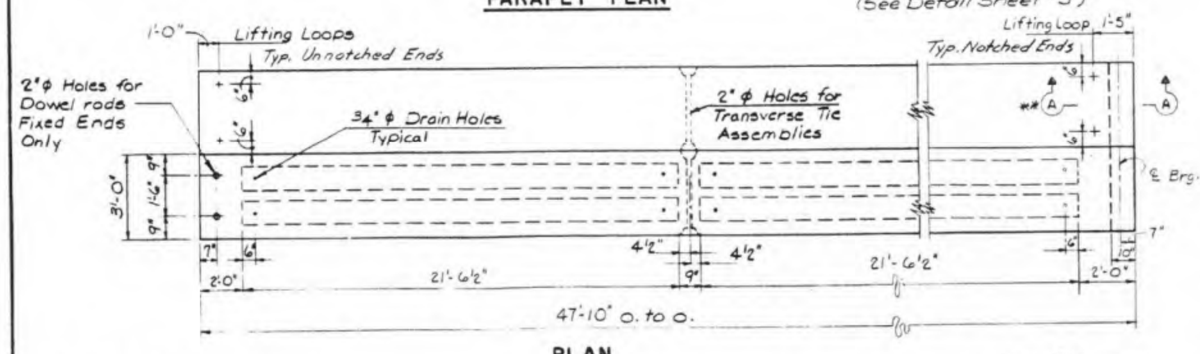
NOTE: North span beams only-cut off 10" each B bar
36"
10¼"
15½"
10¼"
4-#5 B bars 46'-9" Long
2-#5 B₁ bars, Each End 9'-7" Long
#2-1/#7-3"/8" Wire Mesh Full length of beam except at U Bars
¾" Chamfer
31½"
21"
10½"
Dia.
12½"
Note: Place Strands Symmetrically about ℄ Beam
TYPICAL SECTION
13-½" ϕ Strands Each Strand Stressed to 28,900 lbs.
4-Strands 1¾" 9-Strands 3¼" Up

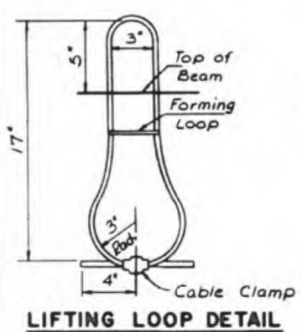


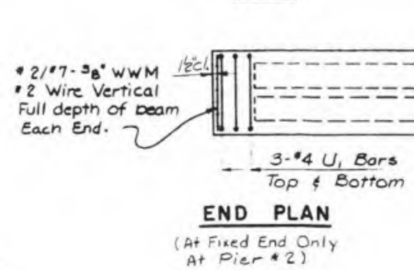
15'-0"
14'-3"
Back Face
¾" Chamfer (Typ)
Pour In Field (Bars a, b, b₁ & e to be placed in field - Quantities for these bars in Bill of Material are Total quantities.)
½" Pre Formed Cork Joint Filler as shown on Parapet Plan
Optional Const. Jt.
Total Drop = 2⅞"
3/16"/ft. Slope
Grout Key (Typ.)
Waterproofing Membrane System
1½" Min.
Class I Surface
Symm. About ℄ Rdwy.
4"x10" Formed Drains (Each Curb) @ 6'-0" c.t.s. See Drain Detail This Sheet. (Cost incidental)
¾" Chamfer
10 - 21" x 36" Precast Prestressed Concrete Deck Beam @ 3'-0" each = 30'-0"
NOTE: Omit Grout Key at Exterior of Exterior Beam.
HALF CROSS SECTION

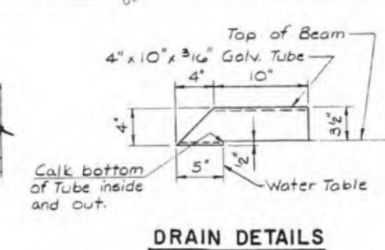


NOTE: b bars are in Bottom of Parapet & e bars are in Top of of Parapet. See Half Cross Section
15'-11½"
15'-11"
15'-11½"
End of Dk. Bm.
6-#4 e bars
2-#8 b and 2-#5 b₁ x (2 Lengths Ea.)
49-#4 d bars @ 12" cts. Back Face of Parapet
49-#6 d₁ bars @ 12" cts. Front Face of Parapet
½" Pre Formed Cork Joint Filler (Typ.) Top of Parapet only. (See Detail Sheet #5)
PARAPET PLAN









GENERAL NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall ½" and the nominal cross-sectional area shall be 0.153 square inch.

Lifting loops shall be ⅝" diameter, 6x25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 33,000 lbs.

The 1" ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.

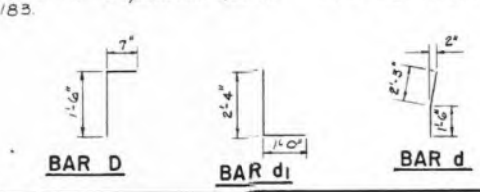
Longitudinal shear keys shall be packed with a very dry mix of 2:1 sand and P.C. mortar.

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

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

After fabrication the transverse tie assemblies (Tie rods, Nuts, Washers and Sleeves) Shall be Hot Dipped Galvanized in accordance with AASHTO M 232 Re: Deck Beams.

Steel for Expansion Guards shall be structural steel AASHTO designation M 183.



**** NOTE: Quantity includes only a, b, b₁ & e bars.

BILL OF MATERIAL

	BAR	NO.	SIZE	LENGTH	SHAPE
*	B	4	#5	46'-9"	——
*	B₁	4	#5	9'-7"	——
*	B₂	4	#4	1'-9"	——
*	D	4	#5	2'-1"	└──
*	U	2	#4	4'-3"	└──┘
*	U₁	10	#4	5'-5"	└──┘
	a	12	#5	29'-9"	——
	b	24	#8	25'-0"	——
	b₁	24	#5	24'-6"	——
*	d	49	#4	3'-9"	——
*	d₁	49	#6	3'-4"	└──
	e	108	#4	15'-9"	——
	Class X Concrete		Cu. Yd.	20.0	
****	Reinforcement Bars		Pound	3,720	
	P.P. Conc. Dk. Bm.		Sq. Ft.	4,305	

* Reinforcing List Is For One Unit Only - In Precast.

Note: d & d₁ Shall be Placed In The Precast Plant In Exterior Beams Only.

SUPERSTRUCTURE
BRIDGE OVER PANTHER CREEK
PALESTINE ROAD DISTRICT
SECTION 77-00059-00-BR
WOODFORD COUNTY
STATION 26+04
102-3130

BR-77-102 II

FILE NAME = 190013-sht-bridge - SN 102-3130.dgn	USER NAME = smierzwa	DESIGNED - J.R.B	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

EXISTING PLANS
STRUCTURE NO. 102-3130
SHEET NO. 17 OF 17 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	27
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		

BENCHMARK: Chiseled "□" On S.W. WW of Bridge, 18' Rt., Sta. 30+18 Elev. 652.03

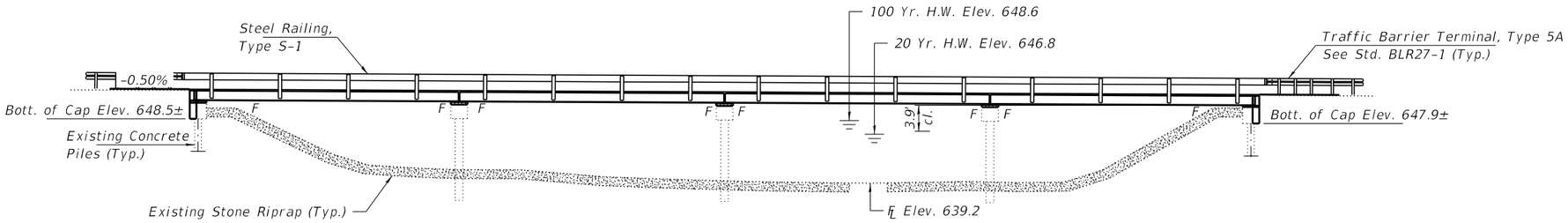
EXISTING STRUCTURE NO. 102-3131: Four span PPC deck beam superstructure supported on concrete pile bent abutments with concrete caps and wingwalls and exposed pile bent piers with concrete caps. 160.3' bk.-bk. abuts., 30.0' o.-o. deck, and no skew.

Structure closed to traffic during construction.

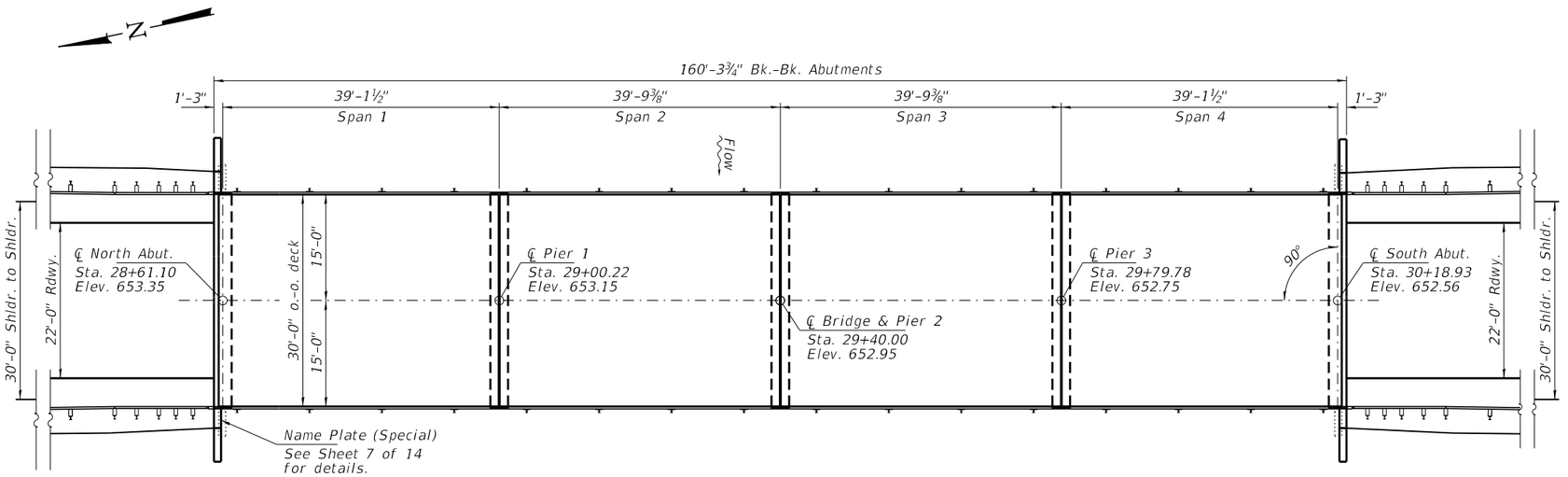
Salvage: Existing abutments and piers to be re-used in place.
Salvage and reinstall existing Name Plate.

See sheet 2 of 14 for General Notes and Bill of Material.

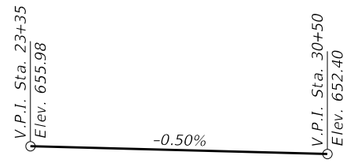
INDEX OF STRUCTURE SHEETS



ELEVATION



PLAN



PROFILE GRADE

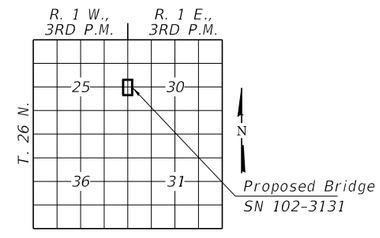
C.H. 7

PANTHER CREEK
REBUILT 202_ BY
WOODFORD COUNTY
SEC. 18-00166-00-BR
F.A.S. 363 / C.H. 7
STR. NO. 102-3131
LOADING HL-93

NAME PLATE

See Std. 515001

Existing Name Plate shall be cleaned and relocated next to the Proposed Name Plate. Cost included with Name Plates (Special).



LOCATION SKETCH

DESIGN STRESSES

FIELD UNITS (NEW CONST.)

f'c = 3,500 psi
fy = 60,000 psi (Reinf.)

PRECAST PRESTRESSED UNITS

f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (½"Ø low lax. strands)
fpbt = 201,960 psi (½"Ø low lax. strands)
fy = 60,000 psi (Reinf.)

EXISTING CONSTRUCTION

fc = 1,400 psi (Substructure)
fs = 20,000 psi (Reinf.)

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition with all interims.

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

LOADING HS 20-44

Existing Conditions – Substructure

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 2/27/2023
ILLINOIS STRUCTURAL ENGR. NO. 081-6064

LICENSED STRUCTURAL ENGINEER
STEVEN W. MEGGINSON
081-6064
SPRINGFIELD, IL
STATE OF ILLINOIS

Expires 11-30-2024

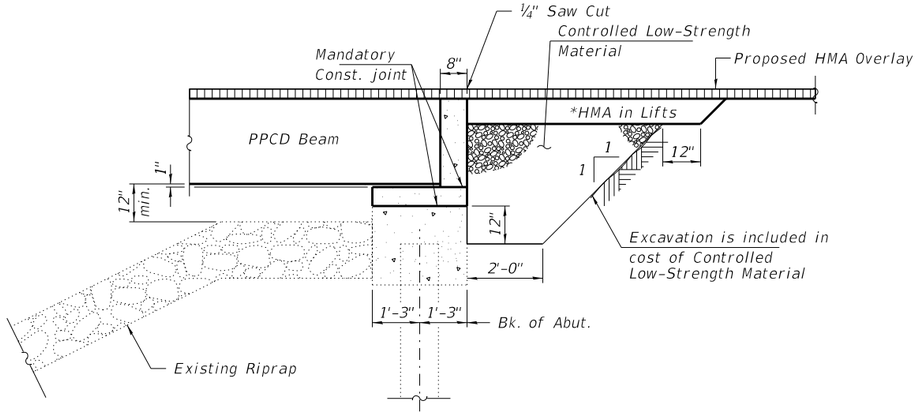
GENERAL PLAN & ELEVATION
OVERFLOW STRUCTURE
AT PANTHER CREEK
SECTION 18-00166-00-BR
F.A.S. 363 / C.H. 7
WOODFORD COUNTY
STATION 29+40.00
STRUCTURE NO. 102-3131

FILE NAME = 190013-shl-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3045 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP: 184.000959		CHECKED - S.T.M.	REVISED -	
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -	
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -	

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

GENERAL PLAN & ELEVATION
STRUCTURE NO. 102-3131
SHEET NO. 1 OF 14 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	28
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		



SECTION THRU ABUTMENT

*To be included with roadway plans (See Special Provisions)

GENERAL NOTES

Reinforcement bars designated (E) shall be Epoxy Coated.

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.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The PPC Deck Beams shall be applied with a Protective Coat as specified in the Special Provisions. This work shall be included in the cost with PPC Deck Beams.

DESIGN SCOUR ELEVATION TABLE

Event/Limit State	Design Scour Elevations (ft.)					Item
	N. Abut.	Pier 1	Pier 2	Pier 3	S. Abut.	113
Q100	649.0	625.9	624.4	626.8	648.0	7
Design	649.0	640.7	639.2	638.7	648.0	

WATERWAY INFORMATION

Drainage Area = 178.5 Sq. Mi.

Existing Low Grade Elev. 651.0 @ Sta. 33+00
Proposed Low Grade Elev. 651.0 @ Sta. 33+00

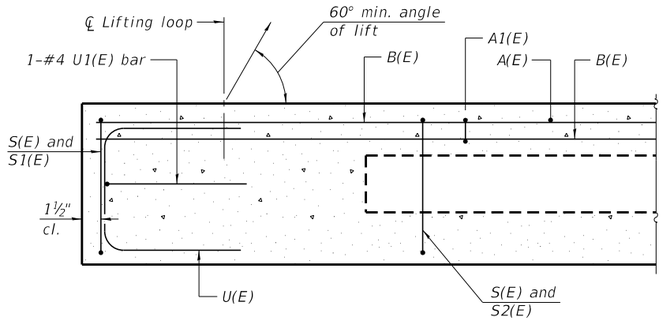
Flood Event		Discharge (cfs)		Opening Sq. Ft.		Natural H.W.E.	Head - Ft.		Headwater El.	
		Exist.	Prop.	Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
10	Main Channel	8450	8450	870	870	645.9	0.8	0.8	646.7	646.7
	Relief Struct.			640	640					
	Total			1510	1510					
20	Main Channel	10530	10530	950	950	646.8	0.9	0.9	647.7	647.7
	Relief Struct.			740	740					
	Total			1690	1690					
100	Main Channel	15400	15400	1130	1130	648.6	1.1	1.1	649.7	649.7
	Relief Struct.			960	960					
	Total			2090	2090					
200	Main Channel	17600	17600	1200	1200	649.3	1.0	1.0	650.3	650.3
	Relief Struct.			1060	1060					
	Total			2260	2260					
500/ Overtopping	Main Channel	20500	20500	1290	1290	650.2	1.0	1.0	651.2	651.2
	Relief Struct.			1180	1180					
	Total			2470	2470					

10 Year Velocity through Existing Bridge = 5.6 fps

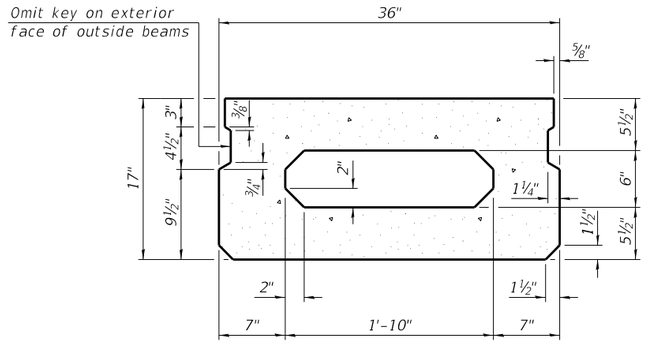
10 Year Velocity through Proposed Bridge = 5.6 fps

TOTAL BILL OF MATERIAL

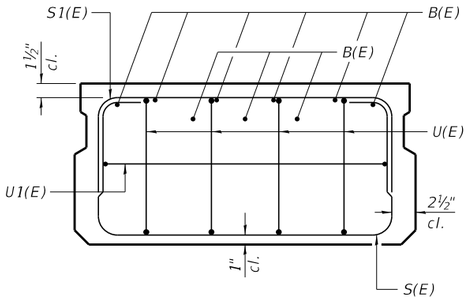
ITEM	UNIT	SUPER	SUB	TOTAL
Hot-Mix Asphalt Surface Cse., IL-9.5, Mix "C", N50	Ton	55		55
Removal of Existing Superstructures	Each			1
Concrete Removal	Cu. Yd.		4.7	4.7
Concrete Structures	Cu. Yd.		10.8	10.8
Precast Prestressed Conc. Deck Beams (17" Depth)	Sq. Ft.	4,760		4,760
Reinforcement Bars, Epoxy Coated	Pound		1,400	1,400
Steel Railing, Type S1	Foot	324		324
Waterproofing Membrane System	Sq. Yd.	535		535
Portland Cement Mortar Fairing Course	Foot	360		360
Controlled Low-Strength Material	Cu. Yd.		20	20
Name Plates (Special)	Each		1	1
Asbestos Bearing Pad Removal	Each		88	88
Structural Repair of Concrete (Depth ≤ 5")	Sq. Ft.		5	5



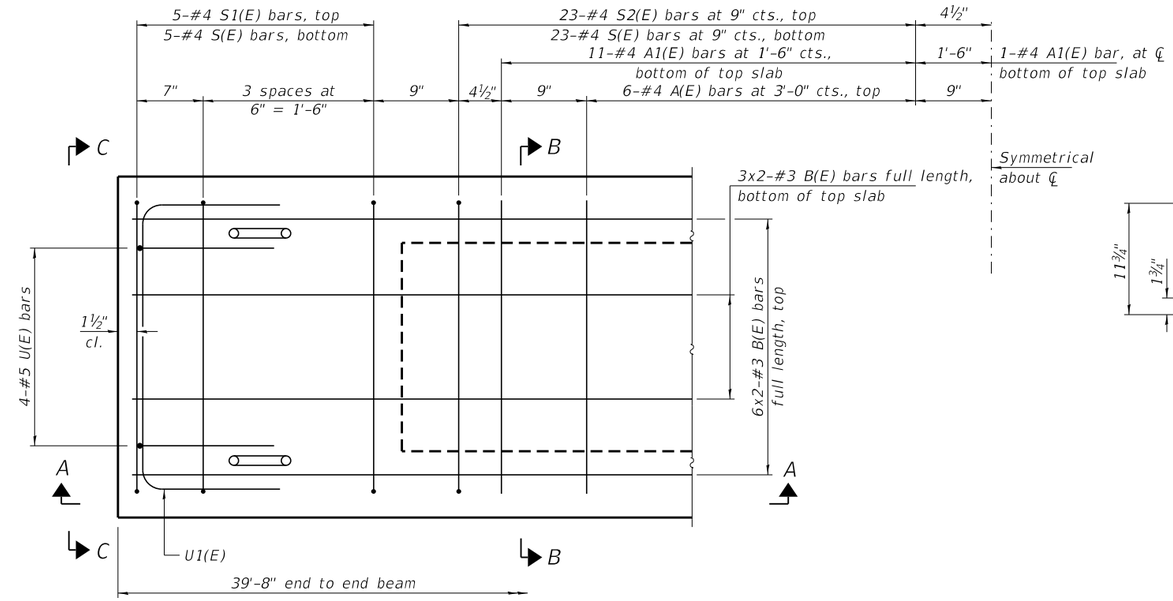
SECTION A-A



SECTION B-B
(Showing dimensions)

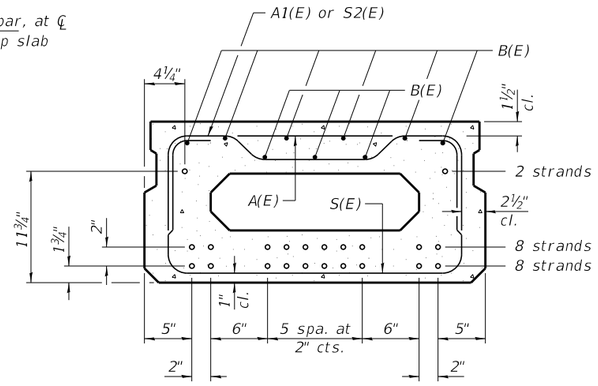


VIEW C-C



PLAN VIEW

Note:
Spacing of S(E) and S2(E) bars may be adjusted up to 4" in the immediate area of the transverse tie diaphragms to miss the block outs for the transverse ties.
Bars indicated thus 6x2-#3 etc. indicates 6 lines of bars with 2 length 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.

MINIMUM BAR LAP
#3 bar = 1'-6"

BAR LIST
ONE BEAM ONLY
(For information only)

Bar	No.	Size	Length	Shape
A(E)	12	#4	2'-7"	—
A1(E)	23	#4	2'-10"	~
B(E)	18	#3	20'-6"	—
				—
S(E)	56	#4	5'-9"	⊔
S1(E)	10	#4	4'-3"	⊓
S2(E)	46	#4	4'-6"	⊓
U(E)	8	#5	3'-8"	⊏
U1(E)	2	#4	5'-0"	⊓

Note:
See sheets 4 & 5 of 14 for additional details and Bill of Material.

