

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	1
		ILLINOIS	CONTRACT NO. 66K94	

INDEX OF SHEETS

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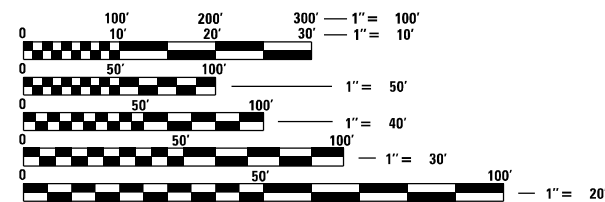
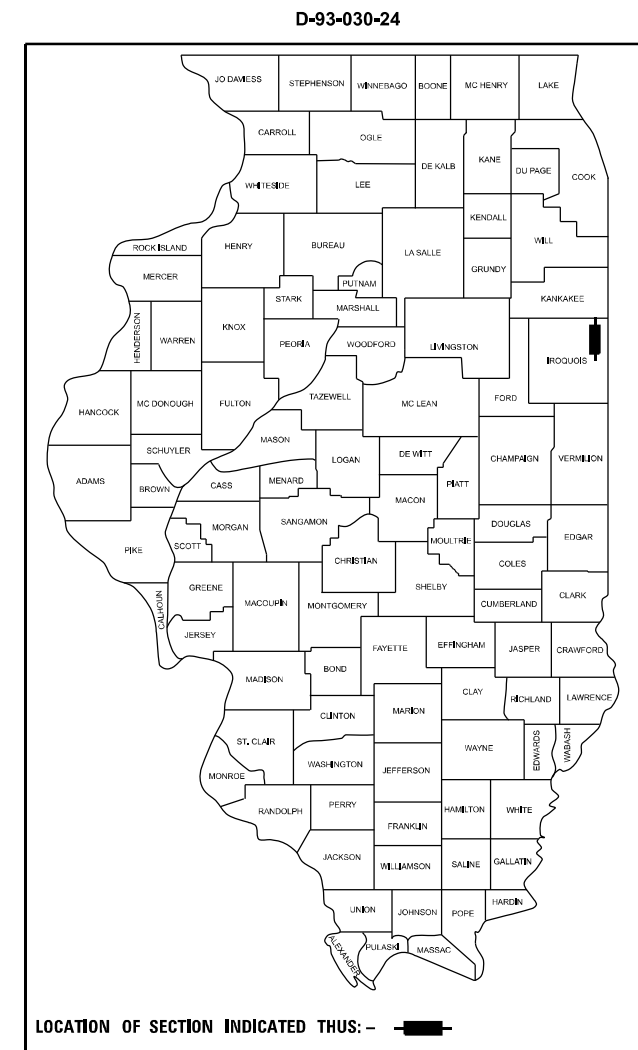
LIST OF ILLINOIS DOT HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420406 PAVEMENT CONNECTOR (HMA) FOR BRIDGE APPROACH SLAB
- 482011-03 HMA SHOULDER STRIPS/SHOULDERS WITH RS OR WIDENING & RS PROJECTS
- 515001-04 NAME PLATE FOR BRIDGES
- 601001-05 PIPE UNDERDRAINS
- 601101-02 CONCRETE HEADWALL FOR PIPE UNDERDRAIN
- 630001-13 STEEL PLATE BEAM GUARDRAIL
- 630201-07 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 631006-08 TRAFFIC BARRIER TERMINAL, TYPE 1B
- 631031-18 TRAFFIC BARRIER TERMINAL, TYPE 6
- 642006-01 SHOULDER RUMBLE STRIPS, 8 INCH
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701321-19 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
- 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701901-10 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER
- 725001-01 OBJECT AND TERMINAL MARKERS
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

**PROPOSED
HIGHWAY PLANS**

**FAP ROUTE 332 (IL 1)
SECTION (4BR-4)BR
PROJECT NHPP NT5I(815)
BRIDGE REPLACEMENT
(SN 038-0017)
IROQUOIS COUNTY**

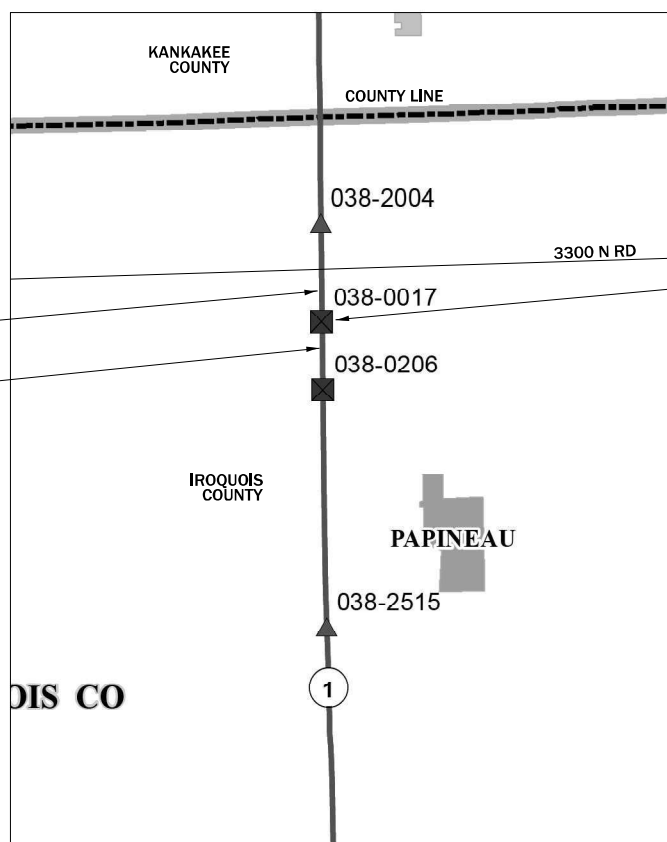
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FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JOE KANNEL, PE
UNIT CHIEF: MOHAMED YOUSIF
DISTRICT 3 NO. (815) 434-6131
CONTRACT NO. 66K94



PROJECT END
STA 623+96.73

PROJECT START
STA 615+05.66

EX SN 038-0017
PROP SN 038-0231
STA 620+25

GROSS LENGTH = 1151 FT. = .22 MILE
NET LENGTH = 1151 FT. = .22 MILE

FUNCTIONAL CLASSIFICATION

IL 1
OTHER PRINCIPAL ARTERIAL
2023 ADT = 1900
PV= 84.2% , SU= 6.3% , MU=9.5%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 18, 2024
Trista Thompson REGIONAL ENGINEER
December 6, 2024
Scott A. Elk ENGINEER OF DESIGN AND ENVIRONMENT
December 6, 2024
James J. Gu DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

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

GRANULAR MATERIALS	2.05	TONS / CU YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
BINDER (HAND METHOD)	0.0005	TONS / SQ YD

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

COMMITMENTS

TREES THREE (3) INCHES IN DIAMETER AT BREAST HEIGHT SHALL NOT BE CLEARED FROM APRIL 1ST THROUGH SEPTEMBER 30TH OF ANY GIVEN YEAR.

HMA MIXTURE REQUIREMENT TABLE

LOCATIONS:	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE(S):	HMA	HMA	HMA SHOULDER	HMA SHOULDER
	BINDER	SURFACE	BOTTOM LIFT(S)	TOP LIFT
BINDER GRADE (PG):	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL 19.0	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE:		MIXTURE C		
MIXTURE WEIGHT:	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN	112.0 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QCQA	QCQA	QCQA	QCQA
SUBLOT SIZE:	N/A	N/A	N/A	N/A
DENSITY TEST METHOD:	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR	CORES/NUCLEAR
MATERIAL TRANSFER DEVICE (REQUIRED):	YES	YES	NO	NO

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE
AS BUILT INFORMATION

SUPERVISING CONSTRUCTION FIELD ENGINEER

RESIDENT ENGINEER / TECHNICIAN

START & END DATES
OF CONSTRUCTION:

INSPECTORS:

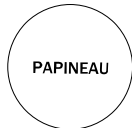
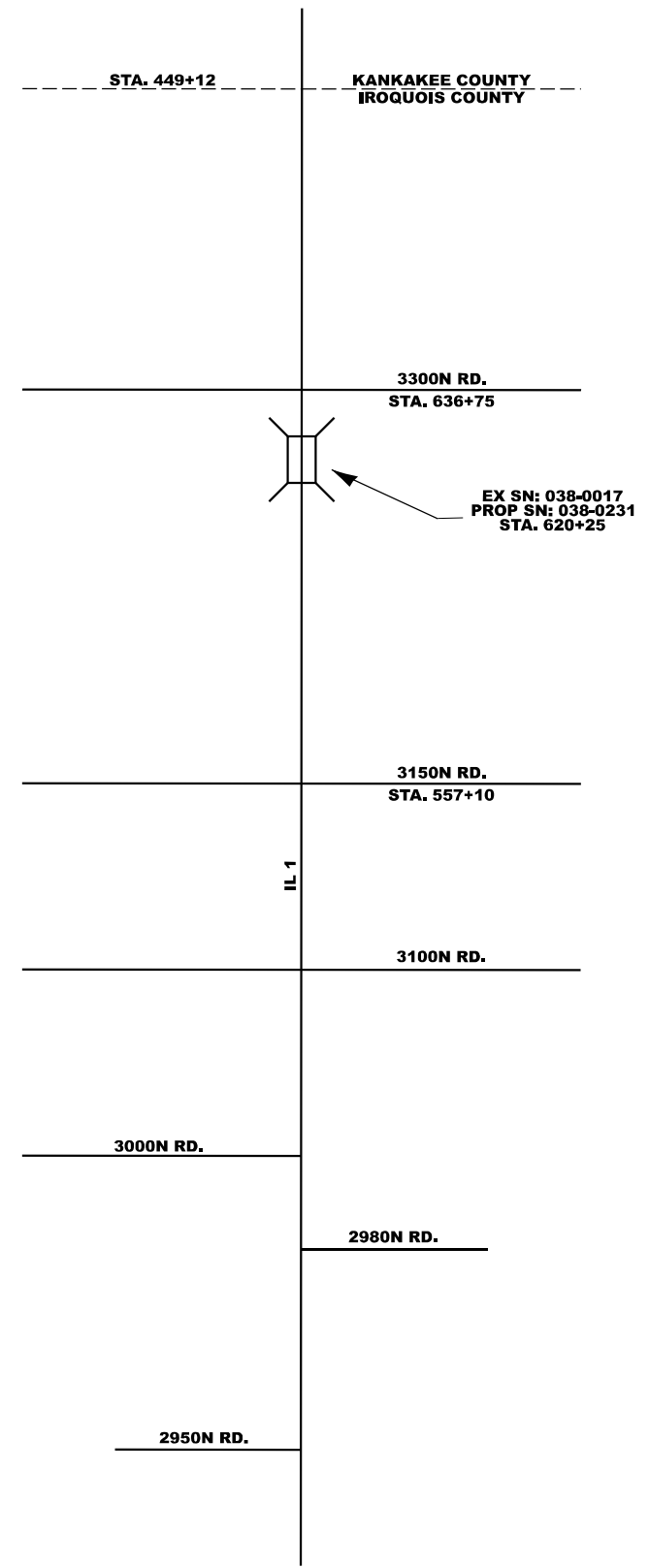
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	2
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LINE DIAGRAM

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66K94	

80% FED
20% STATE

CONSTR. CODE

NHPP

BRIDGE

0010

038-0017

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	355	355
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	57	57
20200100	EARTH EXCAVATION	CU YD	424	424
20400800	FURNISHED EXCAVATION	CU YD	1110	1110
20800150	TRENCH BACKFILL	CU YD	175	175
25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	67.5	67.5
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	67.5	67.5
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	67.5	67.5
25100630	EROSION CONTROL BLANKET	SQ YD	3630	3630
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	75	75
28000305	TEMPORARY DITCH CHECKS	FOOT	100	100
28000400	PERIMETER EROSION BARRIER	FOOT	1500	1500
28100107	STONE RIPRAP, CLASS A4	SQ YD	923	923

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	4
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66K94	

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20% STATE

CONSTR. CODE

NHPP

BRIDGE

0010

038-0017

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
28200200	FILTER FABRIC	SQ YD	923	923
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	51	51
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	51	51
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1641	1641
40600370	LONGITUDINAL JOINT SEALANT	FOOT	2199	2199
40600990	TEMPORARY RAMP	SQ YD	44	44
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	299	299
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	177	177
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	136	136
44000100	PAVEMENT REMOVAL	SQ YD	136	136
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	147	147
48203100	HOT-MIX ASPHALT SHOULDERS	TON	361	361
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50105220	PIPE CULVERT REMOVAL	FOOT	36	36

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 5
			CONTRACT NO. 66K94	
		ILLINOIS FED. AID PROJECT		

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NHPP

BRIDGE

0010

038-0017

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
50200100	STRUCTURE EXCAVATION	CU YD	104	104
50200300	COFFERDAM EXCAVATION	CU YD	210	210
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1	1
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1	1
50300225	CONCRETE STRUCTURES	CU YD	130.3	130.3
50300255	CONCRETE SUPERSTRUCTURE	CU YD	208	208
50300260	BRIDGE DECK GROOVING	SQ YD	520	520
50300265	SEAL COAT CONCRETE	CU YD	149.4	149.4
50300300	PROTECTIVE COAT	SQ YD	675	675
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	94.6	94.6
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	115370	115370
50800515	BAR SPLICERS	EACH	720	720
51201610	FURNISHING STEEL PILES HP12X63	FOOT	990	990
51202305	DRIVING PILES	FOOT	990	990

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SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66K94	

80% FED
20% STATE
CONSTR. CODE
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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0010 038-0017
51203610	TEST PILE STEEL HP12X63	EACH	2	2
51204650	PILE SHOES	EACH	24	24
51500100	NAME PLATES	EACH	1	1
52200010	TEMPORARY SHEET PILING	SQ FT	733	733
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	36	36
58600101	GRANULAR BACKFILL FOR STRUCTURES	CJ YD	50	50
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	34	34
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4	4
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	116	116
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	150	150
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4
63200310	GUARDRAIL REMOVAL	FOOT	650	650
63500105	DELINEATORS	EACH	4	4

*= SPECIALTY ITEM

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SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 7
			CONTRACT NO. 66K94	
ILLINOIS FED. AID PROJECT				

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20% STATE

CONSTR. CODE

NHPP

BRIDGE

0010

038-0017

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	1782	1782
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70300100	SHORT TERM PAVEMENT MARKING	FOOT	130	130
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	43	43
70303120	TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE	FOOT	5200	5200
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1000	1000
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1000	1000

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STATE OF ILLINOIS
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SUMMARY OF QUANTITIES

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0010 038-0017
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	5200	5200
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	650	650
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	5200	5200
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	650	650
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	16	16
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	10	10
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	16	16
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1733	1733
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	2685	2685
X6350204	LINEAR DELINEATOR PANELS, 4 INCH	EACH	10	10
X6350206	LINEAR DELINEATOR PANELS, 6 INCH	EACH	28	28

*= SPECIALTY ITEM

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				0010 038-0017
Z0005216	HOT-MIX ASPHALT STABILIZATION 6" AT STEEL PLATE BEAM GUARD RAIL	SQ YD	194	194
Z0018002	DRAINAGE SCUPPERS, DS-11	EACH	2	2
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	42	42
Z0062456	TEMPORARY PAVEMENT	SQ YD	31	31

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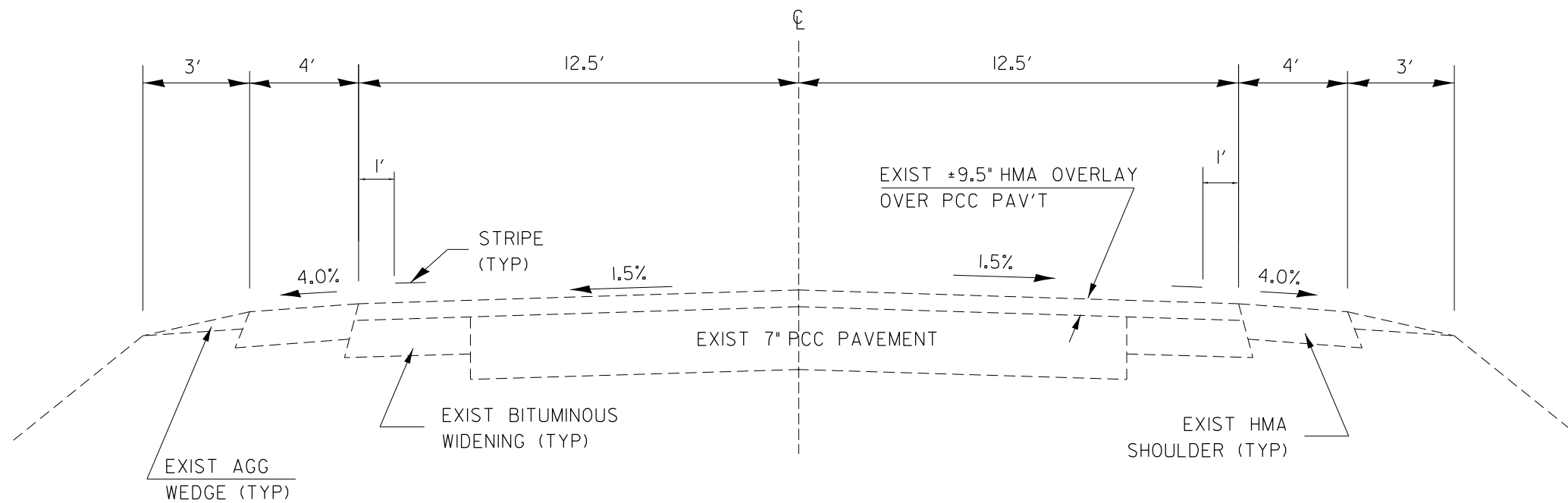
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SUMMARY OF QUANTITIES

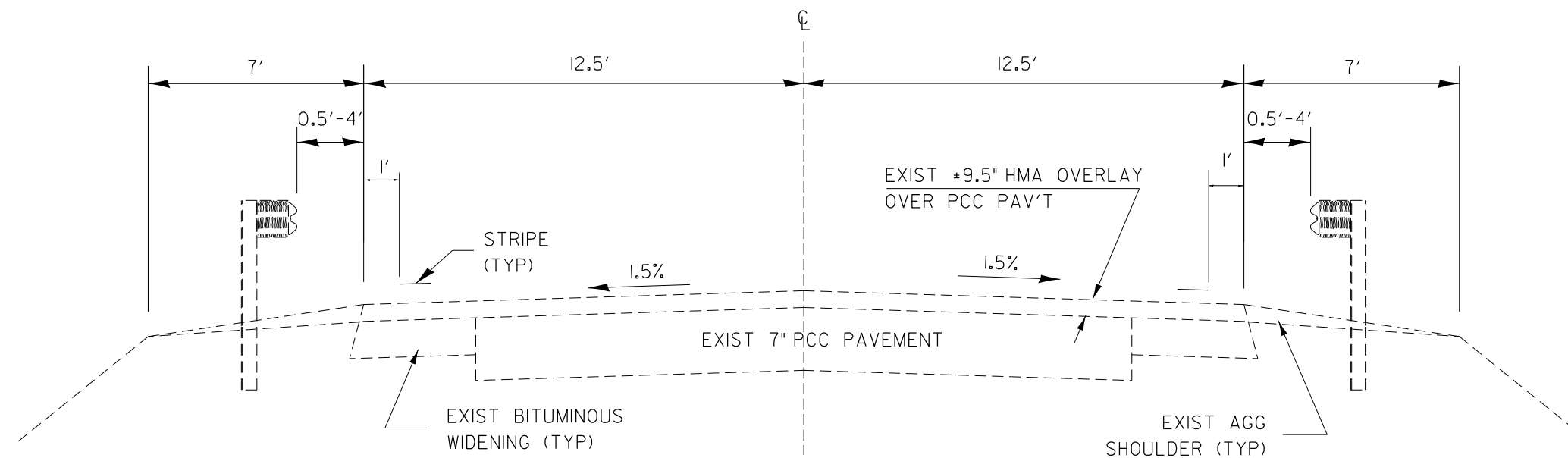
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CONTRACT NO. 66K94			ILLINOIS FED. AID PROJECT	



**TYPICAL SECTION 1
(EXISTING ROADWAY)**

STA 615+05.66 TO STA 618+65
STA 621+90 TO STA 626+56.73



**TYPICAL SECTION 2
(EXISTING ROADWAY W/GR)**

STA 618+65 TO STA 621+90

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DEPARTMENT OF TRANSPORTATION**

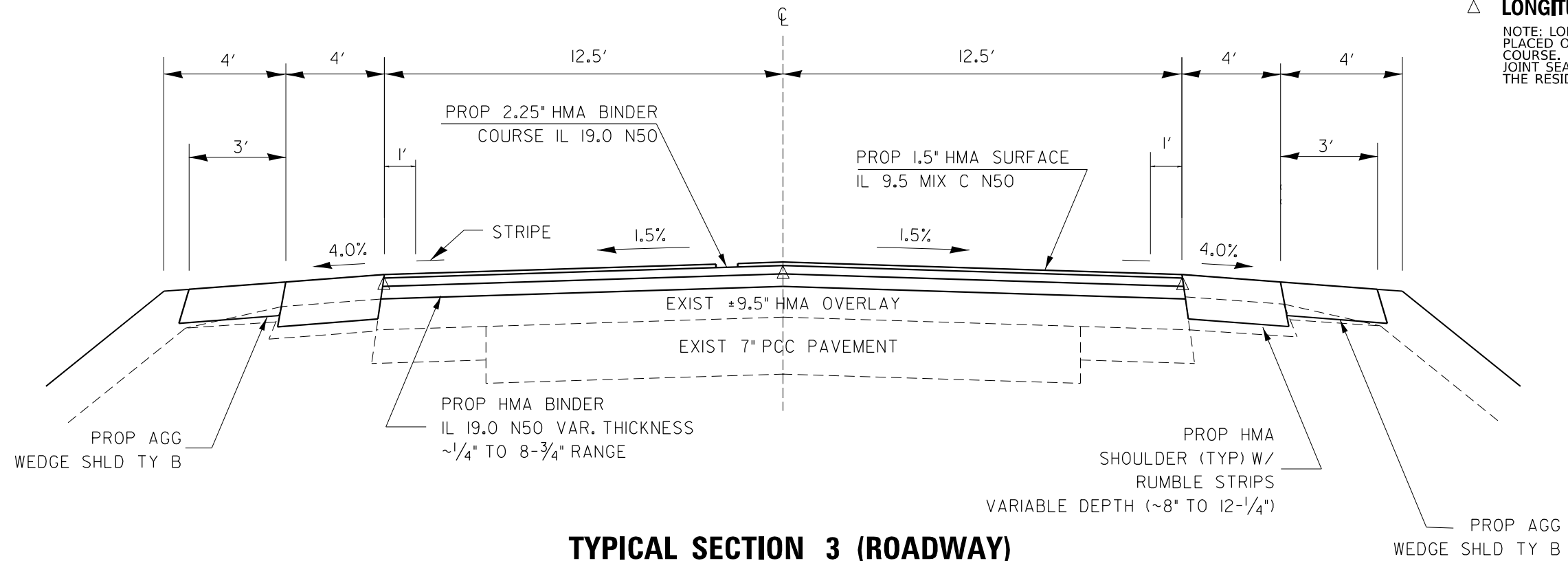
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EXISTING TYPICAL SECTIONS**

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332	(4 BR-4)BR	IROQUOIS	68	11
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

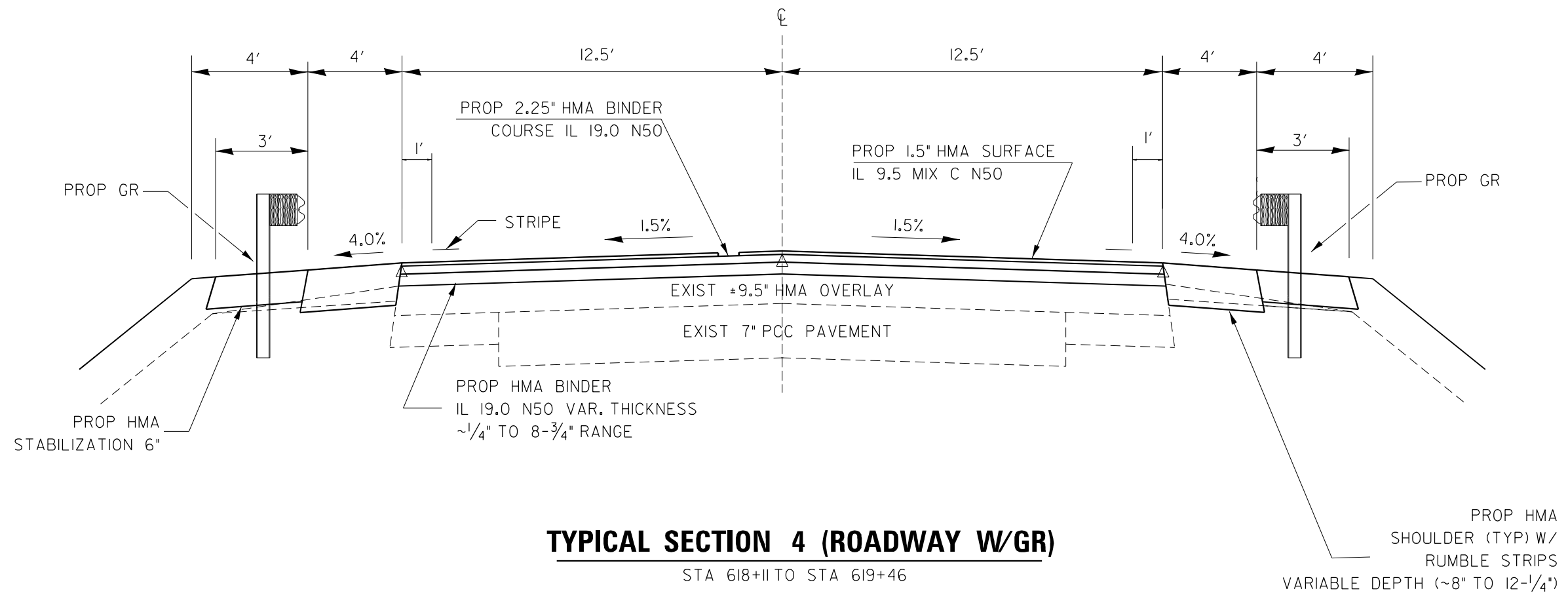
△ **LONGITUDINAL JOINT SEALANT**

NOTE: LONGITUDINAL JOINT SEALANT IS PLACED ON UNDERNEATH THE SURFACE COURSE. FINAL LOCATION OF LONGITUDINAL JOINT SEALANT TO BE DETERMINED BY THE RESIDENT ENGINEER.



TYPICAL SECTION 3 (ROADWAY)

STA 615+05.66 TO STA 618+11



TYPICAL SECTION 4 (ROADWAY W/GR)

STA 618+11 TO STA 619+46

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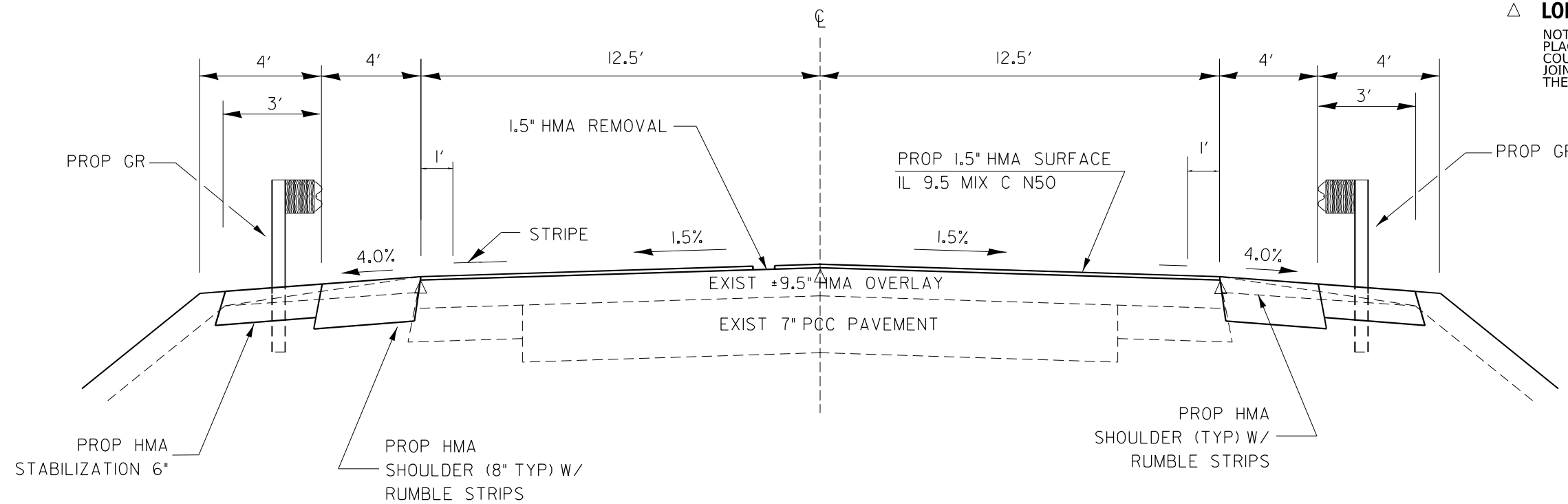
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 1 PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	12
			CONTRACT NO. 66K94	
ILLINOIS FED. AID PROJECT				

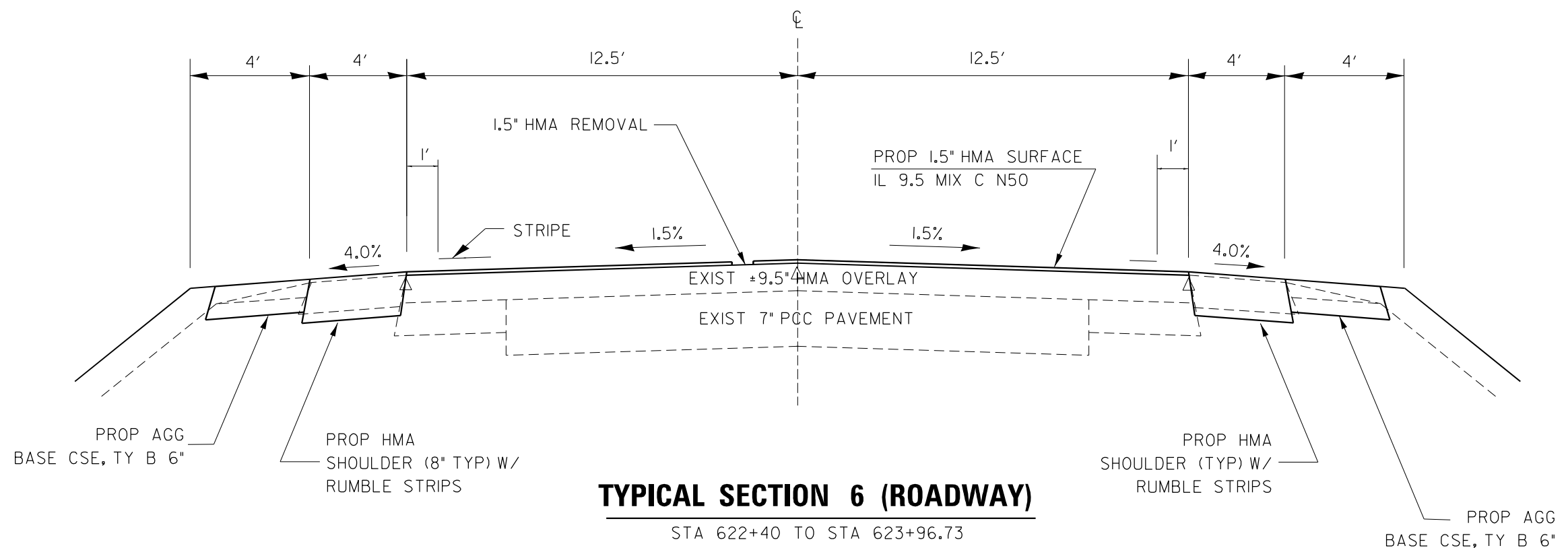
△ LONGITUDINAL JOINT SEALANT

NOTE: LONGITUDINAL JOINT SEALANT IS PLACED ON UNDERNEATH THE SURFACE COURSE. FINAL LOCATION OF LONGITUDINAL JOINT SEALANT TO BE DETERMINED BY THE RESIDENT ENGINEER.



TYPICAL SECTION 5 (ROADWAY W/GR)

STA 621+04 TO STA 622+40



TYPICAL SECTION 6 (ROADWAY)

STA 622+40 TO STA 623+96.73

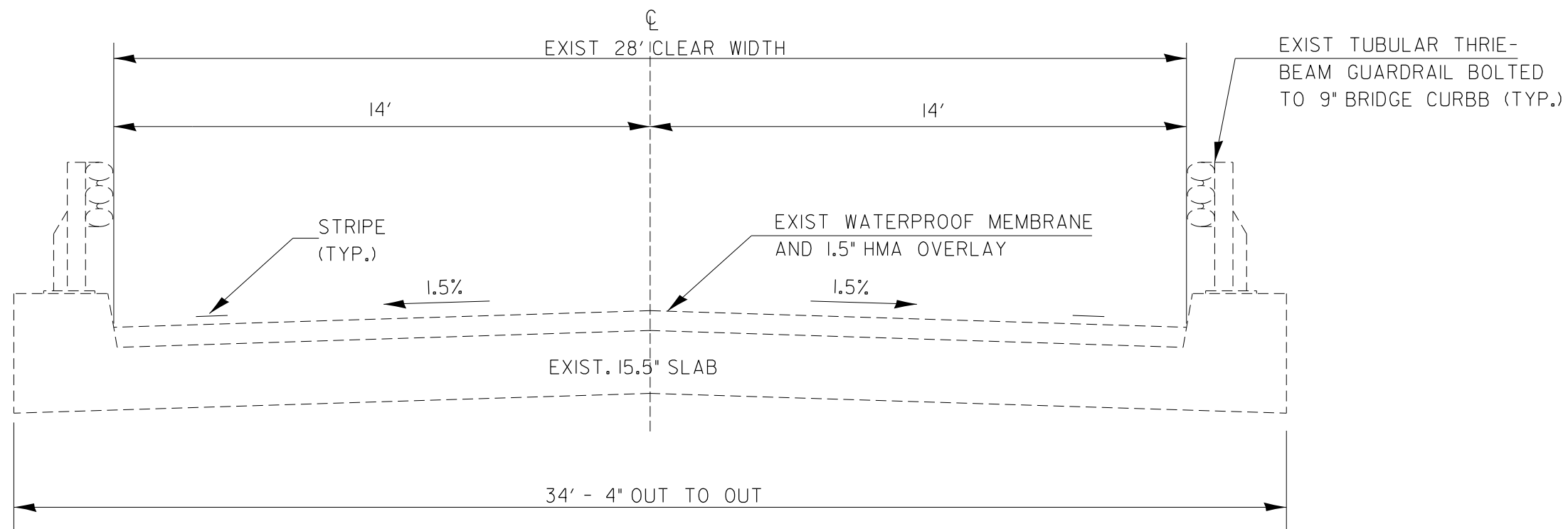
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USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = \$SCALE\$	CHECKED -	REVISED -
PLOT DATE = 9/23/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

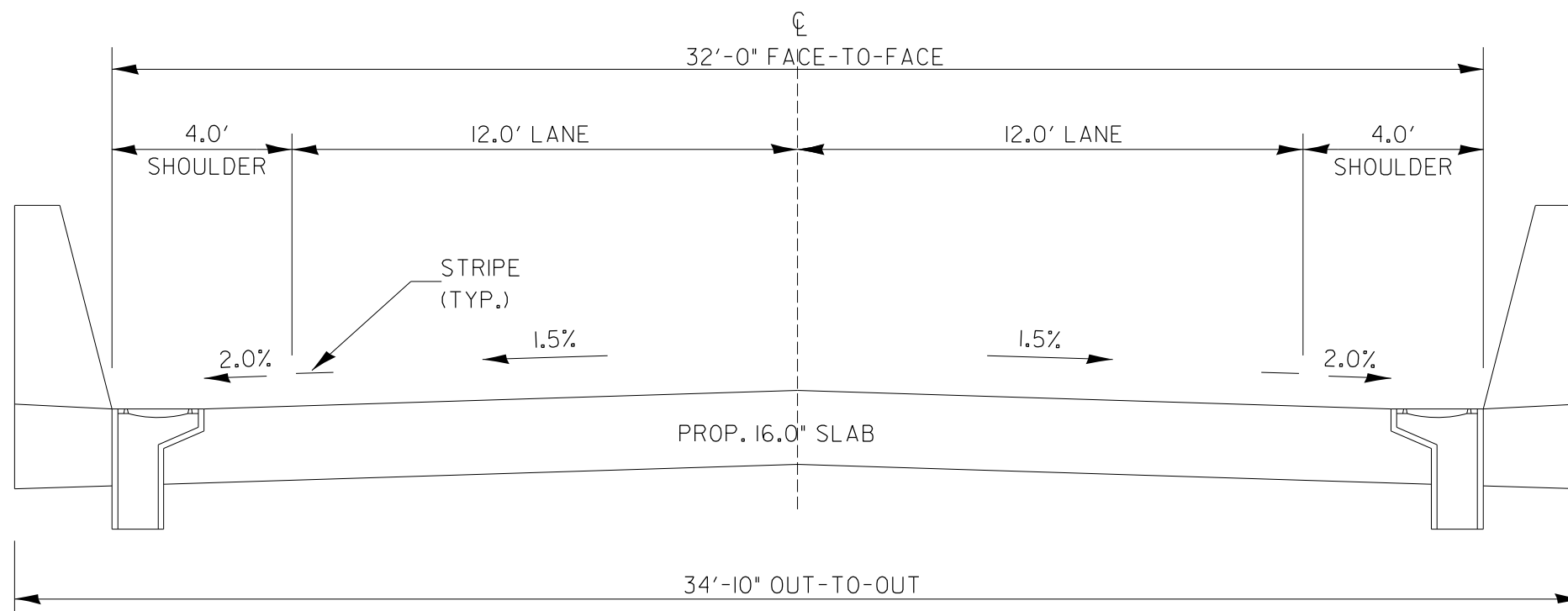
IL ROUTE 1 PROPOSED TYPICAL SECTIONS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	13
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				