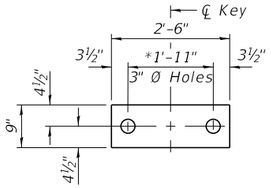
PD-1736-0 1-1-2020

FILE NAME = 190013-sht-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -

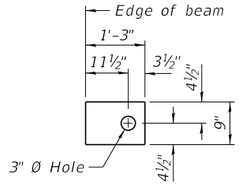
STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

17" x 36" PPC DECK BEAM - SPANS 1, 2, 3 & 4
STRUCTURE NO. 102-3131
SHEET NO. 3 OF 14 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	30
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		



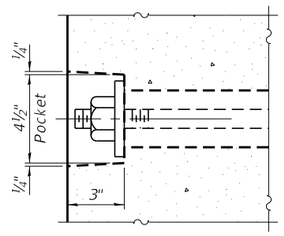
FABRIC BEARING PAD
(Interior – 72 req'd)



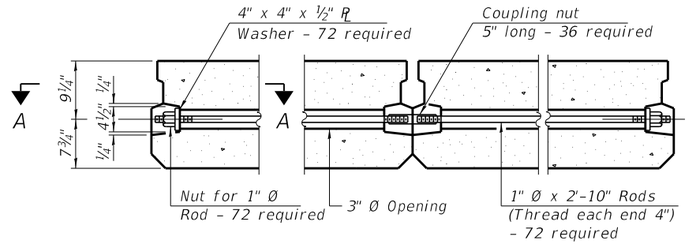
FABRIC BEARING PAD
(Exterior – 16 req'd)

FIXED

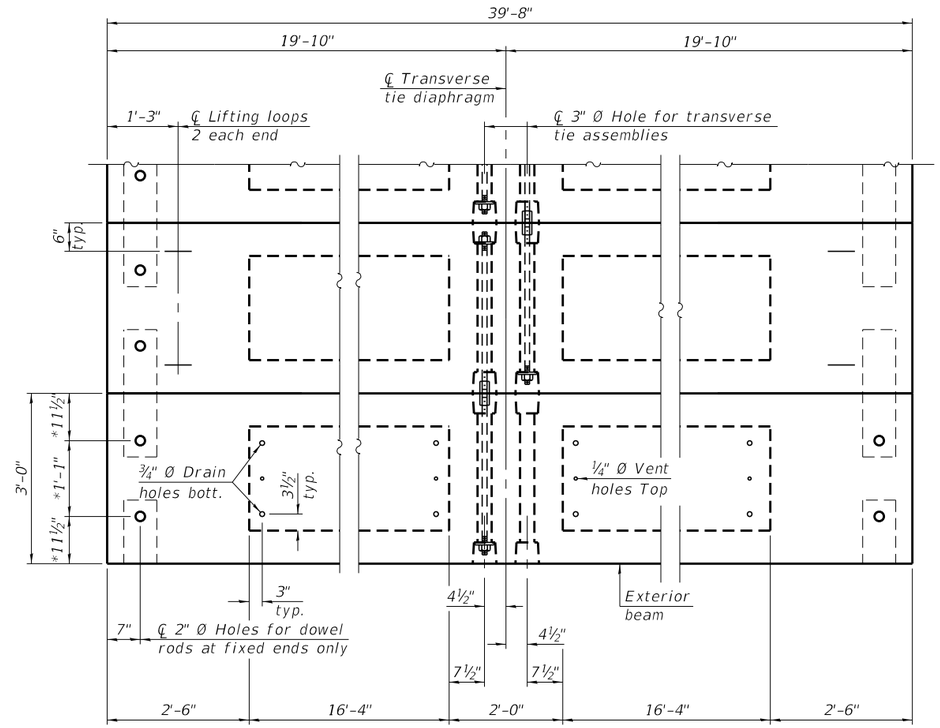
Notes:
All bearing pads shall be 1" thick.



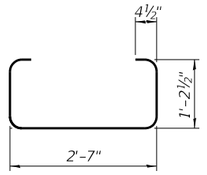
SECTION A-A



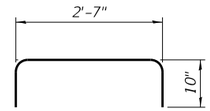
TYPICAL TRANSVERSE TIE ASSEMBLY



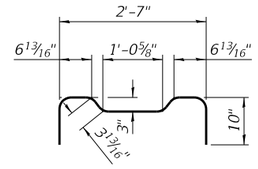
PLAN VIEW



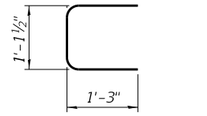
BAR S(E)



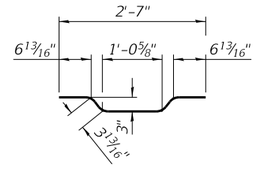
BAR S1(E)



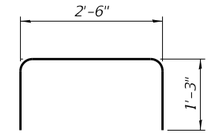
BAR S2(E)



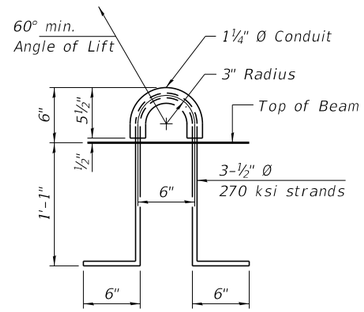
BAR U(E)



BAR A1(E)



BAR U1(E)



LIFTING LOOP DETAIL

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

*Dowel rod hole locations modified to miss existing dowels.

NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be ½" and the nominal cross-sectional area shall be 0.153 sq. in.

The 1" Ø 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 ⅛" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

A minimum 2½" Ø lifting pin shall be used to engage the lifting loops during handling.

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

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

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

BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	4,760

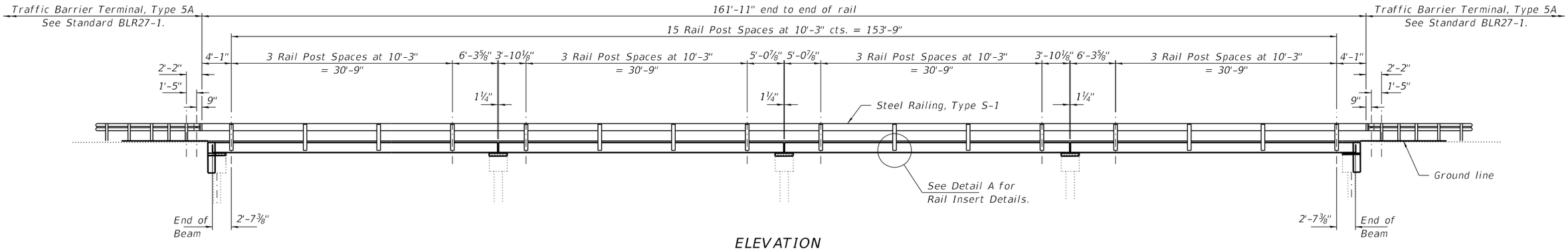
PDD-1736-0 1-1-2020

FILE NAME = 190013-sht-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -	
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -	

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

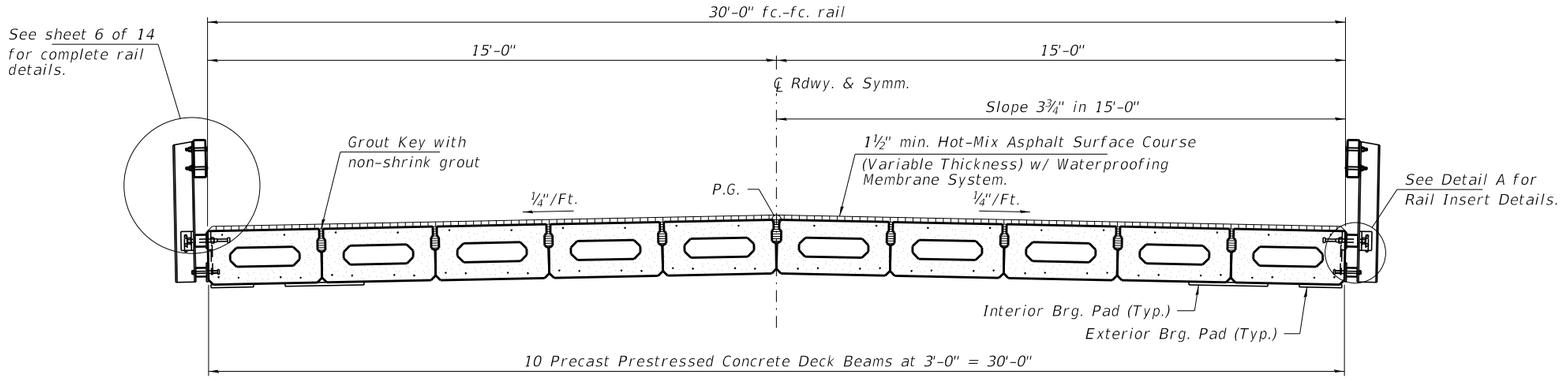
17" x 36" PPC DECK BEAM DETAILS - SPANS 1, 2, 3 & 4
STRUCTURE NO. 102-3131
SHEET NO. 4 OF 14 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	31
		CONTRACT NO. 89779		
		ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)	



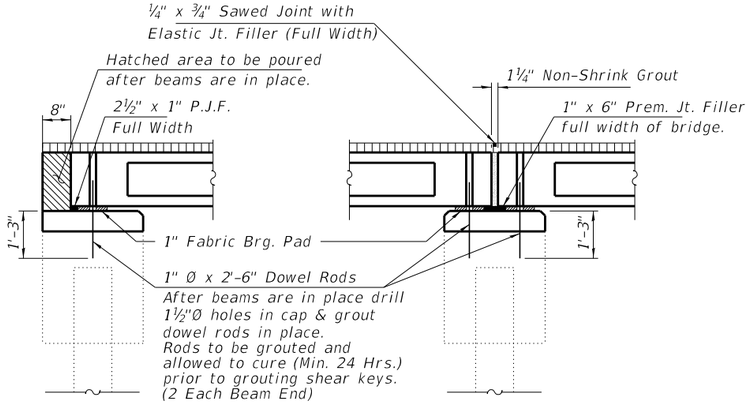
ELEVATION

Showing Rail Post Spaces
See sheet 6 of 14 for Railing Details.

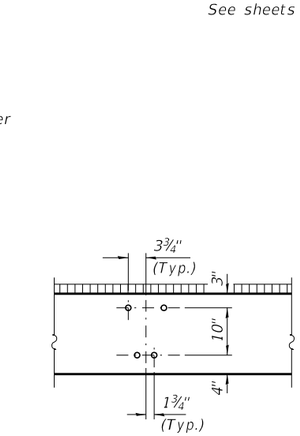


CROSS SECTION

See sheets 3 & 4 of 14 for Superstructure Details.

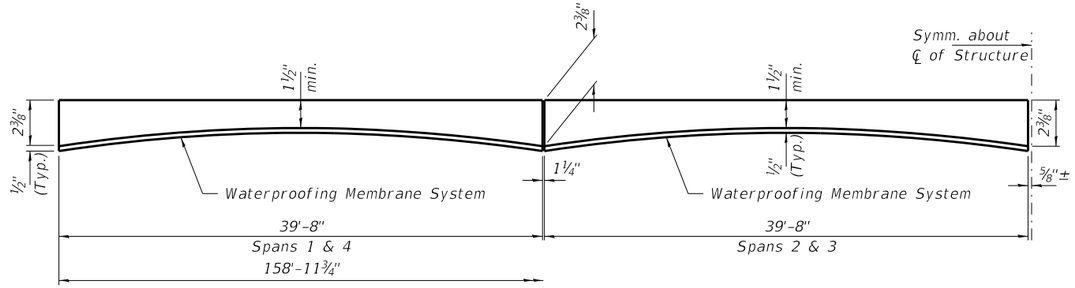


SECTION AT ABUTMENTS



SECTION AT PIERS

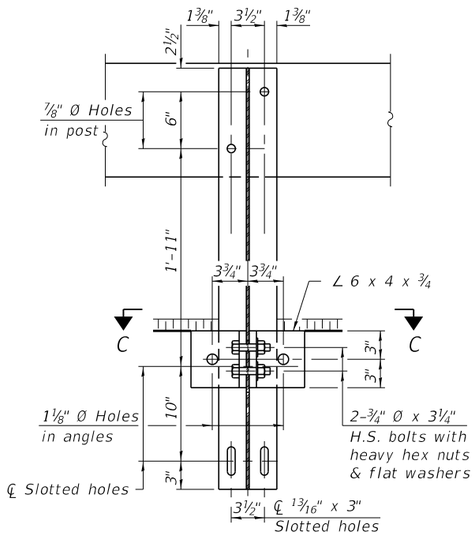
DETAIL A



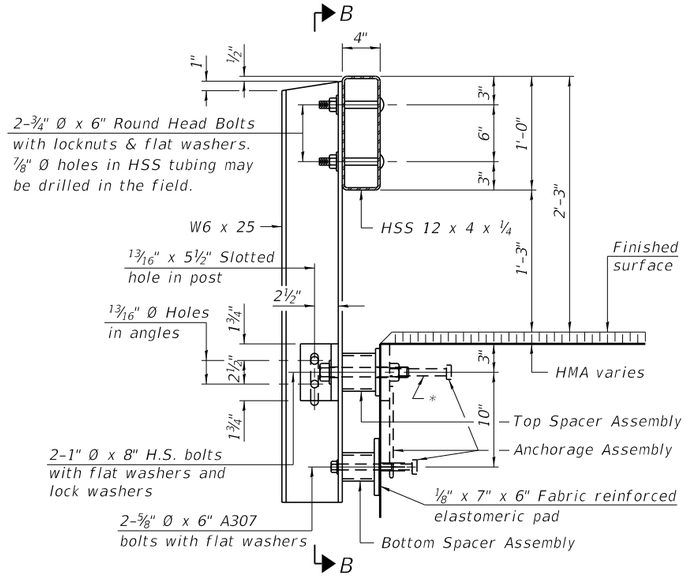
ANTICIPATED HMA WEARING SURFACE PROFILE

(For information only - beam camber may vary in field.)

FILE NAME = 190013-sht-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE DETAILS STRUCTURE NO. 102-3131	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. 184.000959		CHECKED - S.T.M.	REVISED -			363	18-00166-00-BR	WOODFORD	65	32
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -					CONTRACT NO. 89779		
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -		SHEET NO. 5 OF 14 SHEETS			ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)	

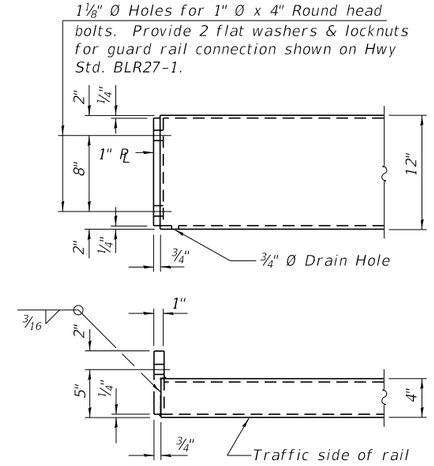


SECTION B-B



SECTION AT RAILING POST

* *The outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchorage assembly. The anchorage studs may be bent down ½" to accommodate the top reinforcement bar placement.*



END OF RAIL DETAILS

Notes:

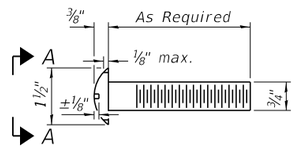
A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11½", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than ¼" (top) or ½" (bottom), longer bolts are required. Cost included with Steel Railing, Type S-1.

All steel rail elements including shims shall be galvanized according to Article 509.05 of the Standard Specifications.

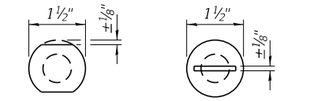
All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

Rail splice inserts may be built out of 2 -⅜" bent plates in lieu of the 4 plate rail splice inserts shown, provided the outside dimensions are matched.

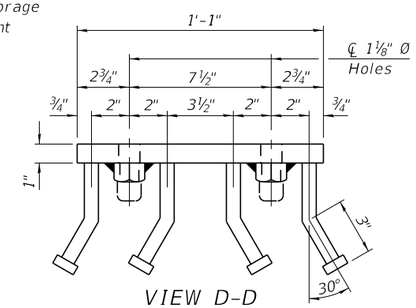
All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 grade A.



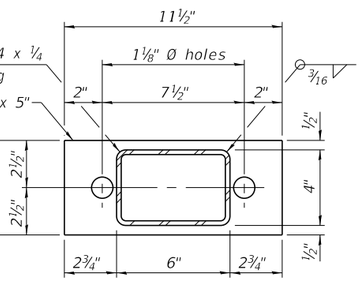
ROUND HEAD BOLT DETAIL



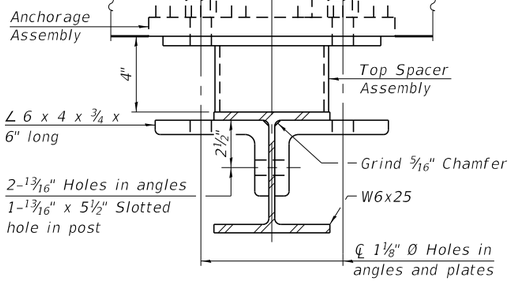
VIEW A-A



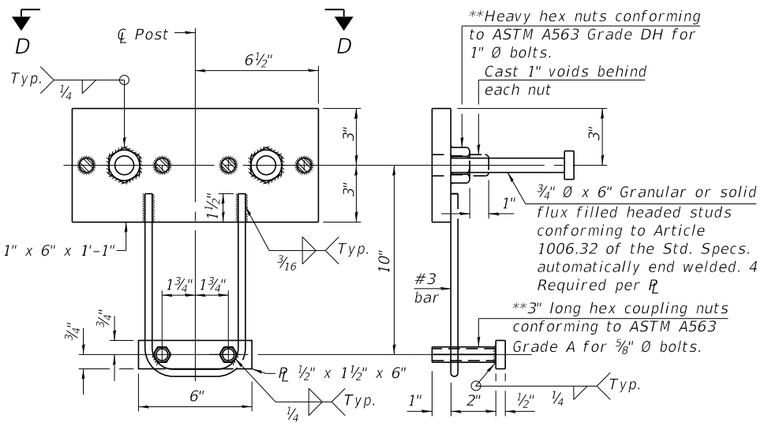
VIEW D-D



TOP SPACER ASSEMBLY

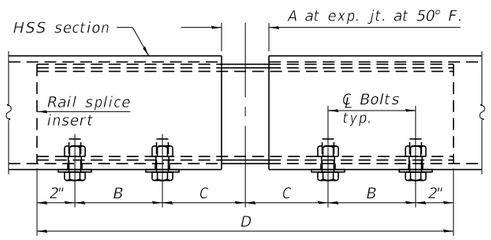


SECTION C-C

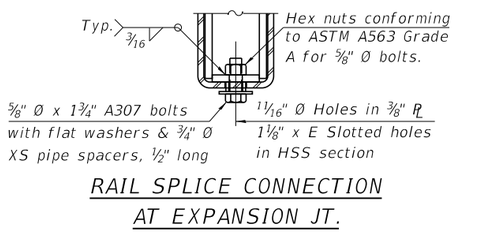


ANCHORAGE ASSEMBLY

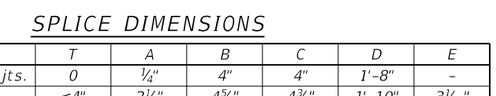
** *Threaded areas shall be plugged or blocked off during casting of concrete.*



RAIL SPLICE ELEVATION



SECTION AT RAIL SPLICE



RAIL SPLICE CONNECTION AT EXPANSION JT.

SPLICE DIMENSIONS

Location	T	A	B	C	D	E
All locs. not over exp. jts.	0	¼"	4"	4"	1'-8"	-
Over Strip Seal Jt.	≤4"	2½"	4⅝"	4⅜"	1'-10"	3 1/16"
Over Finger or Modular Jt.	≤9½"	5½"	7⅜"	7¼"	2'-9¼"	5 13/16"
Over Finger or Modular Jt.	≤15"	8¼"	10⅛"	10"	3'-8¼"	8 9/16"

T = ; total movement along centerline of roadway at expansion joint.

RAILING CRITERIA

NCHRP 350 Test Level	2
Railing Weight (plf)	50
Max Post Spacing	10'-9"
HMA thickness range (in)	1¼ - 3⅛

BILL OF MATERIAL

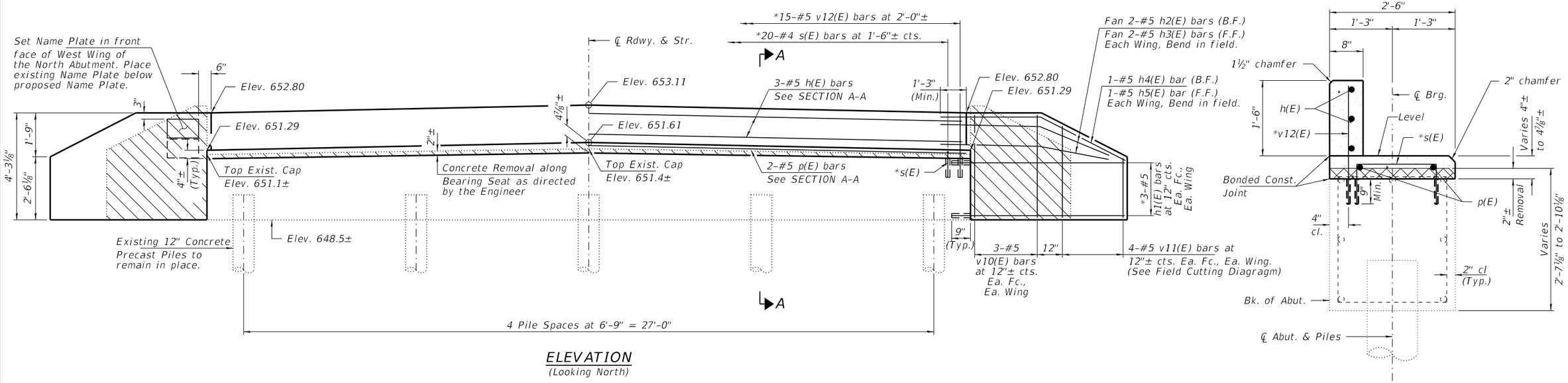
Item	Unit	Quantity
Steel Railing, Type S-1	Foot	324

R-23A 10-12-2021

FILE NAME = 190013-shl-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -	
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -	

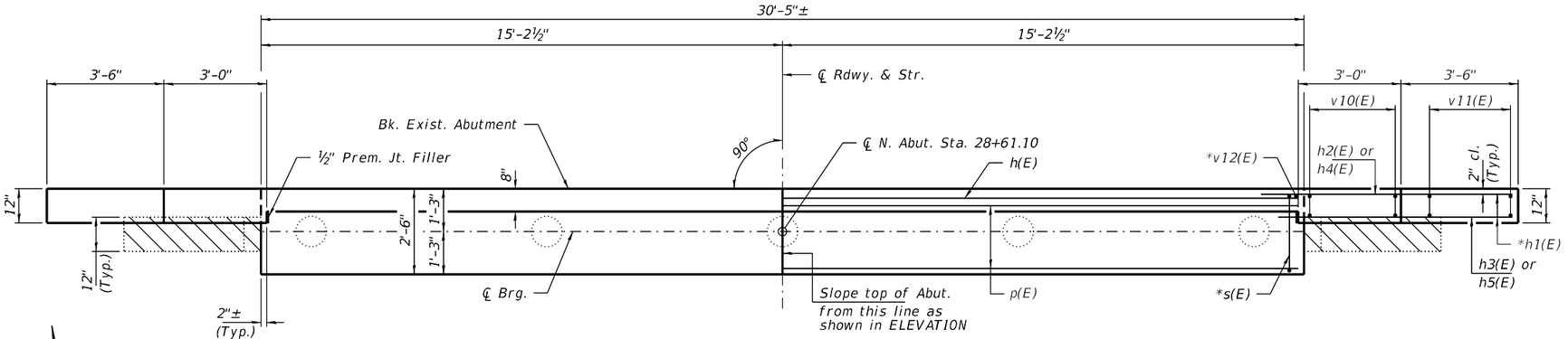
STEEL RAILING, TYPE S-1
STRUCTURE NO. 102-3131
SHEET NO. 6 OF 14 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	33
		CONTRACT NO. 89779		
		ILLINOIS FED. AID PROJECT NO. ZH0Y(896)		



ELEVATION
(Looking North)

SECTION A-A
Backwall and wingwalls are to be poured after beams are in place.



PLAN

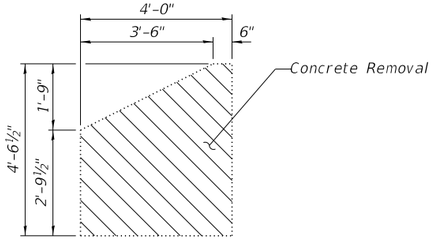
*h1(E), s(E), and v12(E) bars shall be drilled and set according to Art. 509.06 of the Standard Specifications. Bars shall have a 9" minimum embedment depth, be set in 1"Ø holes and filled with an approved epoxy grout.

Hatched area indicates Concrete Removal

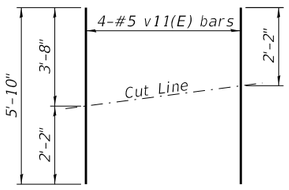
BILL OF MATERIAL - N. ABUT.

BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	3	#5	30'-1"	———
h1(E)	12	#5	7'-0"	———
h2(E)	4	#5	7'-4"	———
h3(E)	4	#5	5'-10"	———
h4(E)	2	#5	8'-0"	———
h5(E)	2	#5	6'-6"	———
p(E)	2	#5	30'-1"	———
s(E)	20	#4	3'-10"	⊓
v10(E)	12	#5	3'-10"	———
v11(E)	8	#5	5'-10"	———
v12(E)	15	#5	2'-5"	———
Concrete Structures			Cu. Yd.	4.0
Concrete Removal			Cu. Yd.	1.6
Reinf. Bars, Epoxy Coated			Pound	520
Name Plates (Special)			Each	1
Asbestos Bearing Pad Removal			Each	11

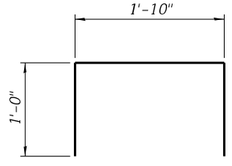
Notes:
The contractor shall repair, at their own expense, any damage to the substructure caused by removal operations.
Cost of drilling and grouting reinforcement bars included in cost for Concrete Structures.
Existing wingwall reinforcement which extends into the abutment cap shall be burned off flush with surface, ground smooth, and sealed with epoxy. Cost included with Concrete Removal.
The existing top of abutment cap is sloped. The Contractor shall level top of cap to the satisifaction of the Engineer during removal.
Backwall and wingwalls shall be poured after the beams are in place.
See Existing Plans for existing reinforcement placement.