EXISTING BRIDGE

(SN 038-0017)



PROPOSED BRIDGE

(SN 038-0231)

MODEL: Default
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PLOT DATE = 9/25/2024	DATE -	REVISED -

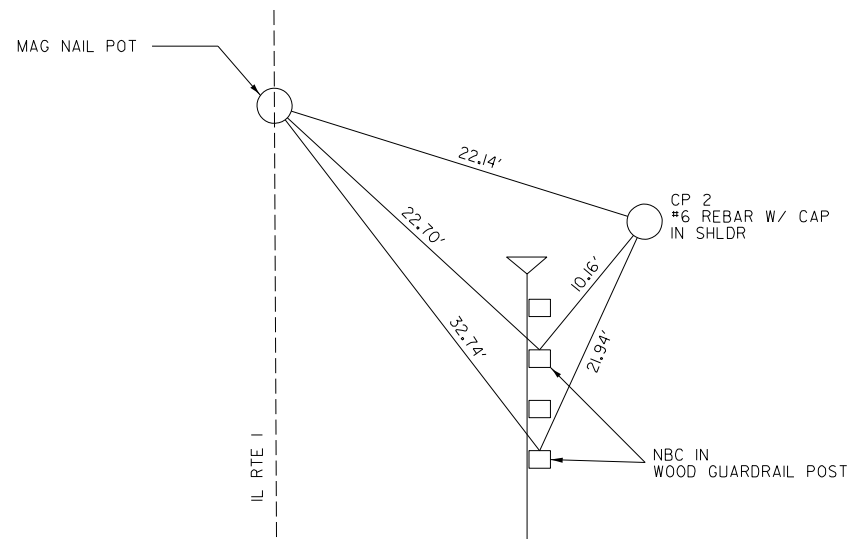
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE TYPICAL SECTIONS

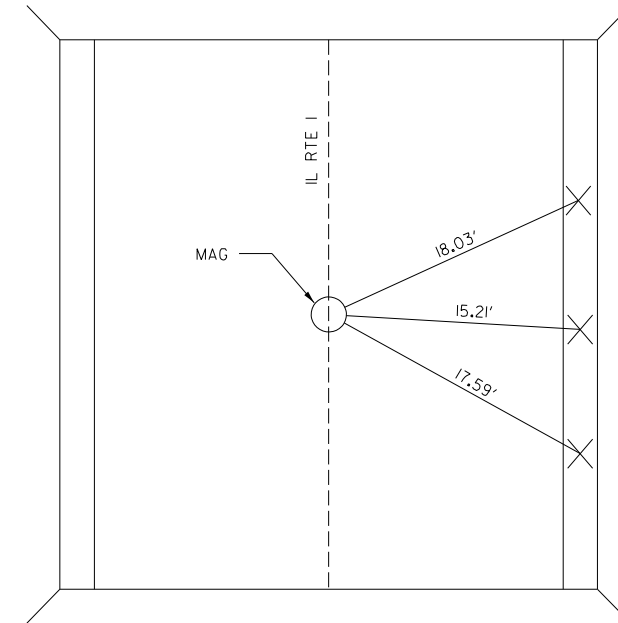
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	14
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

POT STA 603+00.00
CP 2 - STA 602+93.13, 21.26' RT

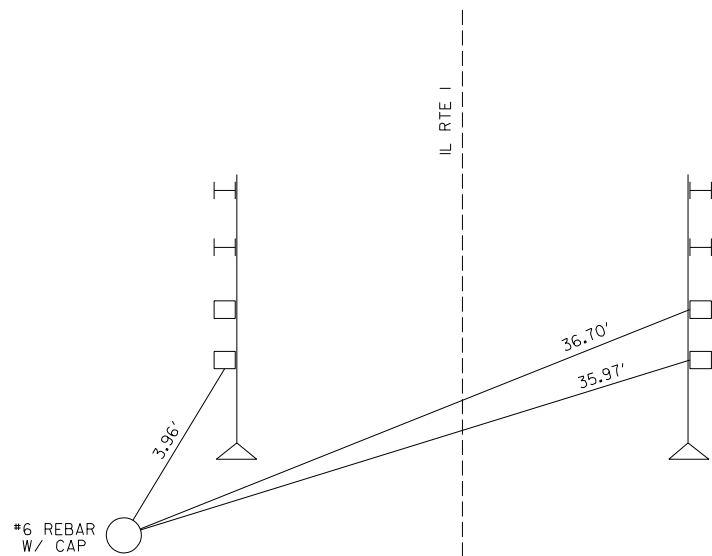


POT STA 620+25.00, C SN 038-0017



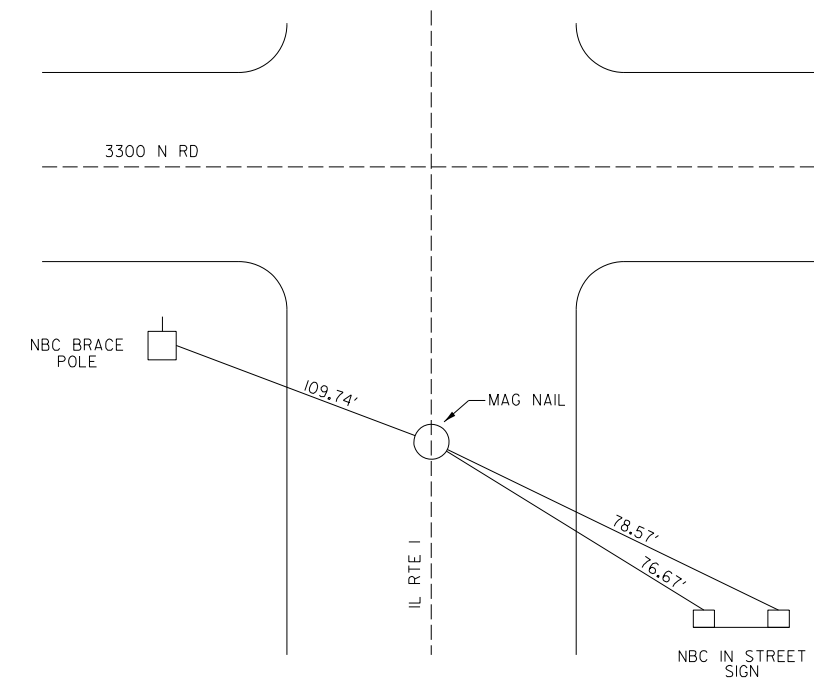
• ALL TIES ARE CUT 'X' ON TOP OF CONCRETE CURB

CP 1 - STA 618+65.05, 18.87' LT



• ALL TIES ARE NBC'S IN WOOD GUARDRAIL POSTS

POT STA 635+50.00

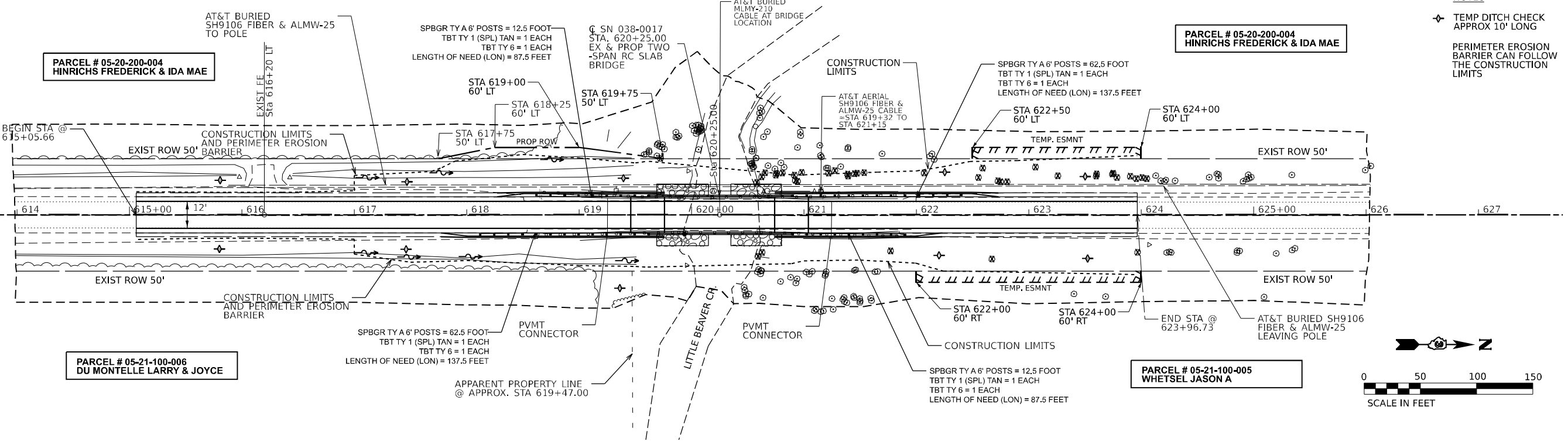


FILE NAME =	USER NAME = Cassandra.Nolesco	DESIGNED -	REVISED -
p:\1\dot-pw.bentley.com\PIWIDOT\Documents\IDOT Offices\District 3\ORD Projects\0366\99\Drawings\CADsheets\66K94 - Typical Sect\REVISED		DRAWN BY - Ken	REVISED -
Default	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = 9/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

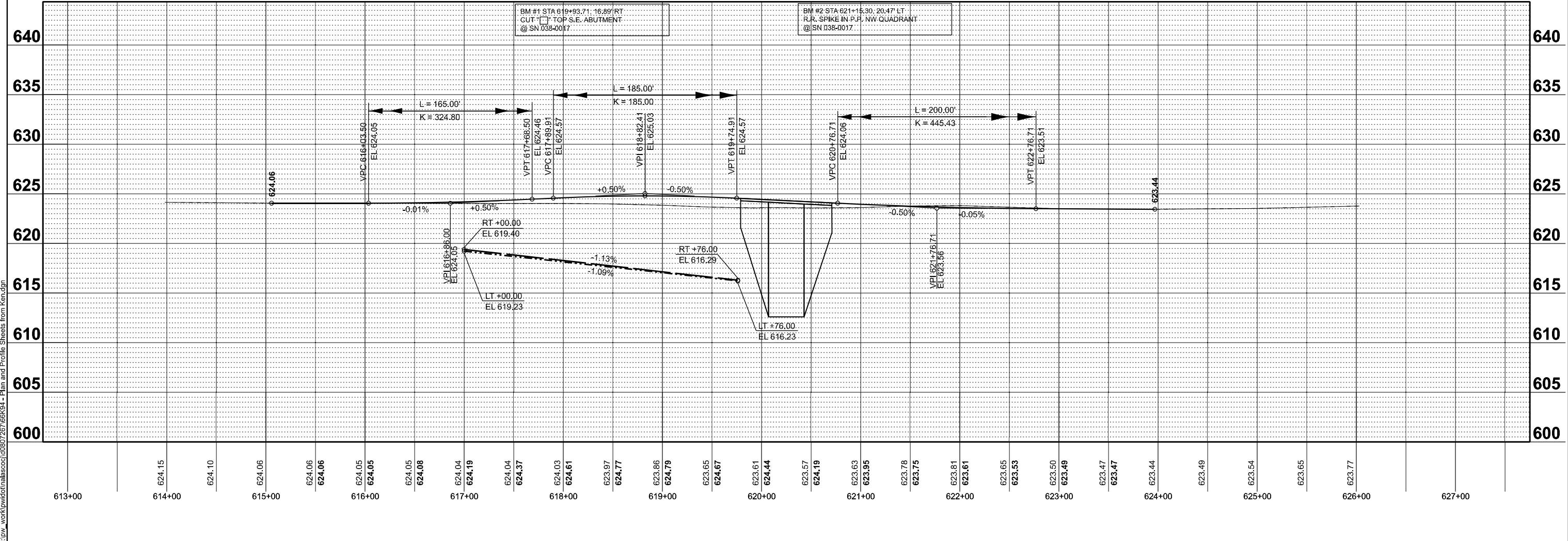
TIE POINTS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	15
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				



NOTES

- TEMP DITCH CHECK APPROX 10' LONG
- PERIMETER EROSION BARRIER CAN FOLLOW THE CONSTRUCTION LIMITS



MODEL: IL 1 Prop Profile - Plan1 (Sheet)
FILE NAME: c:\p\work\road\alascos\0807267\66K94 - Plan and Profile Sheets from Ken.dgn

USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
PLOT SCALE = \$SCALE\$	DRAWN -	REVISED -
PLOT DATE = 10/18/2024	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 1 PLAN AND PROFILE	
SCALE: 1"=50'	SHEET OF SHEETS
STA. 612+75.00 R2	TO STA. 627+75.00 R2

F.A.P. RTE. 332	SECTION (4 BR-1)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 16
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

MAINLINE SCHEDULE															
LOCATION	DESCRIPTION	LANE WIDTH	HMA SHLD WIDTH	LENGTH	HMA SURF REM VAR DEPTH	HMA SURF CSE IL 9.5 MIX C N50 (1.5")	HMA BIND		BIT MATL (TACK COAT)	LJS	HMA SHLD	AGG WEDGE SHLD, TYPE B	EARTH EX	TEMP RAMP	RUMBLE STRIP 8 IN
							CSE IL 19.0 N50 (2.25")	(VARIABLE)							
STATION		FOOT	FOOT	FOOT	SQ YD	TON	TON	TON	POUND	FT	TON	TON	CU YD	SQ YD	FT
NHPP															
STA 615+05.66 TO STA 615+50.00	ADJACENT TO SOUTH APPROACH	25	8	44	161	10			109	132	17	3.4		11	88.0
STA 615+50.00 TO STA 616+00.00		25	8	50	183	12			124	150	20	3.9			100.0
STA 616+00.00 TO STA 616+50.00		25	8	50	183	12			124	150	20	3.9			100.0
STA 616+50.00 TO STA 617+00.00		25	8	50	183	12			124	150	20	3.9			100.0
STA 617+00.00 TO STA 617+50.00		25	8	50	183	14	18	2	124	150	20	3.9			100.0
STA 617+50.00 TO STA 618+00.00		25	8	50	183	12	18	25	124	150	20	3.9			100.0
STA 618+00.00 TO STA 618+50.00		25	8	50	183	12	18	45	124	150	23	0.4			100.0
STA 618+50.00 TO STA 619+00.00		25	8	50	183	12	18	58	124	150	40	0.4			100.0
STA 619+00.00 TO STA 619+46.00		25	8	46	169	11	16	63	114	138	40			11	92.0
STA 619+46.00 TO STA 621+04.00	BRIDGE 038-0017/0231	28		158				OMISSION							316.0
SIA 621+04.00 TO SIA 621+50.00	ADJACENT TO NORTH APPROACH	25	8	46	169	11	16	2	86	138	30			11	92.0
STA 621+50.00 TO STA 622+00.00		25	8	50	183	12			94	150	32	1.1	5		100.0
STA 622+00.00 TO STA 622+50.00		25	8	50	183	12			94	150	20	13.7	37		100.0
STA 622+50.00 TO STA 623+00.00		25	8	50	183	12			94	150	20	25.1	25		100.0
STA 623+00.00 TO STA 623+50.00		25	8	50	183	12			94	150	20	36.4	5		100.0
STA 623+50.00 TO STA 623+96.73		25	8	47	173	11			88	141	19	47.1	3	11	94.0
TOTAL				891	2685	177		299	1641	2199	361	147	76	44	1782

A POSITIVE ELEVATION CHANGE IN THE PROFILE WILL CONSIST OF HMA ON TOP OF THE EXISTING HMA
HMA SURFACE REMOVAL, VARIABLE DEPTH IS FOR THE LANES AND SHOULDERS
EARTH EX IS THE EXCAVATION FOR THE NEW SHOULDER BEYOND HMA SURF REM VARIABLE DEPTH
HMA SHLD MINIMUM DEPTH IS 8" THROUGHOUT. THERE IS EXTRA QUANTITY WHERE NEEDED, INCLUDING REPLACING THE TEMPORARY PAVEMENT.
NO AGG SHLD NEEDED IN NEW GUARDRAIL LIMITS

PRE-STAGE SHLD SCHEDULE							
LOCATION	STRUCTURE NO.	DESCRIPTION	LENGTH	WIDTH	EARTH EX	TEMP PAVEMENT	
STATION			FOOT	FOOT	CU YD	SQ YD	
NHPP							
STA 618+55.00 TO STA 619+46.00	038-0017 / 038-0231	SOUTH OF BRIDGE	91	1.5	40	15	
STA 619+46.00 TO STA 621+04.00		BRIDGE (INCL APPROACHES)	158		OMISSION		
STA 621+04.00 TO STA 622+00.00		NORTH OF BRIDGE	96	1.5	43	16	
TOTAL			345		83	31	

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USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
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PLOT DATE = 9/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	17
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

GUARDRAIL SCHEDULE												
LOCATION	SN	TRAFFIC DIRECTION	SIDE	LENGTH OF NEED	GUARDRAIL REM	STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FT POSTS	TBT TYPE 1 (SPL) TANGENT	TBT TY 6	GUARDRAIL REFLECTORS, TYPE A	HMA STABILIZATION 6" AT STEEL PLATE BEAM GUARDRAIL	TERMINAL MARKER DIRECT APPLIED	LINEAR DELINEATOR PANELS 4 INCH
				FOOT	FOOT	FOOT	EACH	EACH	EACH	SQ YD	EACH	EACH
STA 618+11.0 TO STA 619+61.0	038-0017 / 038-0231	NB	RT	137.50	160.0	62.5	1	1	3	58	1	3
STA 618+61.0 TO STA 619+61.0		SB	LT	87.50	160.0	12.5	1	1	2	39	1	2
STA 620+90.0 TO STA 621+90.0		NB	RT	87.50	165.0	12.5	1	1	2	39	1	2
STA 620+90.0 TO STA 622+40.0		SB	LT	137.50	165.0	62.5	1	1	3	58	1	3
TOTAL					650.0	150.0	4	4	10	194	4	10

PAVEMENT MARKING SCHEDULE									
LOCATION	COMMENT	LENGTH	MODIFIED URETHENE PM 2 APPLICATIONS		GROOVING FOR RECESSED PM		RRPM	RRPM REM	
			LINE 4 IN WHITE	LINE 6 IN YELLOW	5 IN	7 IN			
STATION		FOOT	FOOT	FOOT	FOOT	FOOT	EA	EA	
NHPP									
STA 613+75.00 TO STA 626+75.00	PASSING	1300	5200	650	5200	650	16	16	
TOTAL		1300	5200	650	5200	650	16	16	

SHORT TERM PAVEMENT MARKING SCHEDULE					
LOCATION	COMMENT	LENGTH	SHORT TERM PM	SHORT TERM PM	
STATION		FOOT	FOOT	SQ FT	
NHPP					
STA 613+75.00 TO STA 626+75.00	PASSING	1300	130	43	
TOTAL		1300	130	43	

TEMP PAVEMENT MARKING SCHEDULE				
LOCATION	COMMENT	LENGTH	PM REM WATER BLASTING	TEMP PM MODIFIED URETHANE 4" WHITE LINE
STATION		FOOT	SQ FT	FOOT
NHPP				
STA 613+75.00 TO STA 626+75.00	PASSING	1300	1733	5200
TOTAL			1733	5200

FIELD ENTRANCE SCHEDULE												
LOCATION	TYPE	DESCRIPTION	WIDTH	LENGTH	AGG FOR TEMP ACCESS	PIPE CULVS, CL D, TY 1 18"	PIPE CULV REMOVAL	TRENCH BACKFILL	AGG SURF CSE, TY B	DELINEATORS	EARTH EX	
STATION			FOOT	FOOT	TON	FOOT	FOOT	CU YD	TON	EACH	CU YD	
NHPP												
STA 613+00.00	TEMPORARY	CONSTRUCT TEMP FE & CULVERT	40	25	50.9	18	18	86		2	86	
STA 616+20.00	PERMANENT	REPLACE CULV, RECONSTRUCT ENTRANCE	40	25		18	18	86	50.9	2	86	
TOTAL				50	51	36	36	175	51	4	175	

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	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 18
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

TREE REM SCHEDULE

LOCATION			TREE REMOVAL		COMMENT
			(6 TO 15 UNITS DIA)	(OVER 15 UNITS DIA)	
STATION	OFFSET		UNIT	UNIT	
	FT	SIDE			
NHPP					
619+72.45	50.4	LT	10		CLOSE PROXIMITY TO CONSTRUCTION LIMITS & WITHIN PROPOSED ROW.
620+57.73	28.8	LT	10		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
620+59.17	36.8	RT	12		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
620+62.47	33.9	LT	15		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
620+62.77	33.4	RT	15		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
620+65.47	37.5	LT	10		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
620+75.03	35.3	LT	10		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
620+75.54	36.9	LT	10		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
620+80.76	37.3	LT	7		CLOSE PROXIMITY TO CONSTRUCTION LIMITS & WITHIN PROPOSED ROW.
620+91.51	35.3	LT	6		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
620+92.34	30.8	LT	12		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
620+94.37	29.9	LT	12		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
620+97.94	37.7	LT	7		CLOSE PROXIMITY TO CONSTRUCTION LIMITS & WITHIN PROPOSED ROW.
621+21.96	37.1	LT	12		CLOSE PROXIMITY TO CONSTRUCTION LIMITS & WITHIN PROPOSED ROW.
621+27.53	39.4	LT	12		CLOSE PROXIMITY TO CONSTRUCTION LIMITS & WITHIN PROPOSED ROW.
621+38.91	36.3	LT	12		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
621+39.38	34.5	LT	15		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
621+44.94	36.6	LT	12		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
621+47.30	37.1	LT		18	WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
621+53.61	37.6	LT	15		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
621+77.14	32.1	LT	10		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
622+06.92	37.3	LT	8		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
622+55.18	33.3	LT	7		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
622+59.01	41.7	LT	8		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
622+67.27	39.2	RT	6		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
622+72.69	30.3	LT	7		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
622+75.05	29.4	LT	10		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
622+80.72	29.4	LT	10		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
623+05.93	42.5	LT	8		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
623+25.92	34.8	LT		18	WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
623+59.94	34.5	LT	15		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
623+60.36	36.5	LT	6		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
623+74.39	36.4	LT	6		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
623+75.11	37	LT	6		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
623+78.50	33.3	LT	12		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
623+90.34	34.4	LT		21	WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
623+95.61	32.2	LT	7		WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.
624+00.73	33.2	LT	7		CLOSE PROXIMITY TO CONSTRUCTION LIMITS & WITHIN PROPOSED ROW.
624+04.95	32.3	LT	8		CLOSE PROXIMITY TO CONSTRUCTION LIMITS & WITHIN PROPOSED ROW.
TOTAL			355	57	WITHIN LIMITS OF CONSTRUCTION & EXISTING ROW.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REM SCHEDULE SHALL BE REMOVED.
 THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO THEIR OPERATIONS.

MODEL: Default
 FILE NAME: c:\pwworking\hinalasco\0607267\0368694-sh-tree-schedule.dgn

USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
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PLOT DATE = 9/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	19
CONTRACT NO. 66K94				
ILLINOIS		FED. AID PROJECT		

EARTH & SEEDING SCHEDULE

LOCATION	LENGTH	EARTH EXCAVATION		EMBANKMENT VOLUME	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	EROSION CONTROL BLANKET	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	TEMP EROSION CONTROL SEEDING (100 LB/ACRE)	TEMP DITCH CHECKS	PERIMETER EROSION BARRIER
		EARTH EX	ADJ FOR SHRINKAGE										
		FT	CU YD										
STA 615+50 TO 616+00	50.0	2.2	1.7	2.2	-0.6	17	0.004	0.36	0.36	0.36	0.4	20	100
STA 616+00 TO 616+50	50.0	1.5	1.1	1.7	-0.6	17	0.004	0.36	0.36	0.36	0.4		100
STA 616+50 TO 617+00	50.0	0.7	0.5	2.0	-1.5	17	0.004	0.36	0.36	0.36	0.4		100
STA 617+00 TO 617+50	50.0	12.8	9.6	5.2	4.4	194	0.040	3.60	3.60	3.60	4.0		100
STA 617+50 TO 618+00	50.0	4.3	3.2	14.6	-11.4	256	0.053	4.77	4.77	4.77	5.3	20	100
STA 618+00 TO 618+50	50.0	11.5	8.6	39.3	-30.7	328	0.068	6.12	6.12	6.12	6.8		100
STA 618+50 TO 619+00	50.0	36.7	27.5	97.6	-70.1	356	0.074	6.66	6.66	6.66	7.4		100
STA 619+00 TO 619+50	50.0	10.2	7.7	143.0	-135.4	356	0.074	6.66	6.66	6.66	7.4		100
STA 619+50 TO 620+00	50.0	0.7	0.5	161.9	-161.4	339	0.070	6.30	6.30	6.30	7.0	20	100
STA 621+00 TO 621+50	50.0			62.0	-62.0	233	0.048	4.32	4.32	4.32	4.8		100
STA 621+50 TO 622+00	50.0			68.5	-68.5	244	0.050	4.50	4.50	4.50	5.0		100
STA 622+00 TO 622+50	50.0	3.1	2.3	75.6	-73.3	272	0.056	5.04	5.04	5.04	5.6	20	100
STA 622+50 TO 623+00	50.0	1.3	1.0	158.9	-157.9	333	0.069	6.21	6.21	6.21	6.9		100
STA 623+00 TO 623+50	50.0	1.1	0.8	162.8	-162.0	333	0.069	6.21	6.21	6.21	6.9		100
STA 623+50 TO 624+00	50.0	1.1	0.8	182.0	-181.2	335	0.069	6.21	6.21	6.21	6.9	20	100
TOTAL		90	70	1180	-1110	3630	0.75	67.5	67.5	67.5	75	100	1500

NOTES:

1. QUANTITY OF EARTH EXCAVATION IS ADJUSTED FOR A SHRINKAGE FACTOR OF 25%
2. (-) QUANTITY OF FILL NEEDED, (+) QUANTITY TO WASTE

BRIDGE PAVEMENT CONNECTOR SCHEDULE

LOCATION	STRUCTURE NO.	DESCRIPTION	WIDTH	LENGTH	PAVEMENT REM	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
			FOOT	FOOT	SQ YD	SQ YD
NHPP						
STA 619+31.00 TO STA 619+46.00	EX: 038-0017	ADJACENT TO SOUTH APPROACH	41	15	68	68
STA 620+99.00 TO STA 621+14.00	PROP: 038-0231	ADJACENT TO NORTH APPROACH	41	15	68	68
TOTAL				30	136	136

MAINTENANCE OF TRAFFIC SCHEDULE

LOCATION			TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMP (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS RELOCATE (NON-RED) TEST LEVEL 3	LINEAR DELINEATION PANELS, 6 IN	TEMP RUMBLE STRIPS
STA	DIRECTION	STAGE	FOOT	FOOT	EACH	EACH	EACH	EACH
615+00 TO 625+00	NB	1	1000		2		14	3
615+00 TO 625+00	SB	2		1000.0		2	14	3
TOTAL			1000	1000	2	2	28	6

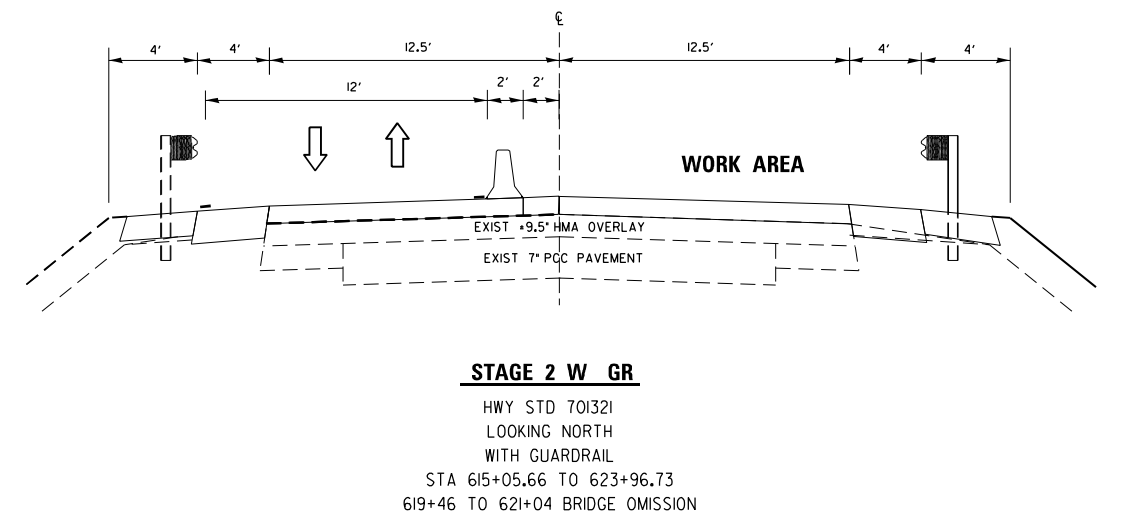
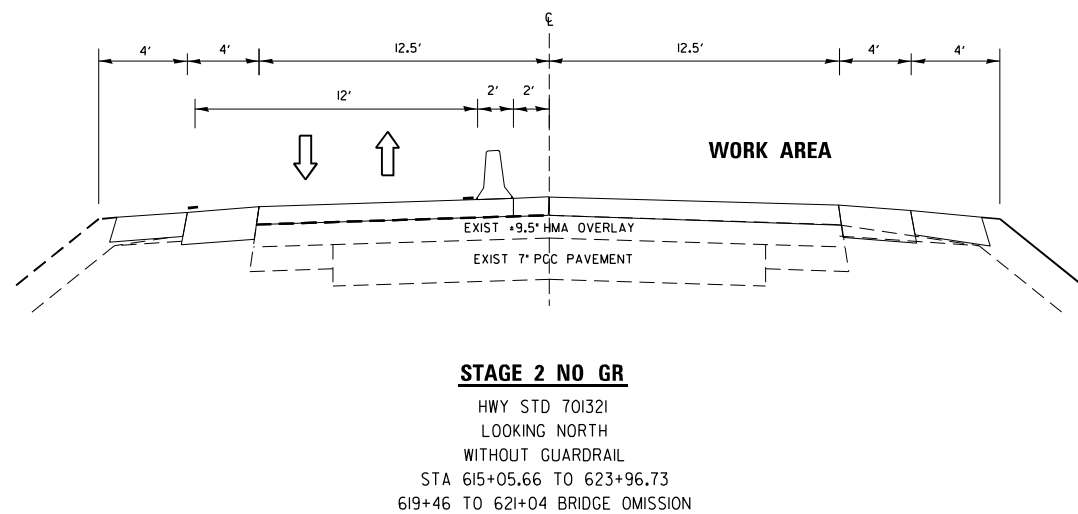
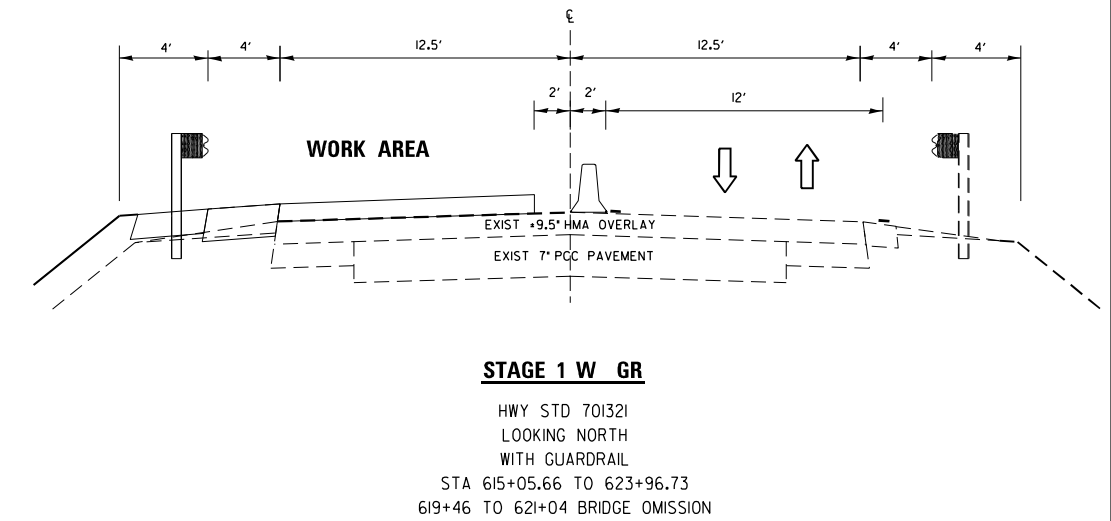
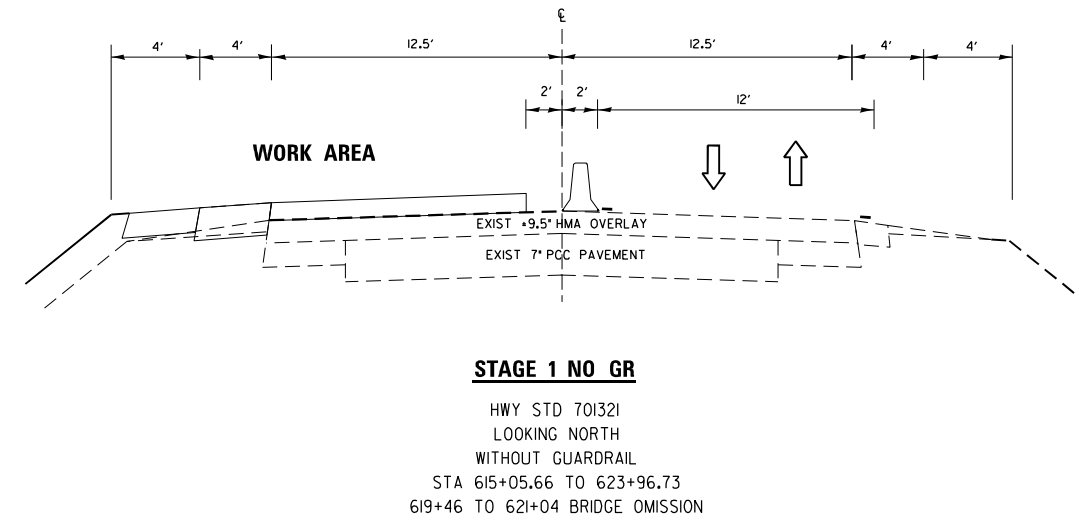
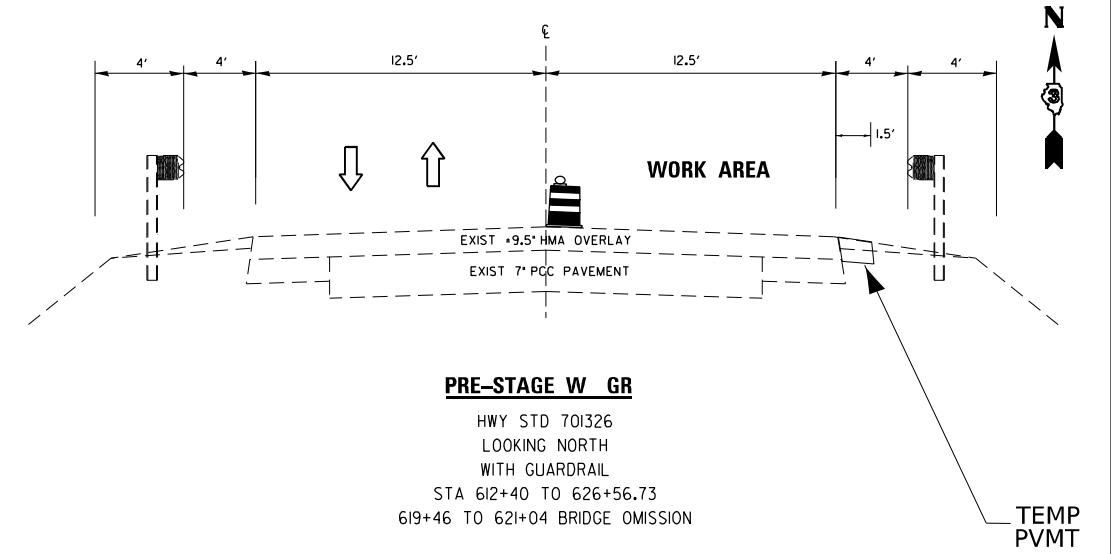
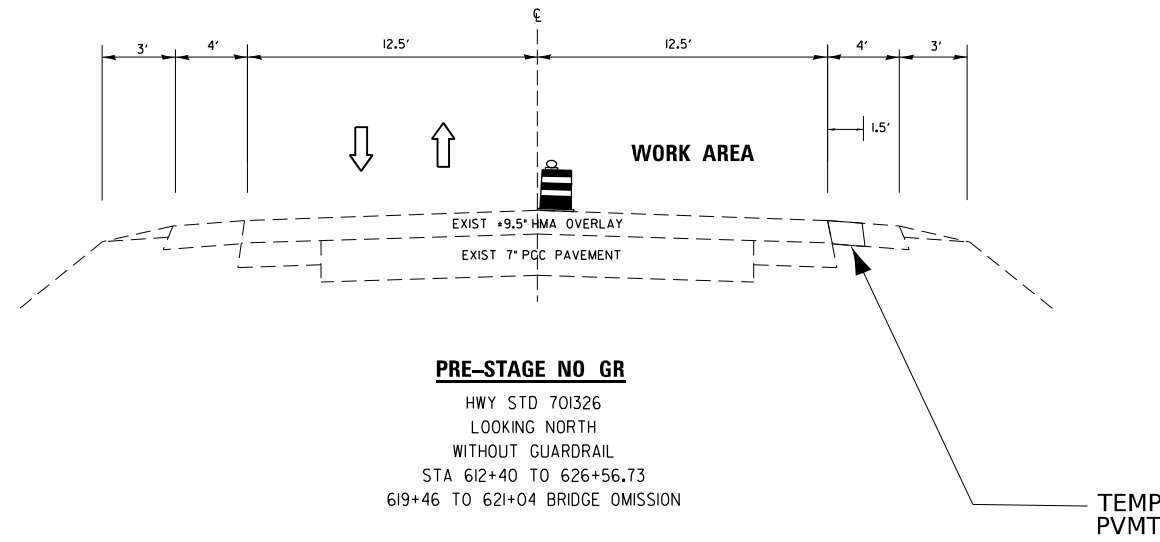
TCB RUNS FROM 616+75 TO 623+25 WITH 175 FT TAPER ON EACH END