EXISTING WINGWALL CONCRETE REMOVAL



FIELD CUTTING DIAGRAM
Order v11(E) bars full length. Cut as shown and use remainder of bars in opposite face.



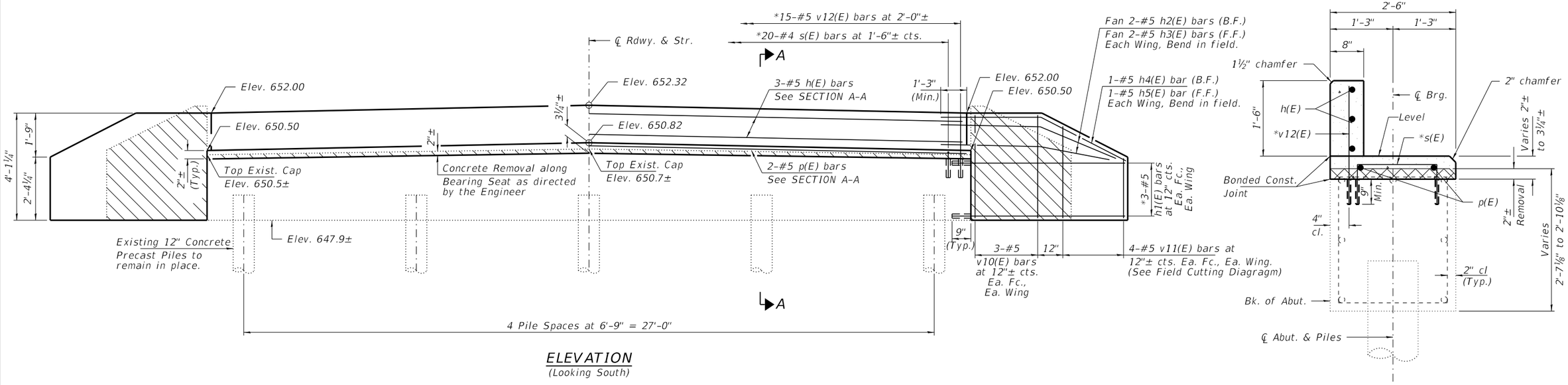
BAR s(E)

FILE NAME = 190013-shi-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -	
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -	
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -	

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

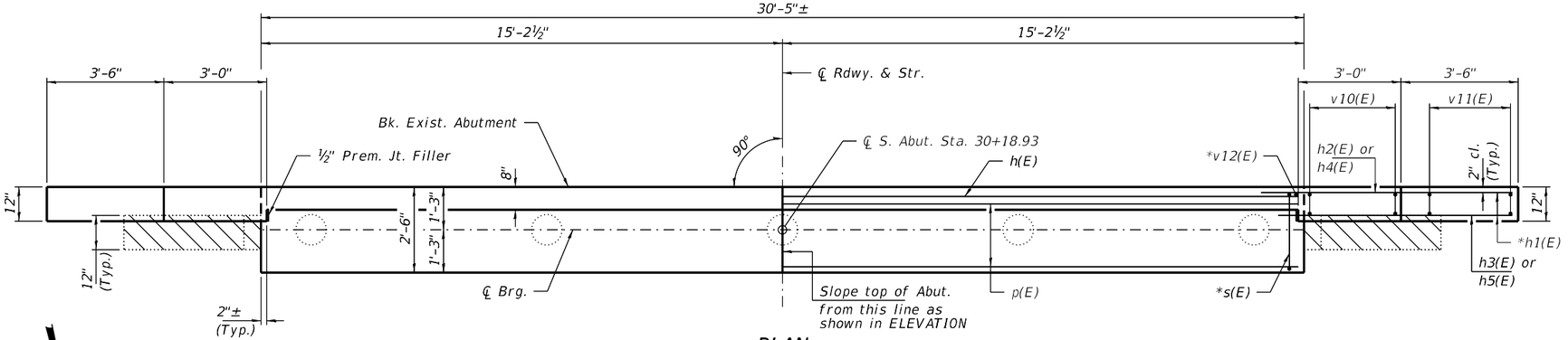
NORTH ABUTMENT
STRUCTURE NO. 102-3131
SHEET NO. 7 OF 14 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	34
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		



ELEVATION
(Looking South)

SECTION A-A
Backwall and wingwalls are to be poured after beams are in place.



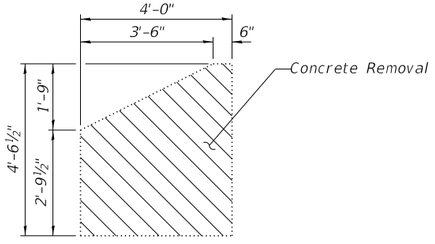
PLAN

*h1(E), s(E), and v12(E) bars shall be drilled and set according to Art. 509.06 of the Standard Specifications. Bars shall have a 9" minimum embedment depth, be set in 1"Ø holes and filled with an approved epoxy grout.

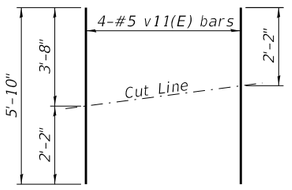
Hatched area indicates Concrete Removal

BILL OF MATERIAL - S. ABUT.

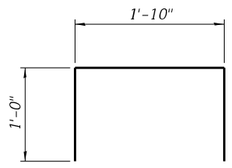
BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	3	#5	30'-1"	———
h1(E)	12	#5	7'-0"	———
h2(E)	4	#5	7'-4"	———
h3(E)	4	#5	5'-10"	———
h4(E)	2	#5	8'-0"	———
h5(E)	2	#5	6'-6"	———
p(E)	2	#5	30'-1"	———
s(E)	20	#4	3'-10"	⊓
v10(E)	12	#5	3'-10"	———
v11(E)	8	#5	5'-10"	———
v12(E)	15	#5	2'-5"	———
Concrete Structures			Cu. Yd.	3.4
Concrete Removal			Cu. Yd.	1.6
Reinf. Bars, Epoxy Coated			Pound	520
Asbestos Bearing Pad Removal			Each	11



EXISTING WINGWALL CONCRETE REMOVAL



FIELD CUTTING DIAGRAM
Order v11(E) bars full length. Cut as shown and use remainder of bars in opposite face.



BAR s(E)

Notes:
The contractor shall repair, at their own expense, any damage to the substructure caused by removal operations.
Cost of drilling and grouting reinforcement bars included in cost for Concrete Structures.
Existing wingwall reinforcement which extends into the abutment cap shall be burned off flush with surface, ground smooth, and sealed with epoxy. Cost included with Concrete Removal.
The existing top of abutment cap is sloped. The Contractor shall level top of cap to the satisifaction of the Engineer during removal.
Backwall and wingwalls shall be poured after the beams are in place.
See Existing Plans for existing reinforcement placement.

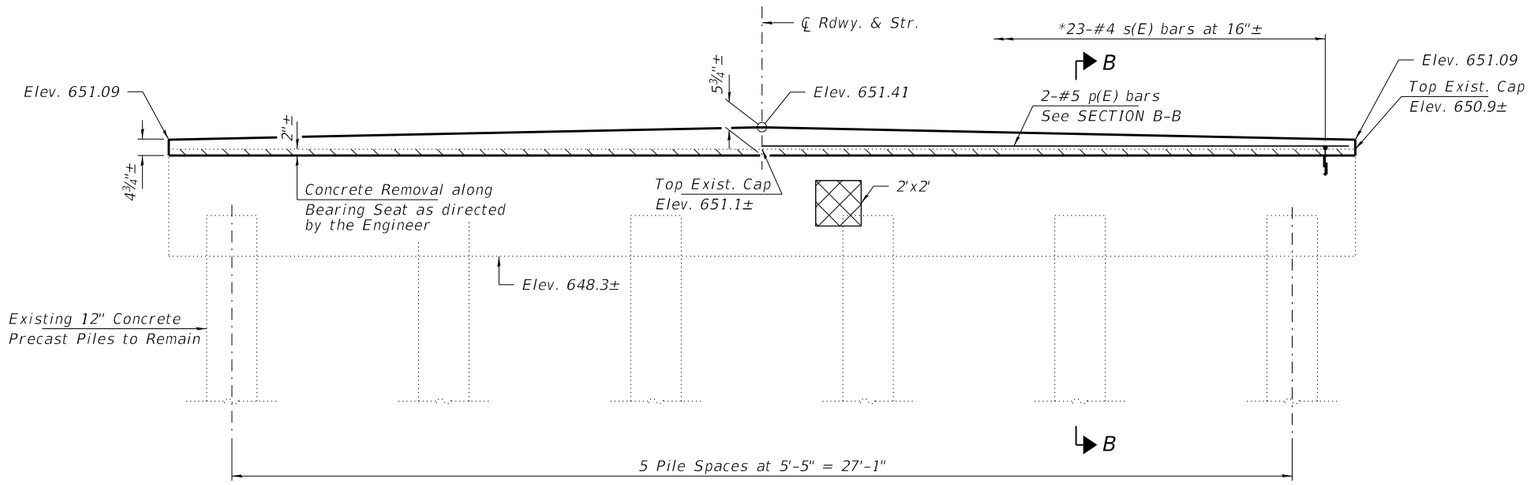
FILE NAME = 190013-sht-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.T.M.	REVISED -
	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

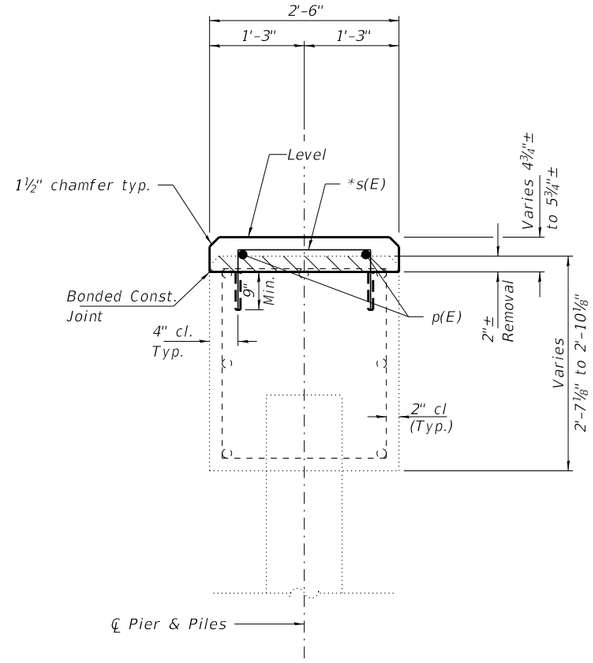
SOUTH ABUTMENT
STRUCTURE NO. 102-3131
SHEET NO. 8 OF 14 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	35

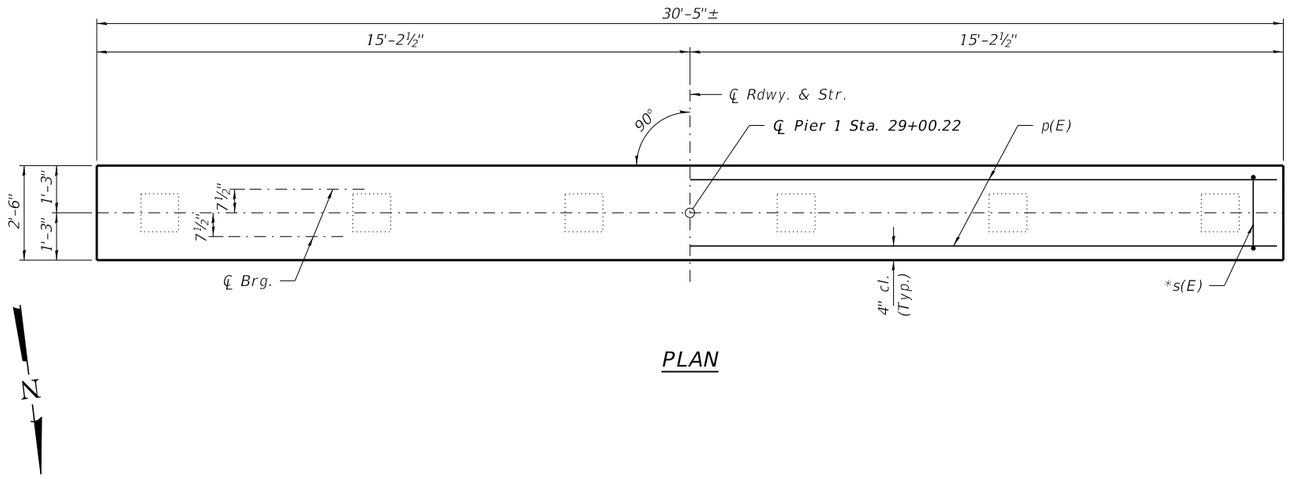
CONTRACT NO. 89779
ILLINOIS | FED. AID PROJECT NO. ZH0Y(896)



ELEVATION
(North Face Shown, Looking South)



SECTION B-B

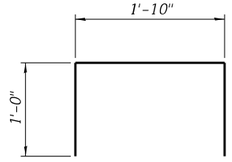


PLAN

*s(E) bars shall be drilled and set according to Art. 509.06 of the Standard Specifications. Bars shall have a 9" minimum embedment depth, be set in 1"Ø holes and filled with an approved epoxy grout.

Hatched area indicates Concrete Removal

Hatched area indicates Structural Repair of Concrete (Depth ≤ 5")



BAR s(E)

BILL OF MATERIAL - PIER 1

BAR	NO.	SIZE	LENGTH	SHAPE
p(E)	2	#5	30'-1"	———
s(E)	23	#4	3'-10"	⊓
Concrete Structures			Cu. Yd.	1.2
Concrete Removal			Cu. Yd.	0.5
Reinf. Bars, Epoxy Coated			Pound	120
Structural Repair of Concrete (Depth ≤ 5")			Sq. Ft.	4
Asbestos Bearing Pad Removal			Each	22

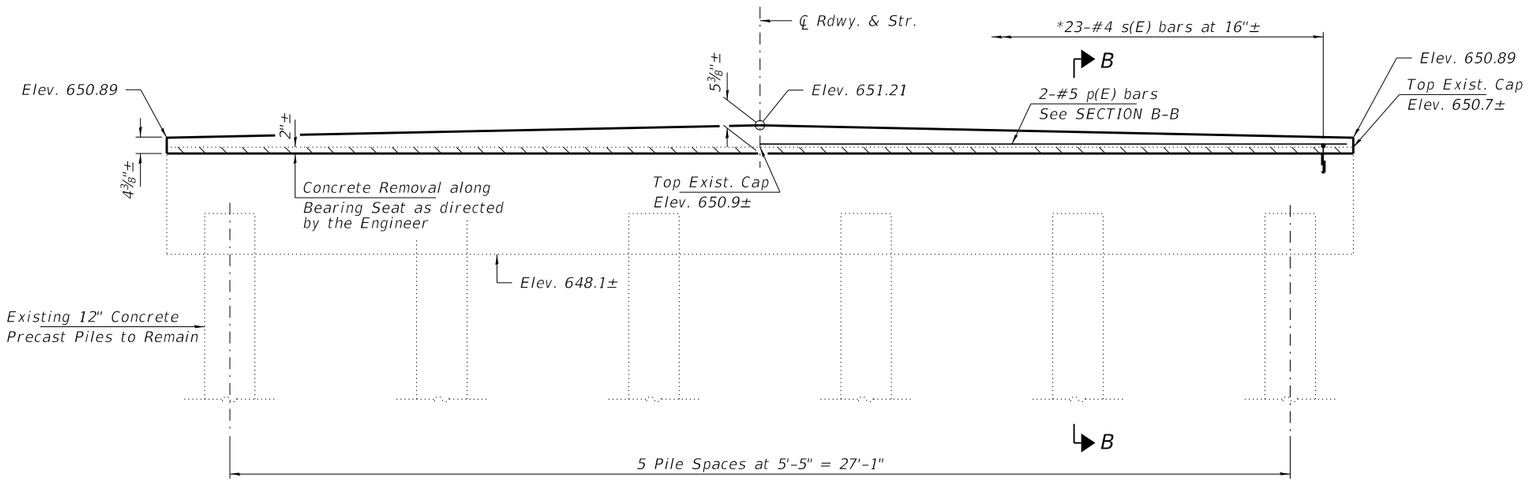
Notes:
The contractor shall repair, at their own expense, any damage to the substructure caused by removal operations.
Cost of drilling and grouting reinforcement bars included in cost for Concrete Structures.
The existing top of pier cap is sloped. The Contractor shall level top of cap to the satisifaction of the Engineer during removal.
See Existing Plans for existing reinforcement placement.

FILE NAME = 190013-shl-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

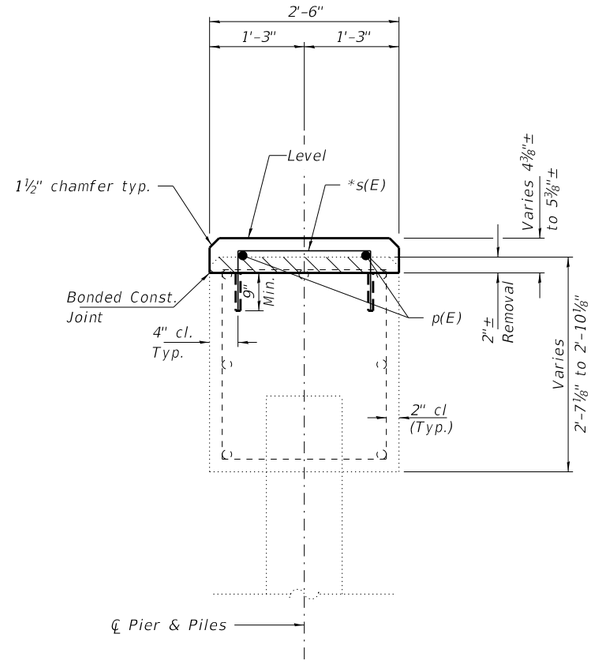
PIER 1
STRUCTURE NO. 102-3131
SHEET NO. 9 OF 14 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	36
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		

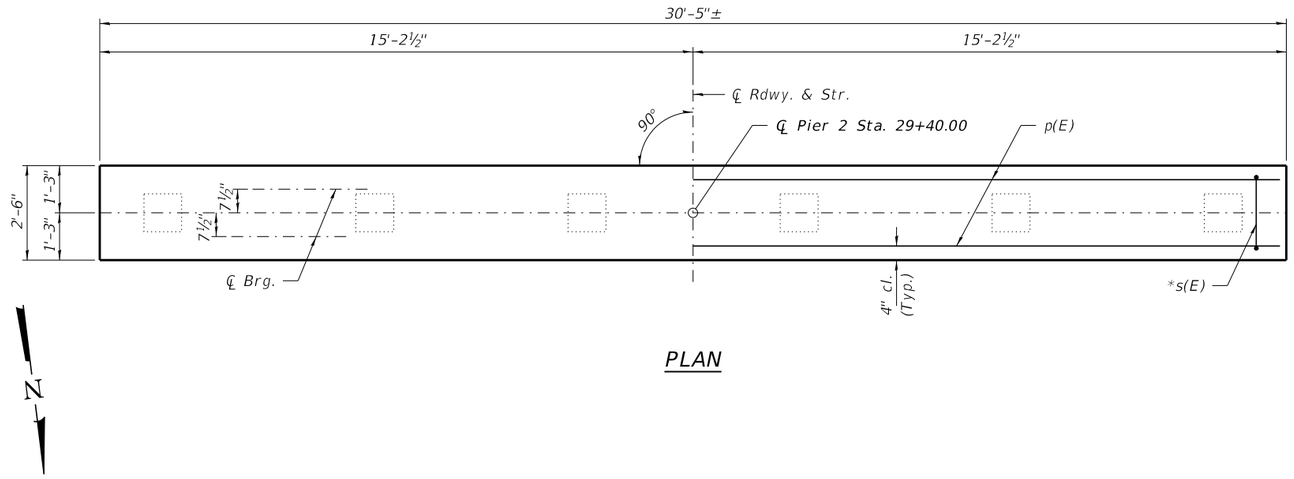


ELEVATION

(North Face Shown, Looking South)



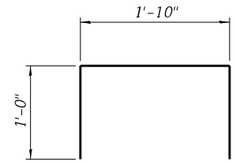
SECTION B-B



PLAN

*s(E) bars shall be drilled and set according to Art. 509.06 of the Standard Specifications. Bars shall have a 9" minimum embedment depth, be set in 1"Ø holes and filled with an approved epoxy grout.

Hatched area indicates Concrete Removal



BAR s(E)

BILL OF MATERIAL - PIER 2

BAR	NO.	SIZE	LENGTH	SHAPE
p(E)	2	#5	30'-1"	———
s(E)	23	#4	3'-10"	⊓
Concrete Structures			Cu. Yd.	1.1
Concrete Removal			Cu. Yd.	0.5
Reinf. Bars, Epoxy Coated			Pound	120
Asbestos Bearing Pad Removal			Each	22

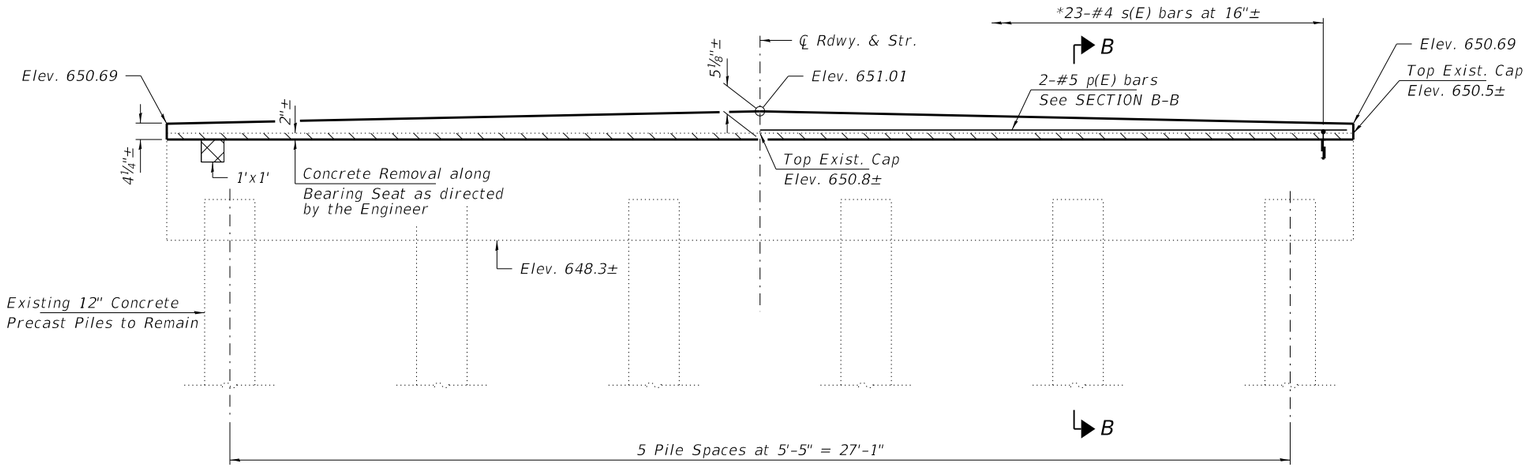
Notes:
The contractor shall repair, at their own expense, any damage to the substructure caused by removal operations.
Cost of drilling and grouting reinforcement bars included in cost for Concrete Structures.
The existing top of pier cap is sloped. The Contractor shall level top of cap to the satisifaction of the Engineer during removal.
See Existing Plans for existing reinforcement placement.