MODEL: Default
FILE NAME: c:\pwworking\hinalasco\0607267\0386K94-sh-echodules.dgn

USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 20	
	DRAWN -	REVISED -		SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 66K94		
	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT					
PLOT DATE = 9/25/2024	DATE -	REVISED -							

GENERAL NOTES

1. ALL TRAFFIC CONTROL ITEMS NOT SHOWN ON THE STAGE I AND II PLAN VIEWS SHALL BE PER THE REQUIREMENTS OF STANDARD 701321.
2. FINAL SURFACE LIFT TO BE PLACED AFTER STAGE 2



MODEL: Default
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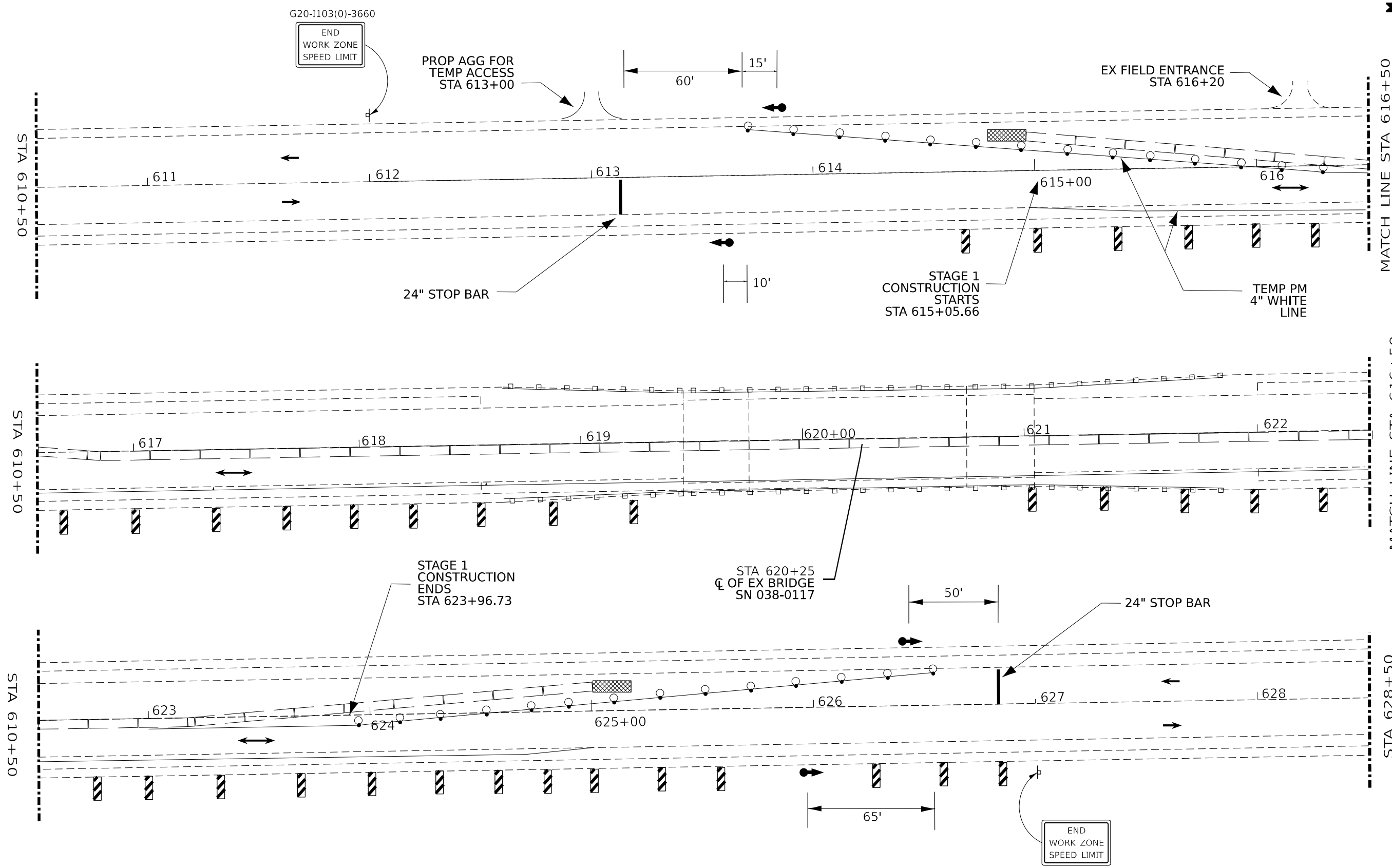
USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/24/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL 1 STAGING TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 21
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				



- VERTICAL PANELS AT 25' CENTERS
 TWO-WAY STAGE TRAFFIC
- TEMP SIGNAL
 DRUM W STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMP IMPACT ATTENUATOR
 TEMP CONC BARRIER

SEE TRAFFIC CONTROL STD 701321 FOR ADDITIONAL DETAILS (RUMBLE STRIPS ETC)

MODEL: Default
FILE NAME: c:\pwworking\hinalasco\0607267\0386K94-sh1-1.dgn

USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 9/24/2024	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1 PLAN

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	22
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

Benchmarks: BM: Cut square on top of SE abutment of S.N. 038-0017, Station 619+93.71, 16.89' Right, Elevation = 624.037

Existing Structure: S.N. 038-0017 was originally constructed in 1918 as part of F.A.P. 2, Section F.15d at Station 620+25.00. The single-span structure was reconstructed in 1954 as part of SBI-1, Section J-15d-BY with a new reinforced concrete slab superstructure supported on the existing closed abutments with spread footings. The existing abutments were widened in-kind and a new pile bent pier consisting of precast concrete piles was built as part of the reconstruction. The two-span bridge has an out-to-out width of 34'-4" and a back-to-back abutments length of 62'-9" with no skew. Existing structure to be removed and replaced.

Proposed structure to be built using stage construction.

No salvage

DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES
FIELD UNITS

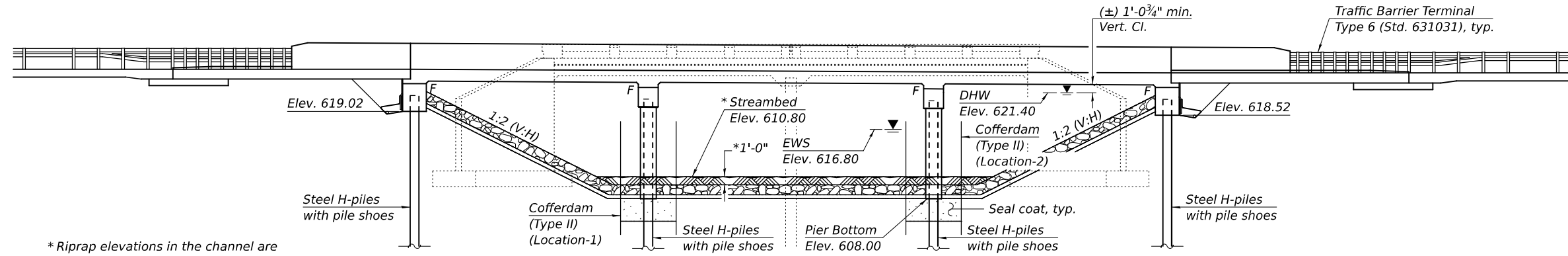
$f_c = 4,000$ psi (Superstructure)
 $f_c = 3,500$ psi (Substructure)
 $f_y = 60,000$ psi (Reinforcement)

LOADING HL-93

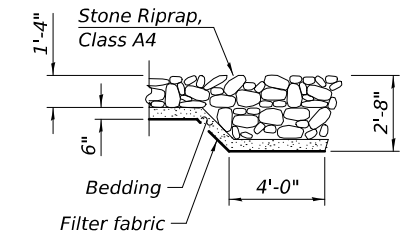
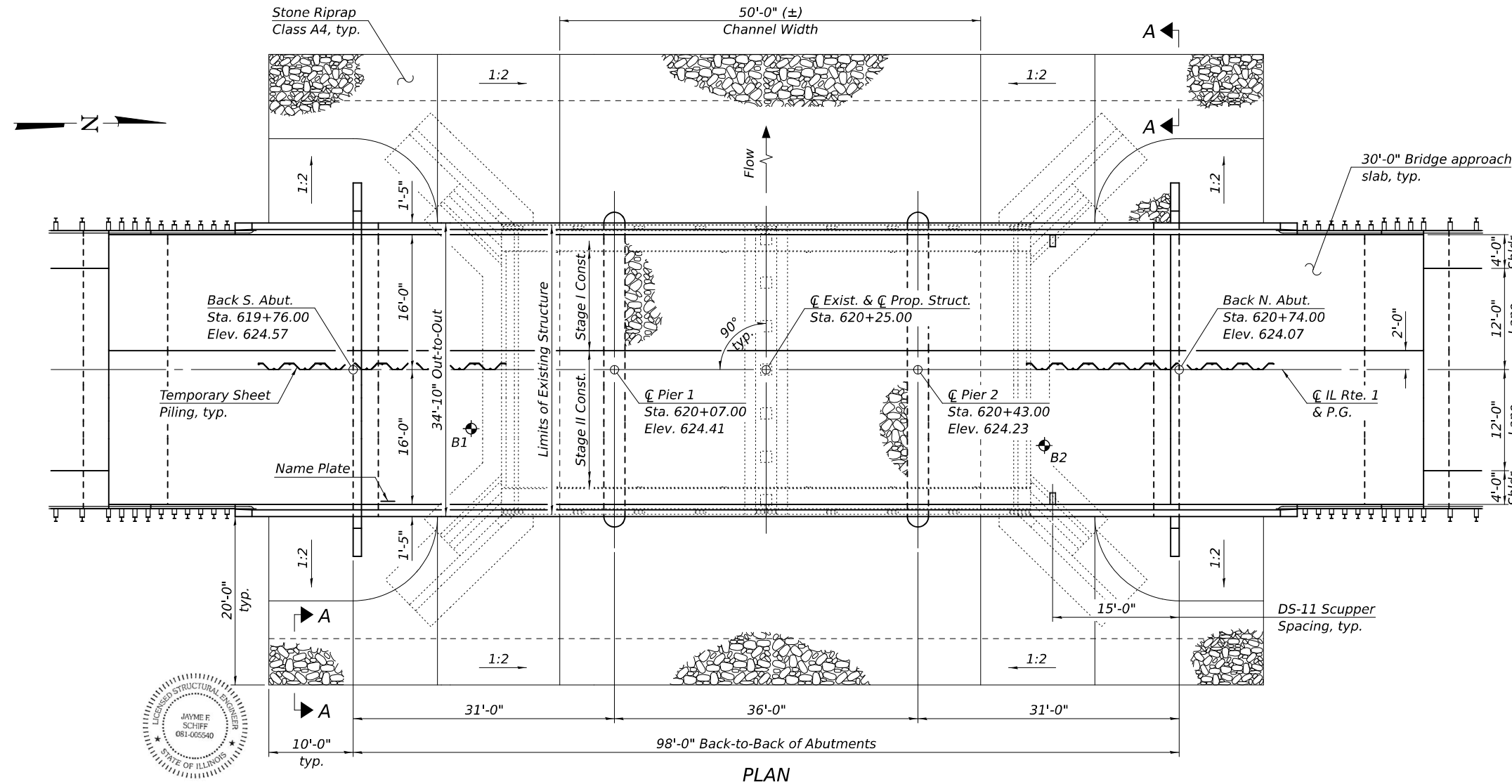
Allow 50#/#sq. ft. for future wearing surface.

SEISMIC DATA

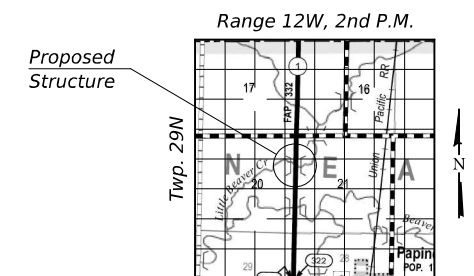
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.074g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.125g
Soil Site Class = C



*Riprap elevations in the channel are established to allow the streambed to silt-in over time to the approximate streambed elevations shown.



SECTION A-A



LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL RTE. 1 OVER LITTLE BEAVER CREEK
F.A.P. 332 - SEC. (4BR-4)ES
IROQUOIS COUNTY
STA. 620+25.00
STRUCTURE NO. 038-0231

MODEL: 0380231-66K94-001
FILE NAME: p:\i\do-ppw-bentley.com\FWIDOT\Documents\OBM Projects\0380231\CADDData\Bridge\0380231-66K94-Design.dgn



EXPIRES 11-30-2026

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	<i>Jayme F. Schiff</i>	DATE -	12/11/2024
PASSED	Jayme F. Schiff	REVISED -	
	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

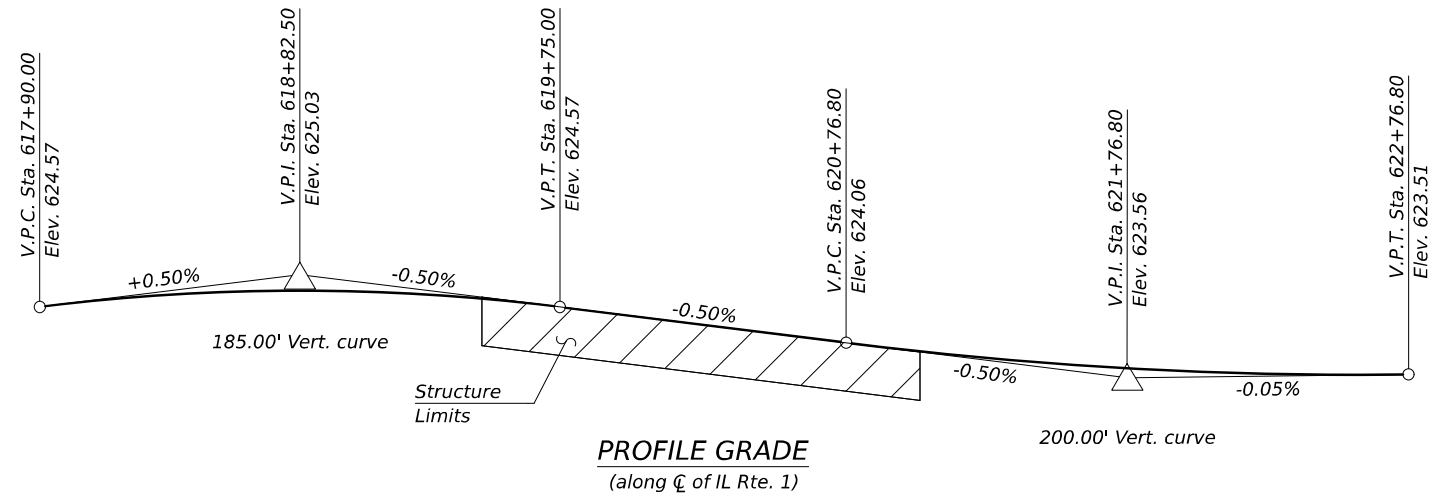
DATE -	12/11/2024
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	23
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

12/11/2024 9:34:24 AM



DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)				Item 113
	S. Abut.	Pier 1	Pier 2	N. Abut.	
Q100	619.02	597.60	597.60	618.52	5
Q200	619.02	596.90	596.90	618.52	
Design	619.02	597.60	597.60	618.52	
Check	619.02	596.90	596.90	618.52	

WATERWAY INFORMATION

Flood	Freq. Yr.	Q C.F.S.	Opening Ft ²		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Ten-Year	10	1820	494	622	620.4	0.8	0.7	621.2	621.1
Design	50	2810	552	707	621.4	1.2	0.9	622.6	622.3
Base	100	3250	575	741	621.8	1.2	1.0	622.9	622.8
Scour Check	200	3710	578	775	622.1	1.4	1.2	623.5	623.4
Overtop Exist.	257	3870	578	---	622.3	1.5	---	623.7	---
Overtop Prop.	375	4110	---	798	622.5	---	1.2	---	623.7
Max. Calc.	500	4310	578	816	622.6	1.6	1.3	624.2	623.9

10 Year Velocity through Existing Bridge = 3.7 ft/sec.
 10 Year Velocity through Proposed Bridge = 2.9 ft/sec.

GENERAL NOTES

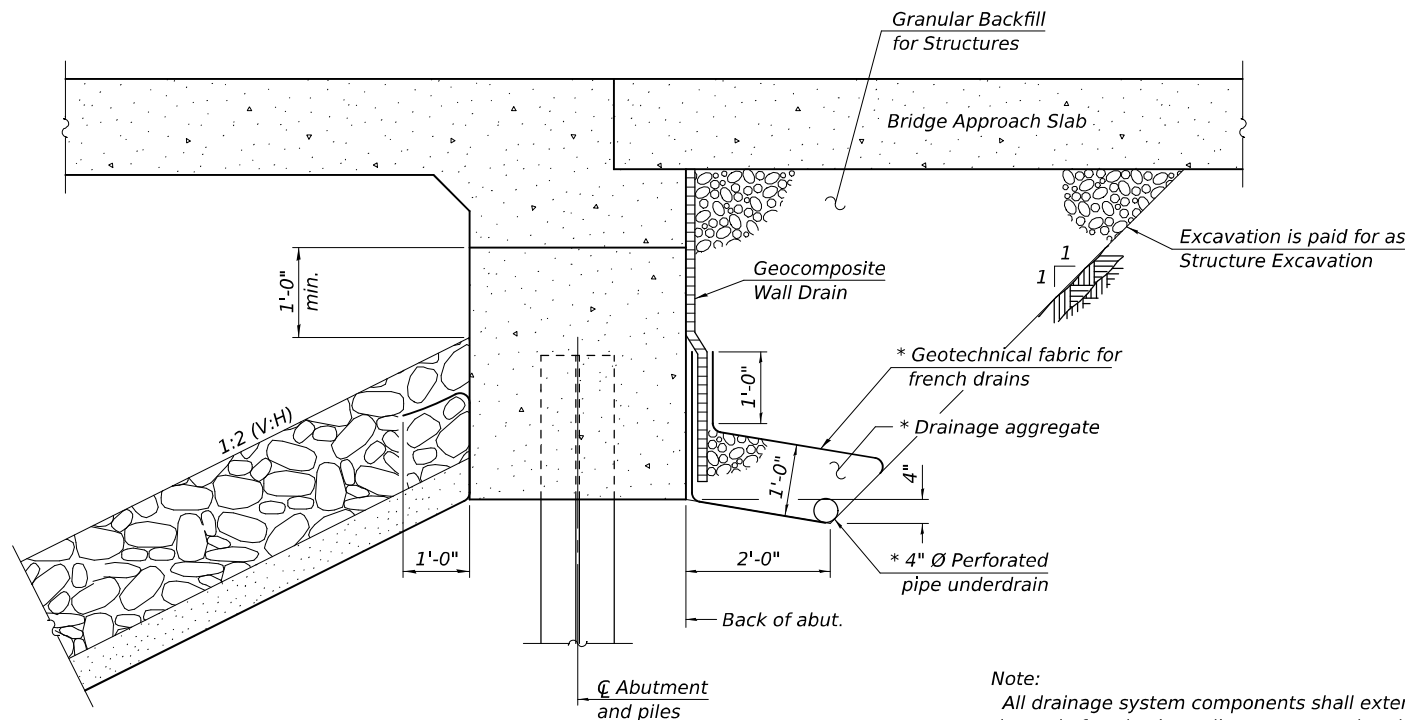
Reinforcement bars designated (E) shall be epoxy coated.
 The contractor shall make allowance for the deflection of forms, shrinkage, and settlement of falsework, in addition to allowance for the dead load deflection. Forms for the deck slab shall be removed prior to placement of bridge approach slab.
 The Seal coat design thickness is based on the Cofferdam Design Water Elevation (CDWE) shown. Final cofferdam design, details, and seal coat thickness shall be submitted to the Engineer for approval. The CDWE is equal to the Estimated Water Surface Elevation (EWSE) plus 3 feet.
 Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.
 Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
 The embankment configuration shown shall be the minimum that must be placed and the compacted prior to construction of abutments.

INDEX OF SHEETS

- 1 - General Plan & Elevation
- 2 - General Data
- 3 - Stage Construction Details
- 4 - Temporary Sheet Piling
- 5 - Temporary Concrete Barrier
- 6-7 - Top of Slab Elevations
- 8-9 - Top of Approach Slab Elevations
- 10-11 - Superstructure
- 12 - Superstructure Details
- 13-14 - Bridge Approach Slab Details
- 15 - Drainage Scuppers, DS-11
- 16 - South Abutment
- 17 - North Abutment
- 18 - Abutment Details
- 19 - Pier 1 & 2
- 20 - Pier Details
- 21 - HP Pile Details
- 22 - Concrete Parapet Slipforming Option
- 23 - Bar Splicer Assembly & Mechanical Splicer Details
- 24-25 - Soil Boring Logs

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		923	923
Filter Fabric	Sq. Yd.		923	923
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu. Yd.		104	104
Cofferdam Excavation	Cu. Yd.		210	210
Cofferdam (Type 2) (Location-1)	Each		1	1
Cofferdam (Type 2) (Location-2)	Each		1	1
Concrete Structures	Cu. Yd.		130.3	130.3
Concrete Superstructure	Cu. Yd.	208.0		208.0
Bridge Deck Grooving	Sq. Yd.	520		520
Seal Coat Concrete	Cu. Yd.		149.4	149.4
Protective Coat	Sq. Yd.	675		675
Concrete Superstructure (Approach Slab)	Cu. Yd.	94.6		94.6
Reinforcement Bars, Epoxy Coated	Pound	103.810	11,560	115,370
Bar Splicers	Each	558	162	720
Furnishing Steel Piles HP 12x63	Foot		990	990
Driving Piles	Foot		990	990
Test Pile Steel HP 12x63	Each		2	2
Pile Shoes	Each		24	24
Name Plates	Each	1		1
Temporary Sheet Piling	Sq. Ft.		733	733
Granular Backfill for Structures	Cu. Yd.		50	50
Geocomposite Wall Drain	Sq. Yd.		34	34
Pipe Underdrain for Structures 4"	Foot		116	116
Drainage Scuppers, DS-11	Each	2		2



SECTION THRU INTEGRAL ABUTMENT

*Included in the cost of Pipe Underdrains for Structures.

STA. 620+25.00
 BUILT 20 BY
 STATE OF ILLINOIS
 F.A.P. RTE. 332 - SEC. (4BR-4)ES
 LOADING HL-93
 STRUCTURE NO. 038-0231

NAME PLATE
 See Std. 515001

Note:
 All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

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DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Shuffler</i> ENGINEER OF BRIDGE DESIGN	DATE - DECEMBER 11, 2024
CHECKED - RYAN P. NEGANGARD	PASSED - <i>Jayne F. Hoff</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - ANDRO R. SAMANIEGO		REVISED -
CHECKED - T.L.A. / R.P.N.		

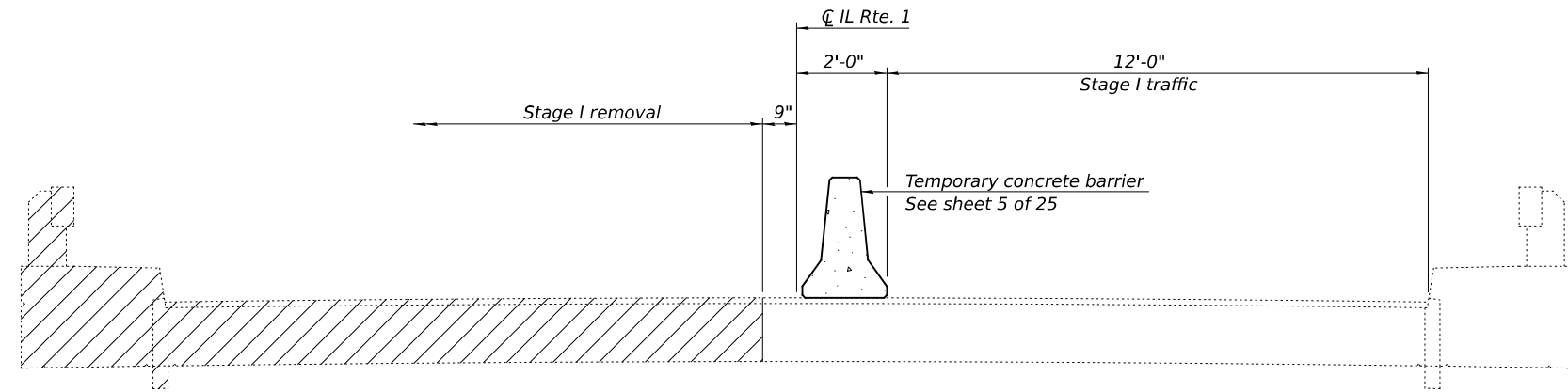
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
 STRUCTURE NO. 038-0231**

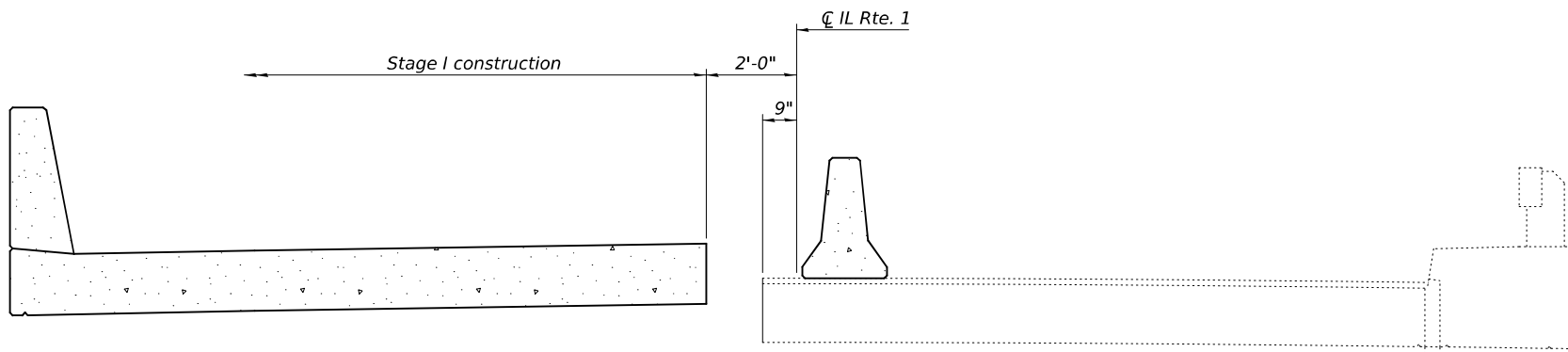
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CONTRACT NO. 66K94			ILLINOIS FED. AID PROJECT	

SHEET 2 OF 25 SHEETS

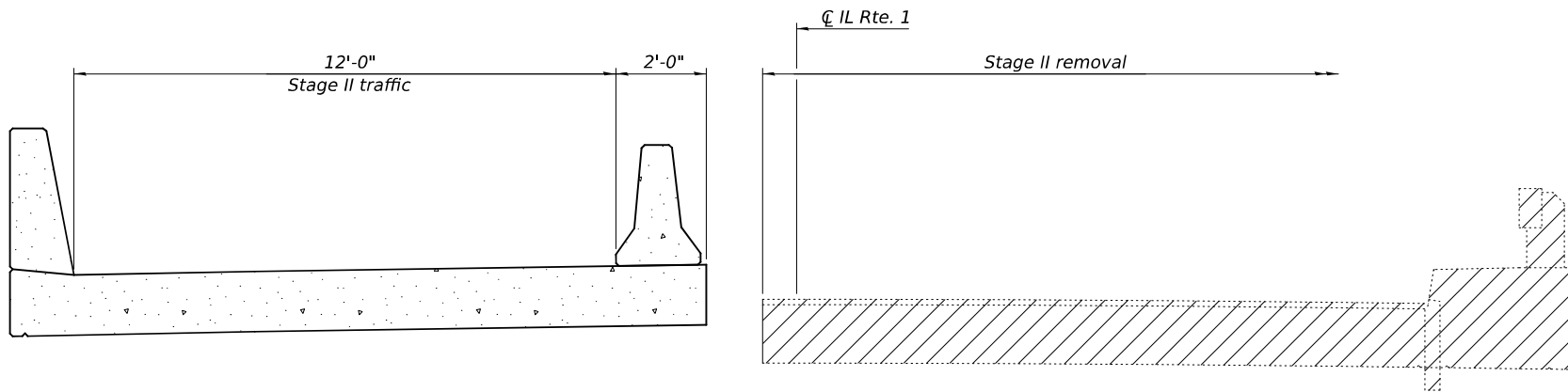
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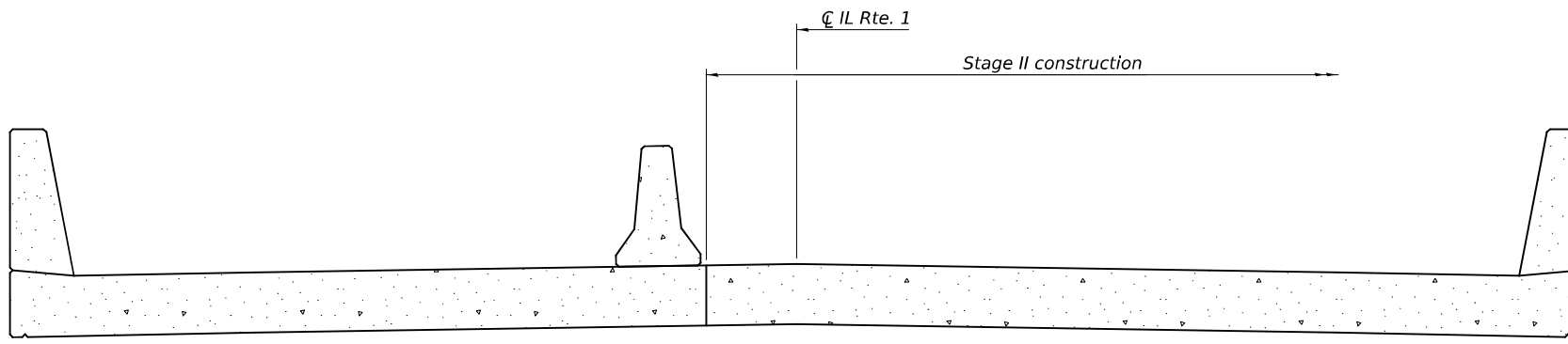
STAGE I REMOVAL



STAGE I CONSTRUCTION



STAGE II REMOVAL



STAGE II CONSTRUCTION

Notes:
 All cross sections are looking North.
 Hatched areas indicate Removal of Existing Structures.
 For quantity of Temporary Concrete Barrier, see Roadway Plans.

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED		DATE -	DECEMBER 11, 2024
PASSED		REVISED -	
	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

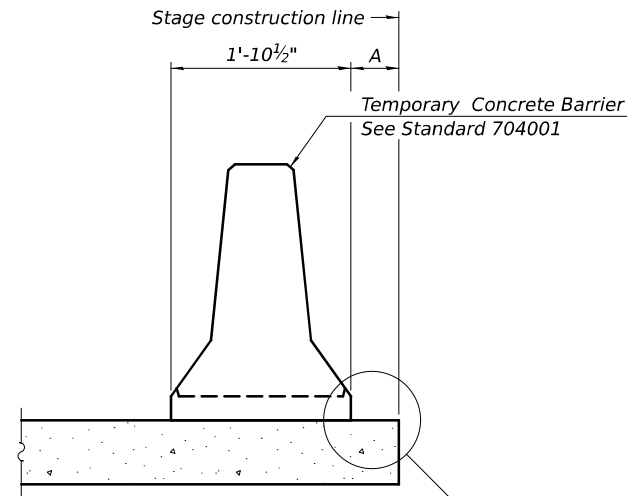
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
 STRUCTURE NO. 038-0231**

SHEET 3 OF 25 SHEETS

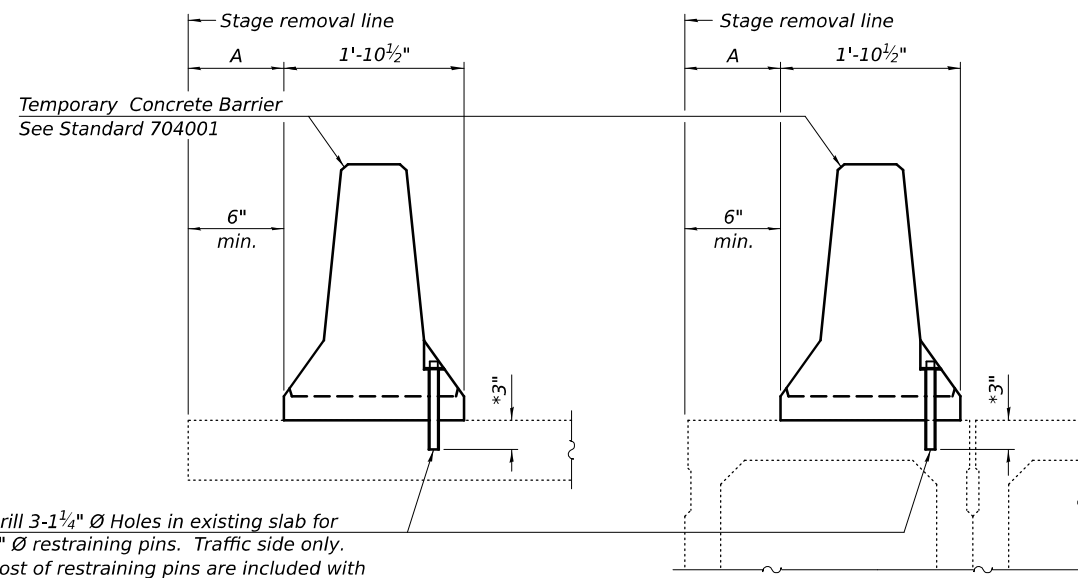
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	25
CONTRACT NO. 66K94			ILLINOIS FED. AID PROJECT	

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When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM

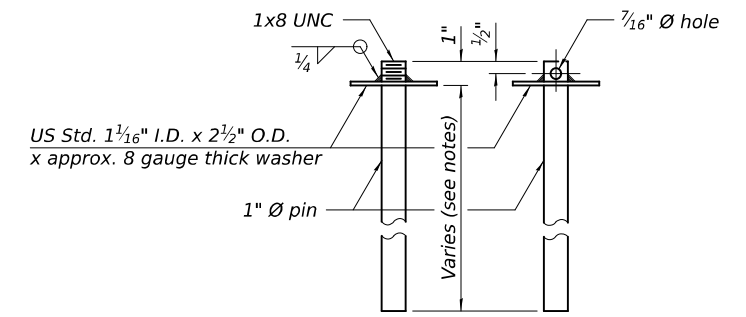


Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

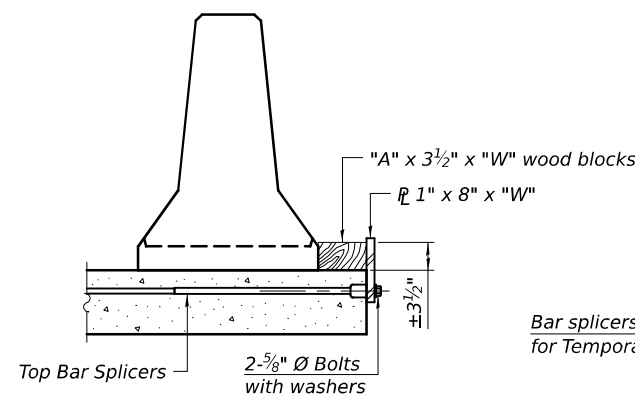
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

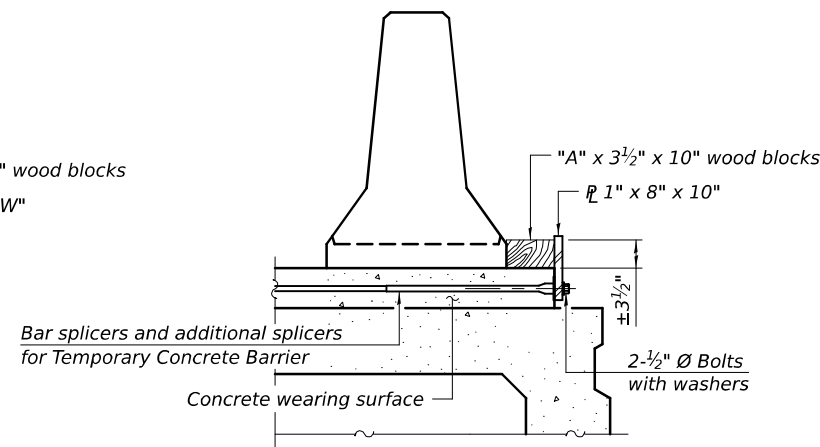


RESTRAINING PIN

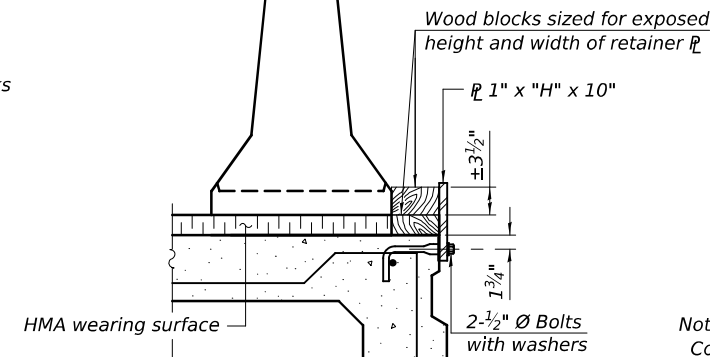
SECTIONS THRU SLAB OR DECK BEAM



DETAIL I

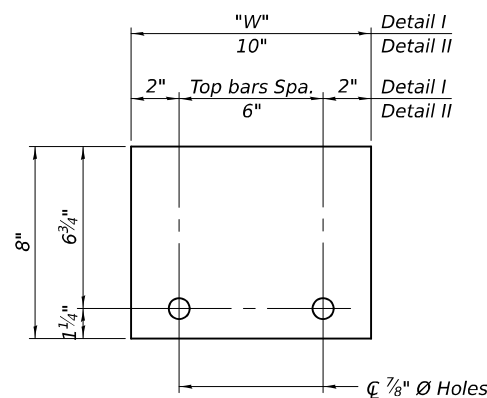


DETAIL II

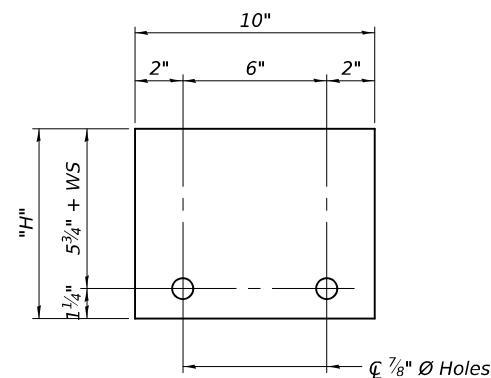


DETAIL III

BAR SPLICER FOR #4 BAR - DETAIL III



STEEL RETAINER 1" x 8" x "W"
(Detail I and II)



STEEL RETAINER 1" x "H" x 10"
(Detail III)

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate center of each temporary concrete barrier.
 The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.
 When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate.
 For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

Detail III - Installation for a new deck beam with no initial wearing surface or with an initial hot-mix asphalt (HMA) wearing surface present. The deck beam directly beneath the temporary concrete barrier shall be fabricated with bar splicer inserts in the side of the beam, as detailed, to accommodate the installation of the retainer assemblies. A pair of bar splicers, 6" apart, shall be placed at 6'-0" centers along the length of the beam. The cost of the bar splicers is included with the deck beam.

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

DESIGNED - TIFFANY L. ADAMS	EXAMINED
CHECKED - RYAN P. NEGANGARD	PASSED
DRAWN - ANDRO R. SAMANIEGO	
CHECKED - T.L.A. / R.P.N.	

DATE - DECEMBER 11, 2024
 Mark Shuffler
 ENGINEER OF BRIDGE DESIGN
 Jayne F. [Signature]
 ENGINEER OF BRIDGES AND STRUCTURES

REVISIONS	
REVISIONS	

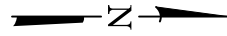
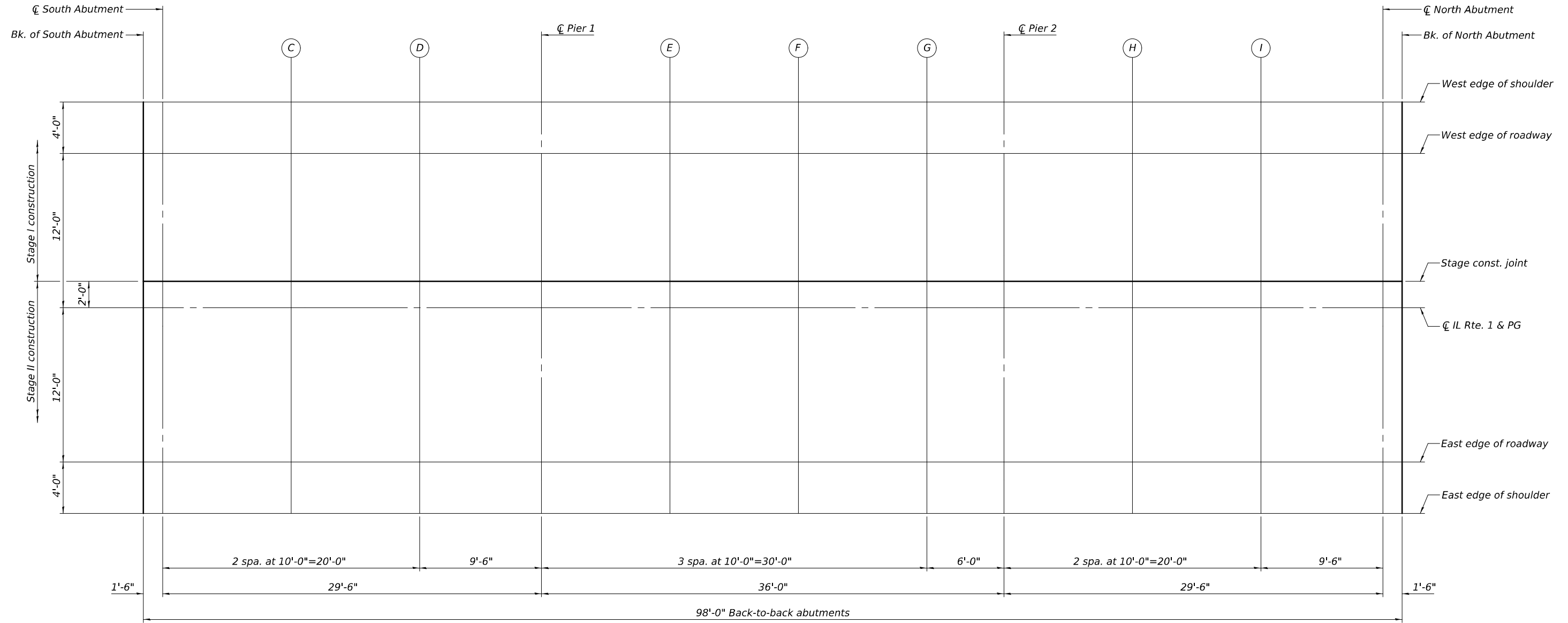
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CONCRETE BARRIER
 STRUCTURE NO. 038-0231**

SHEET 5 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	27
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

MODEL: 0380231-66K94-006
 FILE NAME: p:\i\p\w\benley.com\FWIDOT\Documents\OBM Projects\0380231-66K94-Design.dgn



PLAN

Note:
 The Dead Load Deflections are negligible.
 The Dead Load Deflection Diagram is not shown.

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	<i>Mark Shuffin</i> ENGINEER OF BRIDGE DESIGN	DATE -	DECEMBER 11, 2024
PASSED	<i>Jayne F. [Signature]</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	
		REVISED -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS
 STRUCTURE NO. 038-0231

SHEET 6 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	28
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

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WEST EDGE OF SHOULDER

Table with 4 columns: Location, Station, Offset, Theoretical Grade Elevations. Rows include Bk. South Abutment, C, D, Pier 1, E, F, G, Pier 2, H, I, North Abutment, and Bk. North Abutment.

WEST EDGE OF ROADWAY

Table with 4 columns: Location, Station, Offset, Theoretical Grade Elevations. Rows include Bk. South Abutment, C, D, Pier 1, E, F, G, Pier 2, H, I, North Abutment, and Bk. North Abutment.

STAGE CONSTRUCTION JOINT

Table with 4 columns: Location, Station, Offset, Theoretical Grade Elevations. Rows include Bk. South Abutment, C, D, Pier 1, E, F, G, Pier 2, H, I, North Abutment, and Bk. North Abutment.

IL RTE. 1 & PG

Table with 4 columns: Location, Station, Offset, Theoretical Grade Elevations. Rows include Bk. South Abutment, C, D, Pier 1, E, F, G, Pier 2, H, I, North Abutment, and Bk. North Abutment.

EAST EDGE OF ROADWAY

Table with 4 columns: Location, Station, Offset, Theoretical Grade Elevations. Rows include Bk. South Abutment, C, D, Pier 1, E, F, G, Pier 2, H, I, North Abutment, and Bk. North Abutment.

EAST EDGE OF SHOULDER

Table with 4 columns: Location, Station, Offset, Theoretical Grade Elevations. Rows include Bk. South Abutment, C, D, Pier 1, E, F, G, Pier 2, H, I, North Abutment, and Bk. North Abutment.

MODEL: 0380231-66K94-017 FILE NAME: p:\projects\0380231\CAD\Bridges\Design\Bridges and Structures\OBM Projects\0380231-66K94-Design.dgn

DESIGNED - TIFFANY L. ADAMS CHECKED - RYAN P. NEGANGARD DRAWN - ANDRO R. SAMANIEGO CHECKED - T.L.A. / R.P.N.

EXAMINED PASSED [Signatures]

DATE - DECEMBER 11, 2024 REVISED - REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

TOP OF SLAB ELEVATIONS STRUCTURE NO. 038-0231 SHEET 7 OF 25 SHEETS

F.A.P. RTE. 332 SECTION (4BR-4)ES COUNTY IROQUOIS TOTAL SHEETS 68 SHEET NO. 29 CONTRACT NO. 66K94 ILLINOIS FED. AID PROJECT

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	619+47.00	-16.00	624.43
A	619+57.00	-16.00	624.39
B	619+67.00	-16.00	624.35
N. End of S. Appr. Slab	619+77.00	-16.00	624.30

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	619+47.00	-12.00	624.51
A	619+57.00	-12.00	624.47
B	619+67.00	-12.00	624.43
N. End of S. Appr. Slab	619+77.00	-12.00	624.38

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	619+47.00	-2.00	624.66
A	619+57.00	-2.00	624.62
B	619+67.00	-2.00	624.58
N. End of S. Appr. Slab	619+77.00	-2.00	624.53

CL RTE. 1 & PG

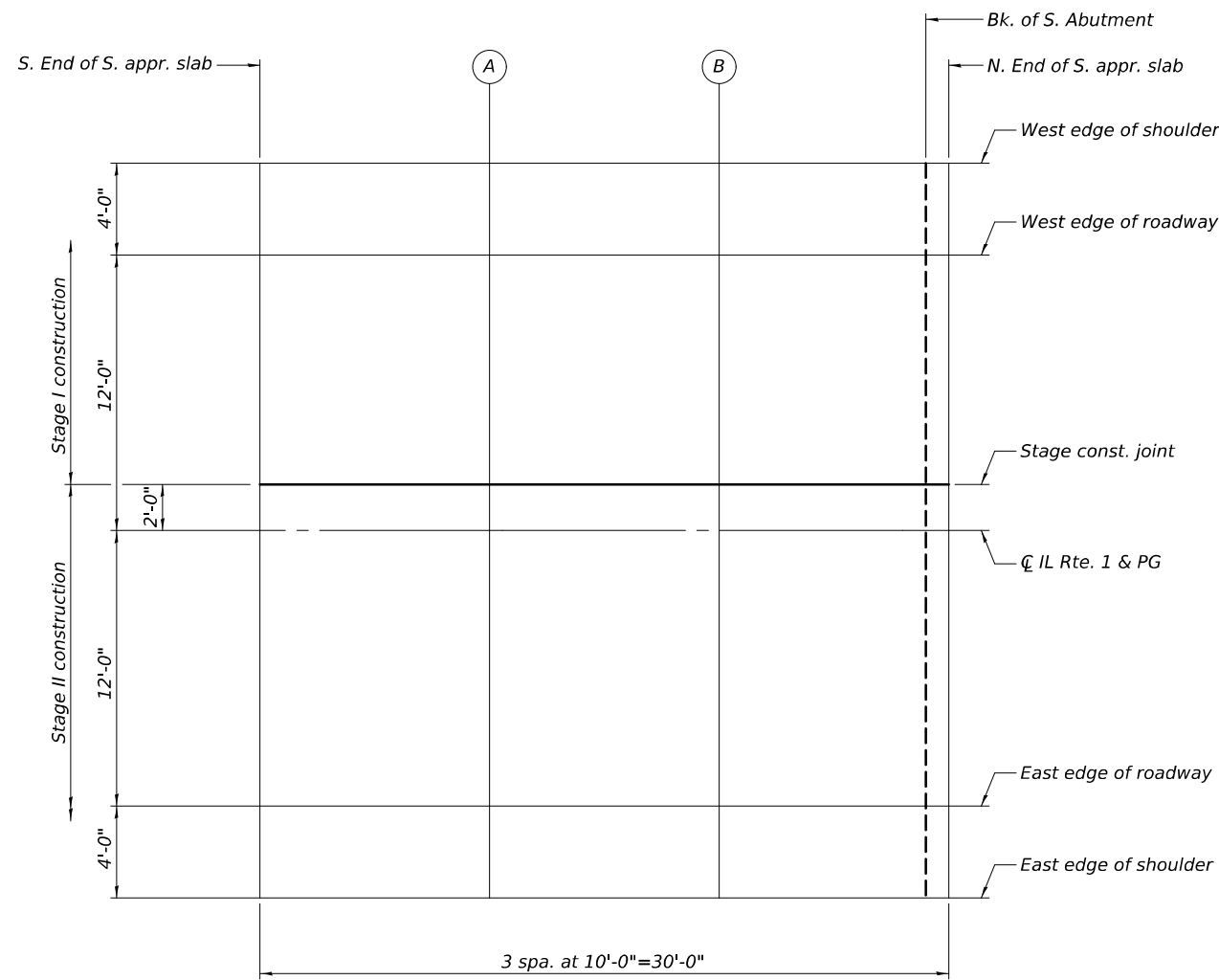
Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	619+47.00	0.00	624.69
A	619+57.00	0.00	624.65
B	619+67.00	0.00	624.61
N. End of S. Appr. Slab	619+77.00	0.00	624.56

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	619+47.00	12.00	624.51
A	619+57.00	12.00	624.47
B	619+67.00	12.00	624.43
N. End of S. Appr. Slab	619+77.00	12.00	624.38

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of S. Appr. Slab	619+47.00	16.00	624.43
A	619+57.00	16.00	624.39
B	619+67.00	16.00	624.35
N. End of S. Appr. Slab	619+77.00	16.00	624.30



PLAN

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DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	<i>Mark Shuffen</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Jayne F. [Signature]</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	DECEMBER 11, 2024
REVISED -	
REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
 STRUCTURE NO. 038-0231**

SHEET 8 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66K94	

WEST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	620+73.00	-16.00	623.82
J	620+83.00	-16.00	623.77
K	620+93.00	-16.00	623.72
N. End of N. Appr. Slab	621+03.00	-16.00	623.68

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	620+73.00	-12.00	623.90
J	620+83.00	-12.00	623.85
K	620+93.00	-12.00	623.80
N. End of N. Appr. Slab	621+03.00	-12.00	623.76

STAGE CONSTRUCTION JOINT

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	620+73.00	-2.00	624.05
J	620+83.00	-2.00	624.00
K	620+93.00	-2.00	623.95
N. End of N. Appr. Slab	621+03.00	-2.00	623.91

CL RTE. 1 & PG

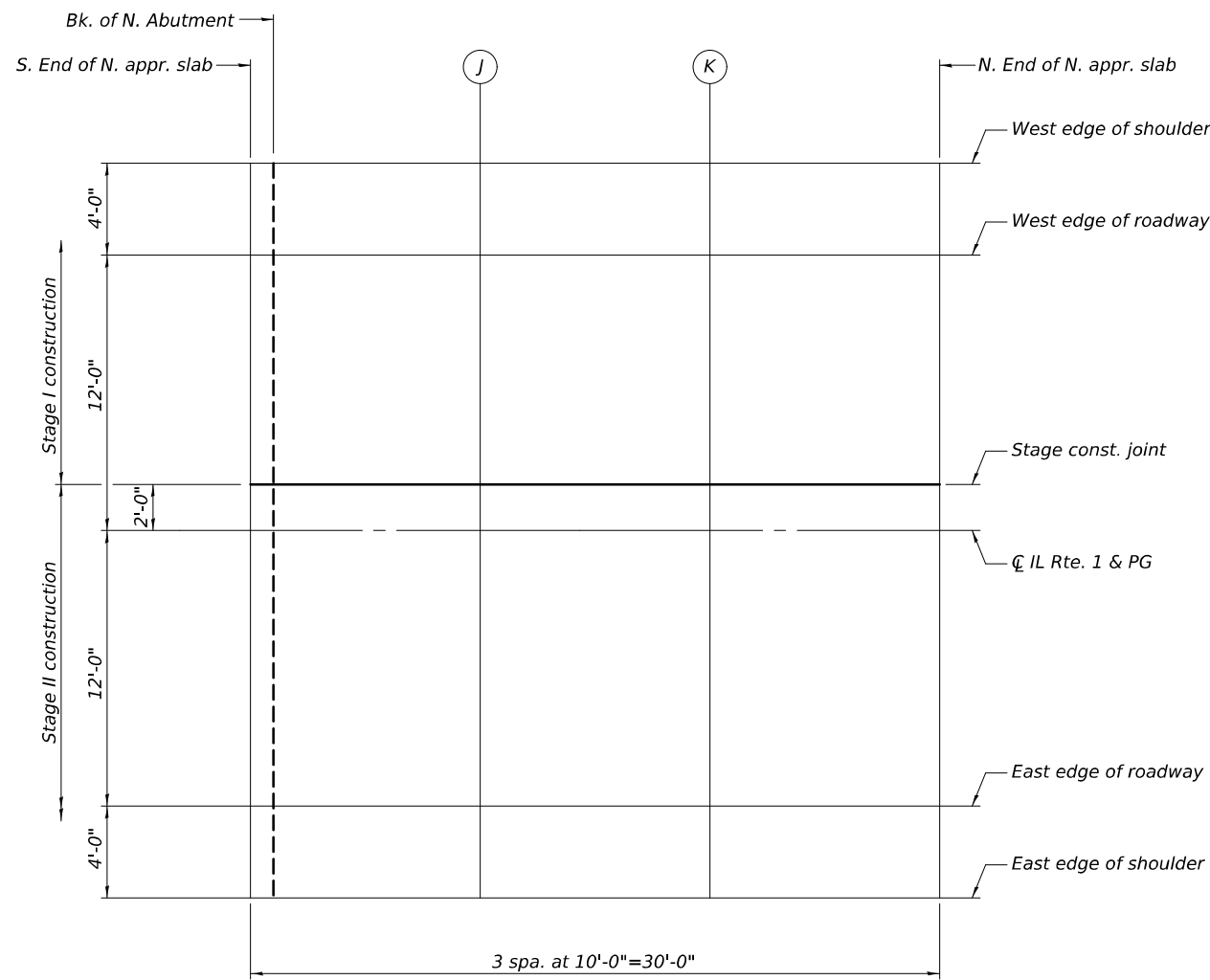
Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	620+73.00	0.00	624.08
J	620+83.00	0.00	624.03
K	620+93.00	0.00	623.98
N. End of N. Appr. Slab	621+03.00	0.00	623.94

EAST EDGE OF ROADWAY

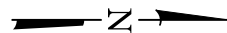
Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	620+73.00	12.00	623.90
J	620+83.00	12.00	623.85
K	620+93.00	12.00	623.80
N. End of N. Appr. Slab	621+03.00	12.00	623.76

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End of N. Appr. Slab	620+73.00	16.00	623.82
J	620+83.00	16.00	623.77
K	620+93.00	16.00	623.72
N. End of N. Appr. Slab	621+03.00	16.00	623.68



PLAN



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DESIGNED - TIFFANY L. ADAMS	EXAMINED
CHECKED - RYAN P. NEGANGARD	PASSED
DRAWN - ANDRO R. SAMANIEGO	
CHECKED - T.L.A. / R.P.N.	

 MARK SHUFFLER ENGINEER OF BRIDGE DESIGN		DATE - DECEMBER 11, 2024
 JAYNE F. [unclear] ENGINEER OF BRIDGES AND STRUCTURES		REVISED -

REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 038-0231**

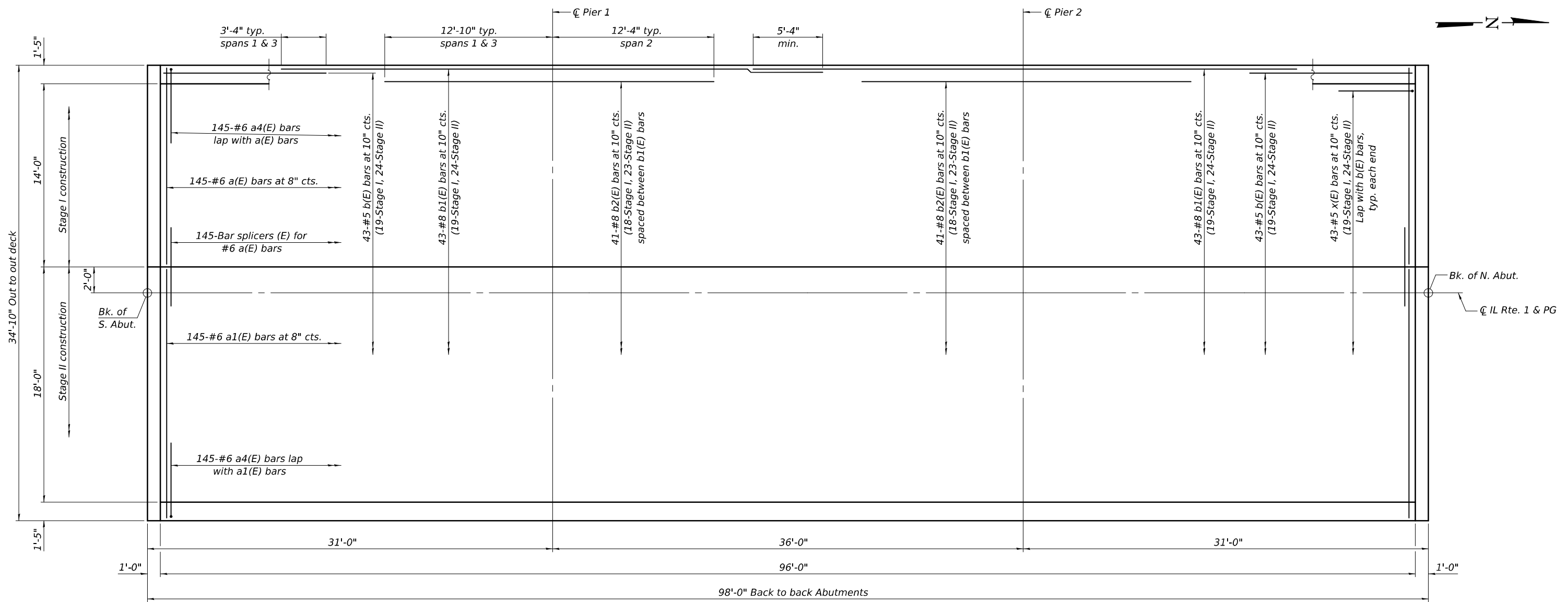
SHEET 9 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	31
CONTRACT NO. 66K94				

ILLINOIS FED. AID PROJECT

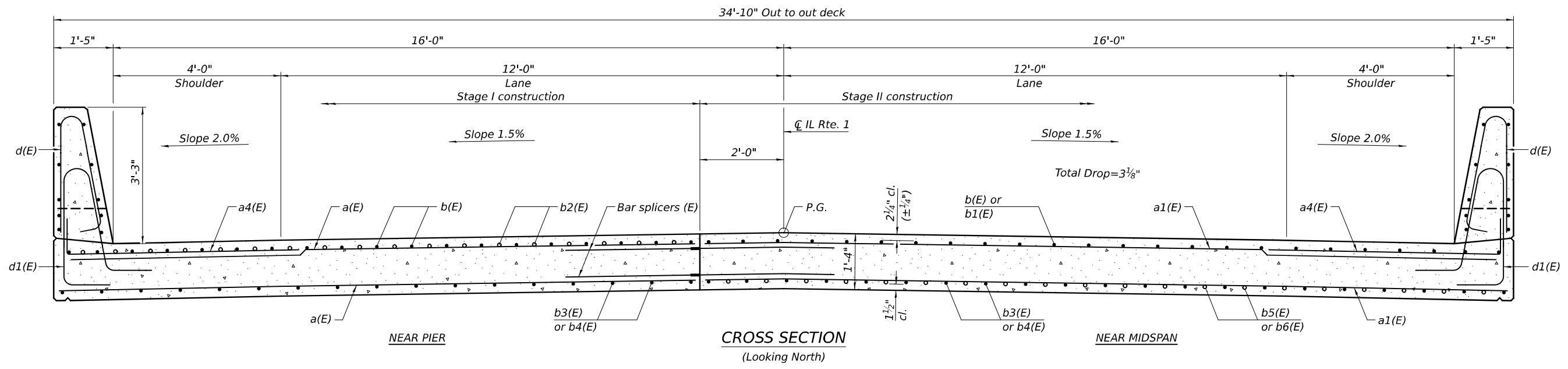
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PLAN
 (Showing Top Reinforcement)

Note:
 See sheet 12 of 25 for Superstructure
 Details and Bill of Material.



CROSS SECTION
 (Looking North)

DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Shuffler</i>	DATE - DECEMBER 11, 2024
CHECKED - RYAN P. NEGANGARD	ENGINEER OF BRIDGE DESIGN	
DRAWN - ANDRO R. SAMANIEGO	PASSED - <i>Jaime F. [Signature]</i>	REVISED -
CHECKED - T.L.A. / R.P.N.	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

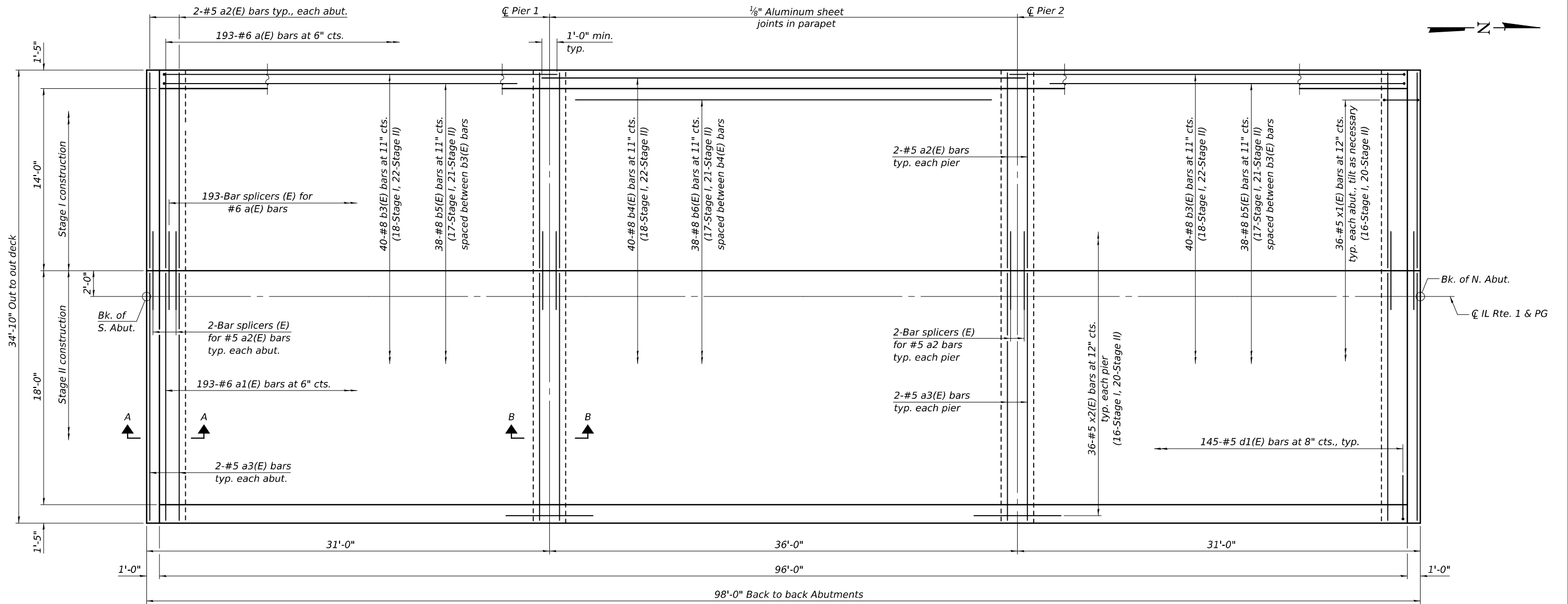
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 038-0231

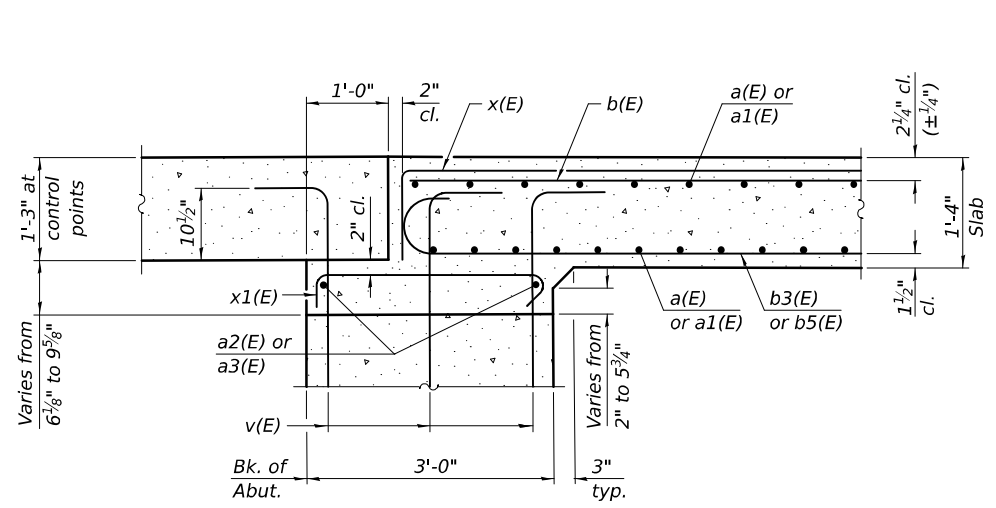
SHEET 10 OF 25 SHEETS

F.A.P. RTE. 332	SECTION (4BR-4)ES	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 32
CONTRACT NO. 66K94			ILLINOIS FED. AID PROJECT	

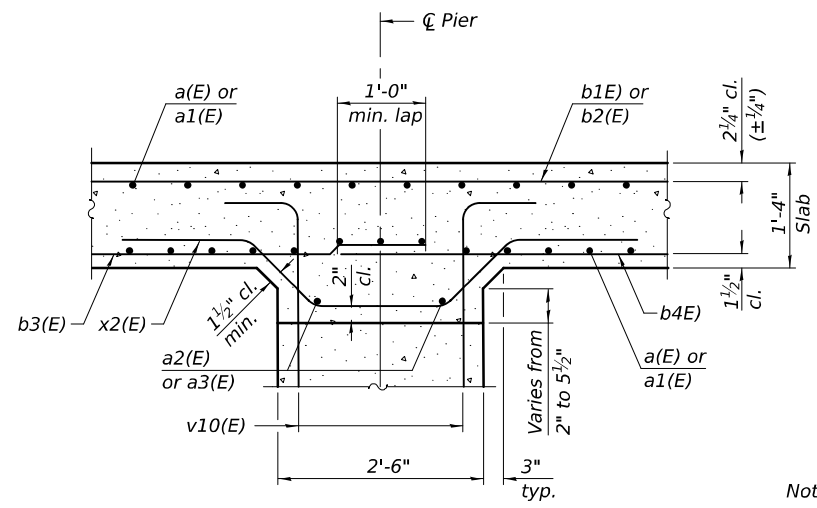
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PLAN
 (Showing Bottom Reinforcement)



SECTION A-A



SECTION B-B

Note:
 See sheet 12 of 25 for Superstructure
 Details and Bill of Materials.

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	<i>Mark Shuffan</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Jaime F. [Signature]</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	DECEMBER 11, 2024
REVISED -	
REVISED -	

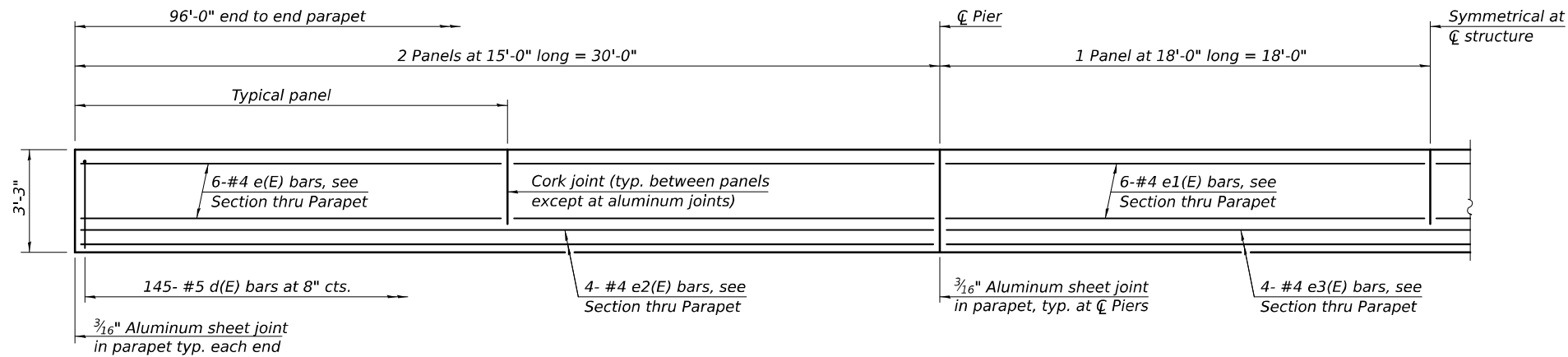
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 038-0231

SHEET 11 OF 25 SHEETS

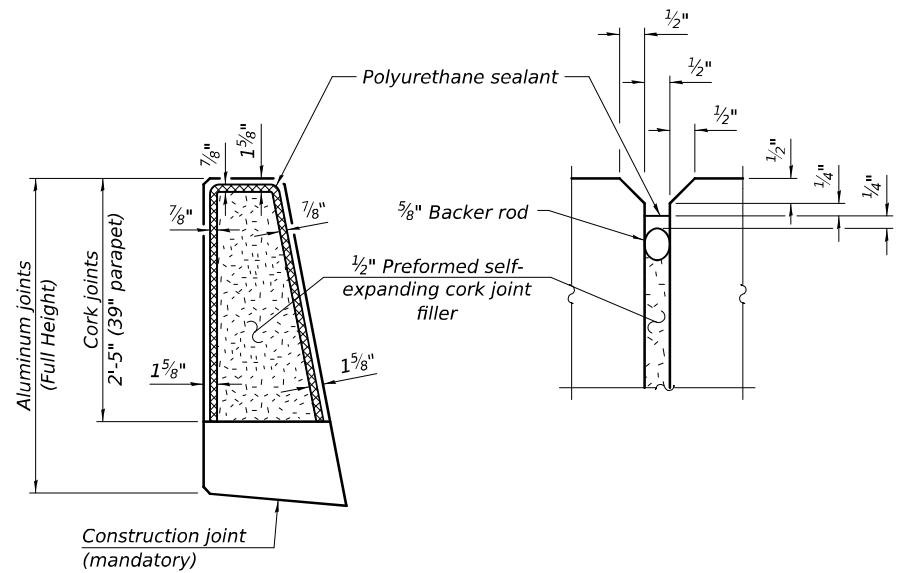
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	33
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

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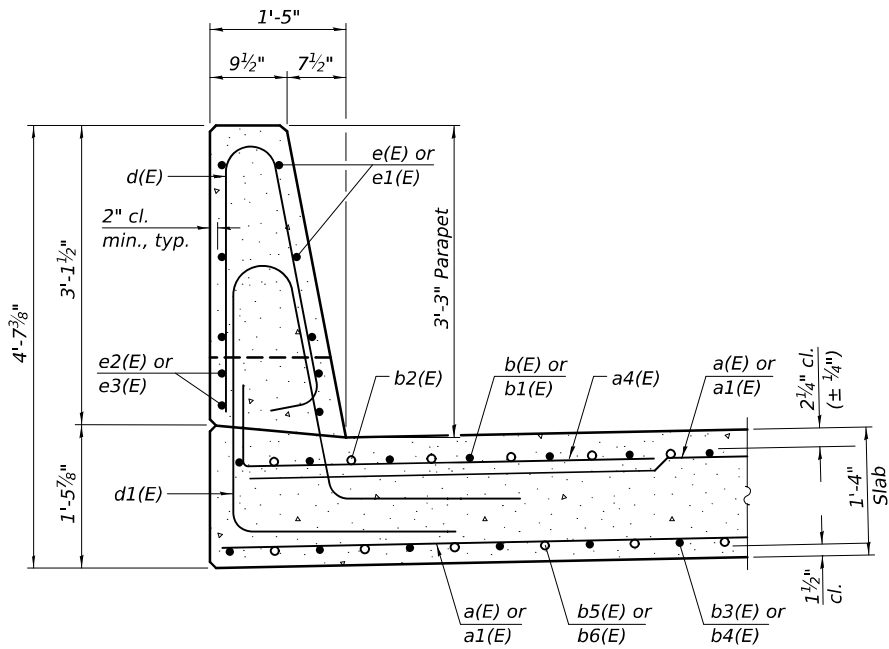


INSIDE ELEVATION OF PARAPET

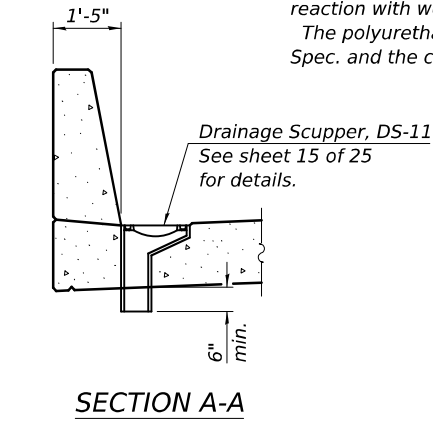
Notes:
 The 3/16" min. aluminum sheet shall be ASTM B 209 alloy 3003-H14 and coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete. Cost included with Concrete Superstructure.
 The polyurethane sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.



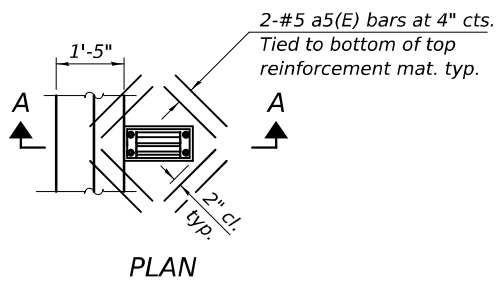
PARAPET JOINT DETAILS



SECTION THRU PARAPET

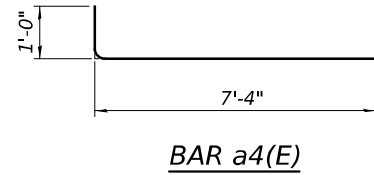


SECTION A-A

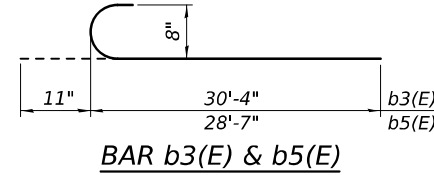


PLAN

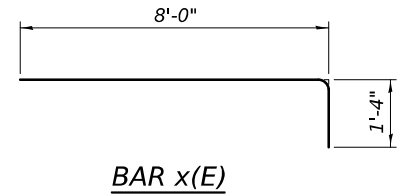
Note:
 Cut longitudinal reinforcement to clear drainage scuppers.