FILE NAME = 190013-shl-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -

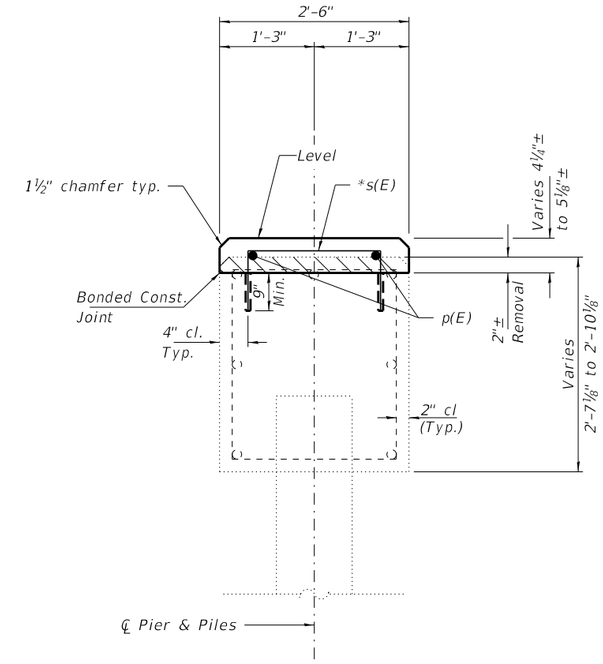
STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

PIER 2
STRUCTURE NO. 102-3131
SHEET NO. 10 OF 14 SHEETS

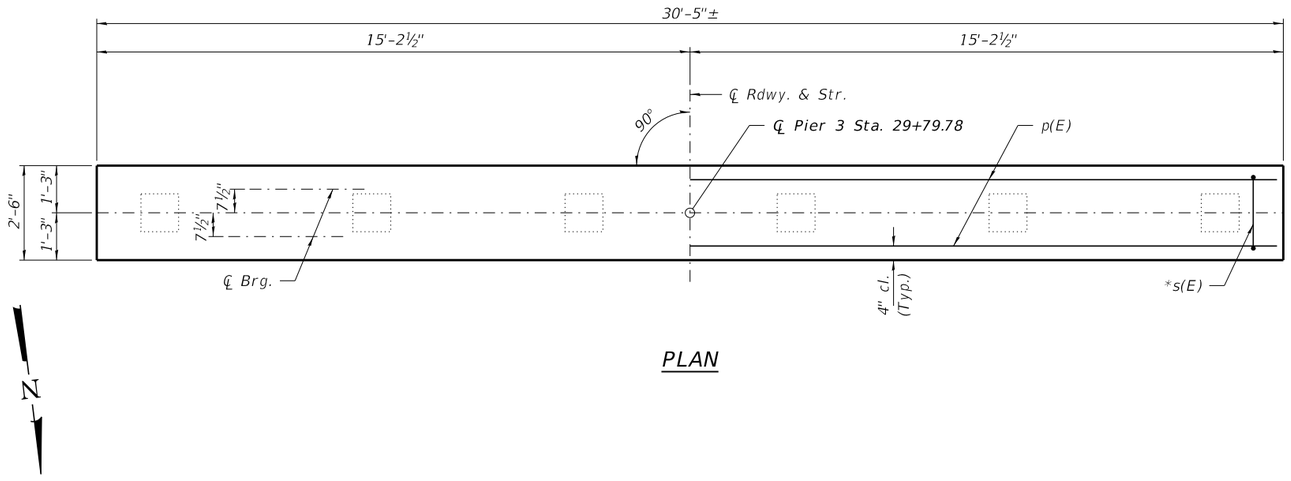
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	37
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		



ELEVATION
(North Face Shown, Looking South)



SECTION B-B

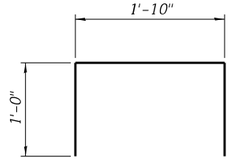


PLAN

*s(E) bars shall be drilled and set according to Art. 509.06 of the Standard Specifications. Bars shall have a 9" minimum embedment depth, be set in 1"Ø holes and filled with an approved epoxy grout.

Hatched area indicates Concrete Removal

Hatched area indicates Structural Repair of Concrete (Depth ≤ 5")



BAR s(E)

BILL OF MATERIAL - PIER 3

BAR	NO.	SIZE	LENGTH	SHAPE
p(E)	2	#5	30'-1"	———
s(E)	23	#4	3'-10"	⊓
Concrete Structures			Cu. Yd.	1.1
Concrete Removal			Cu. Yd.	0.5
Reinf. Bars, Epoxy Coated			Pound	120
Structural Repair of Concrete (Depth ≤ 5")			Sq. Ft.	1
Asbestos Bearing Pad Removal			Each	22

Notes:
The contractor shall repair, at their own expense, any damage to the substructure caused by removal operations.
Cost of drilling and grouting reinforcement bars included in cost for Concrete Structures.
The existing top of pier cap is sloped. The Contractor shall level top of cap to the satisifaction of the Engineer during removal.
See Existing Plans for existing reinforcement placement.

FILE NAME = 190013-shl-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

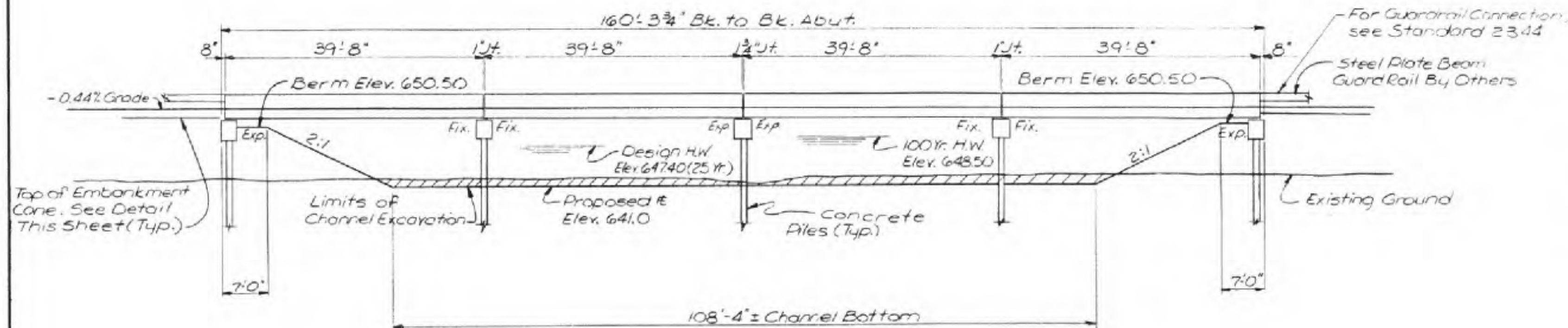
PIER 3
STRUCTURE NO. 102-3131
SHEET NO. 11 OF 14 SHEETS

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	38
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		

Bench mark: 150' South of Existing Bridge, East Side of Road. Spike in Power Pole. Elev. 645.11
Existing Structure: None

Route No.	Section	County	Total Sheets	Sheet No.
		WOODFORD	29	15

Sec. 77-00059-00-BR



ELEVATION

GENERAL NOTES

Standard Specifications for Road and Bridge Construction, adopted by the Illinois Department of Transportation July 1, 1976 shall apply.

All structural steel shall be shop painted with two coats of basic lead silico chromate paint, including exposed piling.

Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.

For Soil Borings see Special Provisions.

All Transverse Tie Assemblies (nuts, bolts, and washers) shall be Hot Dipped Galvanized in accordance with AASHTO Designation M232.

The Contractor shall drive one test pile in a permanent location as directed by the Engineer before ordering the remainder of piles. The test pile is to be located at Pier #2.

It is the Contractor's responsibility to comply with all applicable Local, State and Federal Laws, including Occupational Safety and Health Act (OSHA) and Regulations adopted pursuent thereto. The Contractor shall be responsible for construction means, methods, techniques, sequences and procedures; and for safety precautions and programs, including the safety and adequacy of shoring, formwork, sheeting, safety railing, scaffolding and equipment. Ralph Hahn and Associates Consulting & Design Engineers Inc. assumes no responsibility or liability in these matters whatsoever.

The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.

For Proposed Channel Configuration see Sheet #12

Expansion guards which are not cast in the precast unit shall be fabricated and erected in accordance with Article 503.07(c) of the Standard Specifications and are included in quantity of structural steel.

The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.

The concrete rail section above the mandatory construction joint at the top of the slab shall be constructed of Class X Concrete, except the aggregates shall conform to the requirements of Handrail Concrete.

WATERWAY DATA

Drainage Area	186 Sq. Mi.	**
Existing Opening (Over Rd. Flow)	2586 Sq. Ft.	
Required Opening (25 Yr.)	740 Sq. Ft.	
Proposed Opening	740 Sq. Ft.	
Design Frequency Discharge (25 Yr.)	3490 C.F.S.	
Created Head For Design Flood	0.4 Ft.	**
100 Yr. Discharge	11,130 C.F.S.	**
Created Head For 100 Yr. Flood	0.5 Ft.	**

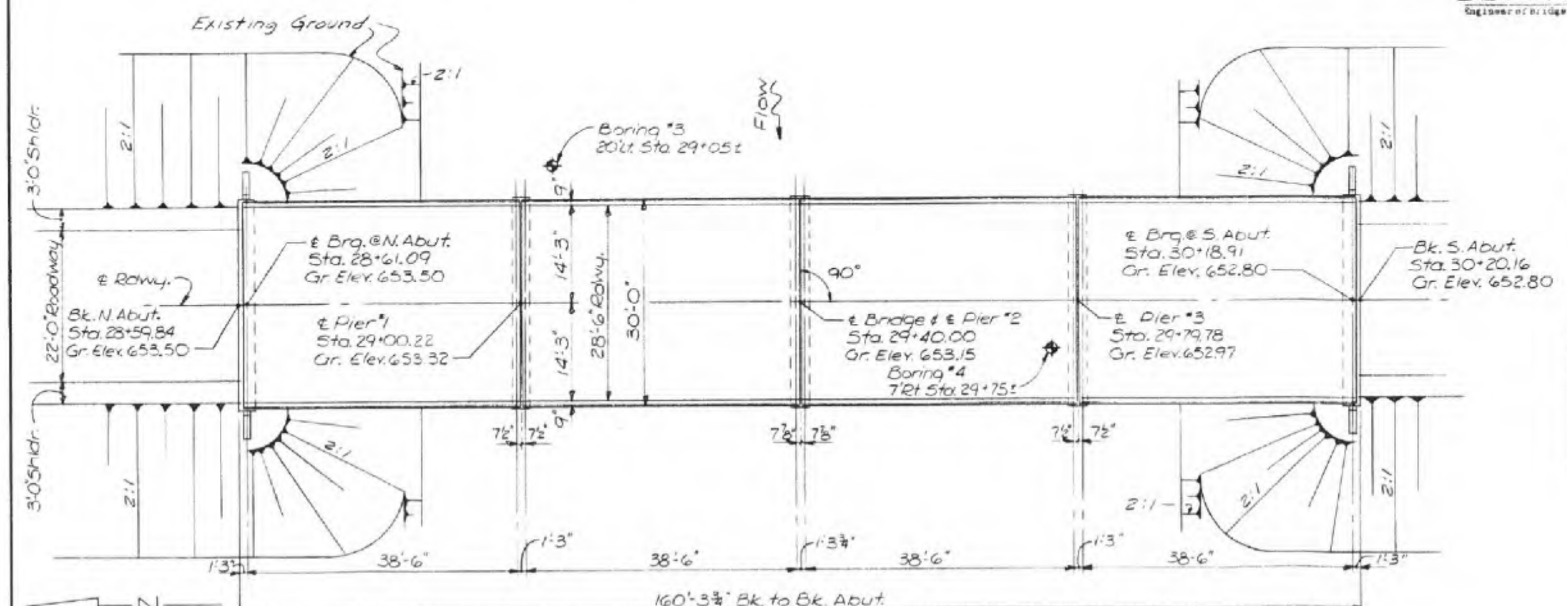
** Main Structure and Overflow Structure

FOR STR. ... ONLY
Carl E. Thunman Jr.
Engineer of Bridge & Traffic Structures

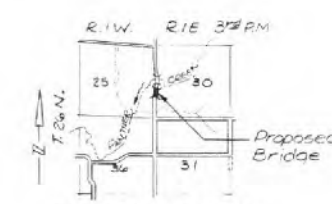
TOTAL BILL OF MATERIALS

	Item	Unit	Quantity
*	Channel Excavation	Cu. Yd.	3032
	Bituminous Concrete Surface Course, Class I	Ton	46
*	Protective Coat	Sq. Yd.	100
	Class X Concrete	Cu. Yd.	61.5
	P.P. Concrete Deck Beams 17"	Sq. Ft.	4760
*	Waterproofing Membrane System	Sq. Yd.	503
	Furnishing and Erecting Structural Steel	Pound	3720
	Reinforcement Bars	Pound	8,340
	Furnishing Concrete Piles	Lin. Ft.	864
	Driving Concrete Piles	Lin. Ft.	864
	Test Pile - Concrete	Each	1
	Name Plates	Each	1
*	Seeding - Class II	Acre	1.4
*	Preformed Joint Sealer 2½"	Lin. Ft.	31
*	Erosion Control Fabric	Sq. Yd.	5278
*	Erosion Control Mat	Sq. Yd.	1357
*	Portland Cement Mortar Fairing Course	Lin. Ft.	1428

* See Special Provisions



PLAN



LOCATION SKETCH

STATION 29+40
OVERFLOW STRUCTURE AT PANTHER CREEK
BUILT 1978
FAS. RT. 363 SEC. 77-00059-00-BR.
FA. PROJ. BR-5-363(104)
LOADING HS 20
NBIP 102-3131

NAME PLATE
(See Standard 2113)

FRANK L. TILEY 3100 REGISTERED STRUCTURAL ENGINEER OF ILLINOIS 4-18-78

Frank L. Tiley
ILLINOIS STRUCTURAL NO. 3100

DESIGN STRESSES
PRECAST PRESTRESSED CONCRETE

f'c = 5,000 p.s.i.
f'ci = 4,000 p.s.i.
f's = 270,000 p.s.i. (½" ⌀ Strands)
f'si = 189,000 p.s.i.

DESIGN STRESSES

fc = 1400 p.s.i. (Sub.)
fs = 20,000 p.s.i. (Reinf.)
n = 8.5

Loading HS20-44
Design Specifications = AASHTO 1973 and all Applicable Interim Specifications - 74, 75, 76 & 77.

SUBMITTED APRIL 12 1978
Robert A. Cheaney
WOODFORD COUNTY
SUPERINTENDENT OF HIGHWAYS

APPROVED ____________ 1978

DISTRICT ENGINEER

LOADING HS20 44

RALPH HAHN & ASSOCIATES
CONSULTING & DESIGN ENGINEERS INC.
1320 South State Street
Springfield, Illinois 62704

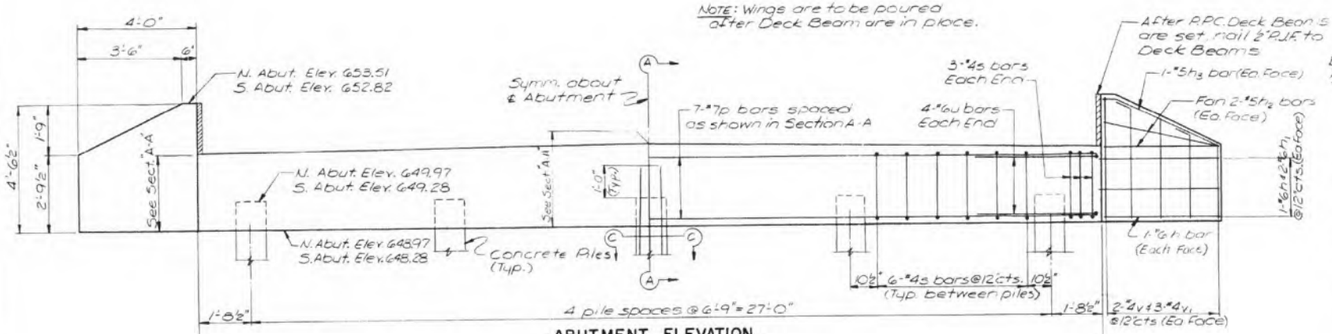
GENERAL PLAN & ELEVATION
OVERFLOW STRUCTURE AT PANTHER CREEK
PALESTINE ROAD DISTRICT
SECTION 77-00059-00-BR
WOODFORD COUNTY
STATION 29+40
102-3131

BR-77-102

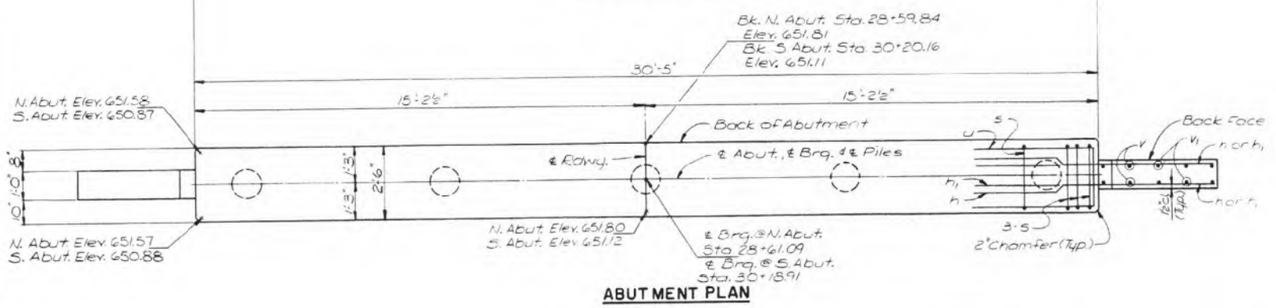
		WOODFORD	29	16

Sec. 77-00059-00-BR

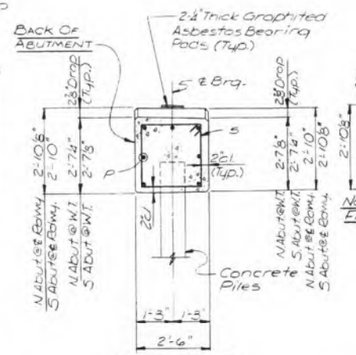
NOTE: Wings are to be poured after Deck Beams are in place.



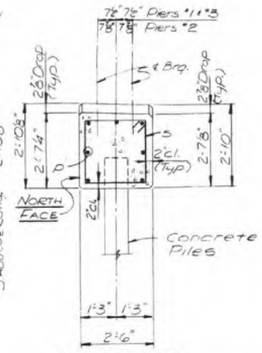
ABUTMENT ELEVATION



ABUTMENT PLAN



SECTION "A-A"



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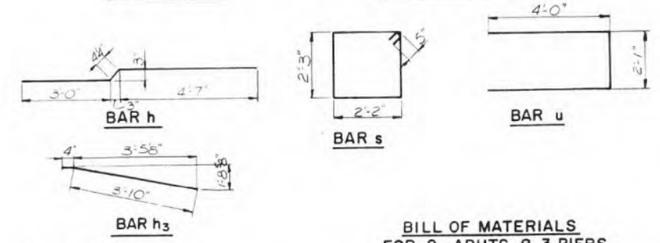
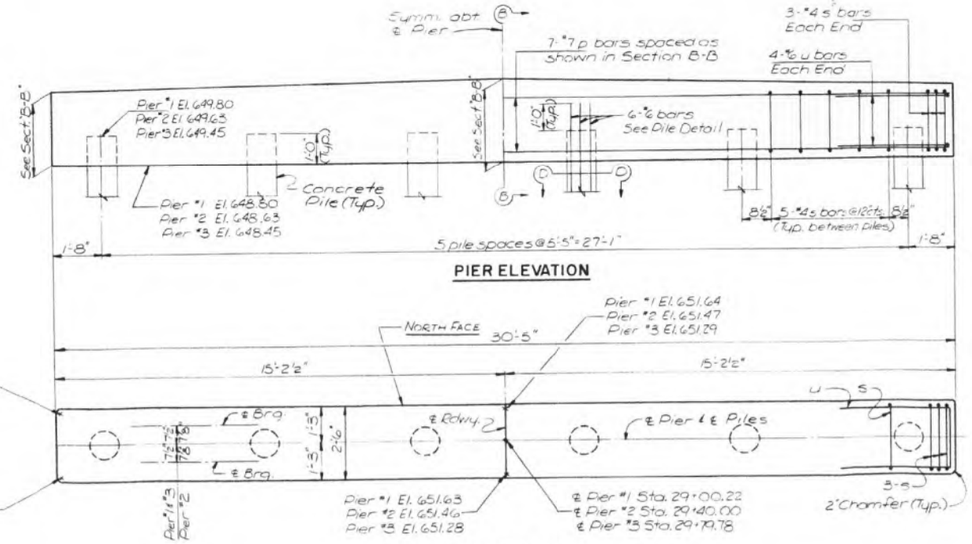




PIER ELEVATION

PIER PLAN

PILE DATA

	* N. & S. Abuts.	* Piers #1 & #3	* Pier #2
Type	Concrete	Concrete	Concrete
Capacity	50 Tons	35 Tons	35 Tons
Est. Length	32'	32'	32'
No. Req'd.	5 Ea. Abut.	6 Ea. Pier	5 + 1 Test Pile

* NOTE: Do Not Overdrive Piles. Piles will Stop Abruptly @ El. 619.00±

For Pile Details - See Sheet #19

BILL OF MATERIALS FOR 2-ABUTS. & 3 PIERS

BAR	NO.	SIZE	LENGTH	SHAPE
h	8	#6	8'-0"	
h_1	16	#6	7'-10"	
h_2	16	#5	3'-9"	
h_3	8	#5	4'-2"	
p	35	#7	30'-2"	
s	152	#4	9'-8"	
u	40	#6	10'-1"	
v	16	#4	4'-4"	
v_1	24	#4	3'-6"	
Class X Concrete			Cu. Yd	39.7
Reinforcement Bars			Pound	4230
Fur. Concrete Pile			Lin. Ft.	864
Test Pile Concrete			Each	1

ABUTMENTS & PIERS
OVERFLOW STRUCTURE AT PANTHER CREEK
PALESTINE ROAD DISTRICT
SECTION 77-00059-00-BR
WOODFORD COUNTY
STATION 29+40
102-3131

BR-77-102

FILE NAME = 190013-sht-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3095 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -	
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -	

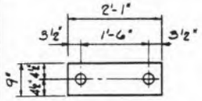
STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

EXISTING PLANS
STRUCTURE NO. 102-3131
SHEET NO. 13 OF 14 SHEETS

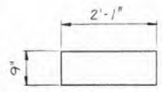
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	40
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZHOY(896)		

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	-	WOODFORD	2	17
FED. RD. DIST. NO.		ILL. ROUTE	FED. AID PROJECT	

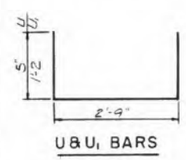
Sec. 77-00059-00-BR



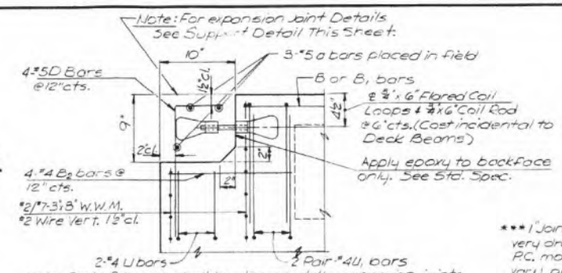
½" FABRIC BEARING PAD



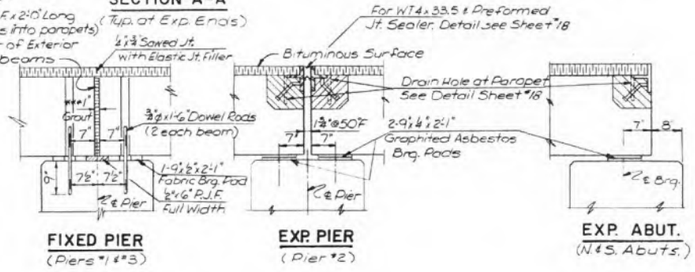
¼" GRAPHITE ASBESTOS BEARING PAD



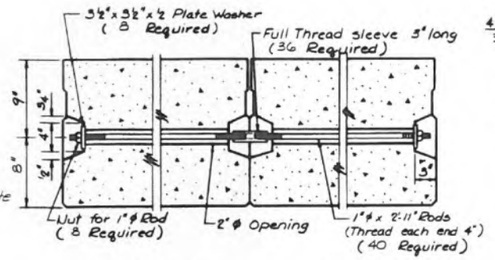
U & U₁ BARS



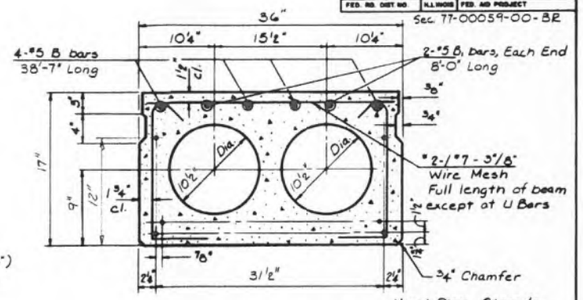
Note: End of beams shall be aligned at the expansion joints. Any lineal variation in the beam lengths shall be placed at fixed joints.



*** 1" Joint shall be packed with a very dry mix of 2:1 sand and P.C. mortar. 1" Dimension may vary plus or minus to accomodate tolerance in beam lengths.