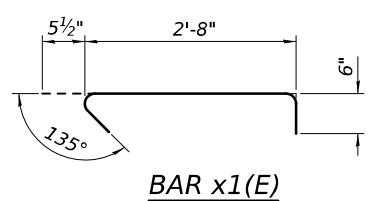
BAR a4(E)



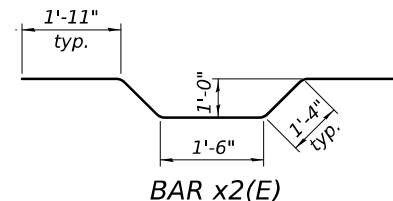
BAR b3(E) & b5(E)



BAR x(E)



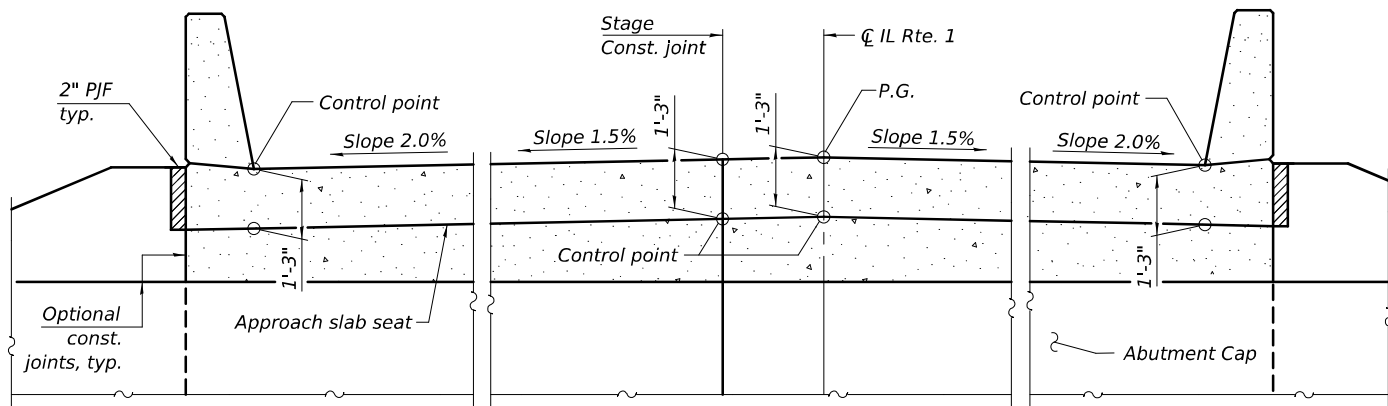
BAR x1(E)



BAR x2(E)

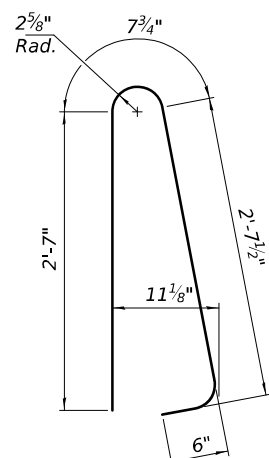
SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	338	#6	15'-1"	—
a1(E)	338	#6	19'-1"	—
a2(E)	8	#5	15'-1"	—
a3(E)	8	#5	19'-1"	—
a4(E)	290	#6	8'-4"	—
a5(E)	16	#5	1'-6"	—
b(E)	86	#5	12'-4"	—
b1(E)	86	#8	41'-7"	—
b2(E)	82	#8	25'-2"	—
b3(E)	80	#8	31'-3"	C
b4(E)	40	#8	37'-0"	—
b5(E)	76	#8	29'-6"	C
b6(E)	38	#8	34'-3"	—
d(E)	290	#5	6'-5"	—
d1(E)	290	#5	7'-11"	—
e(E)	48	#4	14'-8"	—
e1(E)	24	#4	17'-8"	—
e2(E)	16	#4	29'-8"	—
e3(E)	8	#4	35'-8"	—
x(E)	86	#5	9'-4"	—
x1(E)	72	#5	3'-8"	—
x2(E)	72	#5	8'-0"	—
Reinforcement Bars, Epoxy Coated		Pound	64,850	
Concrete Superstructure		Cu. Yd.	200.2	

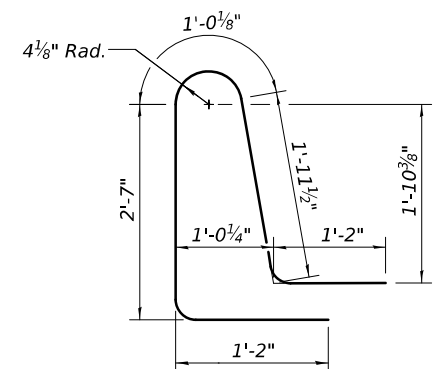


APPROACH SLAB SEAT

Note:
 See sheet 14 of 25 for P.J.F. details.
 The approach slab seat shall have a constant slope determined from the control points shown.



BAR d(E)



BAR d1(E)

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DESIGNED - TIFFANY L. ADAMS
 CHECKED - RYAN P. NEGANGARD
 DRAWN - ANDRO R. SAMANIEGO
 CHECKED - T.L.A. / R.P.N.

EXAMINED
 PASSED
 Mark Shuffler
 ENGINEER OF BRIDGE DESIGN
 Jayne F. Hoff
 ENGINEER OF BRIDGES AND STRUCTURES

DATE - DECEMBER 11, 2024
 REVISED -
 REVISED -

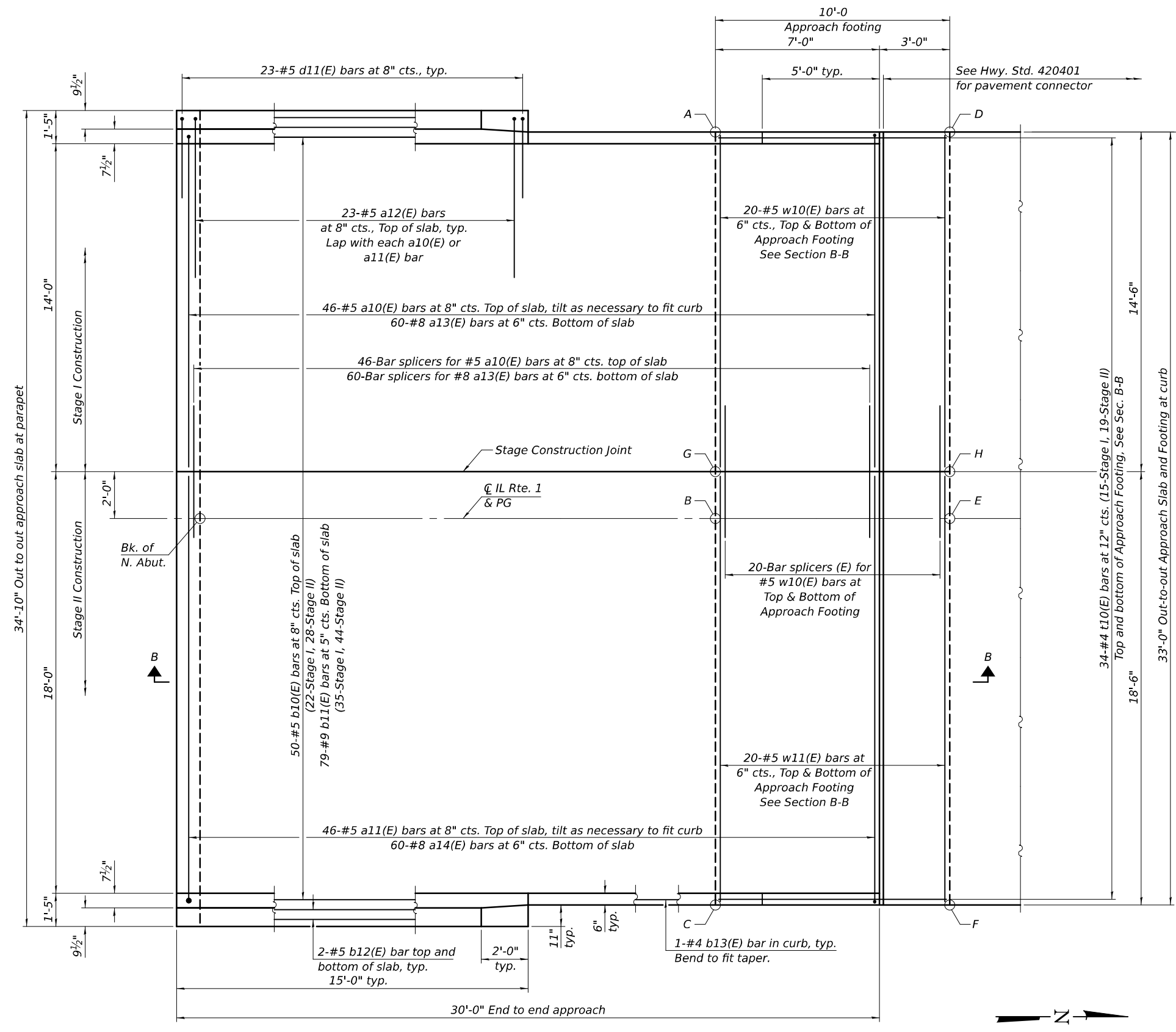
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
 STRUCTURE NO. 038-0231

SHEET 12 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	34
ILLINOIS FED. AID PROJECT				CONTRACT NO. 66K94

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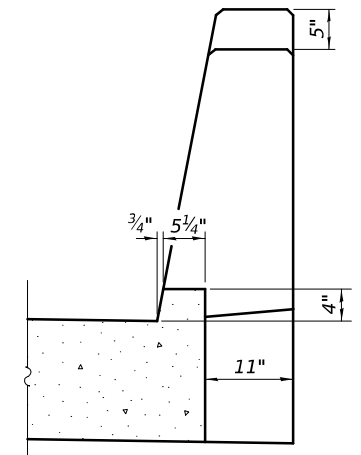


PLAN

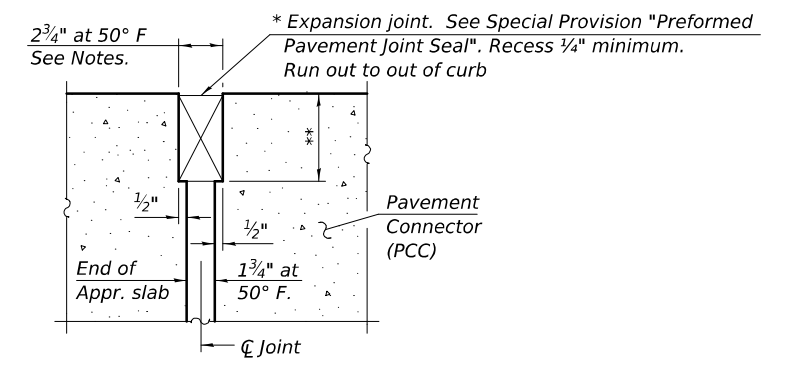
(North approach slab shown; South approach slab similar by 180° rotation)

**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

North Approach			South Approach		
Point/Location	Top	Bottom	Point/Location	Top	Bottom
A - SW	622.45	621.62	A - NE	623.14	622.31
B - S C	622.72	621.89	B - N C	623.41	622.58
C - SE	622.45	621.62	C - NW	623.14	622.31
D - NW	622.40	621.57	D - SE	623.18	622.35
E - N C	622.67	621.84	E - S C	623.45	622.62
F - NE	622.40	621.57	F - SW	623.18	622.35
G - S SCJ	622.69	621.86	G - N SCJ	623.38	622.55
H - N SCJ	622.64	621.81	H - S SCJ	623.42	622.59



VIEW A-A



DETAIL A

* Cost included with Concrete Superstructure (Approach Slab).
 ** Per manufacturer recommendations

(Sheet 1 of 2)

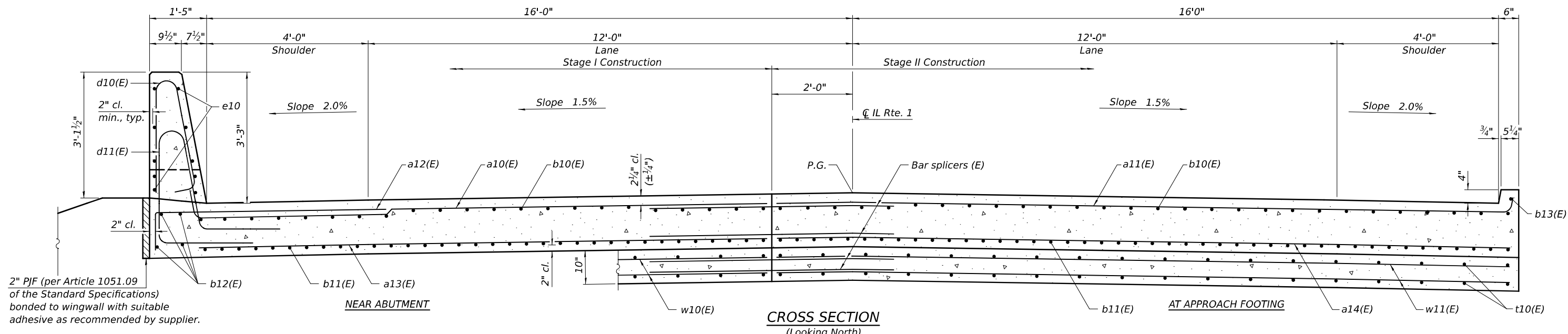
DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Shuffler</i> ENGINEER OF BRIDGE DESIGN	DATE - DECEMBER 11, 2024
CHECKED - RYAN P. NEGANGARD	PASSED - <i>Jaime F. [Signature]</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - ANDRO R. SAMANIEGO		REVISED -
CHECKED - T.L.A. / R.P.N.		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS STRUCTURE NO. 038-0231

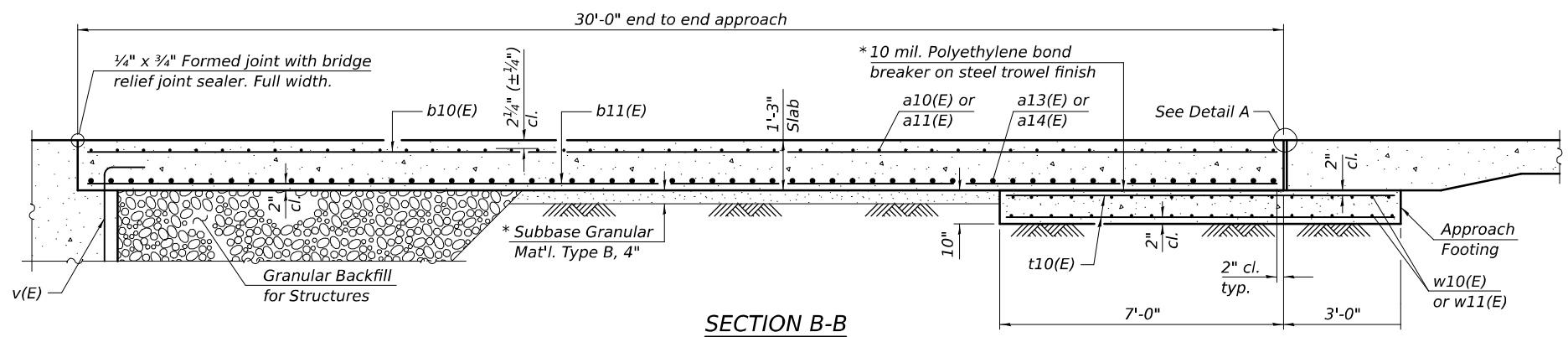
SHEET 13 OF 25 SHEETS

F.A.P. RTE. 332	SECTION (4BR-4)ES	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 35
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				



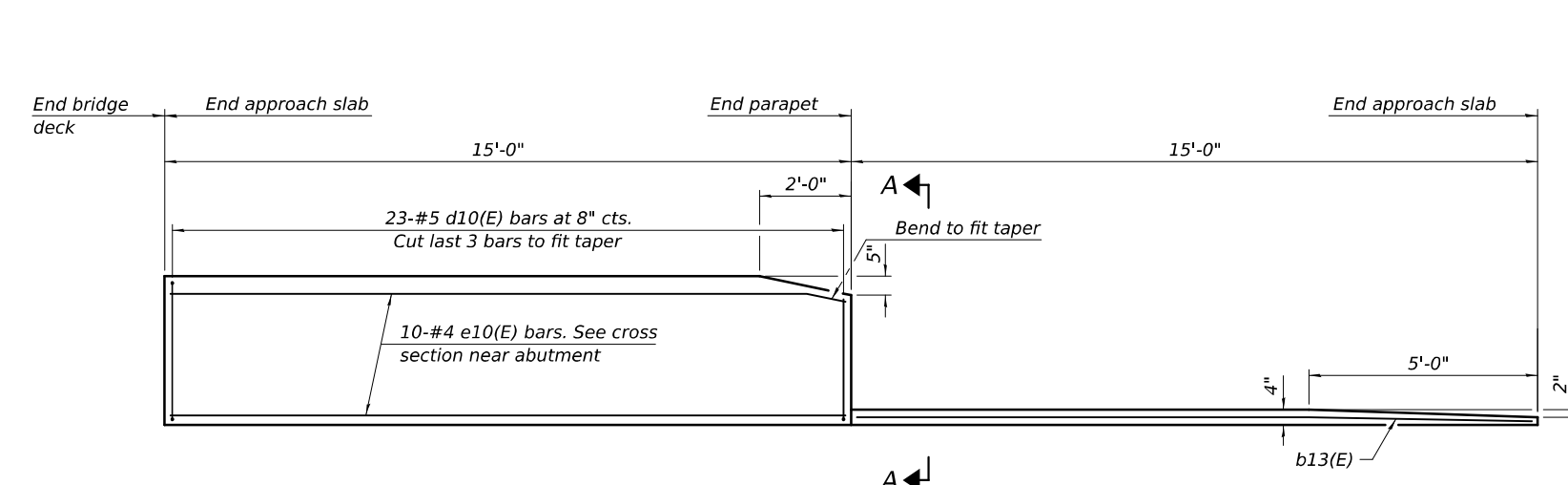
2" PJF (per Article 1051.09 of the Standard Specifications) bonded to wingwall with suitable adhesive as recommended by supplier.

CROSS SECTION (Looking North)

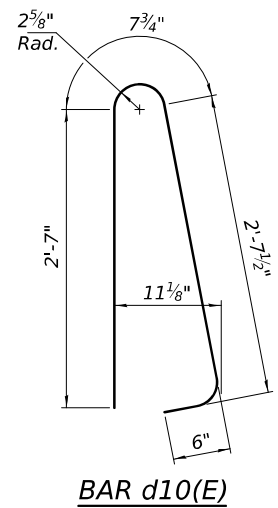


SECTION B-B

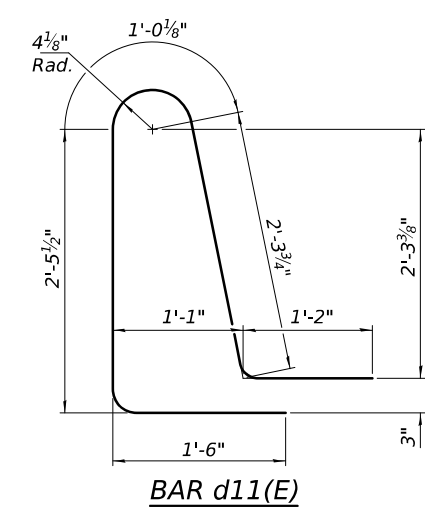
Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 25.



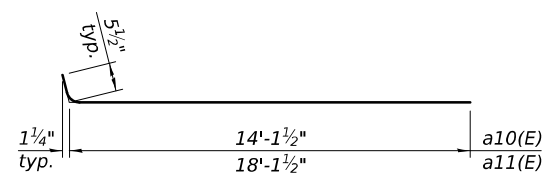
INSIDE ELEVATION OF PARAPET AND CURB



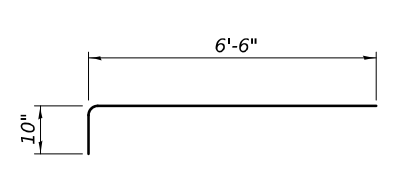
BAR d10(E)



BAR d11(E)



BAR a10(E) & a11(E)



BAR a12(E)

TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	92	#5	14'-7"	U
a11(E)	92	#5	18'-7"	U
a12(E)	92	#5	7'-4"	U
a13(E)	120	#8	14'-2"	U
a14(E)	120	#8	18'-2"	U
b10(E)	100	#5	29'-8"	U
b11(E)	158	#9	29'-8"	U
b12(E)	16	#5	14'-8"	U
b13(E)	4	#4	14'-8"	U
d10(E)	92	#5	6'-5"	U
d11(E)	92	#5	8'-6"	U
e10(E)	40	#4	14'-8"	U
t10(E)	136	#4	9'-8"	U
w10(E)	80	#5	14'-2"	U
w11(E)	80	#5	18'-2"	U
Concrete Superstructure		Cu. Yd.	7.8	
Concrete Superstructure (Approach Slab)		Cu. Yd.	94.6	
Concrete Structures		Cu. Yd.	20.4	
Reinforcement Bars, Epoxy Coated		Pound	38,960	

(Sheet 2 of 2)

MODEL: 0380231-66K94-014
 FILE NAME: p:\i\p\w\benley.com\FWIDOT\Documents\OBM Projects\0380231\CADData\Bridges\0380231-66K94-Design.dgn

DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Shuffler</i>	DATE - DECEMBER 11, 2024
CHECKED - RYAN P. NEGANGARD	PASSED - <i>Jayne F. [Signature]</i>	REVISIONS -
DRAWN - ANDRO R. SAMANIEGO		
CHECKED - T.L.A. / R.P.N.		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 038-0231

SHEET 14 OF 25 SHEETS

F.A.P. RTE. 332	SECTION (4BR-4)ES	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 36
CONTRACT NO. 66K94			ILLINOIS FED. AID PROJECT	

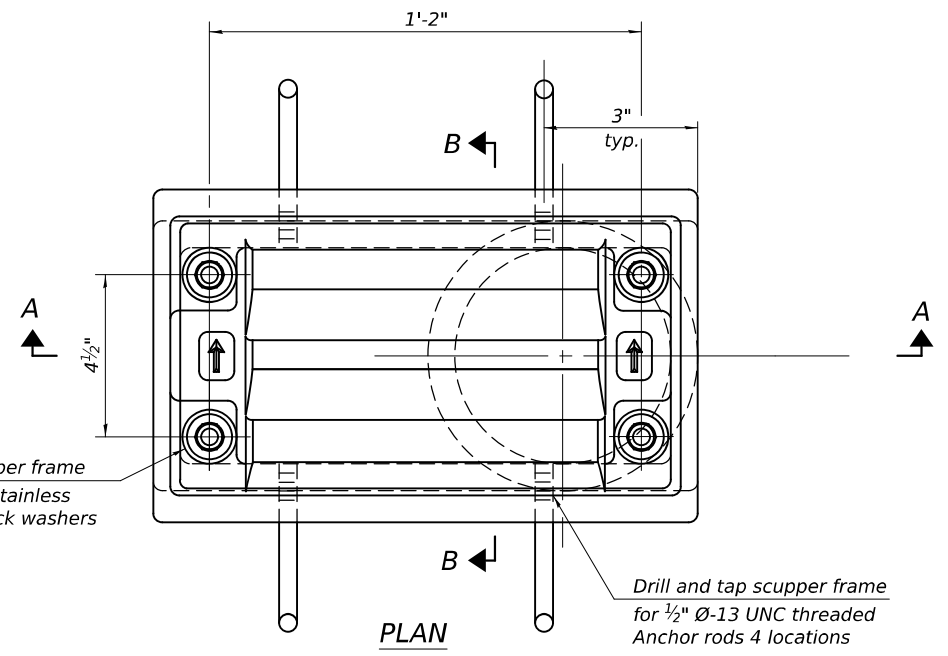
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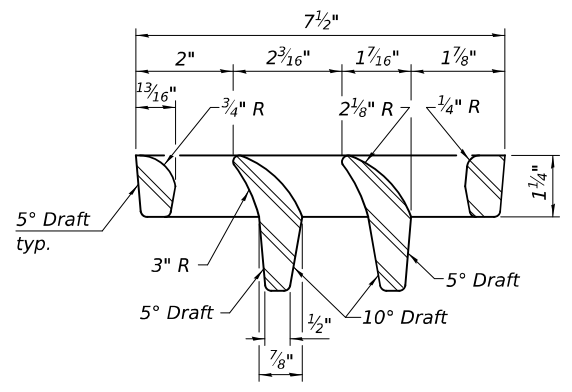
DS-11

5-15-2023

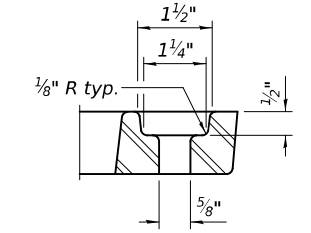
Drill and tap scupper frame for 1/2" Ø-13 UNC stainless steel bolts with lock washers 4 locations



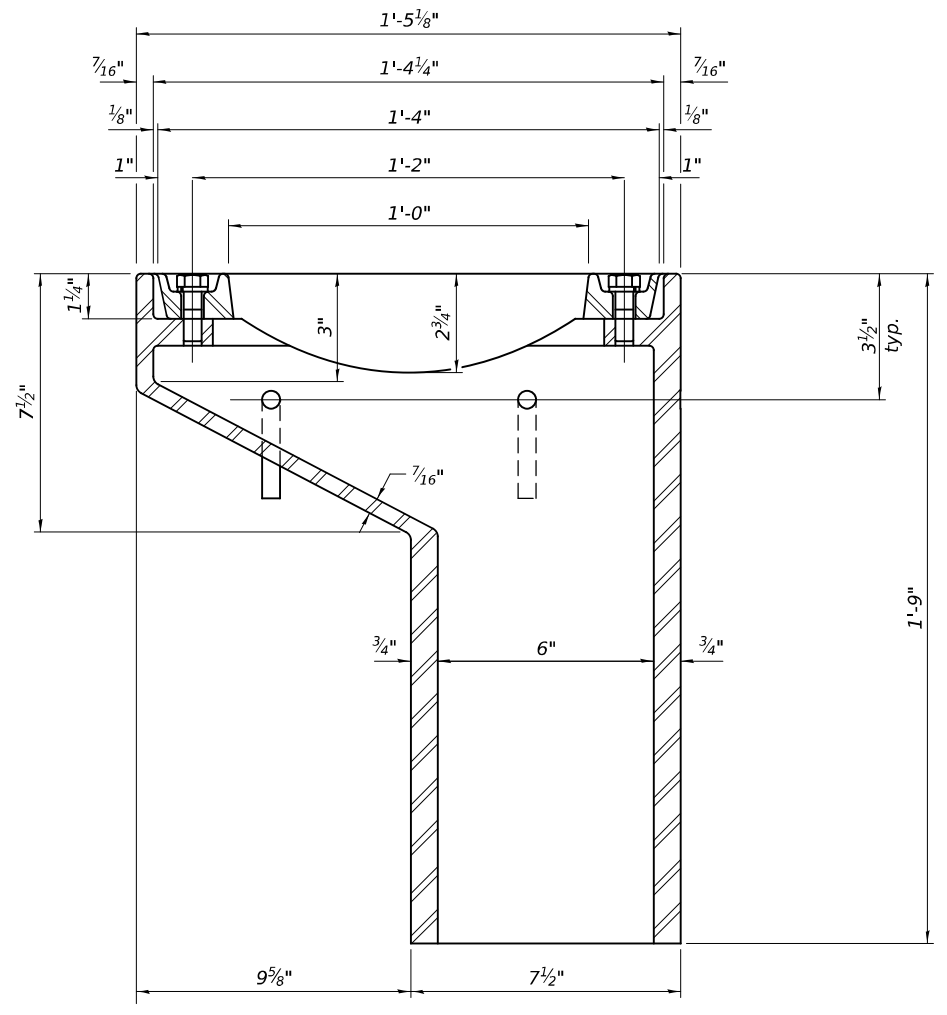
PLAN



VANE GRATE DETAIL

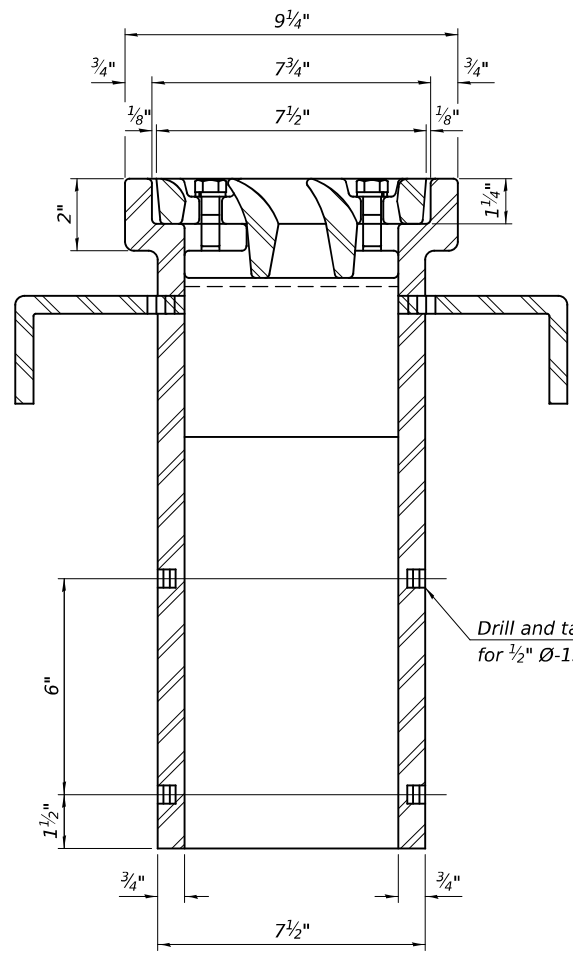


GRATE BOLT HOLE DETAIL



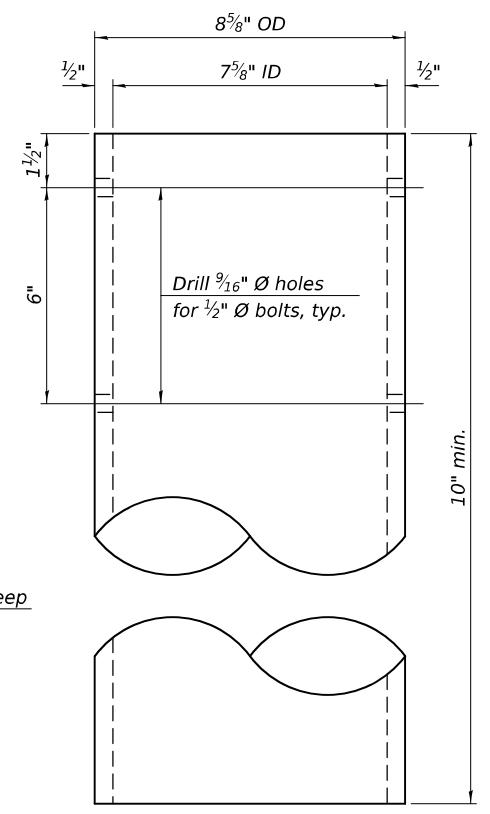
SECTION A-A

See sheet 12 of 25 for scupper location relative to parapet.

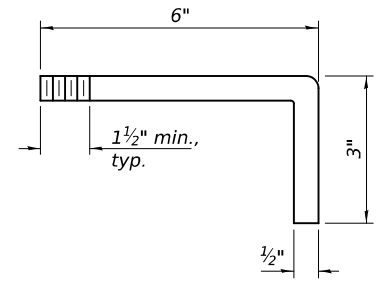


SECTION B-B

Drill and tap 4 holes 1/2" deep for 1/2" Ø-13 UNC bolts.



DOWNSPOUT



ANCHOR ROD DETAIL

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Drainage Scuppers, DS-11	Each	2

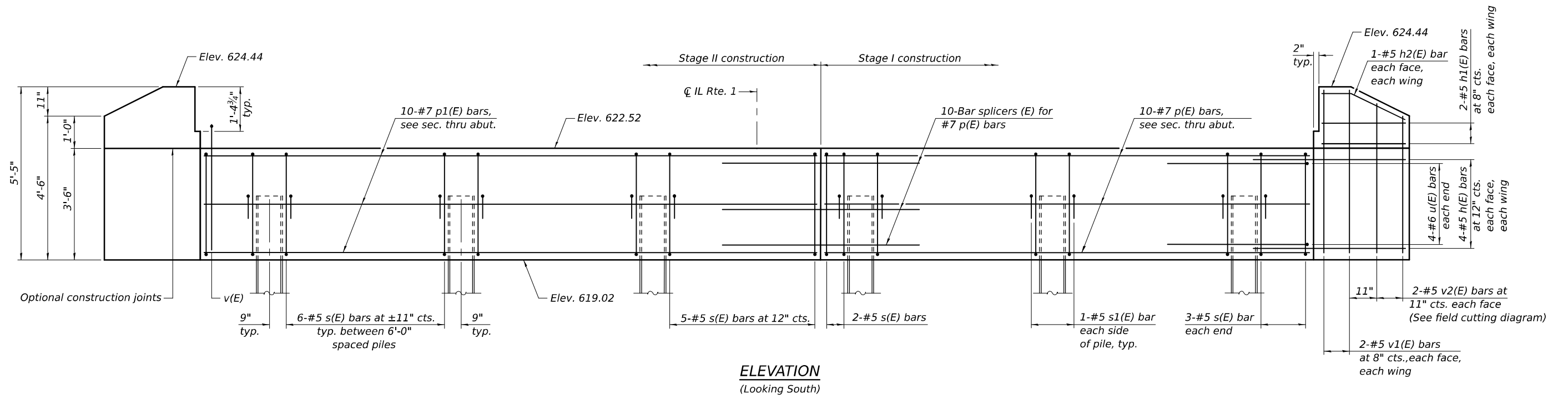
DESIGNED - TIFFANY L. ADAMS	EXAMINED - [Signature]	DATE - DECEMBER 11, 2024
CHECKED - RYAN P. NEGANGARD	PASSED - [Signature]	REVISED -
DRAWN - ANDRO R. SAMANIEGO		REVISED -
CHECKED - T.L.A. / R.P.N.		

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

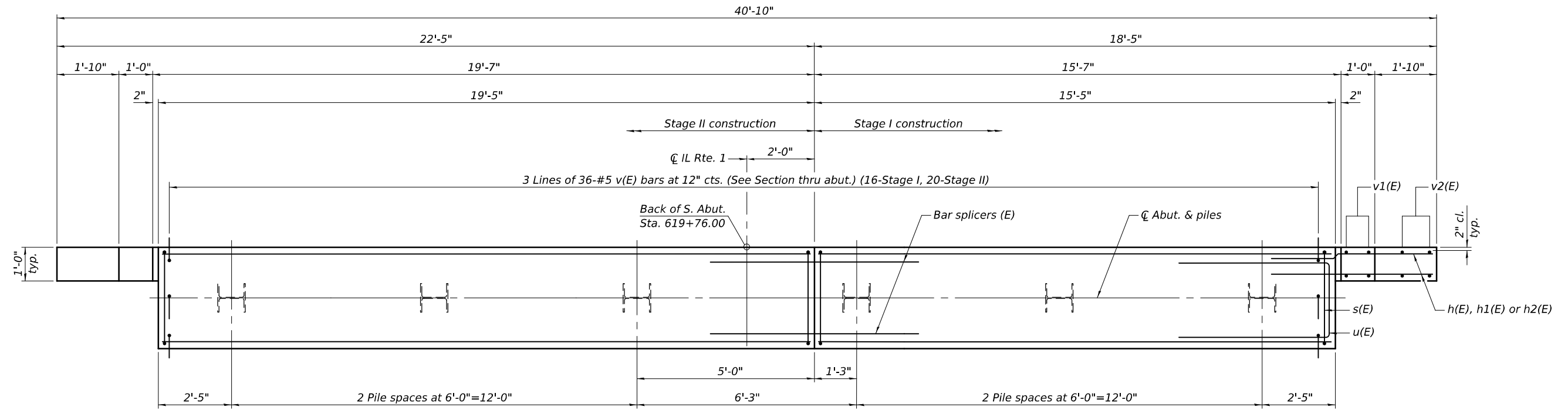
DRAINAGE SCUPPERS, DS-11 STRUCTURE NO. 038-0231

SHEET 15 OF 25 SHEETS

F.A.P. RTE. 332	SECTION (4BR-4)ES	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 37
CONTRACT NO. 66K94				
ILLINOIS FED.AID PROJECT				



ELEVATION
(Looking South)



PLAN

PILE DATA

Type: HP 12 x 63 with Pile Shoes
 Nominal Required Bearing: 497 kips
 Factored Resistance Available: 273 kips
 Est. Length: 45'-0"
 No. Production Piles: 5
 No. Test Piles: 1

Note:
 See sheet 18 of 25 for additional details and Bill of Materials.

MODEL: 0380231-66K94-016
 FILE NAME: p:\i\p\w\benley.com\FWIDOT\Documents\OBM Projects\0380231\CADD\Bridges\0380231-66K94-Design.dgn
 12/11/2024 3:02:29 PM

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

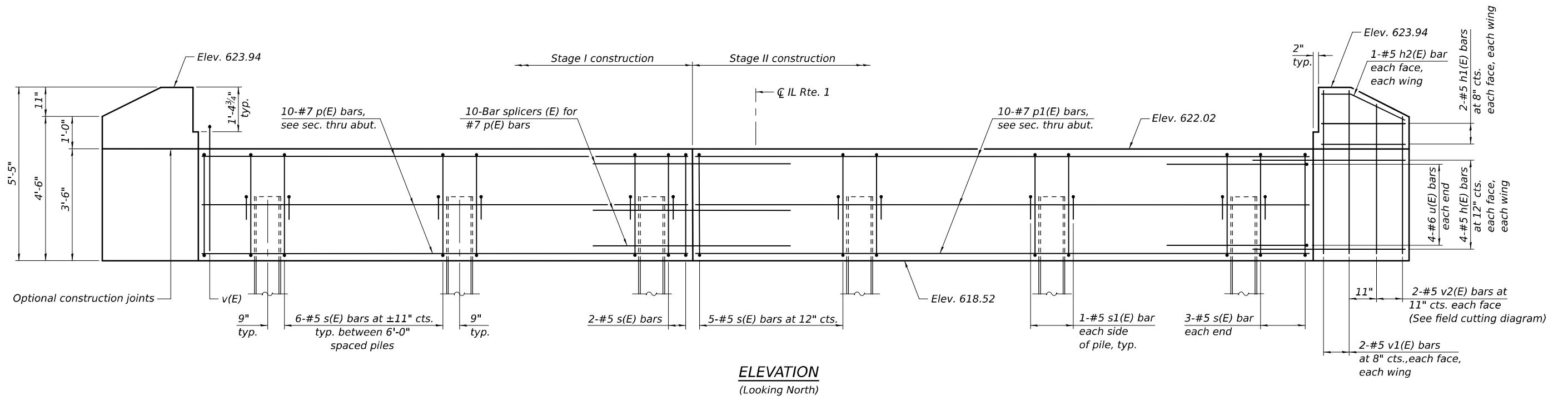
EXAMINED	<i>Mark Shuffler</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Jayne F. [Signature]</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	DECEMBER 11, 2024
REVISED -	
REVISED -	

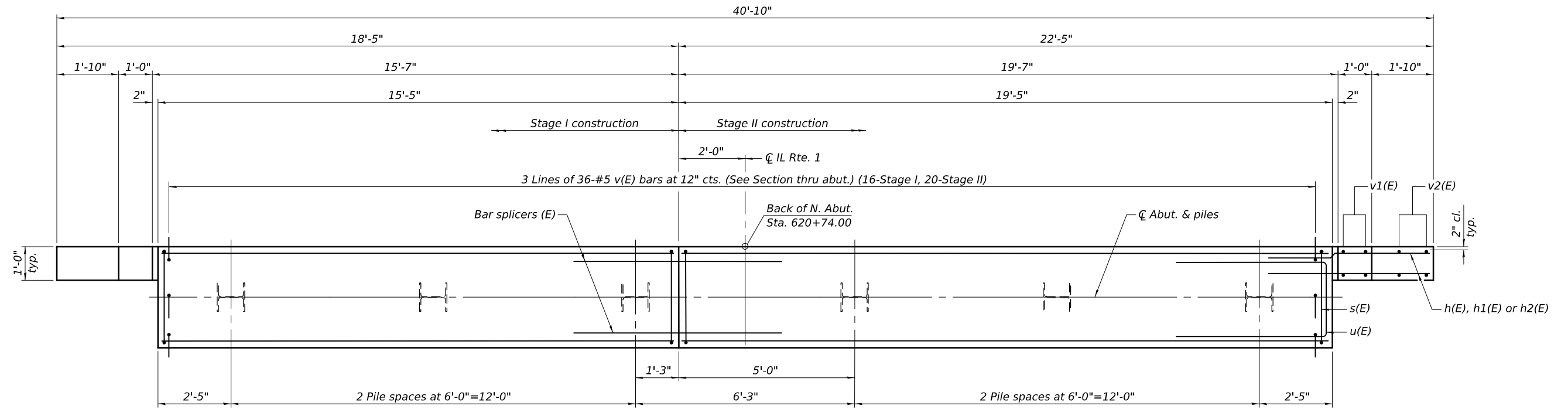
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH ABUTMENT
STRUCTURE NO. 038-0231
 SHEET 16 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	38
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				



ELEVATION
(Looking North)



PLAN

PILE DATA

Type: HP 12 x 63 with Pile Shoes
 Nominal Required Bearing: 497 kips
 Factored Resistance Available: 273 kips
 Est. Length: 45'-0"
 No. Production Piles: 5
 No. Test Piles: 1

Note:
 See sheet 18 of 25 for additional details and Bill of Materials.

MODEL: 0380231-66K94-017
 FILE NAME: p:\i\p\w\benley.com\FW\DOT\Documents\OBM Projects\0380231\CADD\Bridges\0380231-66K94-Design.dgn

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	<i>Mark Shuffler</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Jaime F. ...</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	DECEMBER 11, 2024
REVISED -	
REVISED -	

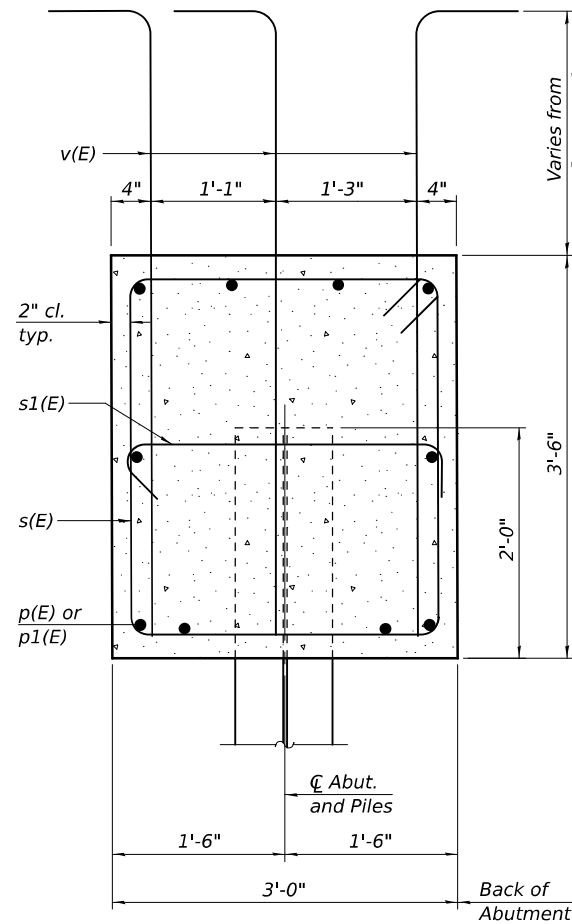
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH ABUTMENT
STRUCTURE NO. 038-0231

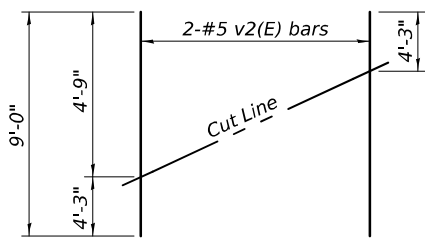
SHEET 17 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	39
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

MODEL: 0380231-66K94-018
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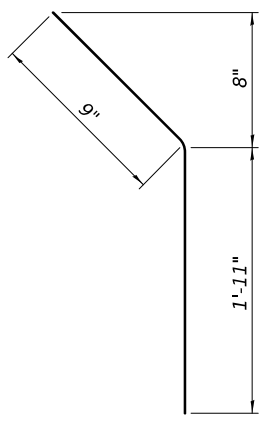


SECTION THRU ABUTMENT

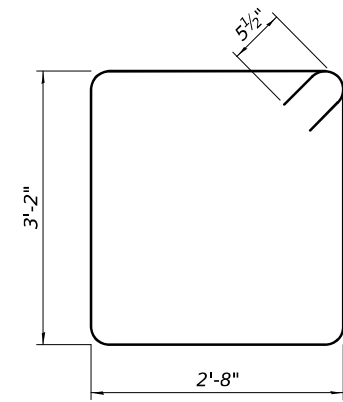


FIELD CUTTING DIAGRAM

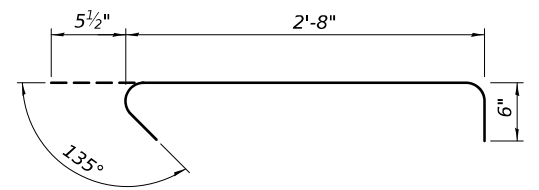
Order v2(E) full length. Cut as shown and use remainder of bars in opposite wing.



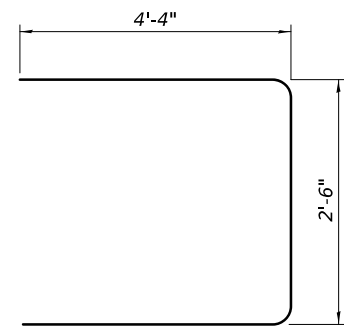
BAR h2(E)



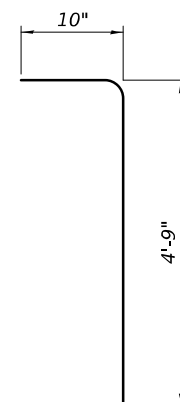
BAR s(E)



BAR s1(E)



BAR u(E)



BAR v(E)

**SOUTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	16	#5	5'-7"	—
h1(E)	8	#5	2'-6"	—
h2(E)	4	#5	2'-8"	↙
p(E)	10	#7	15'-1"	—
p1(E)	10	#7	19'-1"	—
s(E)	37	#5	12'-7"	⊠
s1(E)	12	#5	3'-8"	↙
u(E)	8	#6	11'-2"	⊠
v(E)	108	#5	5'-7"	┌
v1(E)	8	#5	5'-1"	—
v2(E)	4	#5	9'-0"	—
Structure Excavation			Cu. Yd.	52
Concrete Structures			Cu. Yd.	14.7
Reinforcement Bars, Epoxy Coated			Pound	2,200
Furnishing Steel Piles HP 12 x 63			Foot	225
Driving Piles HP 12 x 63			Foot	225
Test Pile Steel HP 12 x 63			Each	1
Pile Shoes			Each	6

**NORTH ABUTMENT
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h(E)	16	#5	5'-7"	—
h1(E)	8	#5	2'-6"	—
h2(E)	4	#5	2'-8"	↙
p(E)	10	#7	15'-1"	—
p1(E)	10	#7	19'-1"	—
s(E)	37	#5	12'-7"	⊠
s1(E)	12	#5	3'-8"	↙
u(E)	8	#6	11'-2"	⊠
v(E)	108	#5	5'-7"	┌
v1(E)	8	#5	5'-1"	—
v2(E)	4	#5	9'-0"	—
Structure Excavation			Cu. Yd.	52
Concrete Structures			Cu. Yd.	14.7
Reinforcement Bars, Epoxy Coated			Pound	2,200
Furnishing Steel Piles HP 12 x 63			Foot	225
Driving Piles HP 12 x 63			Foot	225
Test Pile Steel HP 12 x 63			Each	1
Pile Shoes			Each	6

Note:
See sheet 21 of 25 for details of piles.

DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Shuffler</i>	DATE - DECEMBER 11, 2024
CHECKED - RYAN P. NEGANGARD	PASSED - <i>Jayne F. [Signature]</i>	REVISER -
DRAWN - ANDRO R. SAMANIEGO	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -
CHECKED - T.L.A. / R.P.N.		

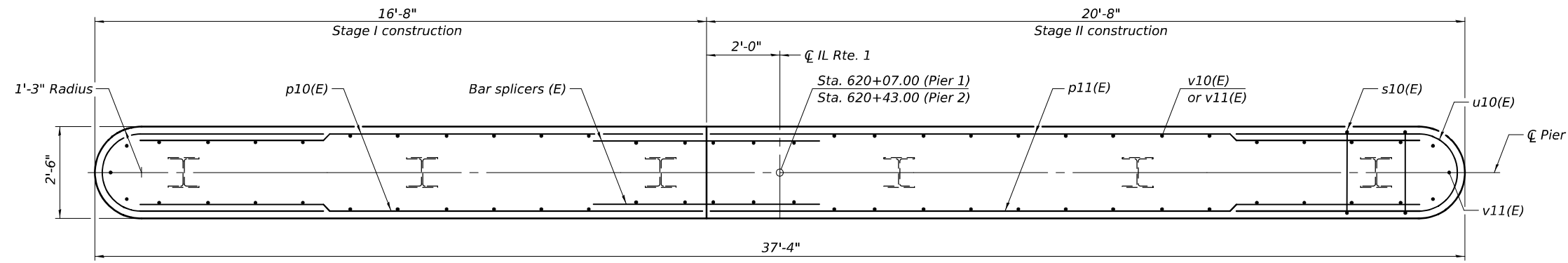
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT DETAILS
STRUCTURE NO. 038-0231**

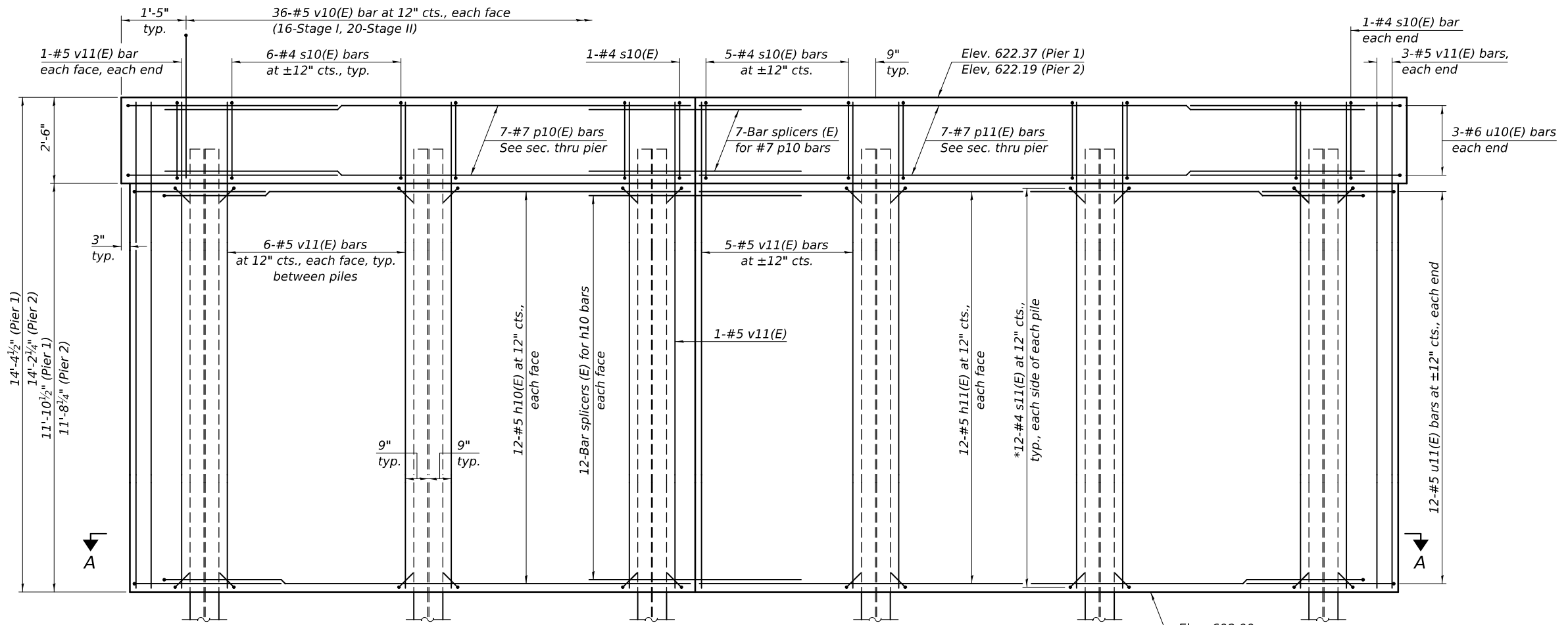
SHEET 18 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	40
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

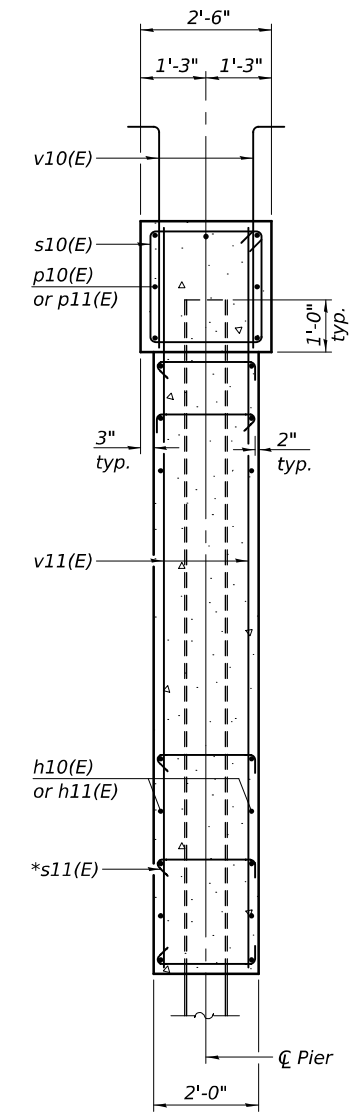
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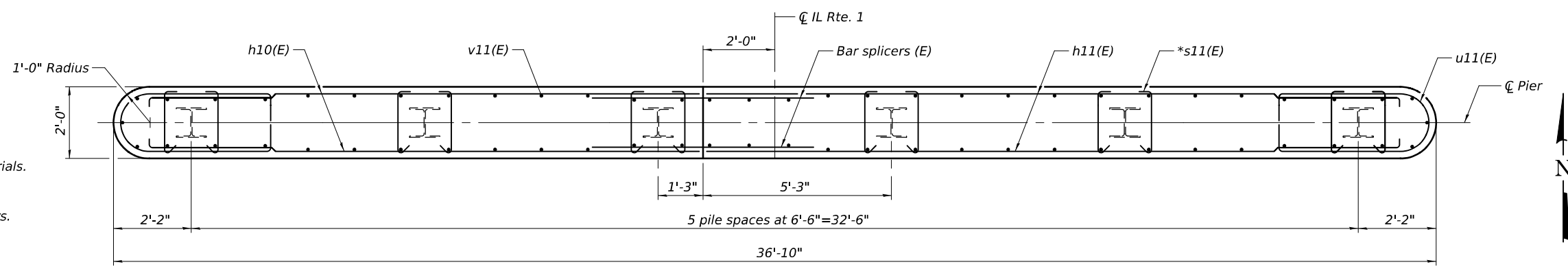
PLAN



ELEVATION
(Looking North)



SECTION THRU PIER



SECTION A-A

Notes:
See sheet 20 of 25 for additional details and Bill of Materials.
See sheet 21 of 25 for pile details.
Alternate s11(E) bar 135° end every other row.
*Hook s11(E) bar around h10(E) or h11(E) and v11(E) bars.

MODEL: 0380231-66K94-019
FILE NAME: p:\work\p11\DOT\Documents\OBM Projects\0380231\CADD\Bridges\0380231-66K94-Design.dgn

DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Shuffin</i> ENGINEER OF BRIDGE DESIGN	DATE - DECEMBER 11, 2024
CHECKED - RYAN P. NEGANGARD	PASSED - <i>Jayne F. [Signature]</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - ANDRO R. SAMANIEGO		REVISED -
CHECKED - T.L.A. / R.P.N.		

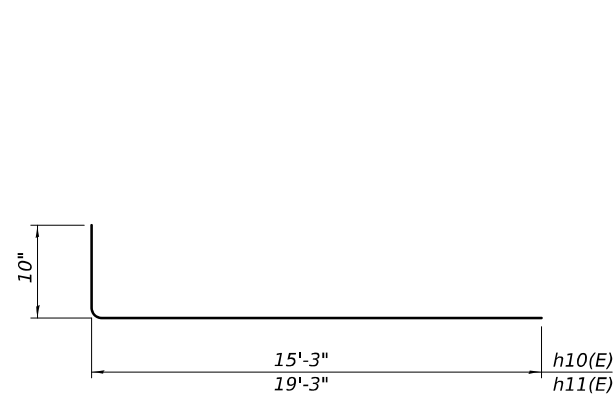
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER 1 & 2
STRUCTURE NO. 038-0231

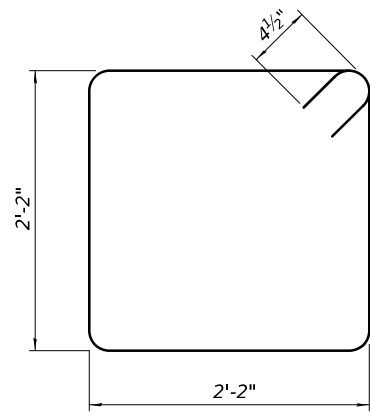
SHEET 19 OF 25 SHEETS

F.A.P. RTE. 332	SECTION (4BR-4)ES	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 41
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

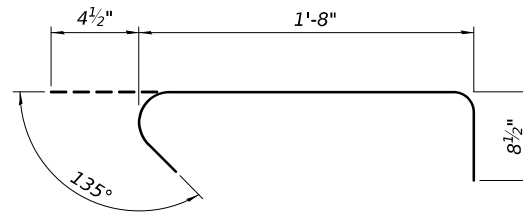
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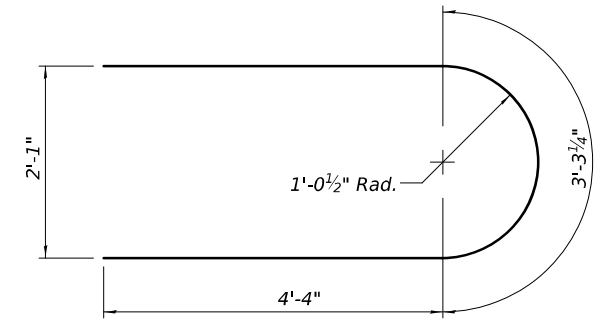
BAR h10(E) & h11(E)



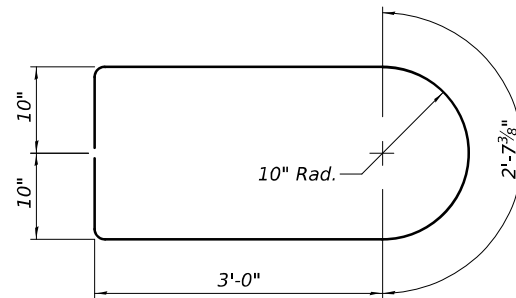
BAR s10(E)



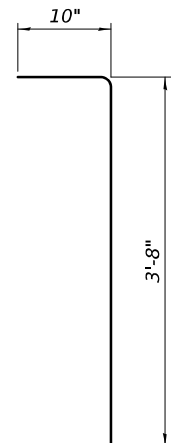
BAR s11(E)



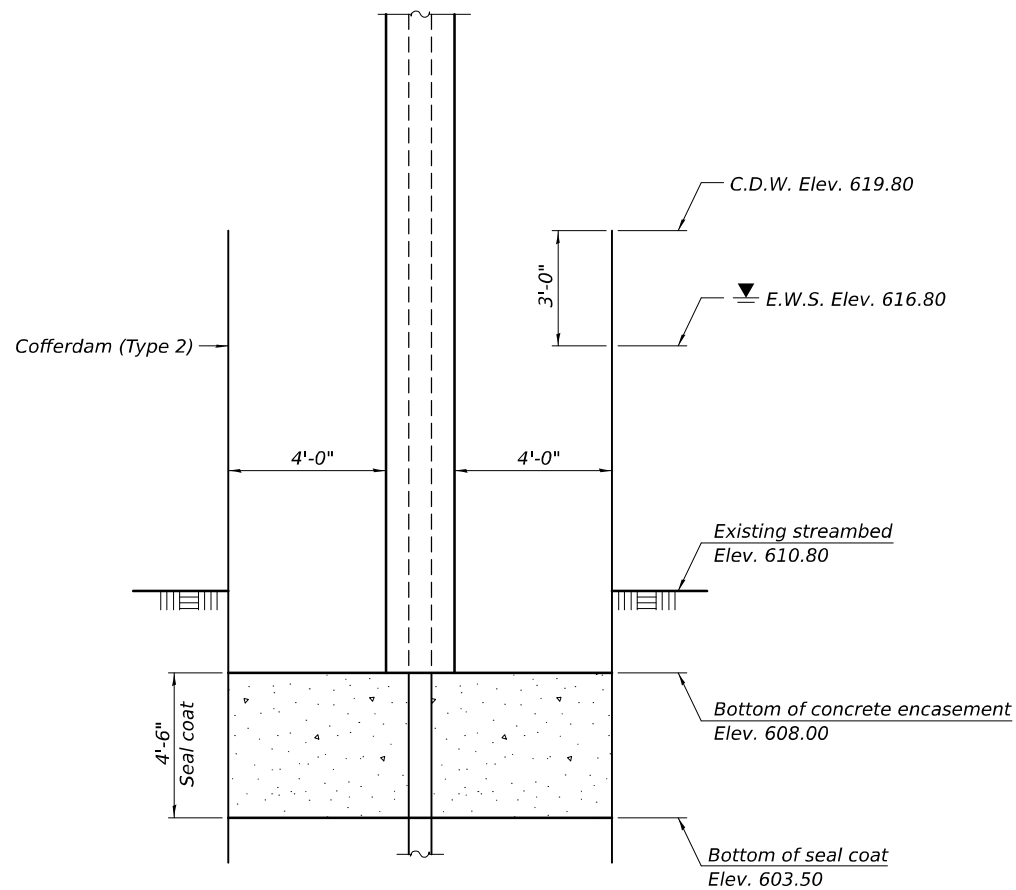
BAR u10(E)



BAR u11(E)



BAR v10(E)



COFFERDAM DETAIL

**PIER 1
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h10(E)	24	#5	16'-1"	┌──
h11(E)	24	#5	20'-1"	┌──
p10(E)	7	#7	15'-3"	──
p11(E)	7	#7	19'-3"	──
s10(E)	32	#4	9'-5"	┌┐
s11(E)	144	#4	2'-9"	┌┐
u10(E)	6	#6	12'-0"	┌┐
u11(E)	24	#5	10'-4"	┌┐
v10(E)	72	#5	4'-6"	┌
v11(E)	70	#5	13'-10"	──
Concrete Structures		Cu. Yd.	40.5	
Cofferdam Excavation		Cu. Yd.	105	
Cofferdam (Type 2) (Location-1)		Each	1	
Seal Coat Concrete		Cu. Yd.	74.7	
Reinforcement Bars, Epoxy Coated		Pound	3,580	
Furnishing Steel Piles HP 12 X 63		Foot	270	
Driving Piles		Foot	270	
Pile Shoes		Each	6	

**PIER 1
PIER DATA**

Type: HP 12 x 63 with Pile Shoes
 Nominal Required Bearing: 497 kips
 Factored Resistance Available: 293 kips
 Est. Length: 45'-0"
 No. Production Piles: 6
 No. Test Piles: 0

**PIER 2
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h10(E)	24	#5	16'-1"	┌──
h11(E)	24	#5	20'-1"	┌──
p10(E)	7	#7	15'-3"	──
p11(E)	7	#7	19'-3"	──
s10(E)	32	#4	9'-5"	┌┐
s11(E)	144	#4	2'-9"	┌┐
u10(E)	6	#6	12'-0"	┌┐
u11(E)	24	#5	10'-4"	┌┐
v10(E)	72	#5	4'-6"	┌
v11(E)	70	#5	13'-10"	──
Concrete Structures		Cu. Yd.	40.0	
Cofferdam Excavation		Cu. Yd.	105	
Cofferdam (Type 2) (Location-2)		Each	1	
Seal Coat Concrete		Cu. Yd.	74.7	
Reinforcement Bars, Epoxy Coated		Pound	3,580	
Furnishing Steel Piles HP 12 X 63		Foot	270	
Driving Piles		Foot	270	
Pile Shoes		Each	6	

**PIER 2
PIER DATA**

Type: HP 12 x 63 with Pile Shoes
 Nominal Required Bearing: 497 kips
 Factored Resistance Available: 293 kips
 Est. Length: 45'-0"
 No. Production Piles: 6
 No. Test Piles: 0

Note:
For details of piles, see sheet 21 of 25.

MODEL: 0380231-66K94-020
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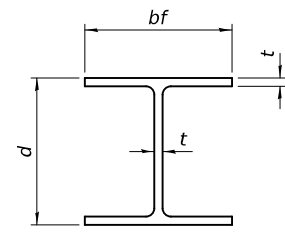
DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Shuffler</i>	DATE - DECEMBER 11, 2024
CHECKED - RYAN P. NEGANGARD	PASSED - <i>Jaime F. [Signature]</i>	REVISER -
DRAWN - ANDRO R. SAMANIEGO	ENGINEER OF BRIDGES AND STRUCTURES	REVISER -
CHECKED - T.L.A. / R.P.N.		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER DETAILS
STRUCTURE NO. 038-0231

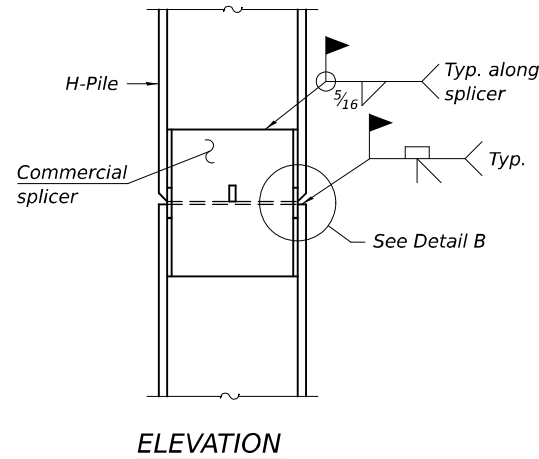
SHEET 20 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 66K94	

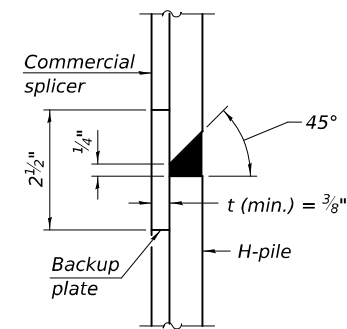


STEEL PILE TABLE

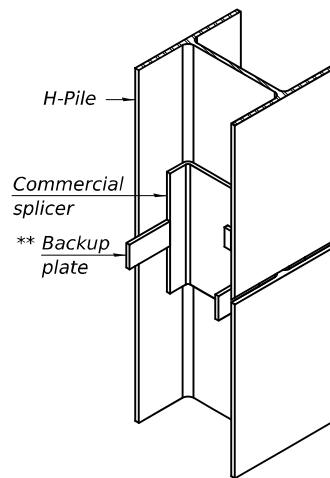
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 18x181	18	18	1	36"
x157	17 ³ / ₄ "	17 ⁷ / ₈ "	7/8"	36"
x135	17 ¹ / ₂ "	17 ³ / ₄ "	3/4"	36"
HP 16x183	16 ¹ / ₂ "	16 ¹ / ₂ "	1 ¹ / ₈ "	36"
x162	16 ¹ / ₄ "	16 ¹ / ₈ "	1"	36"
x141	16	16	7/8"	36"
x121	15 ³ / ₄ "	15 ⁷ / ₈ "	3/4"	36"
HP 14x117	14 ¹ / ₄ "	14 ⁷ / ₈ "	13/16"	30"
x102	14"	14 ³ / ₄ "	11/16"	30"
x89	13 ⁷ / ₈ "	14 ³ / ₄ "	5/8"	30"
x73	13 ⁵ / ₈ "	14 ⁵ / ₈ "	1/2"	30"
HP 12x84	12 ¹ / ₄ "	12 ¹ / ₄ "	11/16"	24"
x74	12 ¹ / ₈ "	12 ¹ / ₄ "	5/8"	24"
x63	12"	12 ¹ / ₈ "	1/2"	24"
x53	11 ³ / ₄ "	12"	7/16"	24"
HP 10x57	10"	10 ¹ / ₄ "	9/16"	24"
x42	9 ³ / ₄ "	10 ¹ / ₈ "	7/16"	24"
HP 8x36	8"	8 ¹ / ₈ "	7/16"	18"



ELEVATION

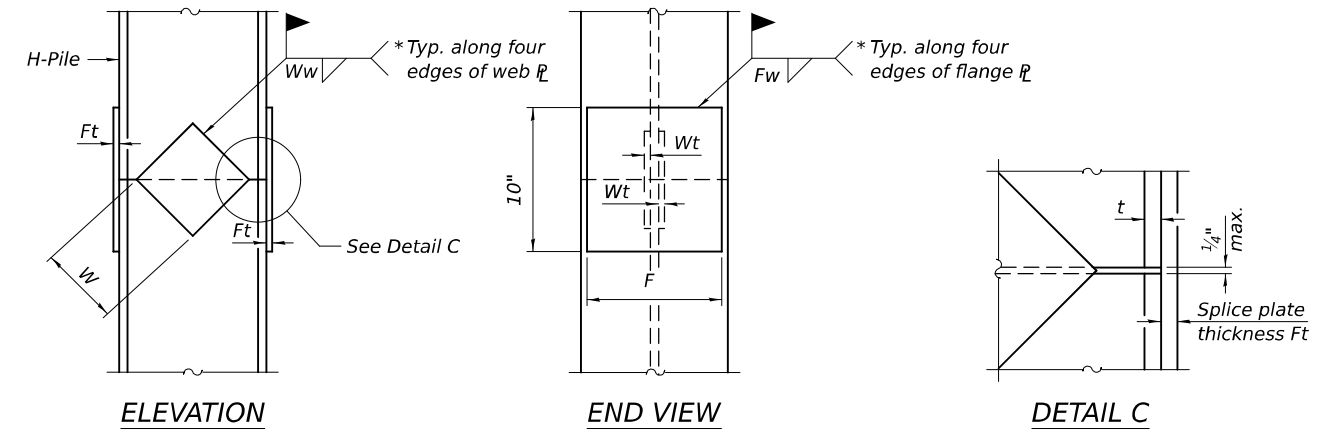


DETAIL B



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



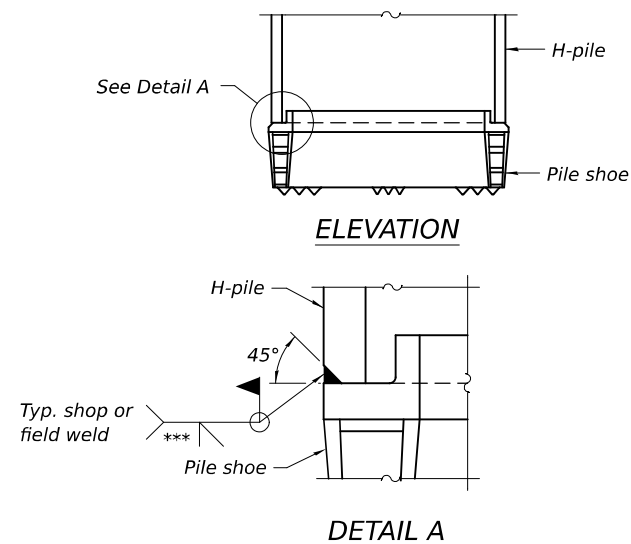
ELEVATION

END VIEW

DETAIL C

Designation	F	Ft	Fw	W	Wt	Ww
HP 18x181	15 ¹ / ₂ "	1 ¹ / ₂ "	1"	9 ¹ / ₂ "	7/8"	3/4"
x157	15 ¹ / ₄ "	1 ¹ / ₄ "	1"	9 ¹ / ₂ "	7/8"	3/4"
x135	15 ¹ / ₄ "	1 ¹ / ₄ "	1"	9 ¹ / ₂ "	7/8"	3/4"
HP 16x183	13 ³ / ₄ "	1 ¹ / ₂ "	1"	8 ¹ / ₄ "	7/8"	3/4"
x162	13 ¹ / ₂ "	1 ¹ / ₂ "	1"	8 ¹ / ₄ "	3/4"	5/8"
x141	13 ¹ / ₂ "	1 ¹ / ₄ "	7/8"	8 ¹ / ₄ "	3/4"	5/8"
x121	13 ¹ / ₂ "	1 ¹ / ₄ "	7/8"	8 ¹ / ₄ "	3/4"	5/8"
HP 14x117	12 ¹ / ₂ "	1 ¹ / ₄ "	7/8"	7 ³ / ₄ "	5/8"	1/2"
x102	12 ¹ / ₂ "	1"	3/4"	7 ³ / ₄ "	5/8"	1/2"
x89	12 ¹ / ₂ "	7/8"	11/16"	7 ³ / ₄ "	5/8"	1/2"
x73	12 ¹ / ₂ "	3/4"	9/16"	7 ³ / ₄ "	5/8"	1/2"
HP 12x84	10"	1"	11/16"	6 ¹ / ₂ "	5/8"	1/2"
x74	10"	7/8"	11/16"	6 ¹ / ₂ "	5/8"	1/2"
x63	10"	3/4"	1/2"	6 ¹ / ₂ "	1/2"	3/8"
x53	10"	3/4"	1/2"	6 ¹ / ₂ "	1/2"	3/8"
HP 10x57	8"	7/8"	9/16"	5 ¹ / ₄ "	1/2"	3/8"
x42	8"	3/4"	9/16"	5 ¹ / ₄ "	1/2"	3/8"
HP 8x36	6 ³ / ₄ "	5/8"	7/16"	4"	1/2"	3/8"

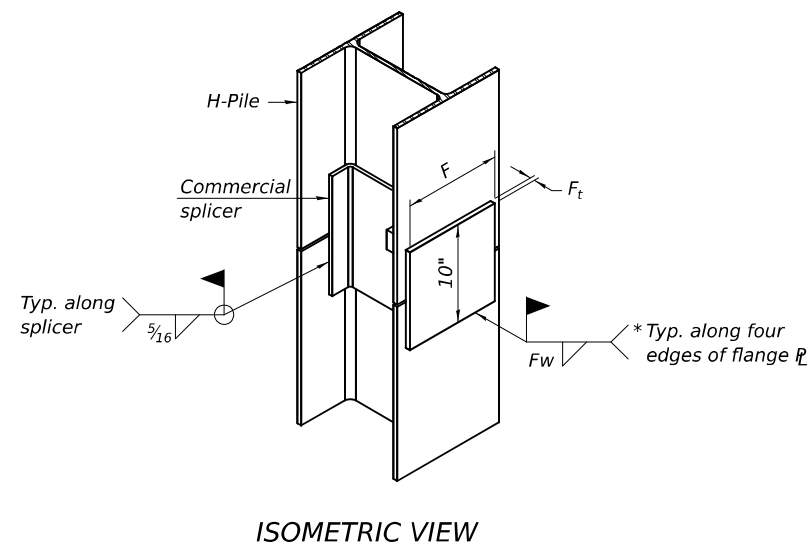
WELDED PLATE FIELD SPLICE



ELEVATION

DETAIL A

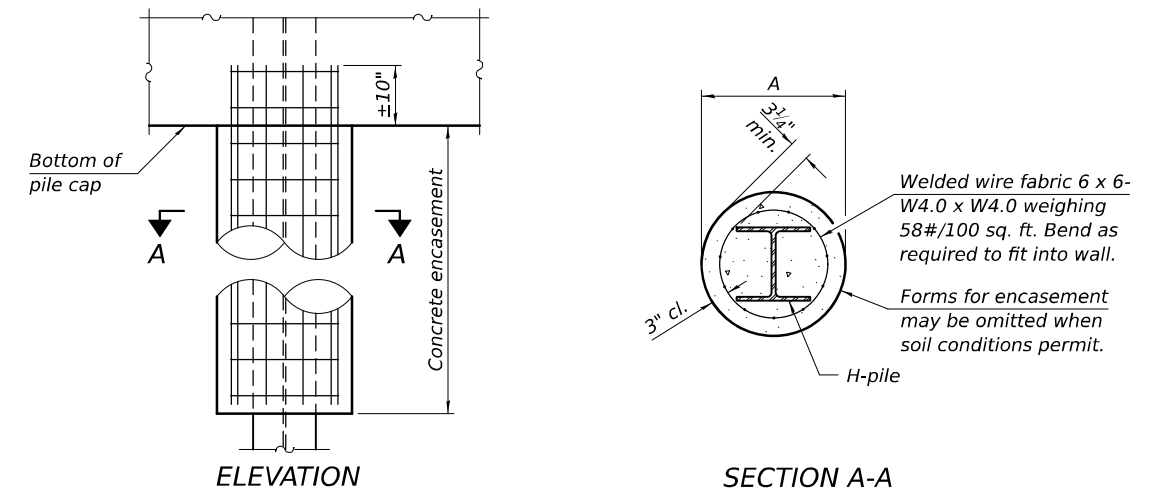
SHOE ATTACHMENT



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).