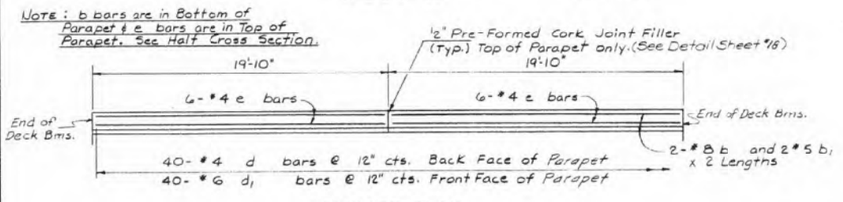
TYPICAL TRANSVERSE TIE ASSEMBLY



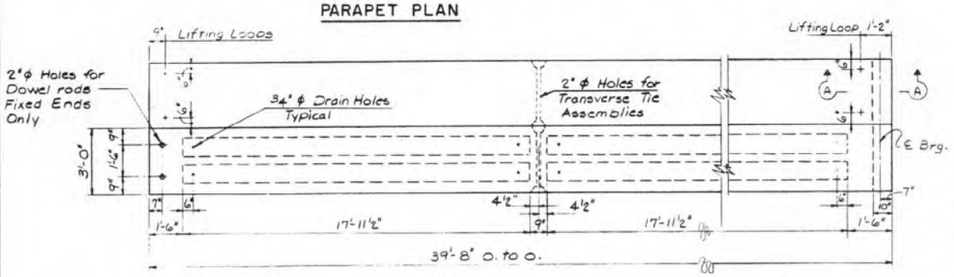
Note: Place Strands Symmetrically about ℄ Beam

TYPICAL SECTION

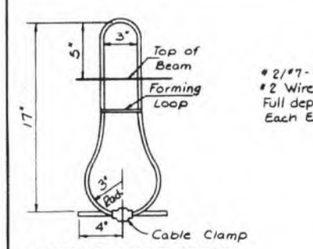
13 - ½" ϕ Strands Each Strand Stressed to 28,900 lbs.
10 - Strands 14" Up 1 - Strands 3¼" Up &
2 - Strands 12" Up



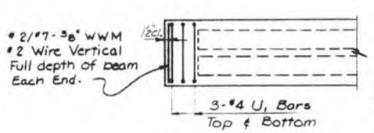
PARAPET PLAN



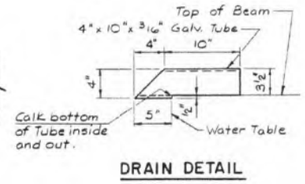
PLAN



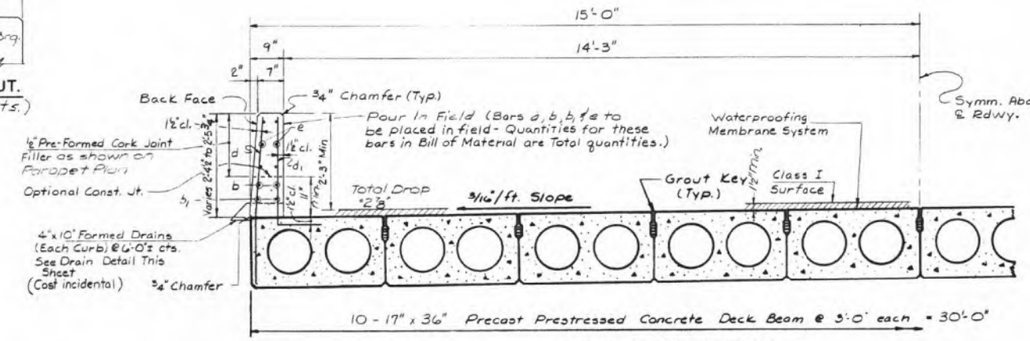
LIFTING LOOP DETAIL



END PLAN
(At Fixed End Only)
(At Pier #1 & Pier #3)



DRAIN DETAIL



Note: Omit Grout Key at Exterior of Exterior Beams.

HALF CROSS SECTION

GENERAL NOTES

Prestressing steel shall be non-galvanized high strength, stress-relieved 7-wire strand, Grade 270. The nominal diameter shall ½" and the nominal cross-sectional area shall be 0.153 square inch.

Lifting loops shall be ½" diameter, 6x25 class wire rope with fiber core and shall have a minimum ultimate tensile strength of 21,000 lbs.

The 1" ϕ rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets that receive transverse tie bar on outside shall be filled with grout after transverse tie assembly is in place.

Longitudinal shear keys shall be packed with a very dry mix of 2:1 sand and P.C. mortar.

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

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

After fabrication the transverse tie assemblies (Tie rods, Nuts, Washers and Sleeves) Shall be Hot Dipped Galvanized in accordance with AASHTO M 232 Re: Deck Beams.

Steel for Expansion Guards shall be structural steel AASHTO designation M 183.

BILL OF MATERIAL

	BAR	NO.	SIZE	LEUGTH	SHAPE
*	B	4	*5	38'-7"	
*	B₁	4	*5	8'-0"	
*	B₂	4	*4	1'-3"	
*	D	4	*5	1'-9"	
*	U	2	*4	3'-7"	
*	U₁	10	*4	5'-1"	
	a	12	*5	29'-9"	
	b	32	*5	21'-0"	
	b₁	32	*5	20'-6"	
*	d	40	*4	3'-7"	
*	d₁	40	*6	3'-4"	
	e	96	*4	19'-7"	
	Class X Concrete			Cu. Yd.	21.8
****	Reinforcement Bars			Pound	4,110
	P.P. Conc. Dk. & m. 17"			Sq. Ft.	4760

*Reinforcing List Is For One Unit Only - In Precast.

Note: d & d₁ Shall Be Placed In The Precast Plant In Exterior Beams Only.

**** This Quantity includes a, b, b₁, & e bars only

BAR D

BAR d₁

BAR d

SUPERSTRUCTURE
OVERFLOW STRUCTURE AT PANTHER CREEK
PALESTINE ROAD DISTRICT
SECTION 77-00059-00-BR
WOODFORD COUNTY
STATION 29+40
102-3131

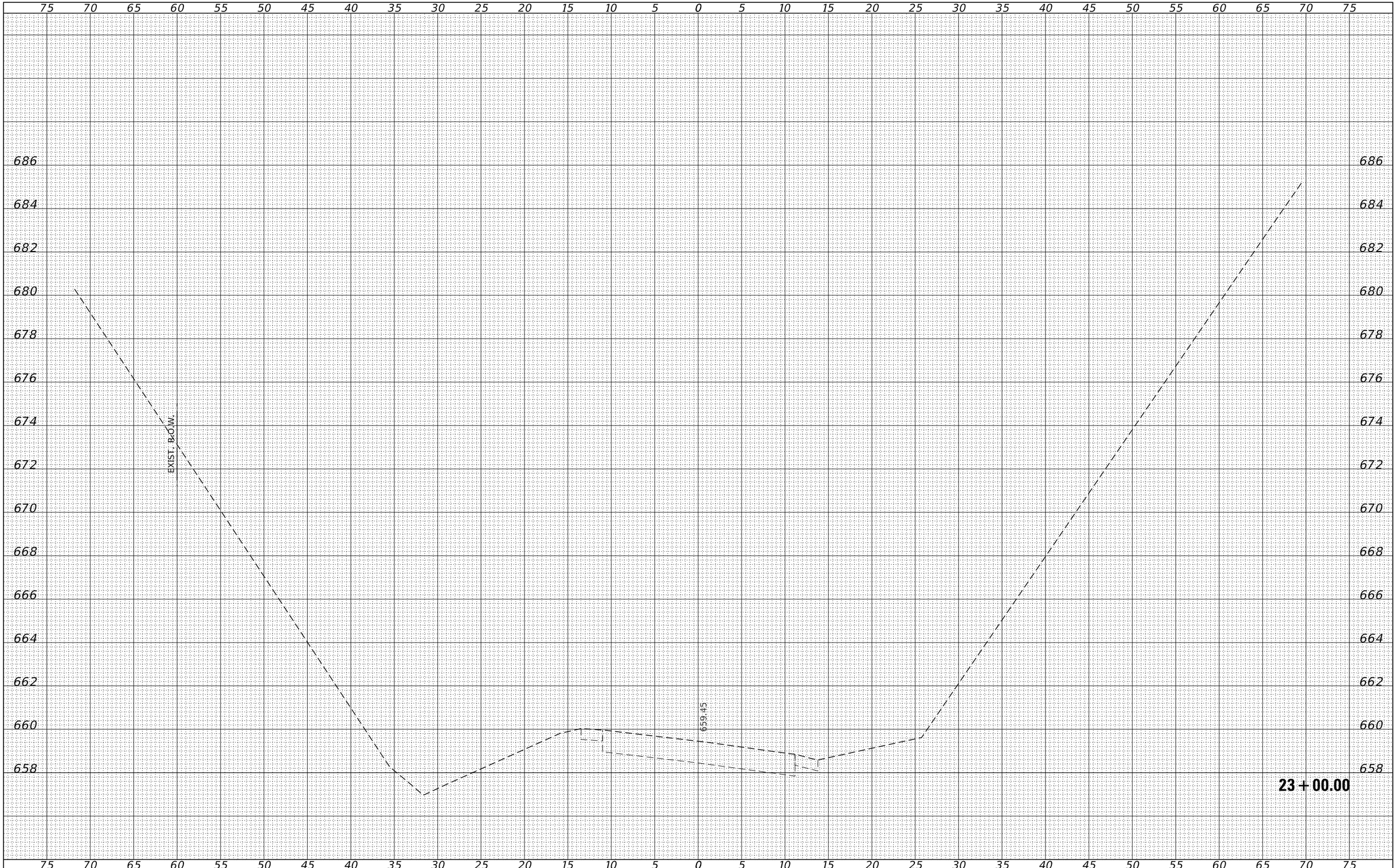
BR 77-102 II

FILE NAME = 190013-shl-bridge - SN 102-3131.dgn	USER NAME = smlerzwa	DESIGNED - J.R.B.	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	EXISTING PLANS STRUCTURE NO. 102-3131
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.T.M.	REVISED -		SHEET NO. 14 OF 14 SHEETS
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - R.D.H.	REVISED -		
	PLOT DATE = 2/28/2023	CHECKED - S.T.M./S.W.M.	REVISED -		

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	41
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT NO. ZH0Y(896)		

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

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



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3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 1 OF 24 SHEETS | STA. 23+00.00 TO STA. 23+00.00

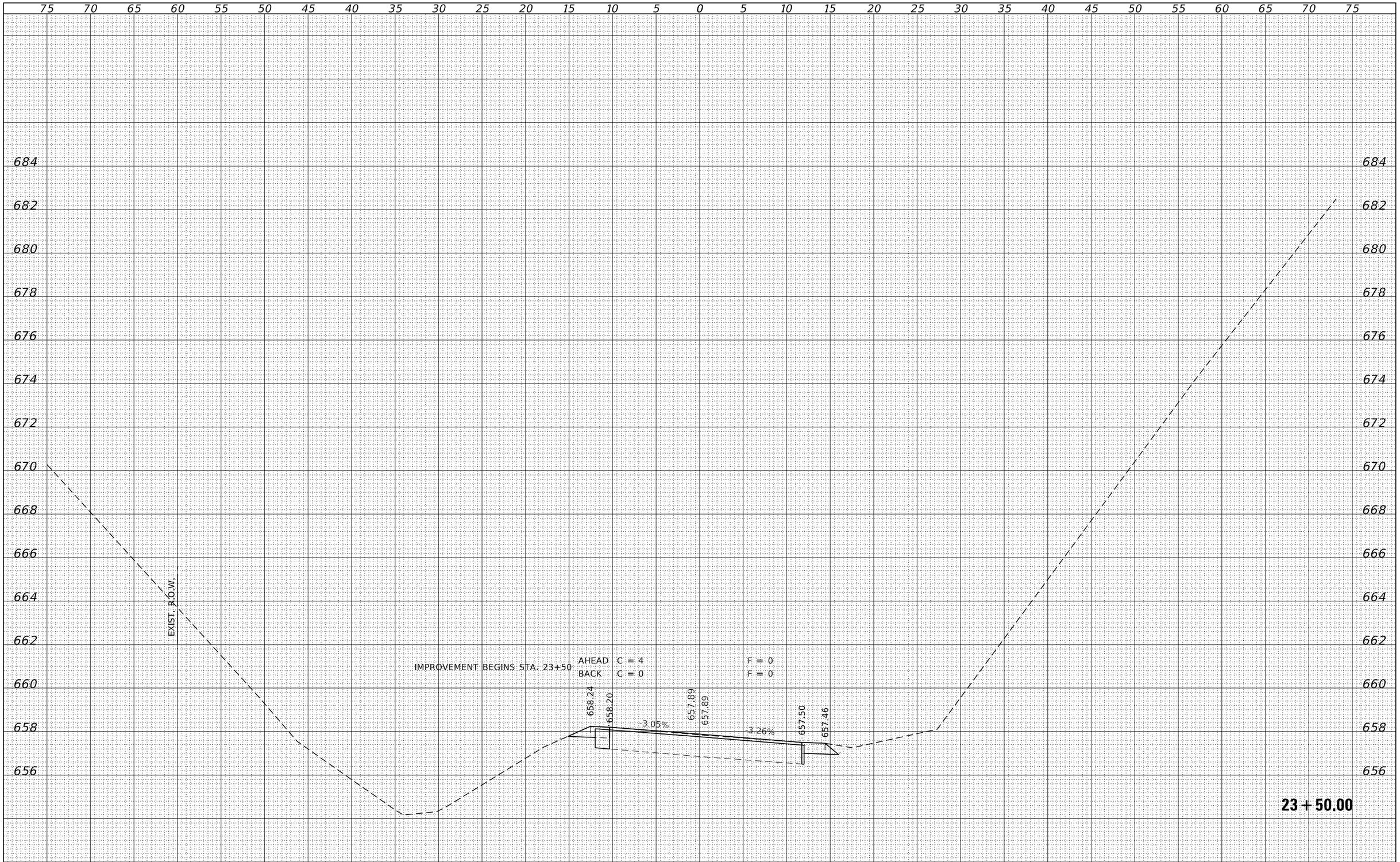
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	42
		CONTRACT NO. 89779		
		ILLINOIS	FED. AID PROJECT ZHOY(896)	

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

BY	DATE

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

BY	DATE



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - R.D.H.	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -		
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -	SCALE: 5H:2V	SHEET NO. 2 OF 24 SHEETS STA. 23+50.00 TO STA. 23+50.00

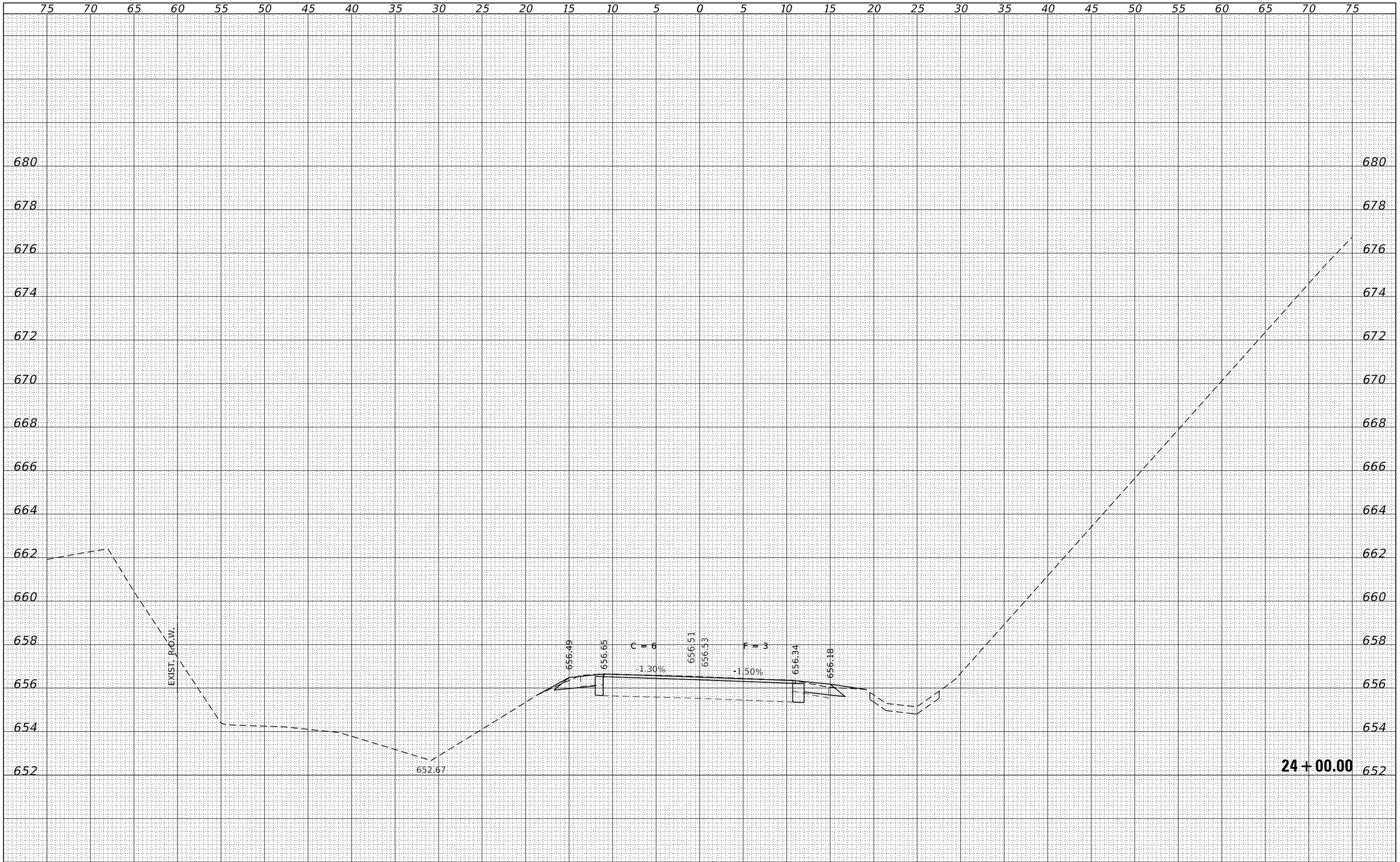
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	43
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		

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

BY	DATE

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

BY	DATE



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - R.D.H.	REVISED -	
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -	

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 3 OF 24 SHEETS | STA. 24+00.00 TO STA. 24+00.00

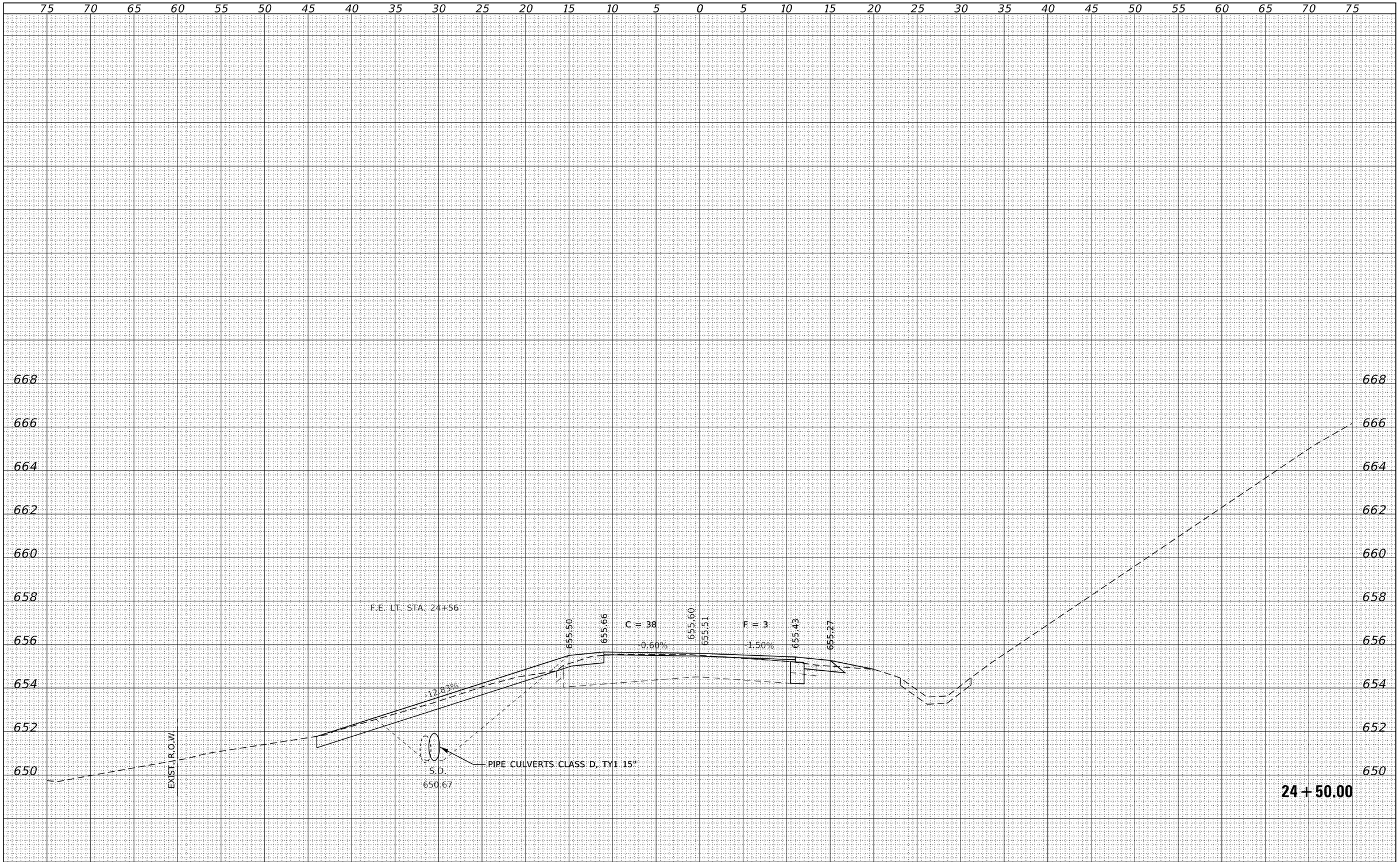
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	44
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		

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

BY	DATE

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

BY	DATE



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3065 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 4 OF 24 SHEETS | STA. 24+50.00 TO STA. 24+50.00

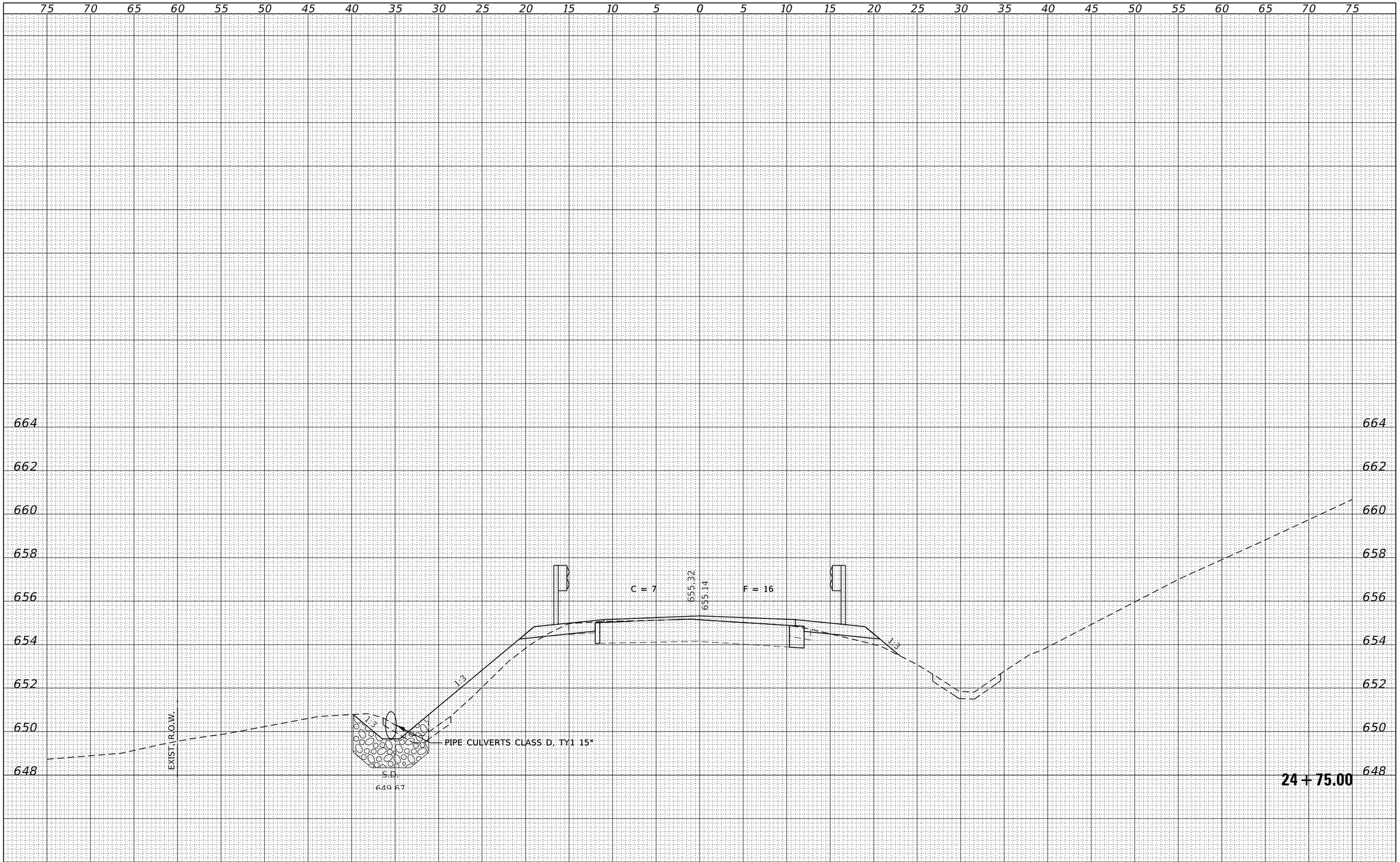
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	45
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		

FINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

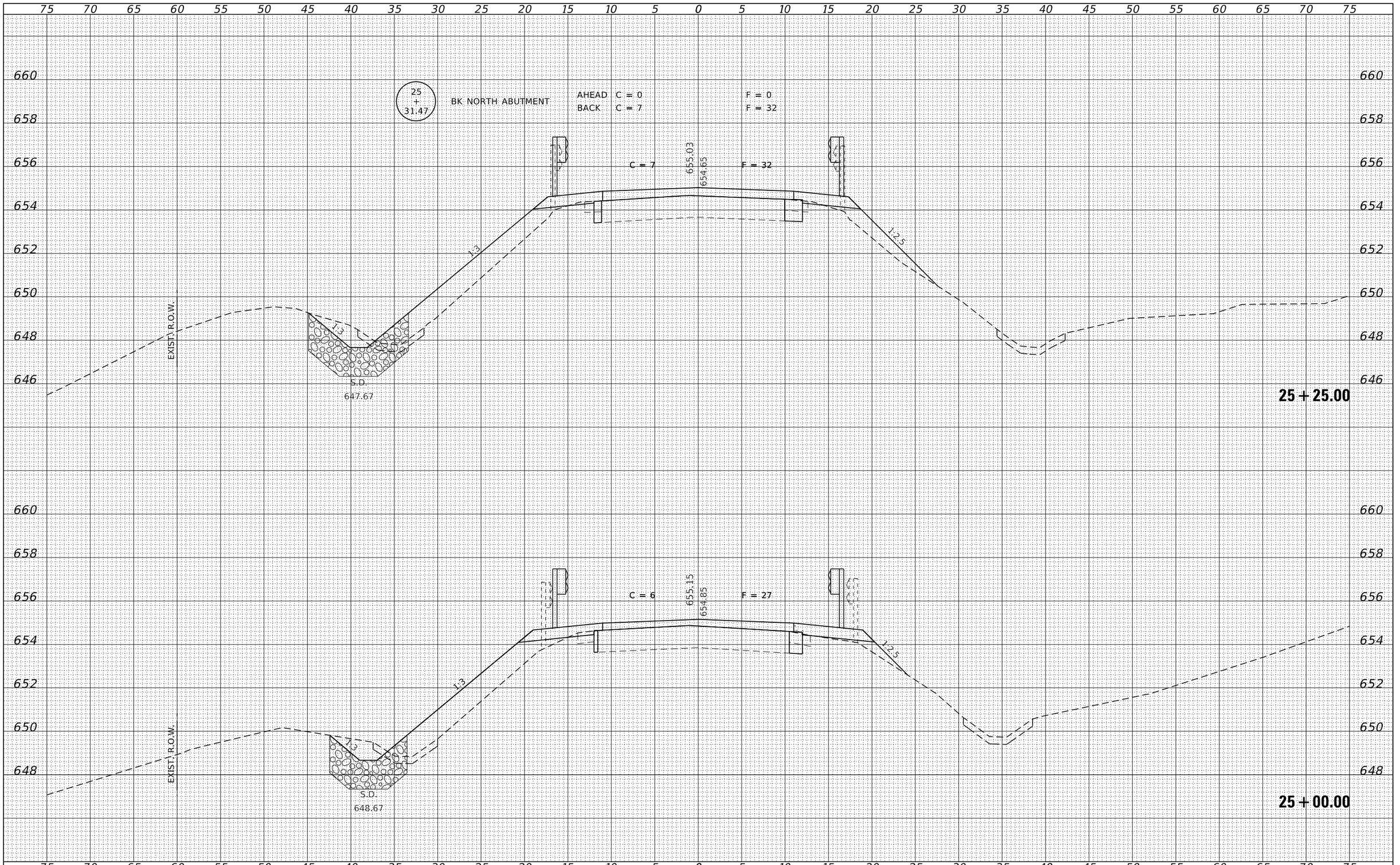
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - R.D.H.	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -		
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -		SCALE: 5H:2V SHEET NO. 5 OF 24 SHEETS STA. 24+75.00 TO STA. 24+75.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	46
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
		CHECKED - S.W.M.	REVISED -
PLOT SCALE = $SCALE$			
PLOT DATE = 2/28/2023		DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 6 OF 24 SHEETS | STA. 25+00.00 TO STA. 25+25.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	47

CONTRACT NO. 89779

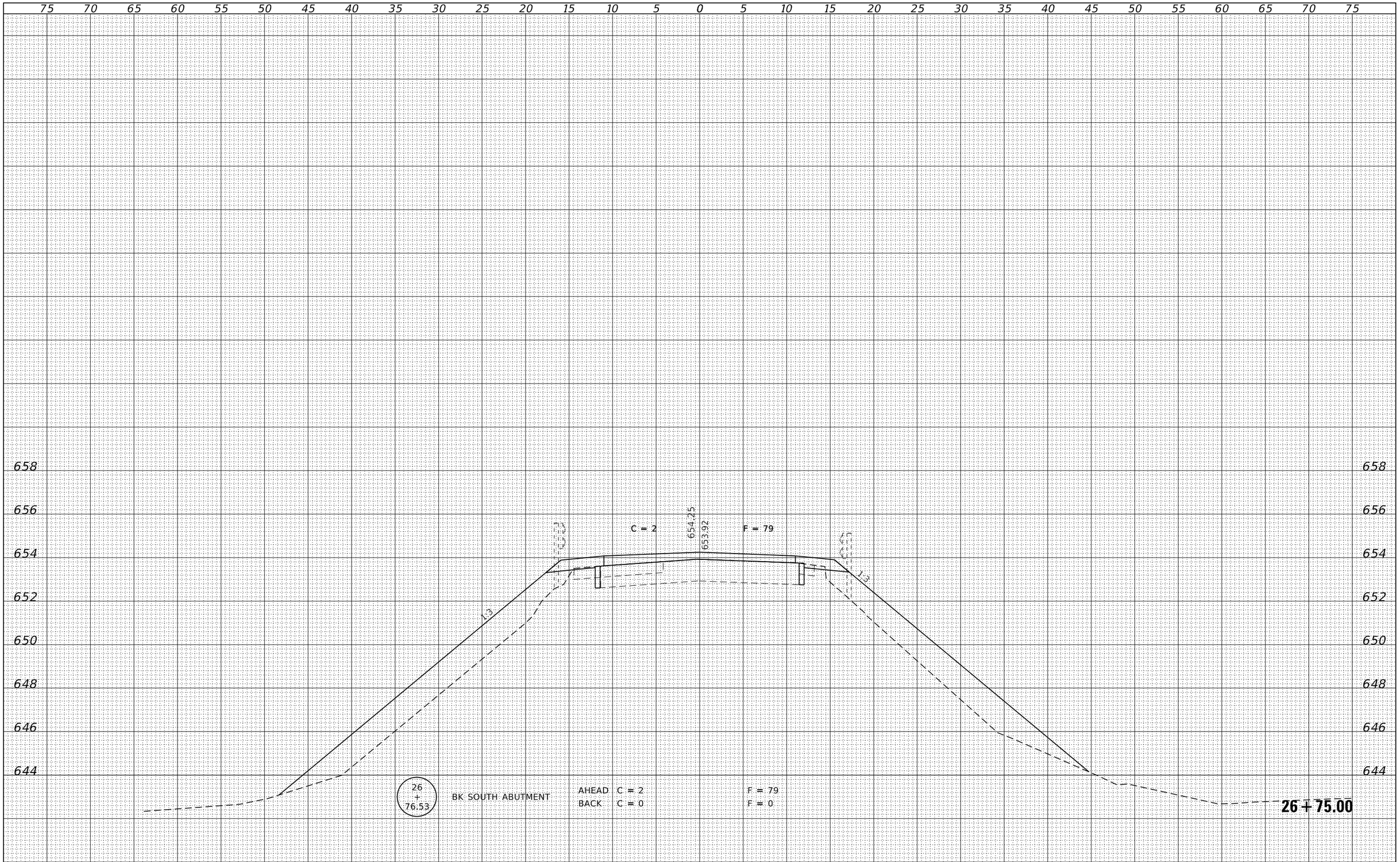
ILLINOIS | FED. AID PROJECT ZHOY(896)

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

BY	DATE

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

BY	DATE



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - R.D.H.	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -		
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -	SCALE: 5H:2V	SHEET NO. 7 OF 24 SHEETS STA. 26+75.00 TO STA. 26+75.00

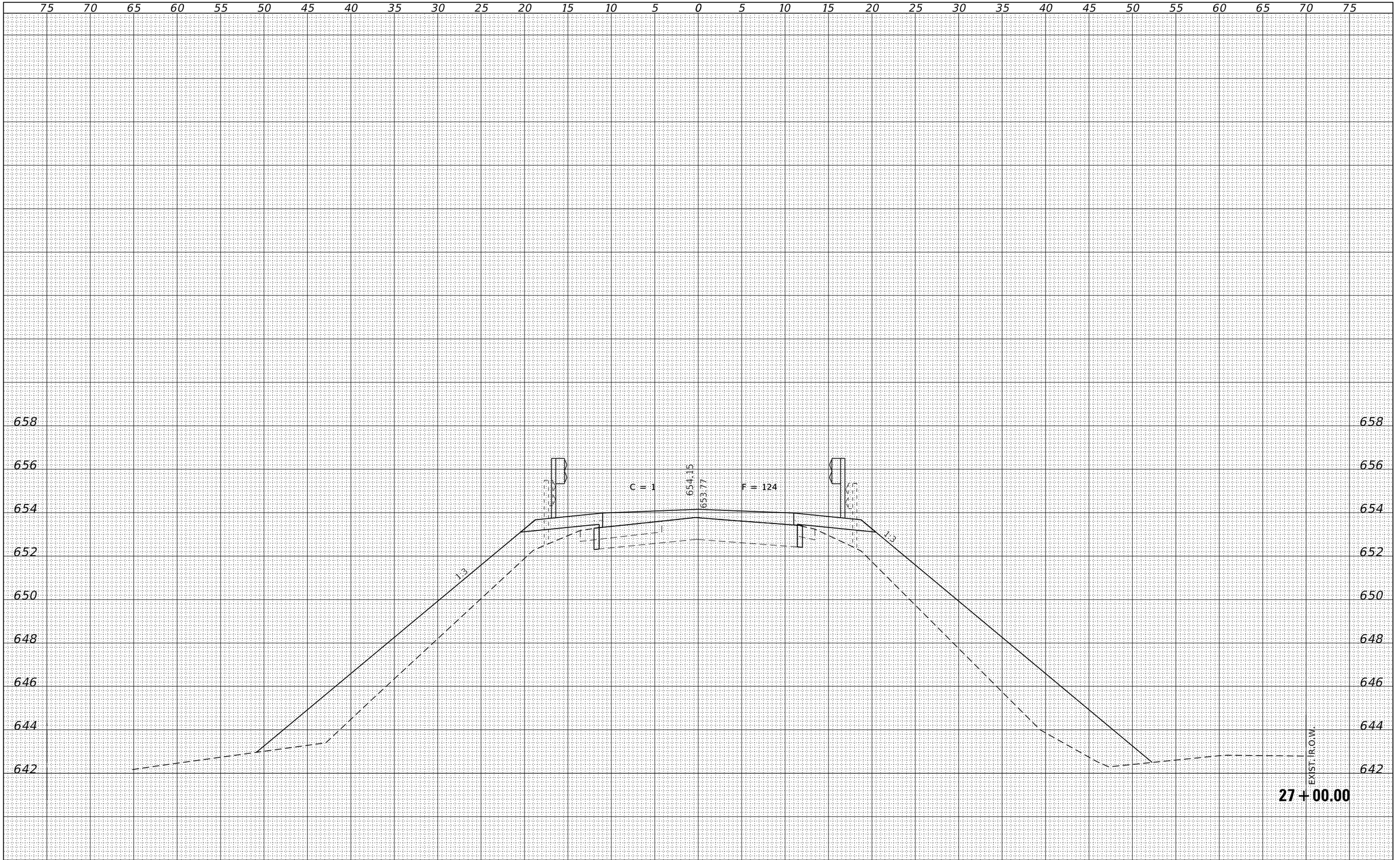
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	48
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		

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

BY	DATE

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

BY	DATE



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 8 OF 24 SHEETS | STA. 27+00.00 TO STA. 27+00.00

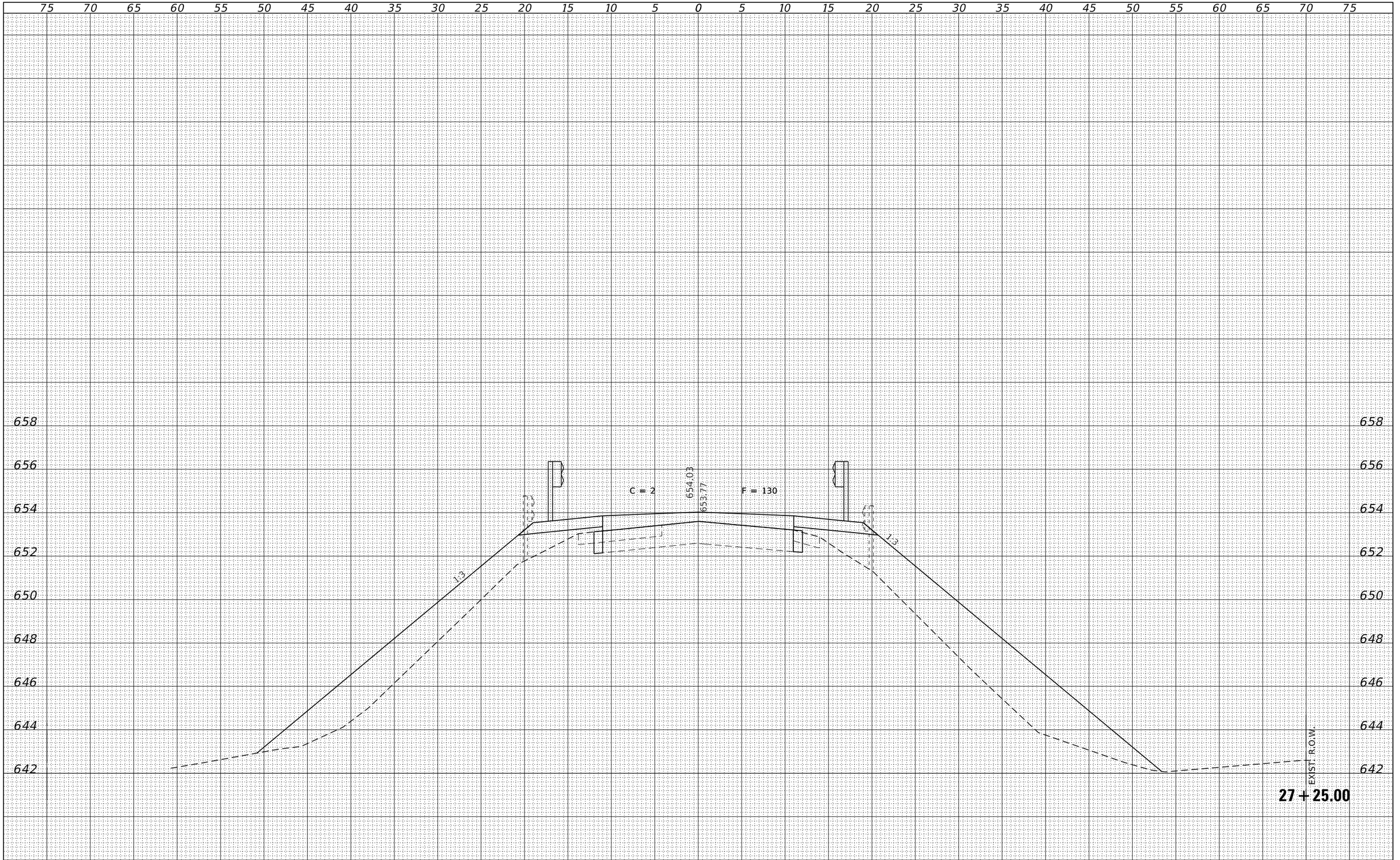
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	49
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZH0Y(896)		

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

BY	DATE

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

BY	DATE

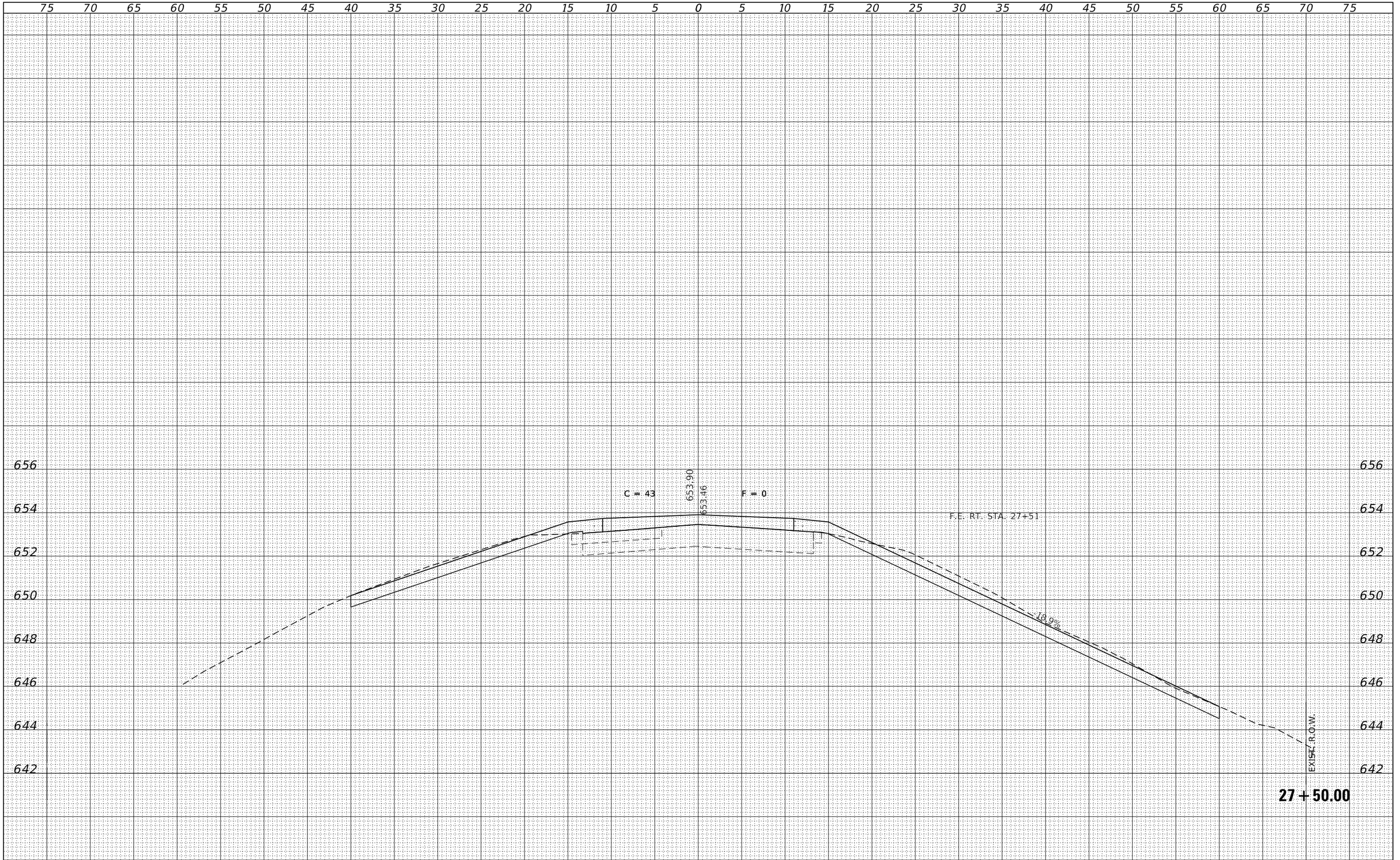


FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		DRAWN - R.D.H.	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -		SCALE: 5H:2V | SHEET NO. 9 OF 24 SHEETS | STA. 27+25.00 TO STA. 27+25.00
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -		

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	50
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZH0Y(896)		

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

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



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 10 OF 24 SHEETS | STA. 27+50.00 TO STA. 27+50.00

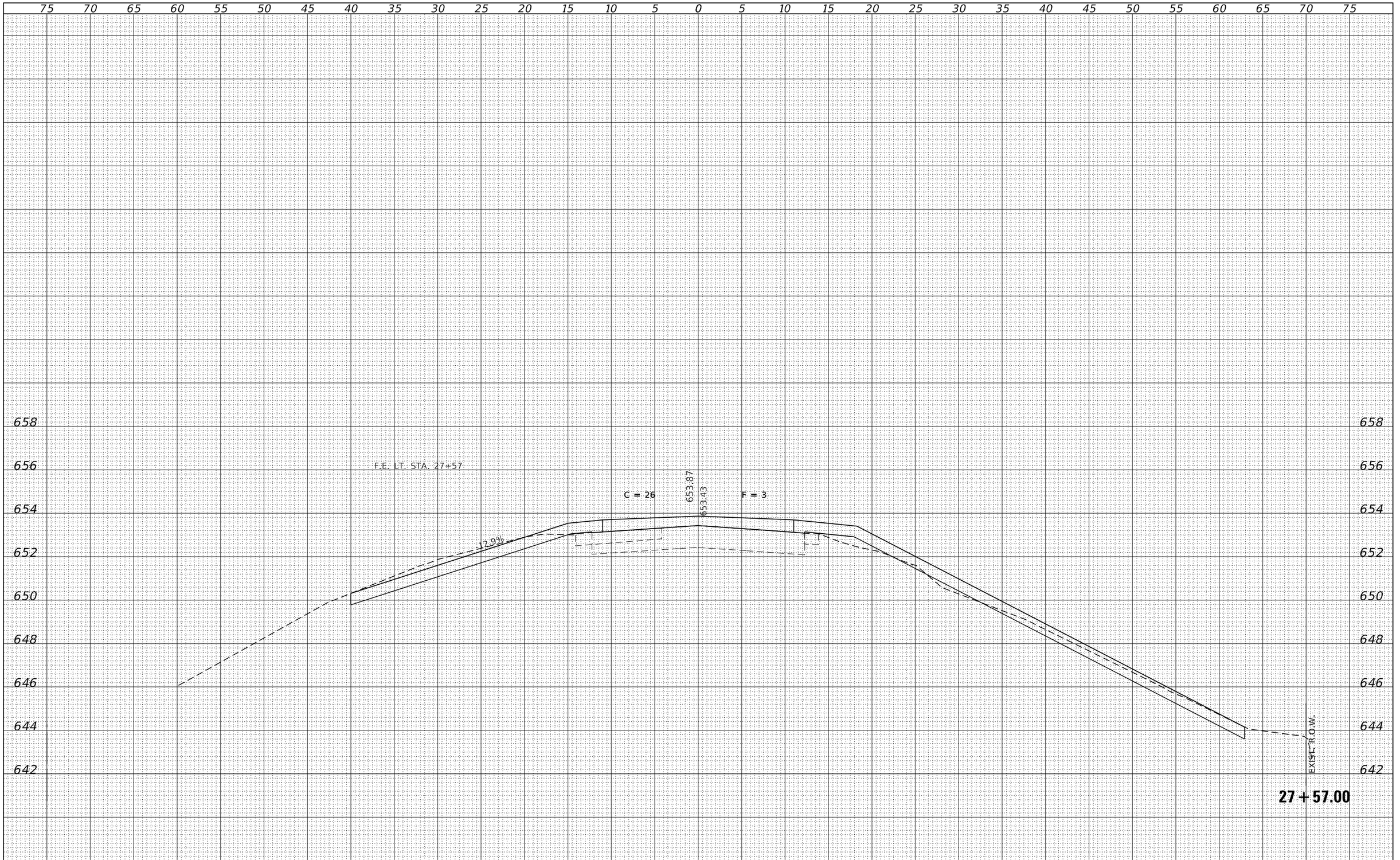
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	51
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZH0Y(896)		