ELEVATION

SECTION A-A

INDIVIDUAL PILE CONCRETE ENCASUREMENT (when specified)

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

F-HP 10-27-2023

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	<i>Mark Shuffler</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Jaime F. Dehoff</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	DECEMBER 11, 2024
REVISED -	
REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

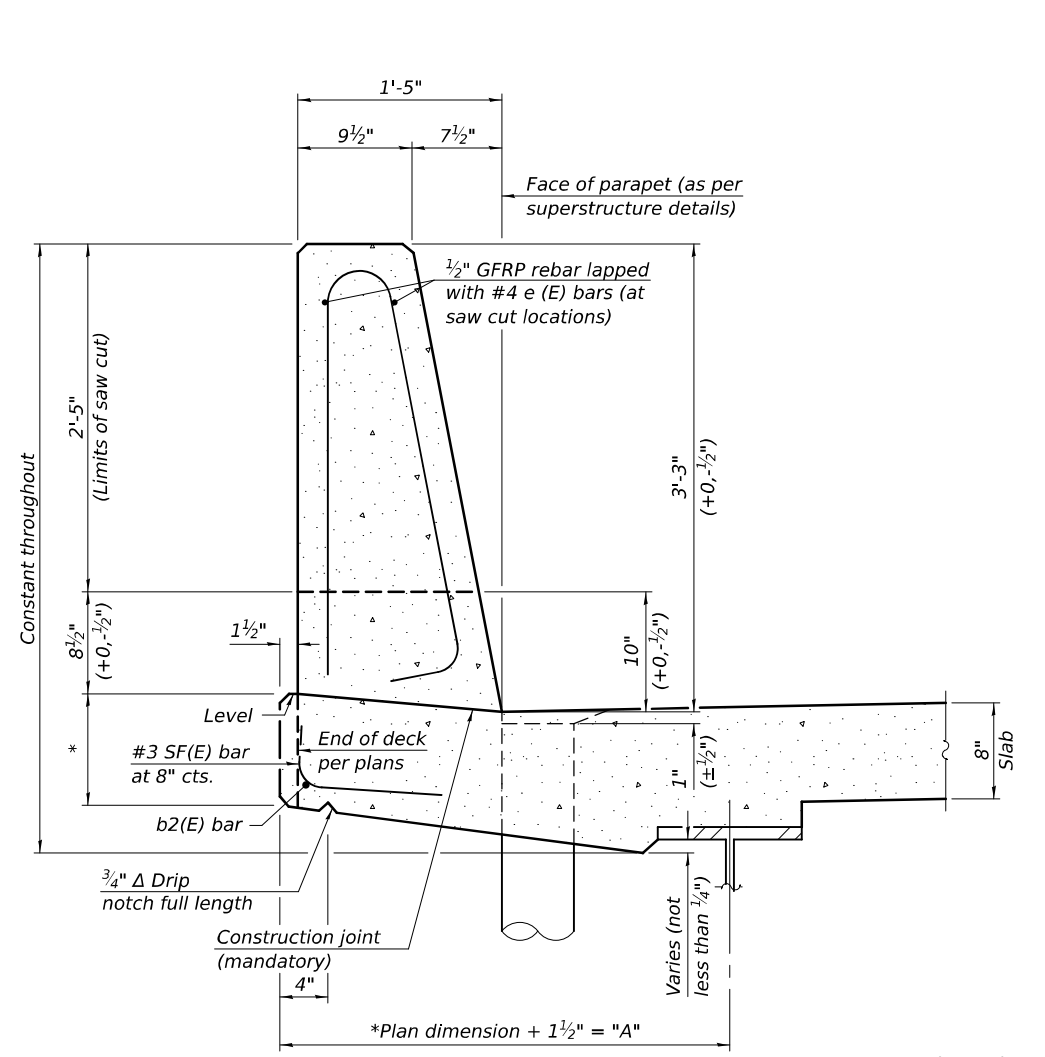
HP PILE DETAILS
STRUCTURE NO. 038-0231

SHEET 21 OF 25 SHEETS

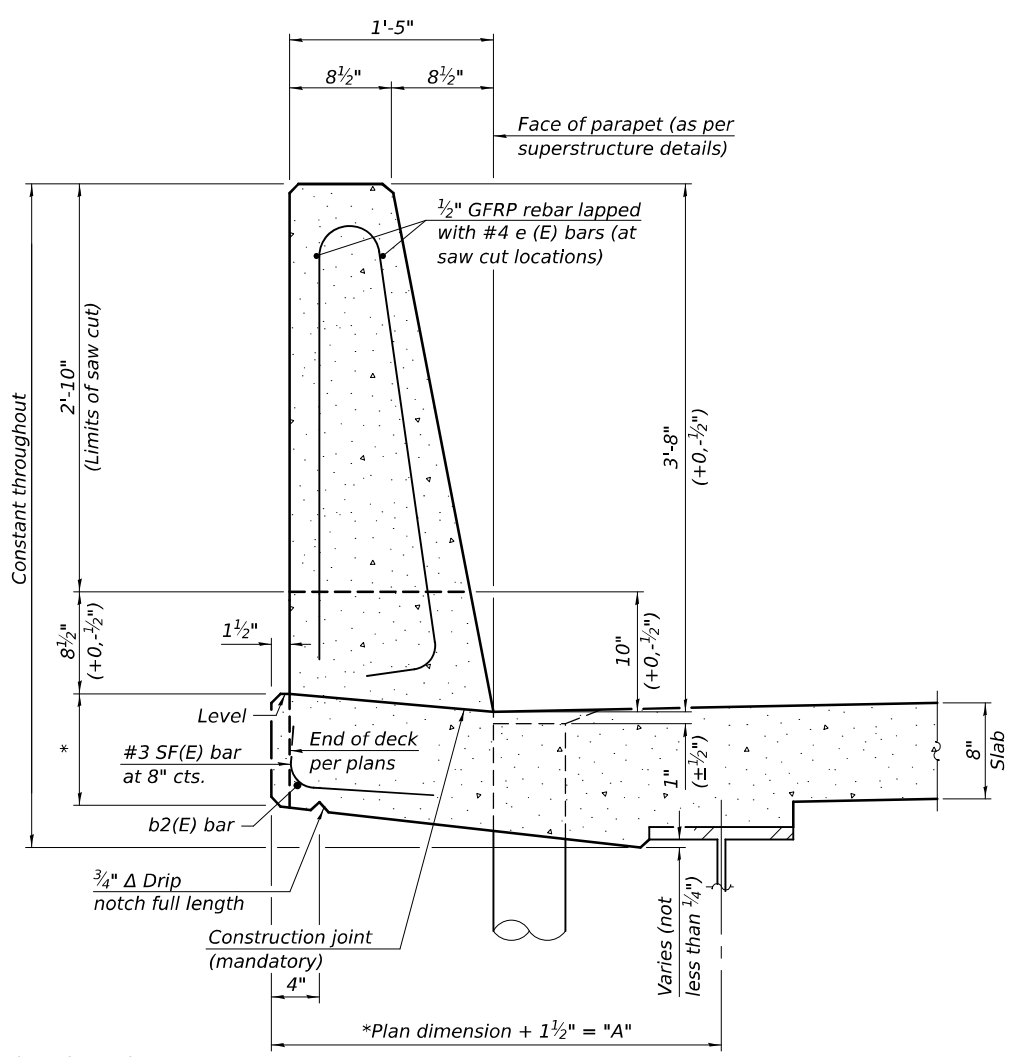
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	43
CONTRACT NO. 66K94				
ILLINOIS FED.AID PROJECT				

MODEL: 0380231-66K94-021
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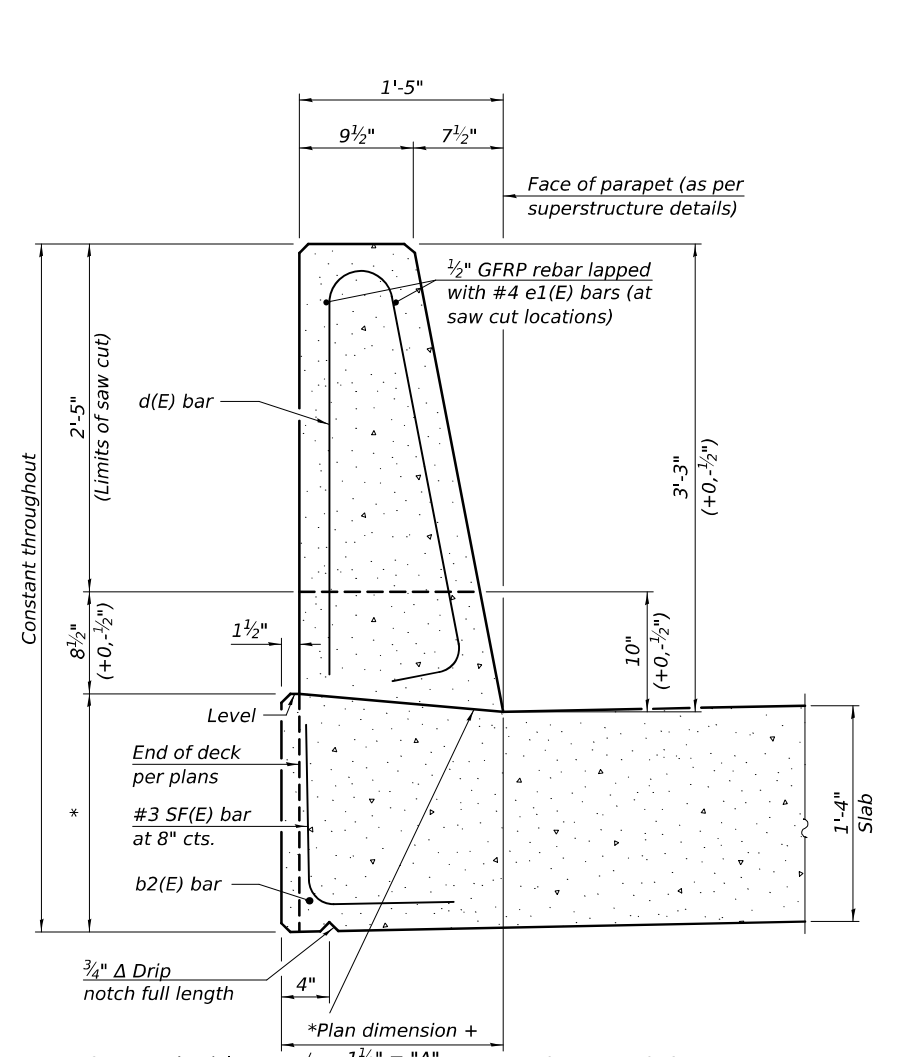
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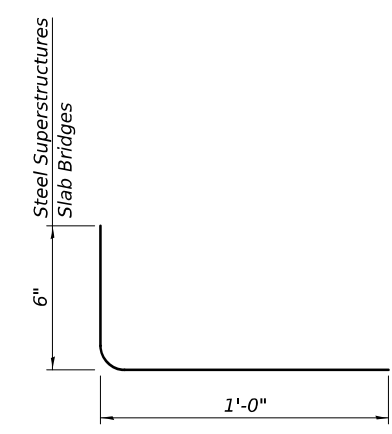
**39" CONSTANT-SLOPE
 PARAPET SECTION**
 (Showing dimensions, d(E), and 1/2" Ø GFRP rebar)



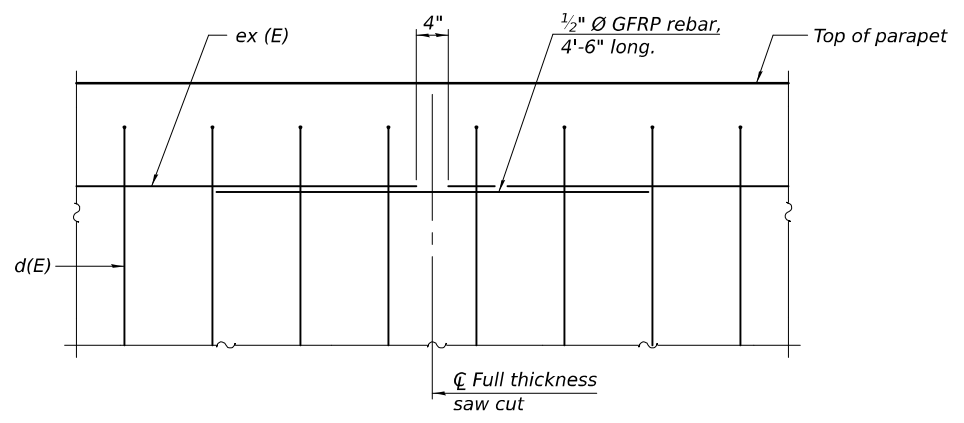
**44" CONSTANT-SLOPE
 PARAPET SECTION**
 (Showing dimensions, d(E), and 1/2" Ø GFRP rebar)
 *See Superstructure Details.



**39" CONSTANT-SLOPE
 PARAPET SECTION**
 (Showing dimensions, d(E), and 1/2" Ø GFRP rebar)



SF(E) BAR



DETAIL - GFRP REBAR STIFFENING ELEVATION

(Place as shown in parapet section at each parapet joint location.)

Notes:
 All dimensions shall remain the same as shown on superstructure details, except dimension "A" which is to be revised as shown. Additional concrete needed to revise dimension "A" (39" and 44" parapets):
 Steel Superstructures: 0.00348 cu. yds./ft.
 Slab Bridge Superstructures: 0.00689 cu. yds./ft.
 Place full depth aluminum sheets as shown on superstructure details. Replace all cork joint filler locations with a full thickness saw cut. Steel and slab superstructures shown. Other superstructure types similar.

SFP 39-44

10/27/2023

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED	<i>Mark Shuffler</i> ENGINEER OF BRIDGE DESIGN
PASSED	<i>Jaime F. [Signature]</i> ENGINEER OF BRIDGES AND STRUCTURES

DATE -	DECEMBER 11, 2024
REVISED -	
REVISED -	

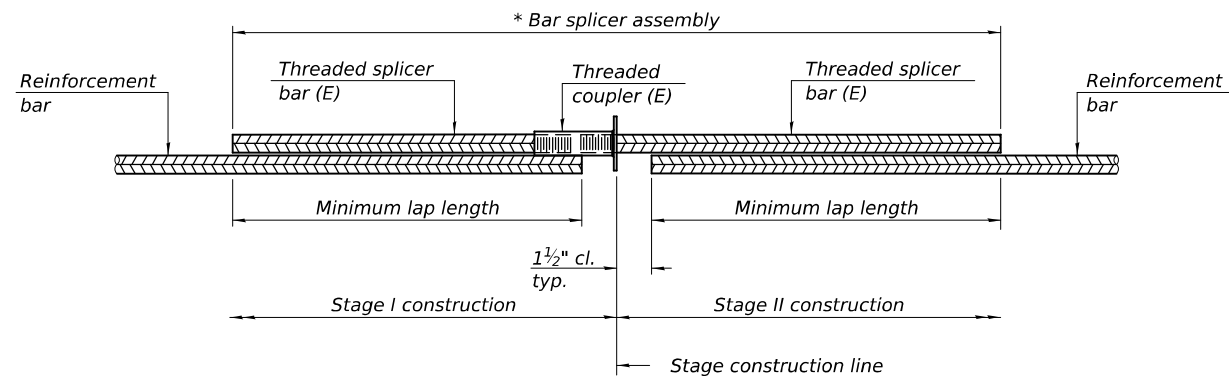
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CONCRETE PARAPET SLIPFORMING OPTION
 STRUCTURE NO. 038-0231**

SHEET 22 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	44
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

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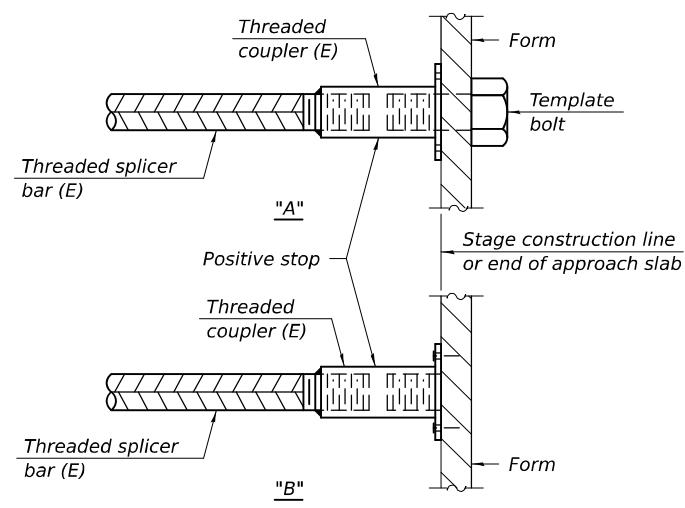
STANDARD BAR SPLICER ASSEMBLY PLAN

Only bar splicer assemblies as presented on the approved QPL list may be used.

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

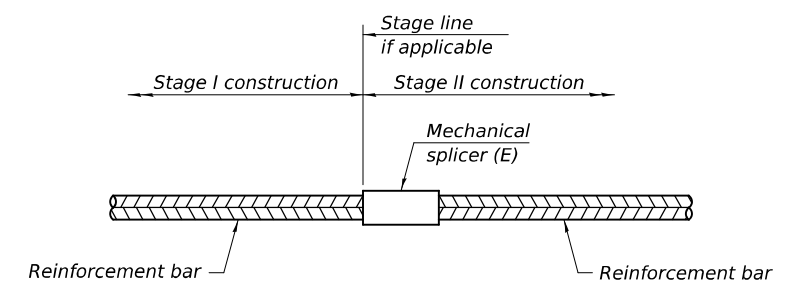
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Slab (top)	#6	145	4'-0"
Slab (bottom)	#6	193	3'-7"
Over Abutment/Pier	#5	8	3'-0"
Appr. Slab (top)	#5	92	3'-4"
Appr. Slab (bottom)	#8	120	4'-9"
Approach Footings	#5	80	3'-2"
Abutment Caps	#7	20	5'-0"
Pier Caps	#7	14	5'-0"
Pier Walls	#5	48	3'-7"



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required

Notes:
 Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

MODEL: 0380231-66K94-023
 FILE NAME: pw://idoc-pw.bentley.com/PW/IDOT/Documents/IDOT_O_ces/Bureau of Bridges and Structures/OBM Projects/0380231-CADData/Bridge/0380231-66K94-Design.dgn

BSD-1

5-15-2023

DESIGNED -	TIFFANY L. ADAMS
CHECKED -	RYAN P. NEGANGARD
DRAWN -	ANDRO R. SAMANIEGO
CHECKED -	T.L.A. / R.P.N.

EXAMINED		DATE -	DECEMBER 11, 2024
PASSED		REVISED -	
	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 038-0231**

SHEET 23 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	45
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

12/11/2024 3:02:31 PM

Page 1 of 2

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 8/25/20

ROUTE SBI-1 (IL 1) DESCRIPTION IL 1 over Little Beaver Creek, 1.2 miles North of Papineau Road LOGGED BY Larry Myers

SECTION J-15D-B-Y LOCATION NW 1/4, SEC. 21, TWP. 29N, RNG. 12W, 2nd PM, Latitude 40.98718, Longitude -87.73216

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev.	D B U M				E L C O				P T W S				H S Qu T			
					(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
038-0017 (Exlst.)	01 (S.E. Quad.)	620+25	7.0 ft RL	623.58																
Augered Bituminous, CA-6, Black Silty Clay Loam																				
621.08																				
Stiff Black Silty Clay Loam Fill																				
598.58-25																				
Very Stiff to Stiff Gray Clay																				
614.08																				
Wood, Gravel, Construction Debris																				
611.58																				
Stiff Gray Silty Clay																				
609.08																				
Loose Black & Gray Fine to Medium Angular Gravel - Loamy with Clay Pieces																				
584.08																				
-20																				

SOIL BORING 038-0017.GPJ IL_DOT.GDT 3/11/24

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

Page 2 of 2

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 8/25/20

ROUTE SBI-1 (IL 1) DESCRIPTION IL 1 over Little Beaver Creek, 1.2 miles North of Papineau Road LOGGED BY Larry Myers

SECTION J-15D-B-Y LOCATION NW 1/4, SEC. 21, TWP. 29N, RNG. 12W, 2nd PM, Latitude 40.98718, Longitude -87.73216

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO.	BORING NO.	Station	Offset	Ground Surface Elev.	D B U M				E L C O				P T W S				H S Qu T			
					(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)	(ft)	(/6")	(tsf)	(%)
038-0017 (Exlst.)	01 (S.E. Quad.)	620+25	7.0 ft RL	623.58																
Very Hard Gray Silty Clay Loam Till with Limestone Gravel Pieces																				
* Max Rimac @ 10% (continued)																				
578.58-45																				
Weathered & Reworked Limestone																				
576.58																				
Auger Refusal at 47.0 Ft. End of Boring																				
-50																				
-55																				
-60																				

SOIL BORING 038-0017.GPJ IL_DOT.GDT 3/11/24

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

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Page 1 of 2

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/1/20

ROUTE SBI-1 (IL 1) DESCRIPTION IL 1 over Little Beaver Creek, 1.2 miles North of Papineau Road LOGGED BY Larry Myers

SECTION J-15D-B-Y LOCATION NW 1/4, SEC. 21, TWP. 29N, RNG. 12W, 2nd PM, Latitude 40.98736, Longitude -87.73216

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H ft	B L O W S Qu	U C S Qu	M O I S T %	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.:		D E P T H ft	B L O W S Qu	U C S Qu	M O I S T %
						614.54 ft	612.19 ft	581.3 ft	609.3 ft	(ft) (/6")	(tsf) (%)				
Augered Bituminous Pavement, CA-6 Fill, Brown Silty Clay Loam Fill	620+25					Very Stiff Brownish Gray Clay with Minor Silt (continued)									
						4	5	3.9	24						
						6	6	S							
						601.29									
						Hard Brownish Gray Clay with Silt Seams & Pockets									
						5	6	4.4	25						
						8	8	S							
						618.29	-5								
						Stiff Gray to Black Silty Clay Fill									
						3	2	1.5	18						
3	3	P													
596.29															
Stiff Gray Clay with some Silt Pockets / Layers															
1	2	1.5	26												
3	3	P													
-10															
1	1	1.0	26												
2	2	P													
611.29															
Stiff to Medium Gray & Black Silty Clay with Sand & Gravel Layers (Alluvial Deposits)															
WH	2	1.0	25												
1	1	P													
-15															
WH	1	0.8	28												
1	1	P													
606.29															
Very Stiff Brownish Gray Clay with Minor Silt															
3	6	3.7	26												
7	7	S													
583.79															
-20															

SOIL BORING 038-0017.GPJ IL_DOT.GDT 3/11/24

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

Page 2 of 2

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/1/20

ROUTE SBI-1 (IL 1) DESCRIPTION IL 1 over Little Beaver Creek, 1.2 miles North of Papineau Road LOGGED BY Larry Myers

SECTION J-15D-B-Y LOCATION NW 1/4, SEC. 21, TWP. 29N, RNG. 12W, 2nd PM, Latitude 40.98736, Longitude -87.73216

COUNTY Iroquois DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. Station	BORING NO. Station Offset Ground Surface Elev.	D E P T H ft	B L O W S Qu	U C S Qu	M O I S T %	Surface Water Elev.		Stream Bed Elev.		Groundwater Elev.:		D E P T H ft	B L O W S Qu	U C S Qu	M O I S T %
						614.54 ft	612.19 ft	581.3 ft	609.3 ft	(ft) (/6")	(tsf) (%)				
Hard Gray Silty Clay Loam Till with Heavy Sand & Gravel Pieces and some Loamy Sand Layers (continued)	620+25					Hard Gray Silty Clay Loam Till with Heavy Sand & Gravel Pieces and some Loamy Sand Layers (continued)									
						6	12	6.4	10						
						18	18	S							
						19	19								
						25	25	>4.5	10						
						20	20	P							
						578.29	-45								
						Weathered & Reworked Limestone with some Clay Matrix									
						51	100/5		13						
						576.29									
Auger Refusal at 47.0 Ft. End of Boring															
-50															
-55															
-60															

SOIL BORING 038-0017.GPJ IL_DOT.GDT 3/11/24

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, form 137 (Rev. 8-99)

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DESIGNED - TIFFANY L. ADAMS	EXAMINED - <i>Mark Shuffler</i> ENGINEER OF BRIDGE DESIGN	DATE - DECEMBER 11, 2024
CHECKED - RYAN P. NEGANGARD	PASSED - <i>James F. [Signature]</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - ANDRO R. SAMANIEGO		REVISED -
CHECKED - T.L.A. / R.P.N.		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
STRUCTURE NO. 038-0231**

SHEET 25 OF 25 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4BR-4)ES	IROQUOIS	68	47
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

BRIDGE PLANS

MODEL: Default
FILE NAME: c:\p\work\pww\ed\inalasco\0607267\0368604-sh-original\plan for info only.dgn

USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BRIDGE PLANS

SCALE: SHEET OF SHEETS STA. TO STA.

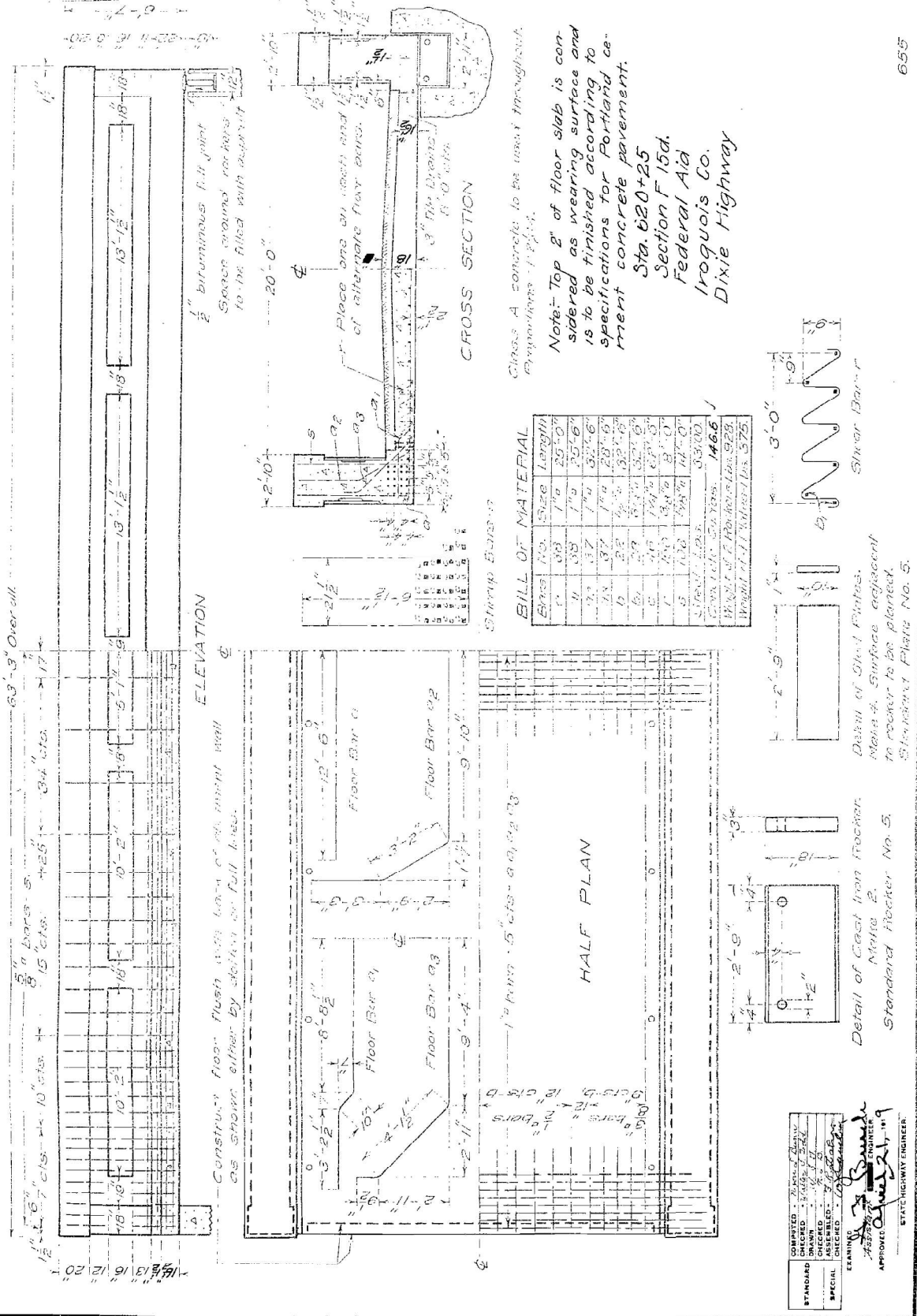
F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS	SHEET NO.
CONTRACT NO. 66K94			ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS
 STATE HIGHWAY DEPARTMENT

FED. ROAD DIST. NO.	STATE PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
7	ILL 2	1917	36	36

REINFORCED CONCRETE GIRDER
 SPAN 60 FT. ROADWAY 20 FT.

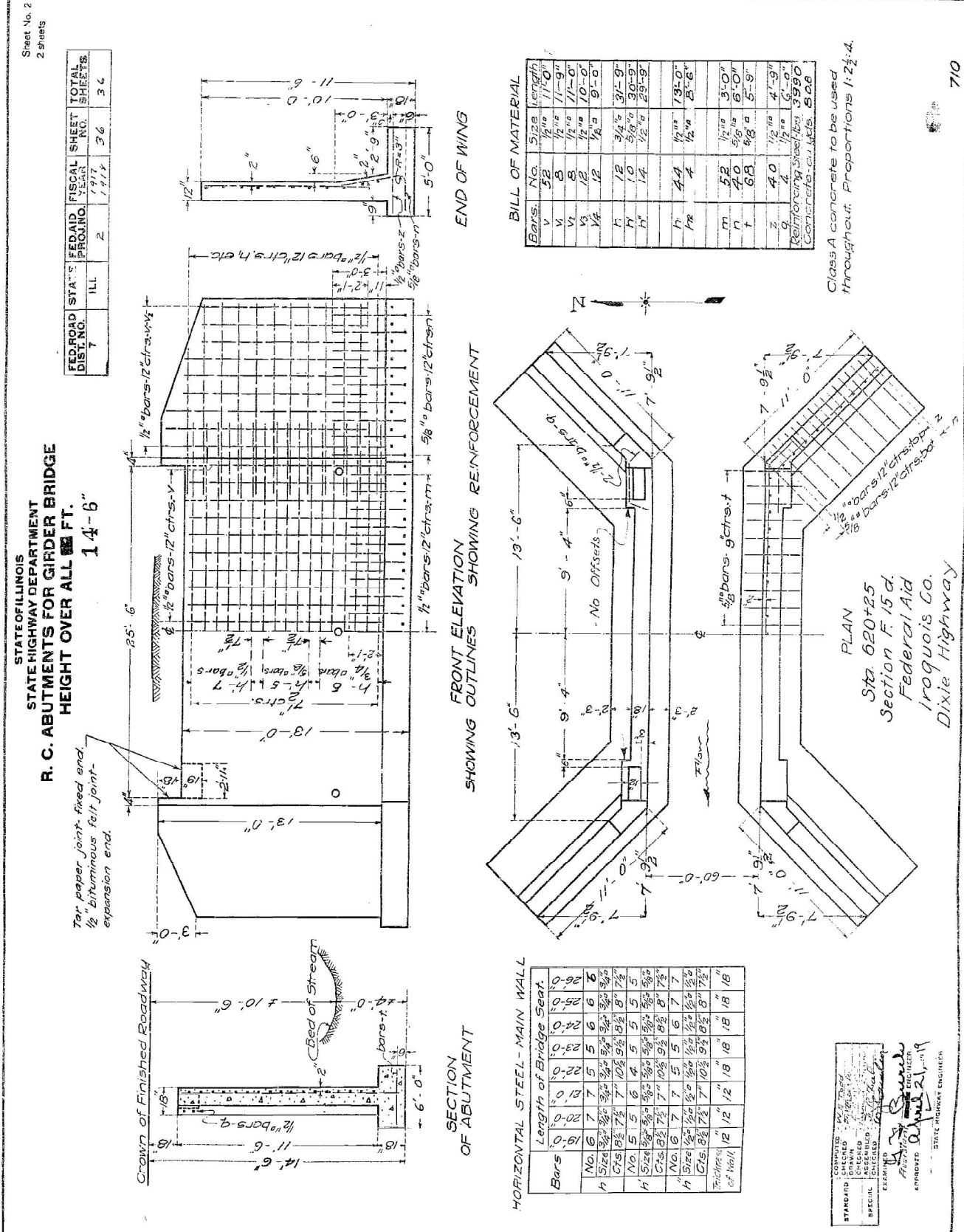
SHEET NO. 1
 2 SHEETS



BILL OF MATERIAL

Bar No.	Size	Length
1	1/2"	25'-0"
2	1/2"	25'-0"
3	1/2"	25'-0"
4	1/2"	25'-0"
5	1/2"	25'-0"
6	1/2"	25'-0"
7	1/2"	25'-0"
8	1/2"	25'-0"
9	1/2"	25'-0"
10	1/2"	25'-0"
11	1/2"	25'-0"
12	1/2"	25'-0"
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15	1/2"	25'-0"
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41	1/2"	25'-0"
42	1/2"	25'-0"
43	1/2"	25'-0"
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78	1/2"	25'-0"
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80	1/2"	25'-0"
81	1/2"	25'-0"
82	1/2"	25'-0"
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92	1/2"	25'-0"
93	1/2"	25'-0"
94	1/2"	25'-0"
95	1/2"	25'-0"
96	1/2"	25'-0"
97	1/2"	25'-0"
98	1/2"	25'-0"
99	1/2"	25'-0"
100	1/2"	25'-0"

COMPLETED BY: [Signature]
 CHECKED BY: [Signature]
 ASSEMBLED BY: [Signature]
 SPECIAL: [Signature]
 CLEANING: [Signature]
 APPROVED BY: [Signature]
 STATE HIGHWAY ENGINEER



BILL OF MATERIAL

Bars	No.	Size	Length
1	10	1/2"	10'-0"
2	10	1/2"	10'-0"
3	10	1/2"	10'-0"
4	10	1/2"	10'-0"
5	10	1/2"	10'-0"
6	10	1/2"	10'-0"
7	10	1/2"	10'-0"
8	10	1/2"	10'-0"
9	10	1/2"	10'-0"
10	10	1/2"	10'-0"
11	10	1/2"	10'-0"
12	10	1/2"	10'-0"
13	10	1/2"	10'-0"
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21	10	1/2"	10'-0"
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23	10	1/2"	10'-0"
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29	10	1/2"	10'-0"
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31	10	1/2"	10'-0"
32	10	1/2"	10'-0"
33	10	1/2"	10'-0"
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39	10	1/2"	10'-0"
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64	10	1/2"	10'-0"
65	10	1/2"	10'-0"
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94	10	1/2"	10'-0"
95	10	1/2"	10'-0"
96	10	1/2"	10'-0"
97	10	1/2"	10'-0"
98	10	1/2"	10'-0"
99	10	1/2"	10'-0"
100	10	1/2"	10'-0"

COMPLETED BY: [Signature]
 CHECKED BY: [Signature]
 ASSEMBLED BY: [Signature]
 SPECIAL: [Signature]
 CLEANING: [Signature]
 APPROVED BY: [Signature]
 STATE HIGHWAY ENGINEER

FOR INFORMATION ONLY

USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/9/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ORIGINAL PLANS 1918

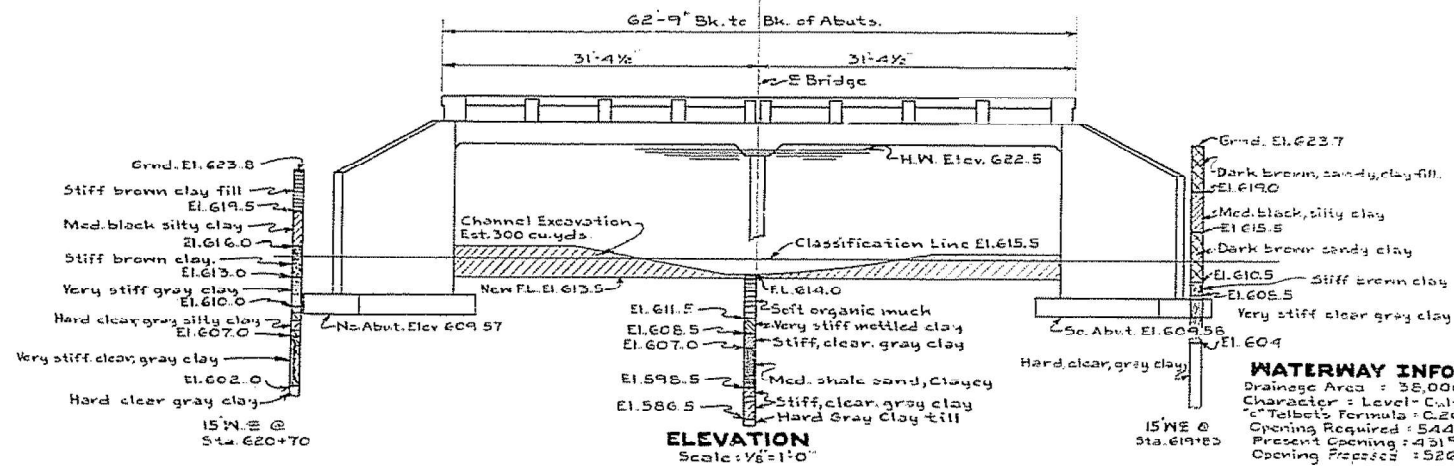
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 49
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

DATE	REVISED	BY	NO.