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

BY	DATE

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

BY	DATE



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
PLOT SCALE = $SCALE$		CHECKED - S.W.M.	REVISED -
PLOT DATE = 2/28/2023		DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

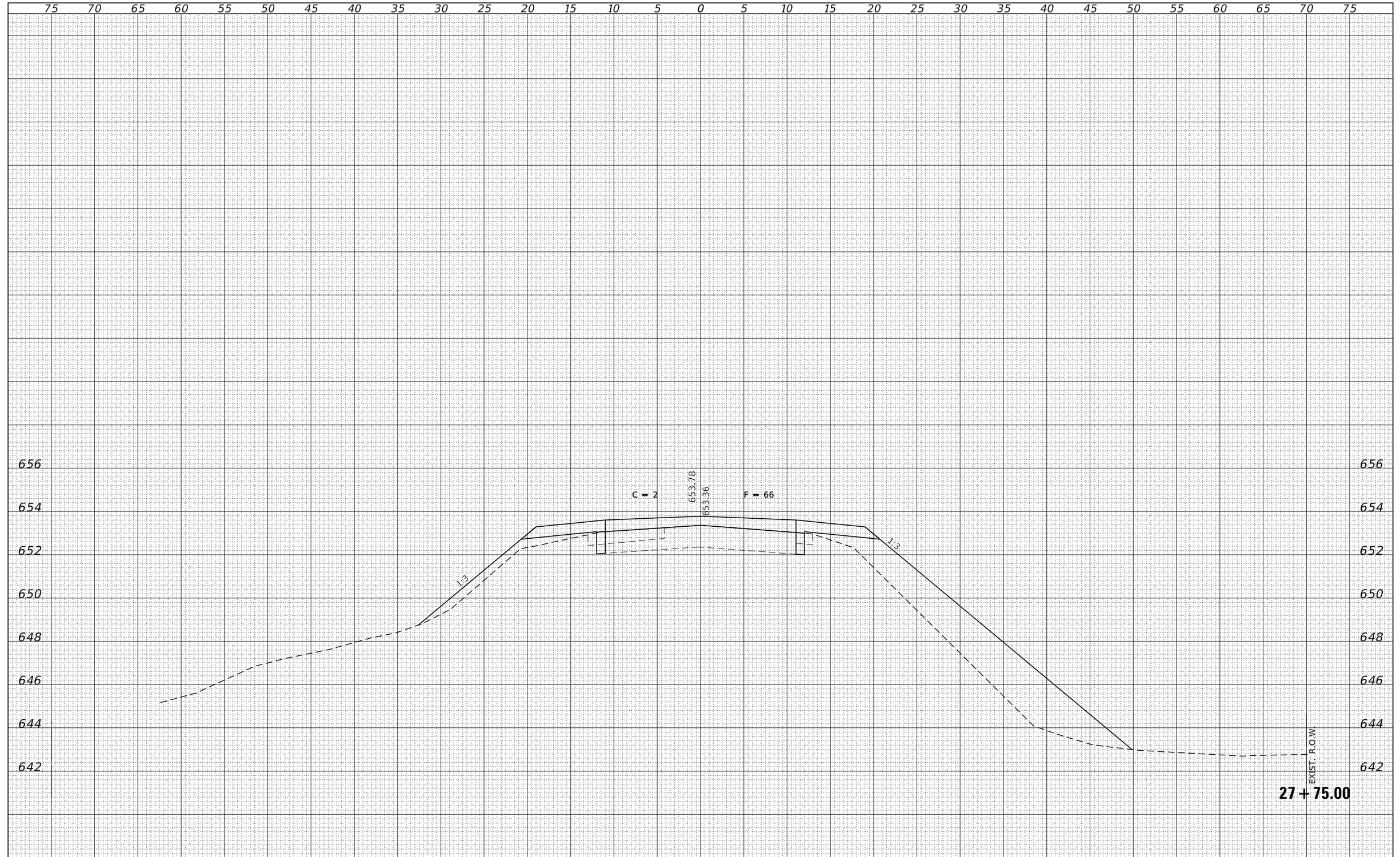
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 11 OF 24 SHEETS | STA. 27+57.00 TO STA. 27+57.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	52
		CONTRACT NO. 89779		
		ILLINOIS FED. AID PROJECT ZH0Y(896)		

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

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



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - R.D.H.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

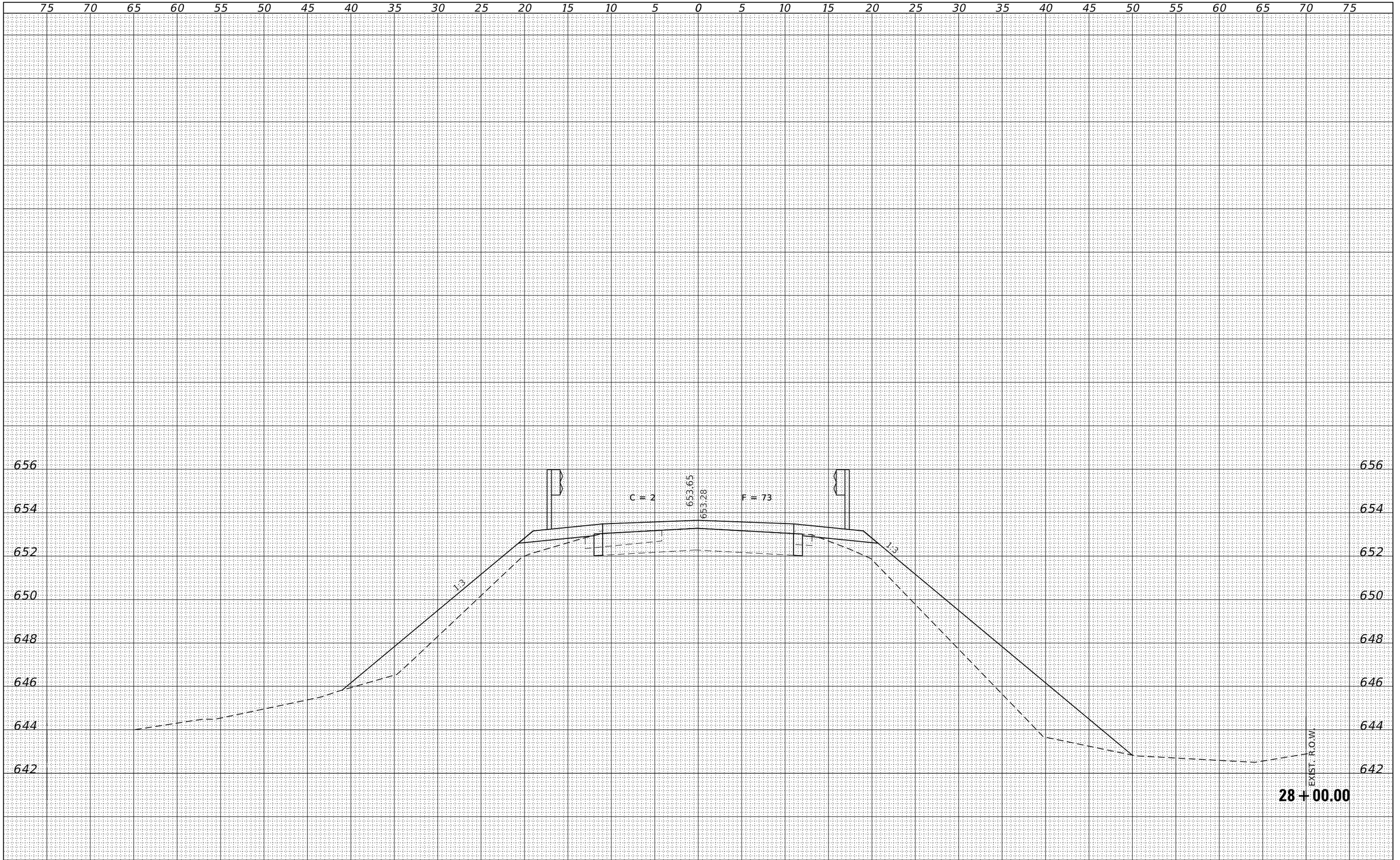
STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 12 OF 24 SHEETS | STA. 27+75.00 TO STA. 27+75.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	53
		CONTRACT NO. 89779		
		ILLINOIS	FED. AID PROJECT ZH0Y(896)	

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



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

FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
PLOT SCALE = $SCALE$		CHECKED - S.W.M.	REVISED -
PLOT DATE = 2/28/2023		DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

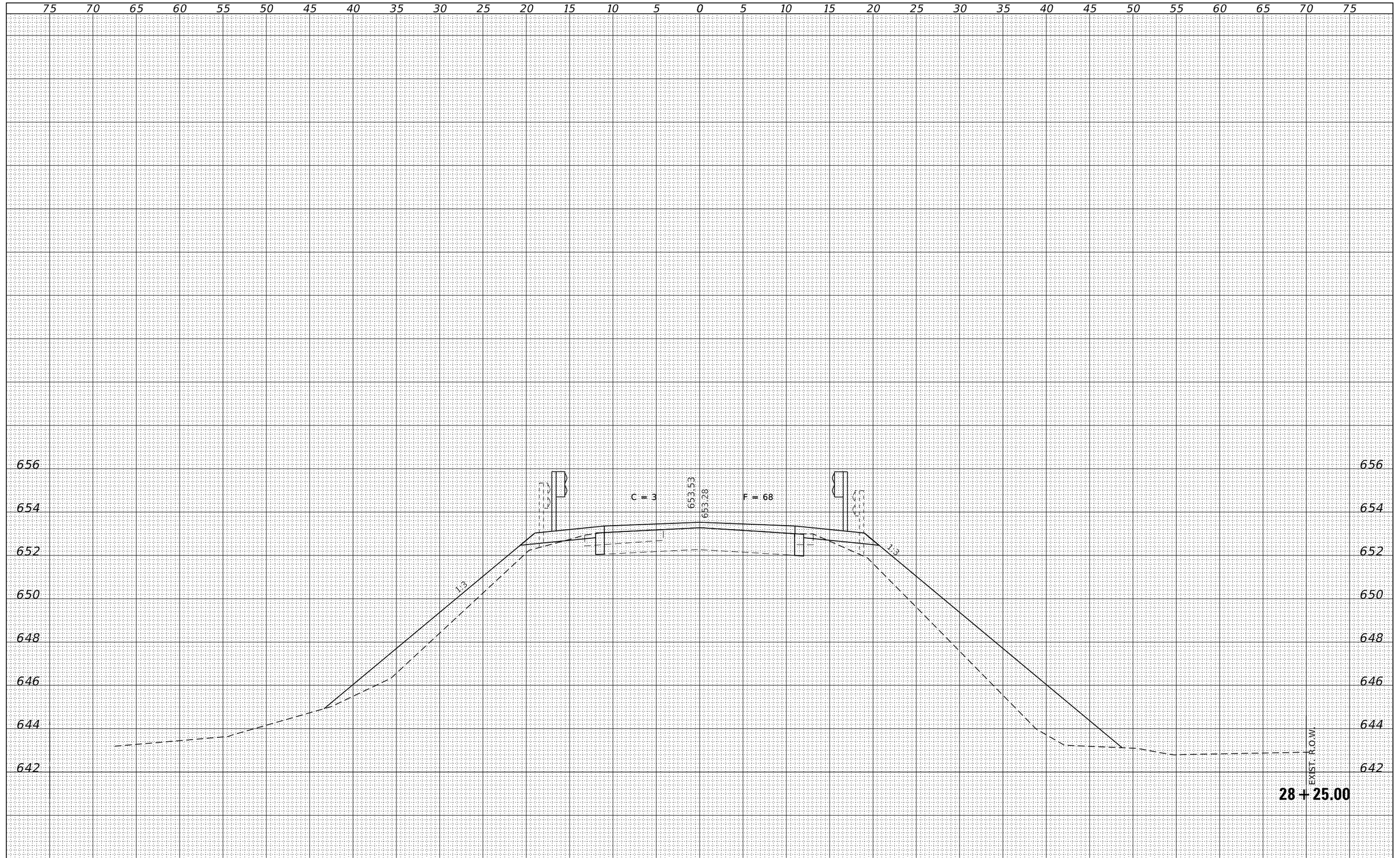
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 13 OF 24 SHEETS | STA. 28+00.00 TO STA. 28+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	54
		CONTRACT NO. 89779		
		ILLINOIS FED. AID PROJECT ZH0Y(896)		

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

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



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - R.D.H.	REVISED -
3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 14 OF 24 SHEETS | STA. 28+25.00 TO STA. 28+25.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	55
		CONTRACT NO. 89779		
		ILLINOIS FED. AID PROJECT ZH0Y(896)		

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

BY	DATE

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

BY	DATE

28 + 59.85 BK NORTH ABUTMENT

AHEAD C = 0 F = 0
BACK C = 2 F = 69

C = 2 653.40 653.21 F = 69

1:3 1:3

EXIST. R.O.W.

28 + 50.00

660 658 656 654 652 650 648 646 644 642

FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 15 OF 24 SHEETS | STA. 28+50.00 TO STA. 28+50.00

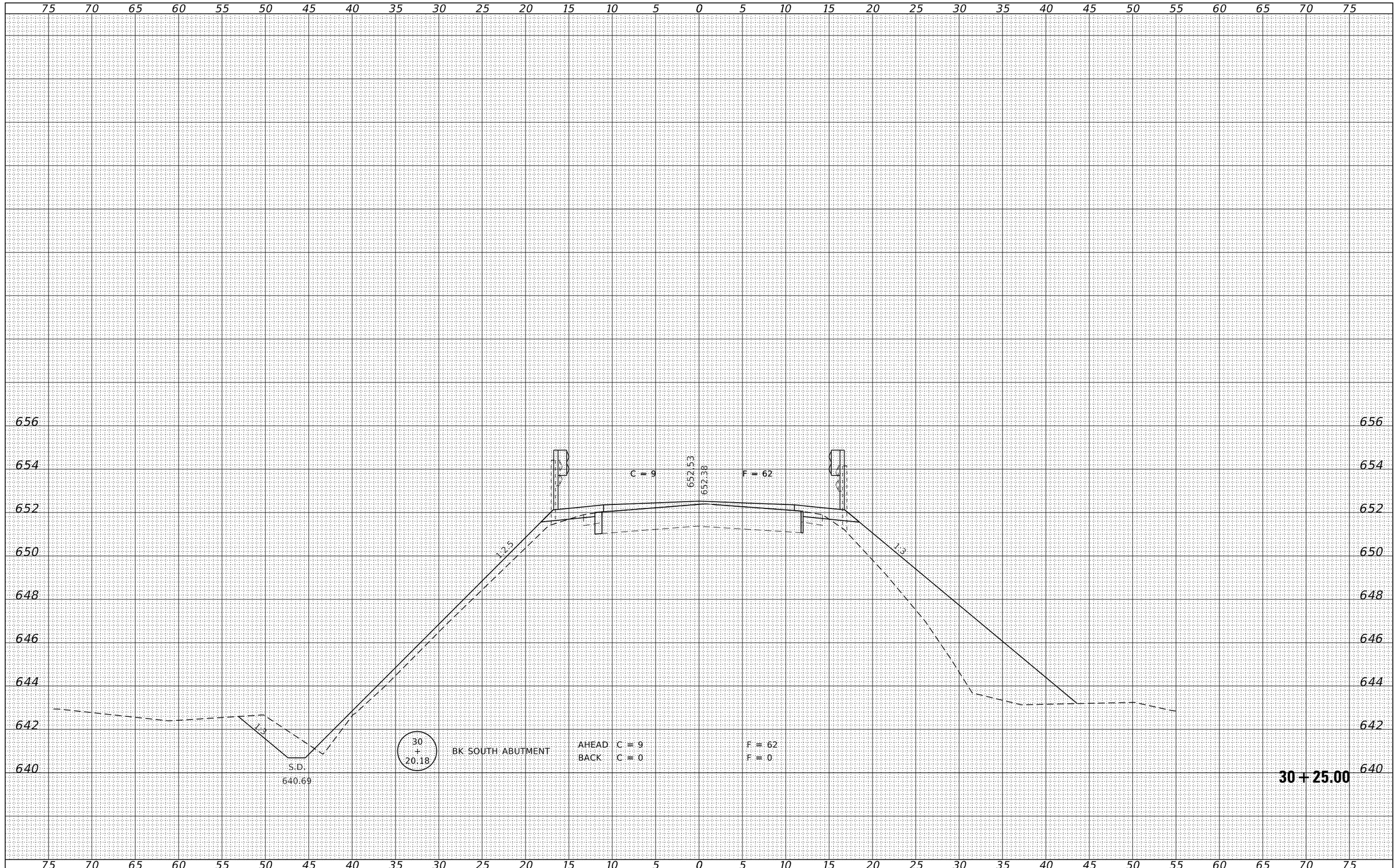
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	56
		CONTRACT NO. 89779		
	ILLINOIS FED. AID PROJECT ZHOY(896)			

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

BY	DATE

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

BY	DATE



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

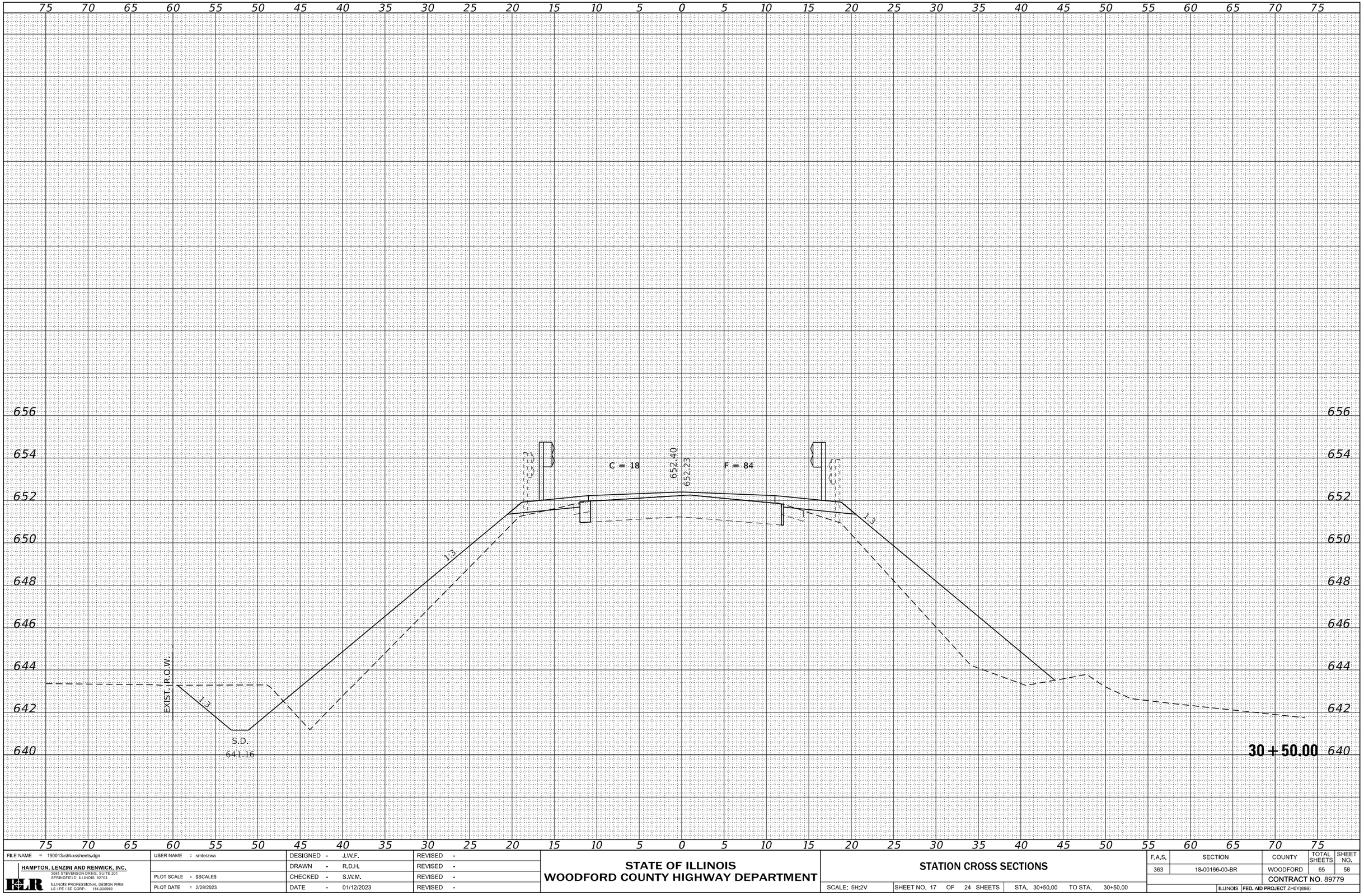
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 16 OF 24 SHEETS | STA. 30+25.00 TO STA. 30+25.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	57
		CONTRACT NO. 89779		
		ILLINOIS	FED. AID PROJECT ZHOY(896)	

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

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



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS WOODFORD COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS
HAMPTON, LENZINI AND RENWICK, INC. 5085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000659		DRAWN - R.D.H.	REVISED -		
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -		
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -		

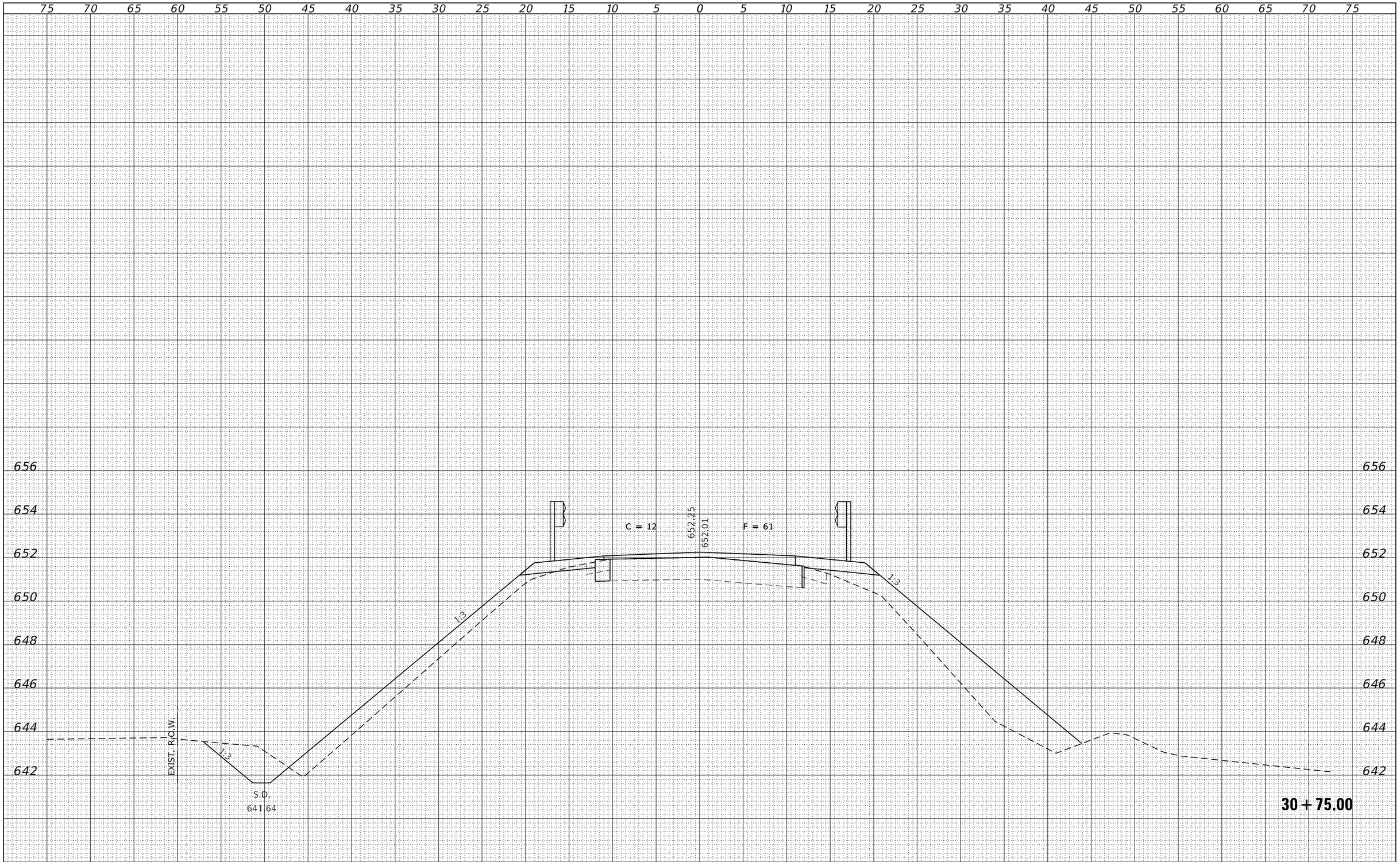
SCALE: 5H:2V | SHEET NO. 17 OF 24 SHEETS | STA. 30+50.00 | TO STA. 30+50.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	58

CONTRACT NO. 89779

ILLINOIS | FED. AID PROJECT ZHOY(896)

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



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

FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - R.D.H.	REVISED -
3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

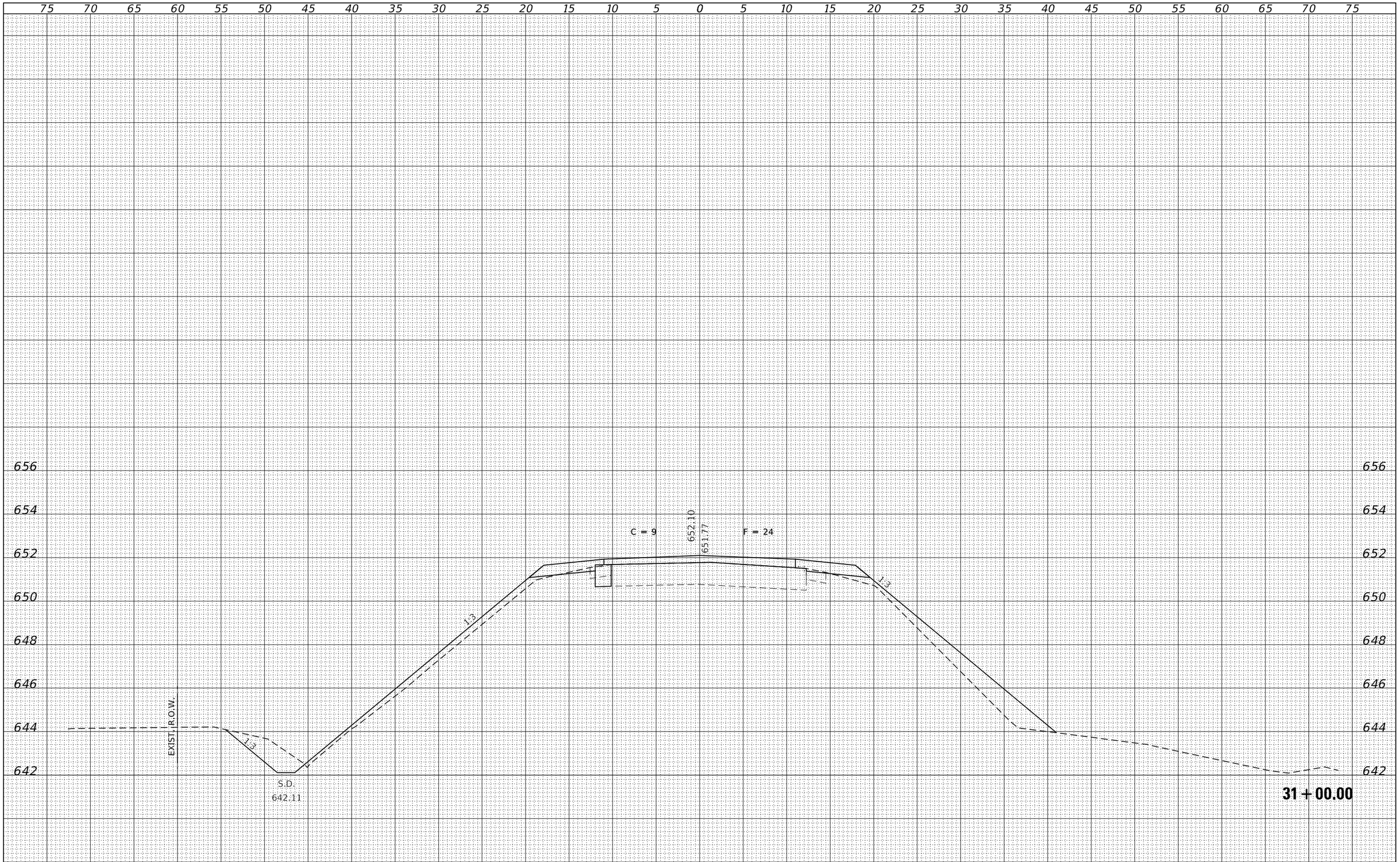
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 18 OF 24 SHEETS | STA. 30+75.00 TO STA. 30+75.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	59
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		

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

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



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

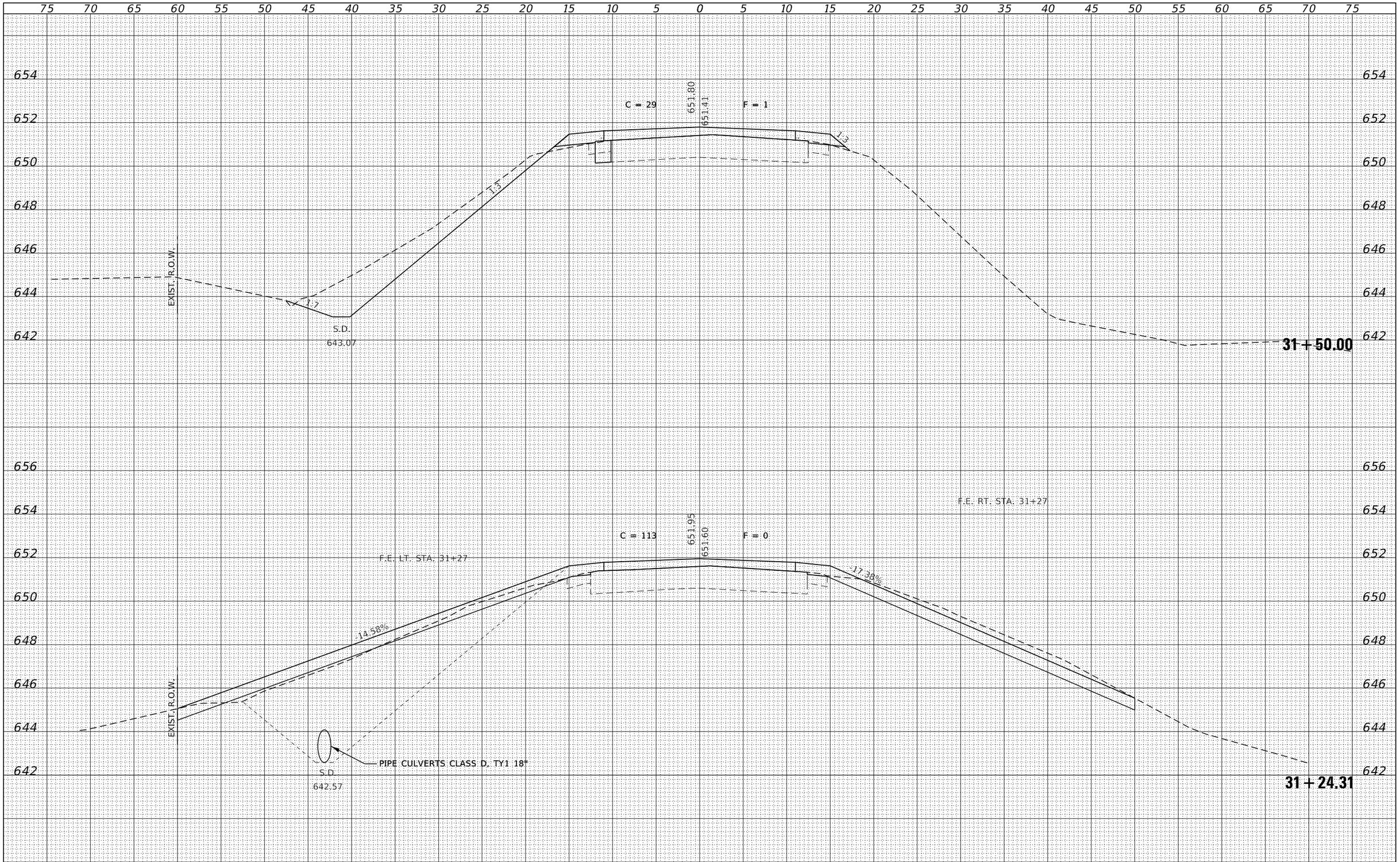
HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 19 OF 24 SHEETS | STA. 31+00.00 TO STA. 31+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	60
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		



FINAL SURVEY

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

ORIGINAL SURVEY

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

FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

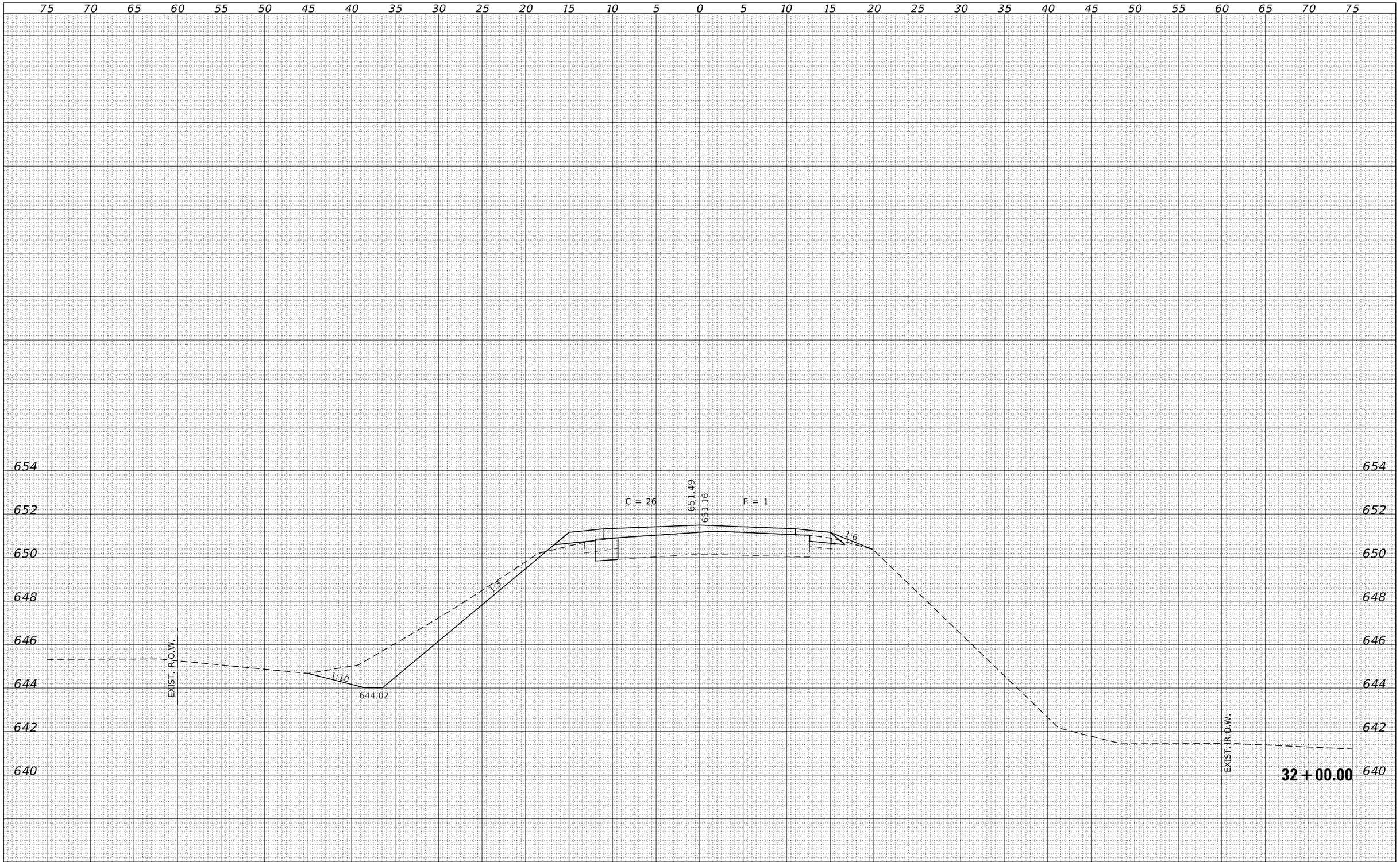
STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 20 OF 24 SHEETS | STA. 31+24.31 TO STA. 31+50.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	61
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		

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



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

FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

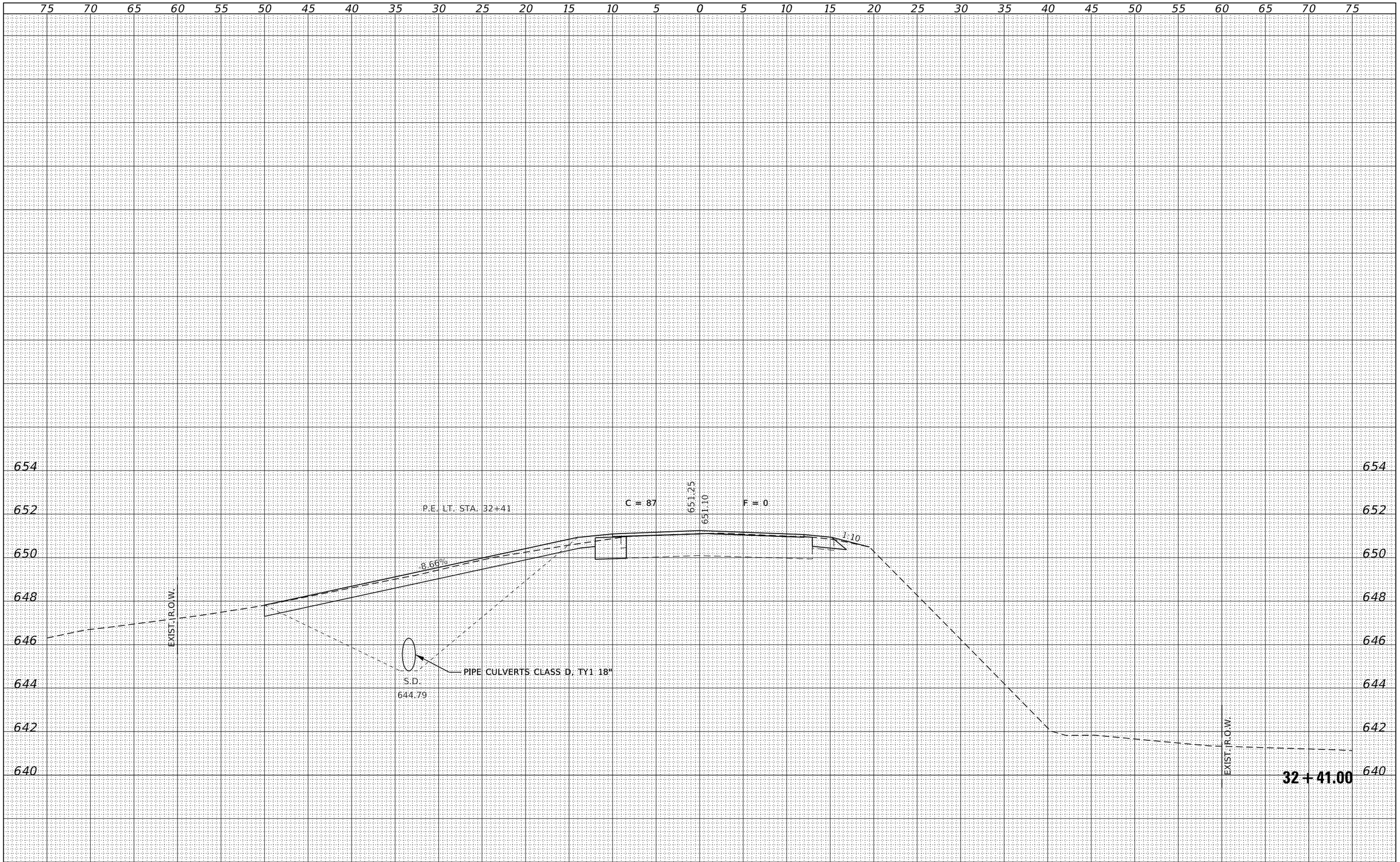
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 21 OF 24 SHEETS | STA. 32+00.00 TO STA. 32+00.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	62
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		

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

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



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
		DRAWN - R.D.H.	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

HAMPTON, LENZINI AND RENWICK, INC.
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORP. 184.000959

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

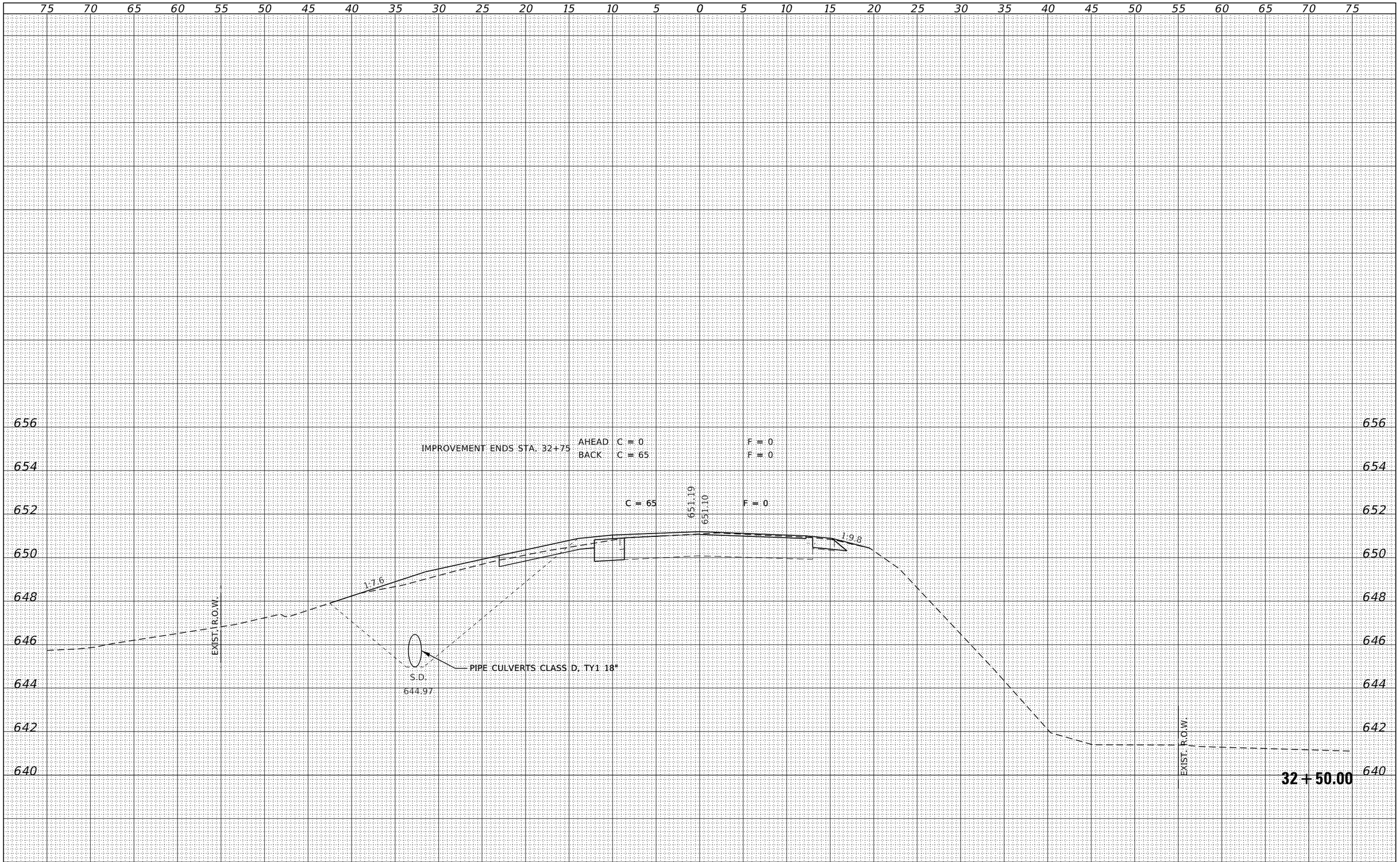
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 22 OF 24 SHEETS | STA. 32+41.00 TO STA. 32+41.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	63
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		

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

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



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - R.D.H.	REVISED -
3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

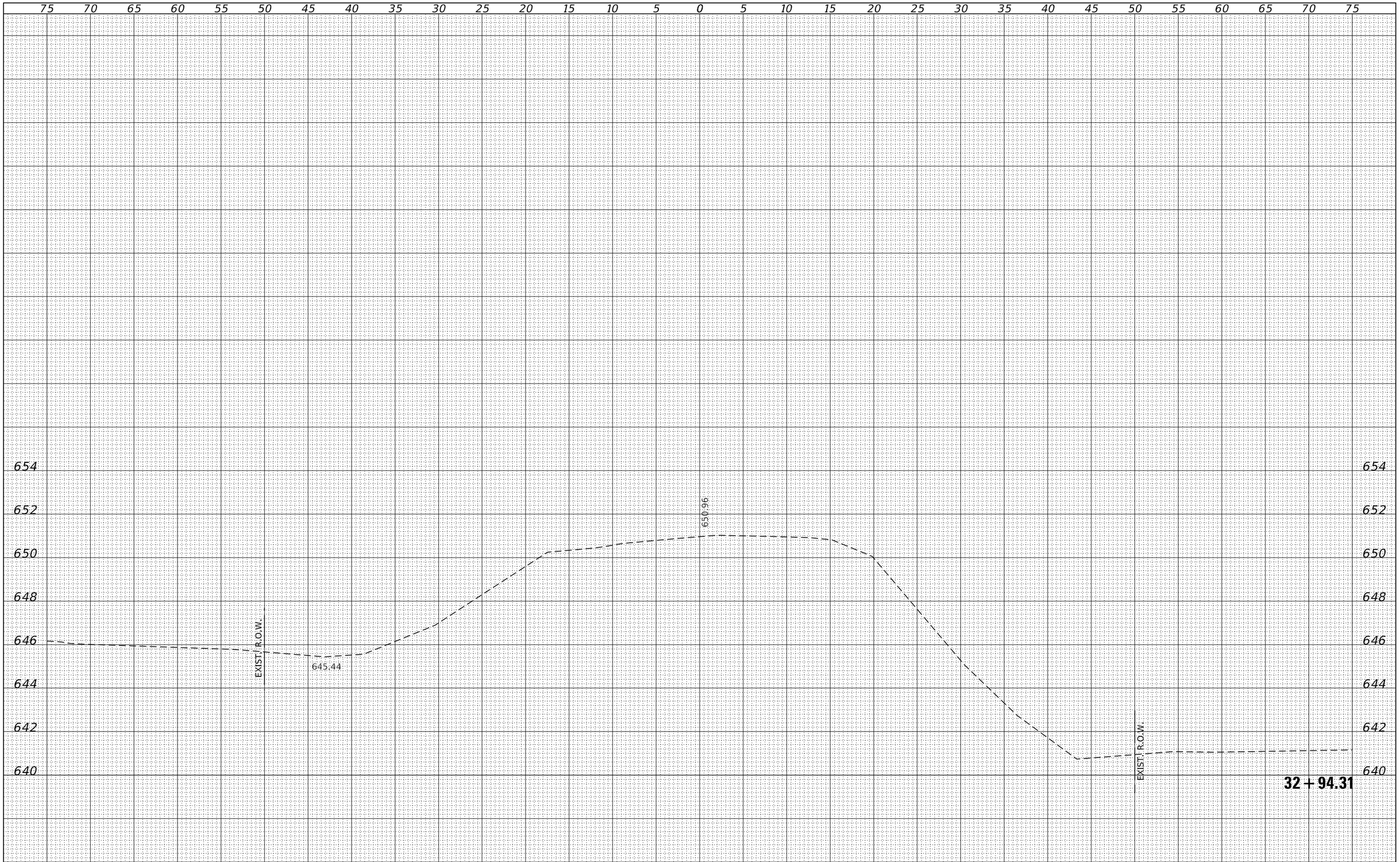
STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 23 OF 24 SHEETS | STA. 32+50.00 TO STA. 32+50.00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	64
		CONTRACT NO. 89779		
		ILLINOIS FED. AID PROJECT ZHOY(896)		

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

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



FILE NAME = 190013-sht-xssheets.dgn	USER NAME = smlerzwa	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - R.D.H.	REVISED -
3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE = $SCALE$	CHECKED - S.W.M.	REVISED -
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT DATE = 2/28/2023	DATE - 01/12/2023	REVISED -

STATE OF ILLINOIS
WOODFORD COUNTY HIGHWAY DEPARTMENT

STATION CROSS SECTIONS

SCALE: 5H:2V | SHEET NO. 24 OF 24 SHEETS | STA. 32+94.31 | TO STA. 32+94.31

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	18-00166-00-BR	WOODFORD	65	65
		CONTRACT NO. 89779		
	ILLINOIS	FED. AID PROJECT ZHOY(896)		