B.M. Top N.W. Wing. El. 624.07.
Existing Structure: R.C. thru Girder, 1 span @ 59' 7 1/2"
20'-0" Rdm. R.C. Substructure.
Existing Superstructure and portions of substructure
to be removed by Contractor.



Boring Data are shown on the
drawing only as a guide, to
aid in estimating soil
conditions which may be
encountered.

WATERWAY INFORMATION
Drainage Area : 38,000 Acres
Character : Level-Cultivated
"C" Telsbet's Formula : 0.20
Opening Required : 5449'
Present Opening : 4310'
Opening Proposed : 5260'

GENERAL NOTES

Class X Concrete shall be used throughout except as noted.

Handrail Concrete shall be used in rails & posts.

Back of Abutments and Wing Walls, from the top of the sub or the top of the wall to the top of the footing shall be waterproofed in accordance with Article 51.20 of the Std. Specs. adopted use 2.1452. Cost to be included in the unit price of Class X Concrete.

The Handrail and curbs shall not be poured until after the falsework has been removed.

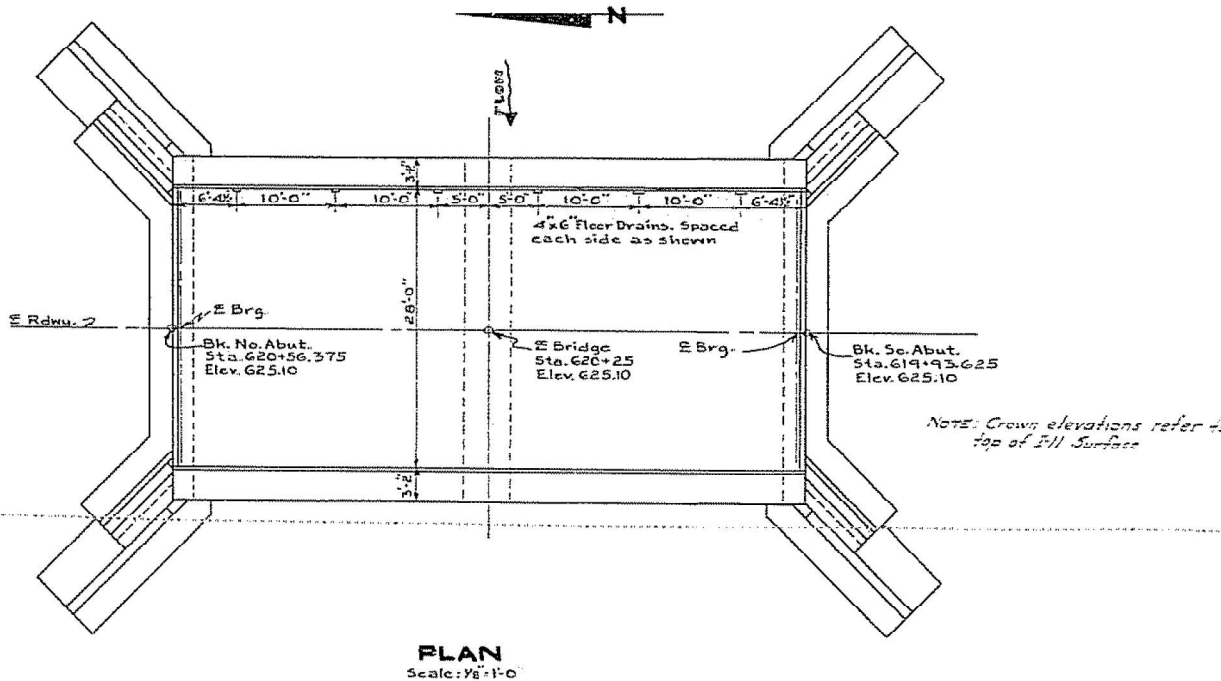
Contract unit price for Expansion Bolts shall include furnishing, drilling holes, and setting Expansion Bolts.

The Contractor shall drive 1 test pile in permanent location, as directed by the Engineer, before setting the remainder of the piles.

The concrete floor slab shall be finished in accordance with Article 51.13 (a) of the Standard Specifications.

TOTAL BILL OF MATERIAL

ITEM	SUPER	SUB	TOTAL
Class X Concrete	Cu Yds. 124.5	93.6	218.1
Handrail Concrete	Cu Yds. 3.7		3.7
Reinforcement Bars	Lbs. 25300	3580	28880
Name Plates	Ea. 1		1
Bit. Conc. Surf. Crse. (11)	Tons. 160		160
Bit. Mat. Applied (Prime)	Gals. 20		20
Precast Conc. Piles (36") Dia. 10 Ft.		228	228
Expansion Bolts	Ea. 40		40
Channel Excavation	Cu Yds. 300		300
Class X Excavation for Str. Cu Yds.		100	100
Class B Excavation for Str. Cu Yds.		170	170
Tree Removal (Cover 15" Dia.) Dia.		20	20
Porous Granular Backfill	Cu Yds. 15		15
Removal of Exist. Structure	Ea. 1		1
Test Pile (Precast Conc.)	Ea. 1		1



NOTE: Crown elevations refer to
top of Fill Surface

PLAN
Scale: 1/8" = 1'-0"

DESIGNED	V.L. Fraley	DATE	7/27/52
CHECKED	Harry P. ...	EXAMINED	W.E. Hanson
DRAWN	V.L.F. Stone	APPROVED	J.M. ...
CHECKED	H.A. ...		

STATION 620+25
BUILT 195 BY
STATE OF ILLINOIS
S.B.I. RT.1 SEC. J-15d-B-Y
P.A. PROJ. F-2 (23)
LOADING H-20-S16

DESIGN STRESSES
fs = 20,000 p.s.i. (Reinforcement)
fc = 1400 p.s.i. (Super)
fc = 800 p.s.i. (Sub)
n = 10
Loading H-20-S16-42

GENERAL PLAN & ELEVATION
PROJECT F-2 (23)
S.B.I. RT.1 SEC. J-15d-B-Y
IROQUOIS COUNTY
STA. 620+25

LETTERING FOR NAME PLATE
See Spec. 2113

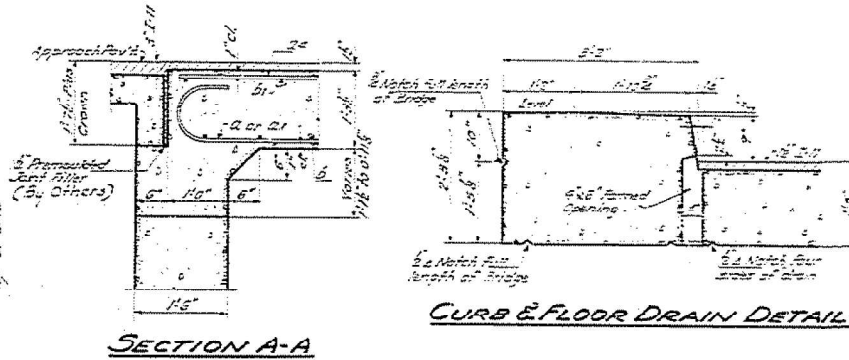
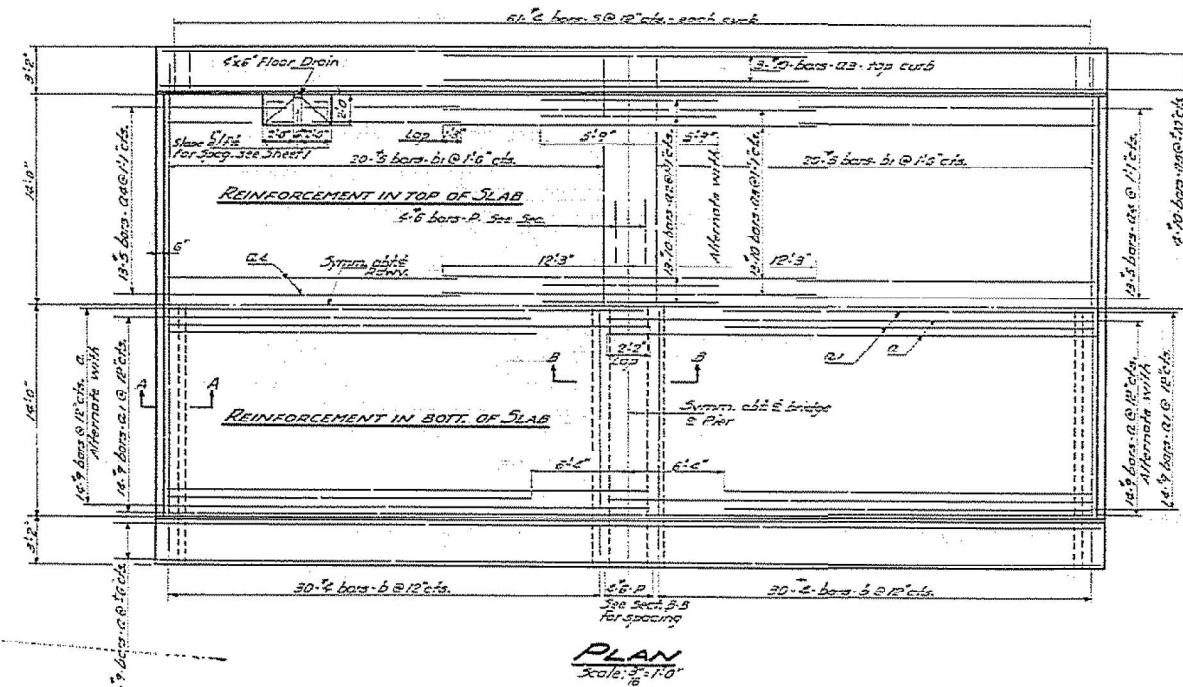
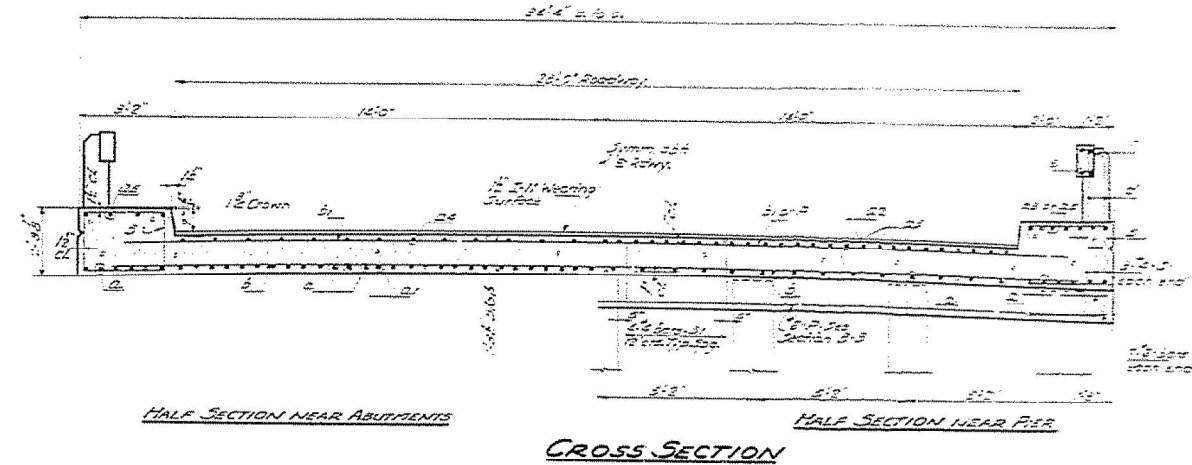
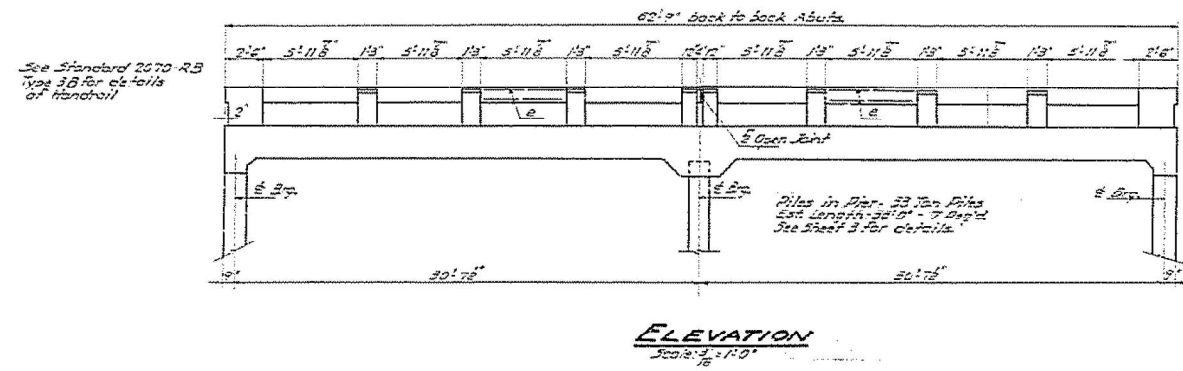
FOR INFORMATION ONLY

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PLOT DATE = 9/9/2024	DRAWN -	REVISED -			332	(4 BR-4)BR	IROQUOIS	68	50
	CHECKED -	REVISED -			CONTRACT NO. 66K94				
	DATE -	REVISED -	SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

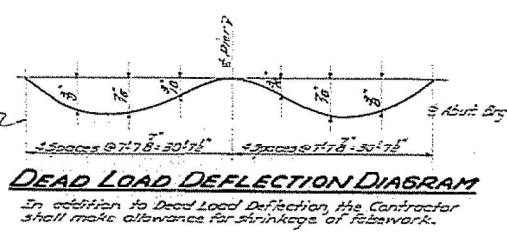
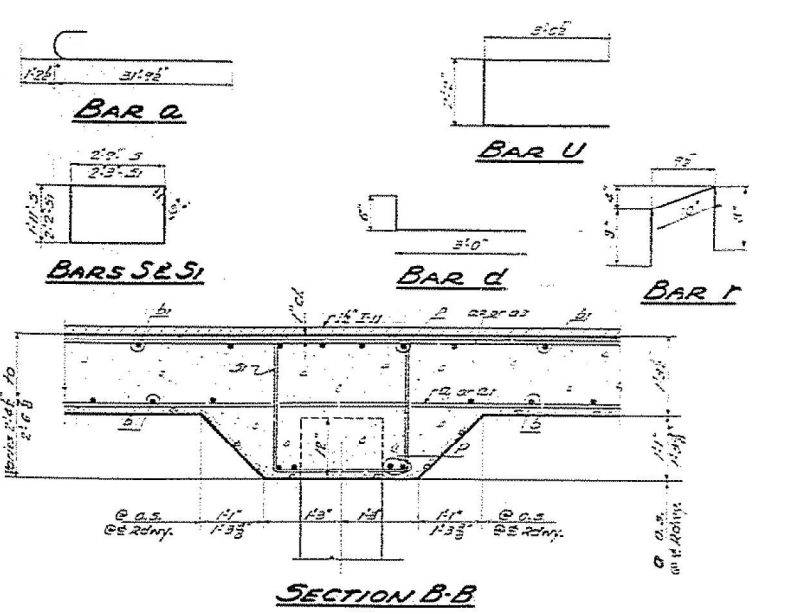
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

NO.	DATE	BY	REVISION
1	1954	V.L.F.	ISSUED FOR CONSTRUCTION



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
1	20	7/8"	24'-0"	U
2	20	7/8"	24'-0"	U
3	20	7/8"	14'-0"	U
4	20	7/8"	24'-0"	U
5	20	7/8"	14'-0"	U
6	20	7/8"	24'-0"	U
7	20	7/8"	24'-0"	U
8	20	7/8"	24'-0"	U
9	20	7/8"	24'-0"	U
10	20	7/8"	24'-0"	U
11	20	7/8"	24'-0"	U
12	20	7/8"	24'-0"	U
13	20	7/8"	24'-0"	U
14	20	7/8"	24'-0"	U
15	20	7/8"	24'-0"	U
16	20	7/8"	24'-0"	U
17	20	7/8"	24'-0"	U
18	20	7/8"	24'-0"	U
19	20	7/8"	24'-0"	U
20	20	7/8"	24'-0"	U



SUPERSTRUCTURE
PROJECT F-2(23)
S.B.I. Rt. 1 - SEC. J-15d. B-Y
IROQUOIS COUNTY
STA. 620+25

DESIGNED	V.L. Fraley	NOV. 7	11 52
CHECKED	Harry P. Shaban	W.E. Hansen	
DRAWN	V.L.F.		
APPROVED			

Rev. 7-28-54

FOR INFORMATION ONLY

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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
		DATE	-	REVISED	-
PLOT DATE	= 9/9/2024				

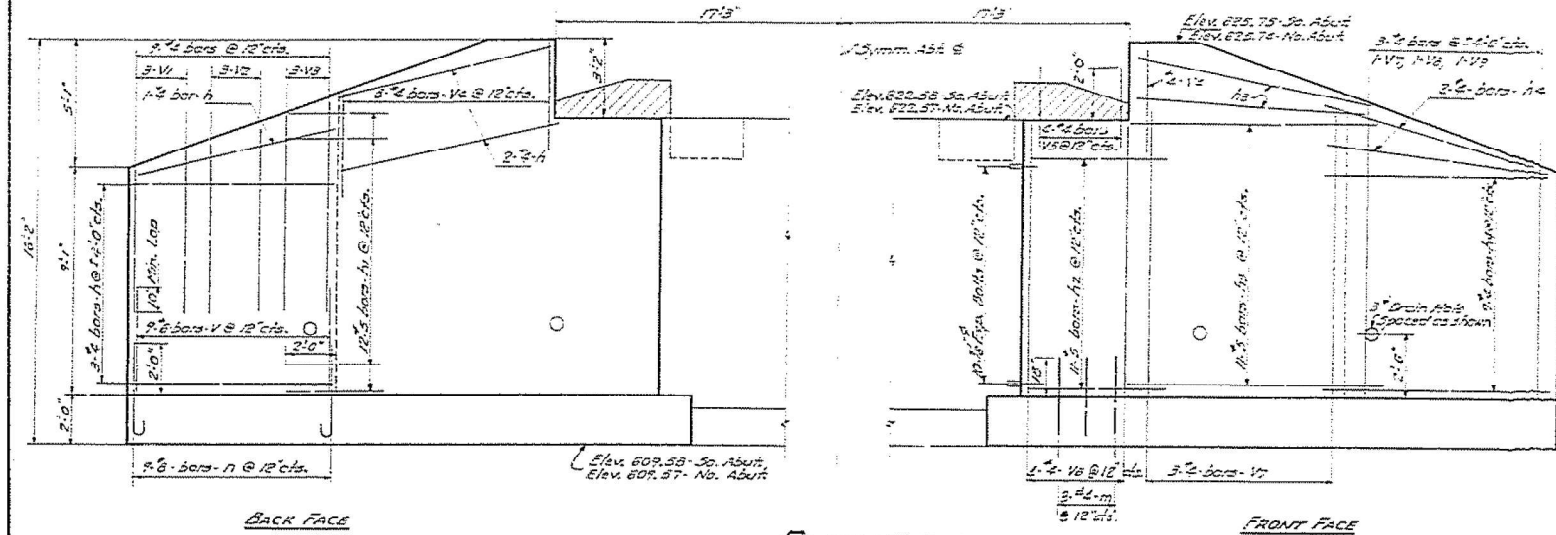
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ORIGINAL PLANS 1954

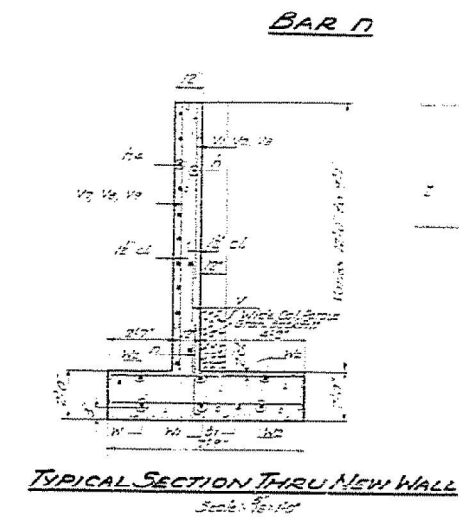
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	51
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

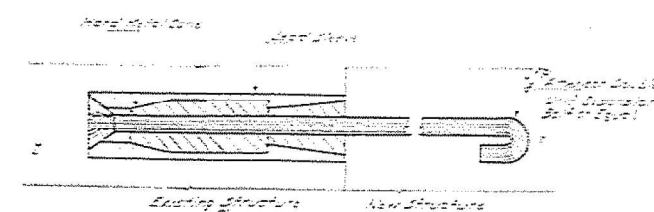
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



ELEVATION
Scale: 3/8" = 1'-0"



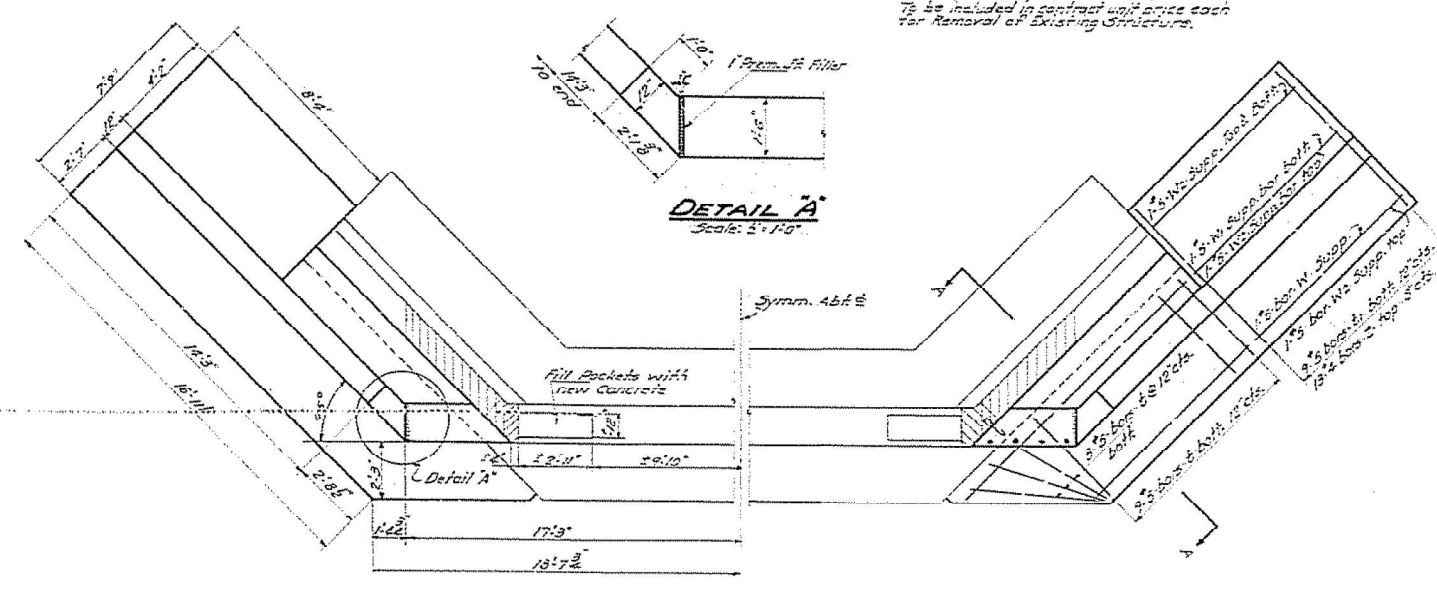
TYPICAL SECTION THRU NEW WALL
Scale: 3/8" = 1'-0"



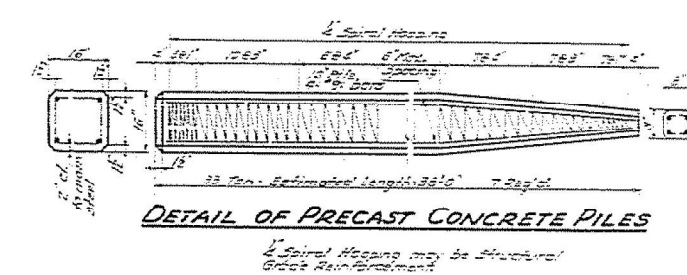
DETAIL OF EXPANSION BOLT

BILL OF MATERIAL

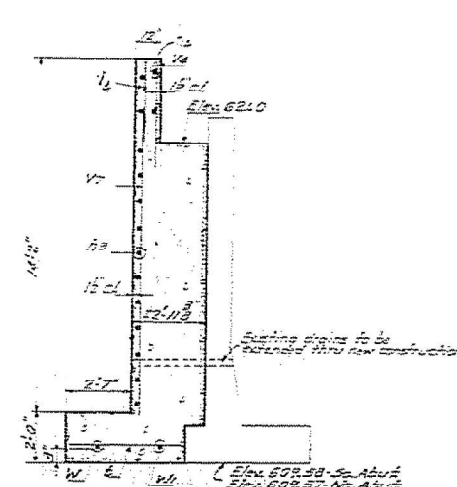
Qty	No.	Size	Length	Weight
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1	12	3/8"	21'	
10	12	3/8"	21'	
10	10	3/8"	21'	
14	36	3/8"	21'	
12	18	3/8"	21'	
10	8	3/8"	21'	
10	18	3/8"	21'	
10	4	3/8"	21'	
10	4	3/8"	21'	
1	24	3/8"	21'	
1	48	3/8"	21'	
12	44	3/8"	21'	
12	32	3/8"	21'	
12	44	3/8"	21'	
1	12	3/8"	21'	
1	36	3/8"	21'	
1	48	3/8"	21'	
1	4	3/8"	21'	
1	4	3/8"	21'	
1	18	3/8"	21'	
1	52	3/8"	21'	
1	52	3/8"	21'	
1	36	3/8"	21'	
1	4	3/8"	21'	
1	4	3/8"	21'	
1	18	3/8"	21'	
1	52	3/8"	21'	



PLAN
Scale: 3/8" = 1'-0"



DETAIL OF PRECAST CONCRETE PILES



SECTION A-A
Scale: 3/8" = 1'-0"

DESIGNED	V.L. Fraley	EXAMINED	Nov. 7 '52
CHECKED	Harry P. Shaban	W.E. Hanson	
DRAWN	V.L.F.	PASSED	
CHECKED	HPF	APPROVED	

ABUTMENTS
PROJECT F.2(23)
S.B.T.R. I-SEC. J-15d.B-V
IROQUOIS COUNTY
STA. 620+25

Rev. 7-28-54

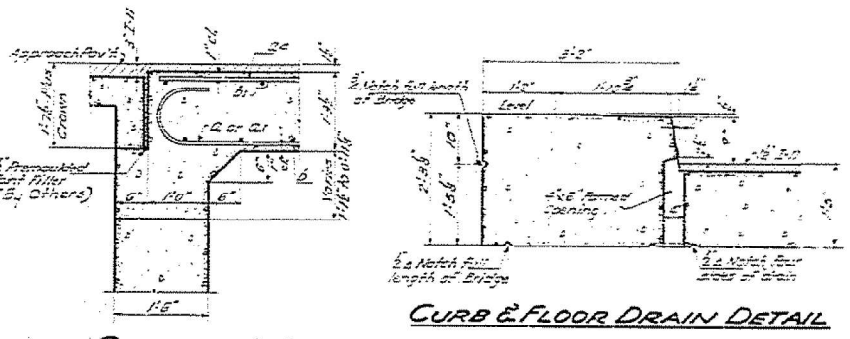
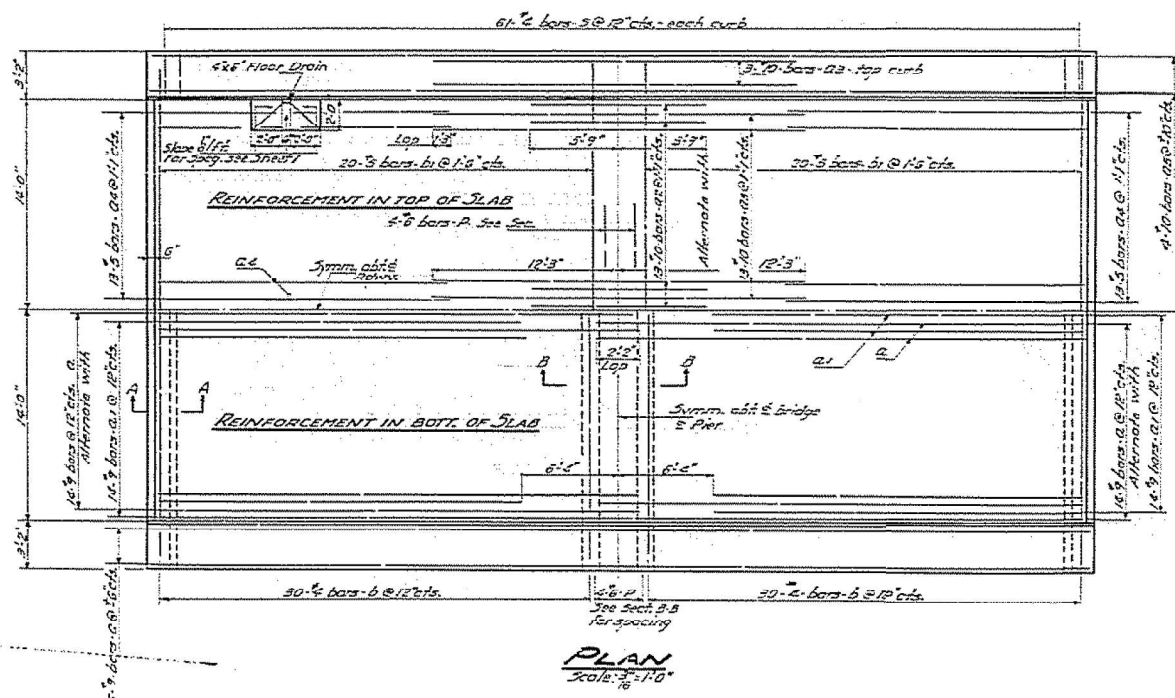
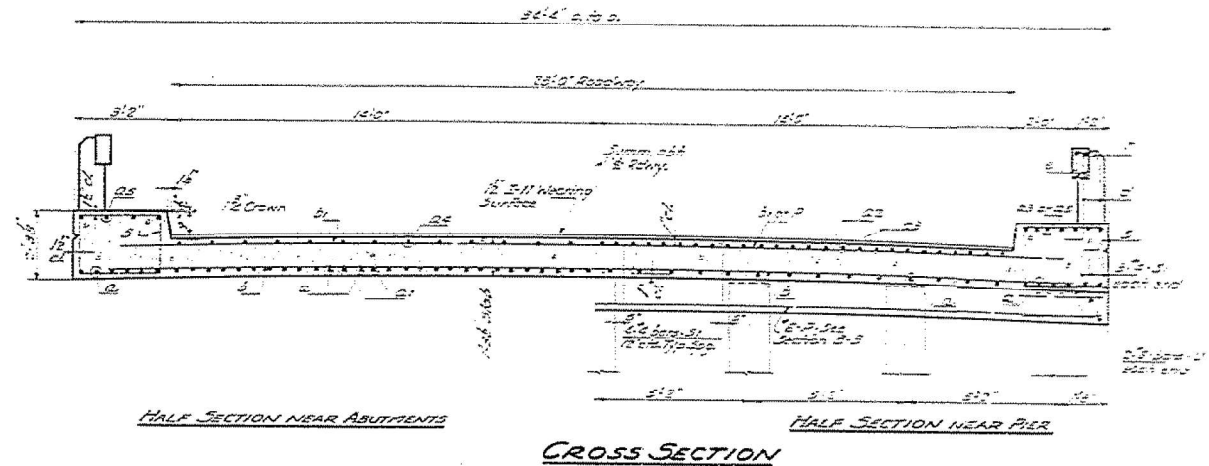
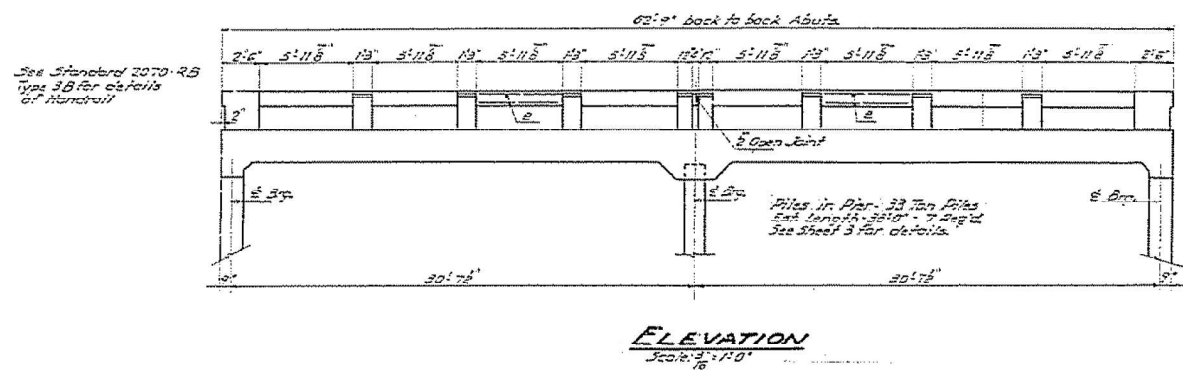
FOR INFORMATION ONLY

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USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ORIGINAL PLANS 1954	F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 52
PLOT DATE = 9/9/2024	DRAWN -	REVISED -	SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 66K94		ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

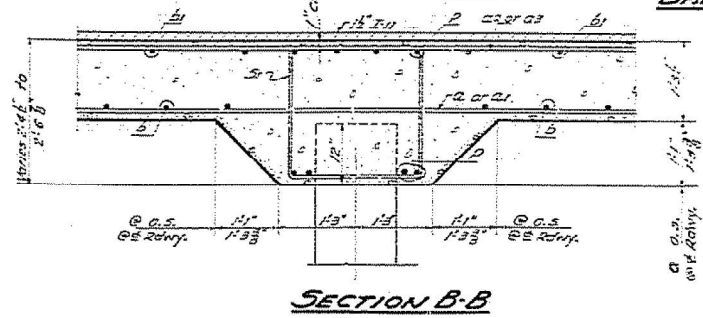
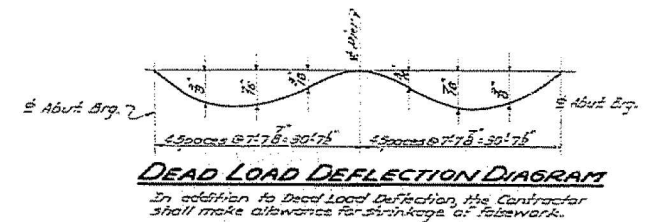
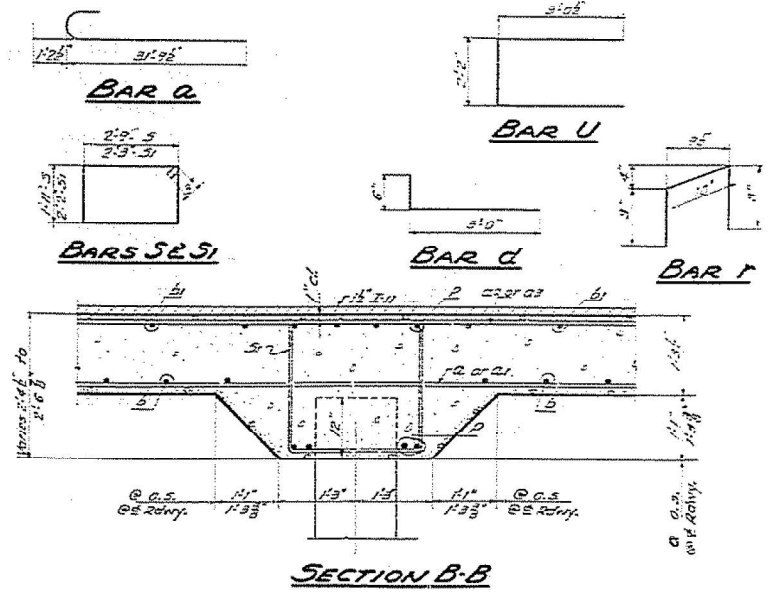
DATE	REVISION	BY	NO.
11-1-52	REVISION	W. E. HANSON	1



BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
1	20	4	33'-0"	U
2	56	6	20'-0"	U
3	28	10	17'-0"	U
4	52	10	24'-0"	U
5	52	10	18'-0"	U
6	18	10	22'-0"	U
7	24	10	3'-6"	U
8	18	10	20'-0"	U
9	8	10	24'-0"	U
10	40	10	2'-0"	U
11	122	10	10'-0"	U
12	20	10	2'-0"	U
13	8	10	3'-0"	U

Concrete - 124.6
Reinforcement Bars - 132.00
Removal of Earth - 1.00



SUPERSTRUCTURE
PROJECT F-2(23)
S.B.R.T. 1 - SEC. J-15d-B-Y
IROQUOIS COUNTY
STA. 620+25

DESIGNED	V.L. Fraley	NOV. 7 1952
CHECKED	Harry P. Grelman	
DRAWN	V.L.F.	
CHECKED	H.P.G.	

Rev. 7-28-54

FOR INFORMATION ONLY

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		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	= 9/9/2024	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

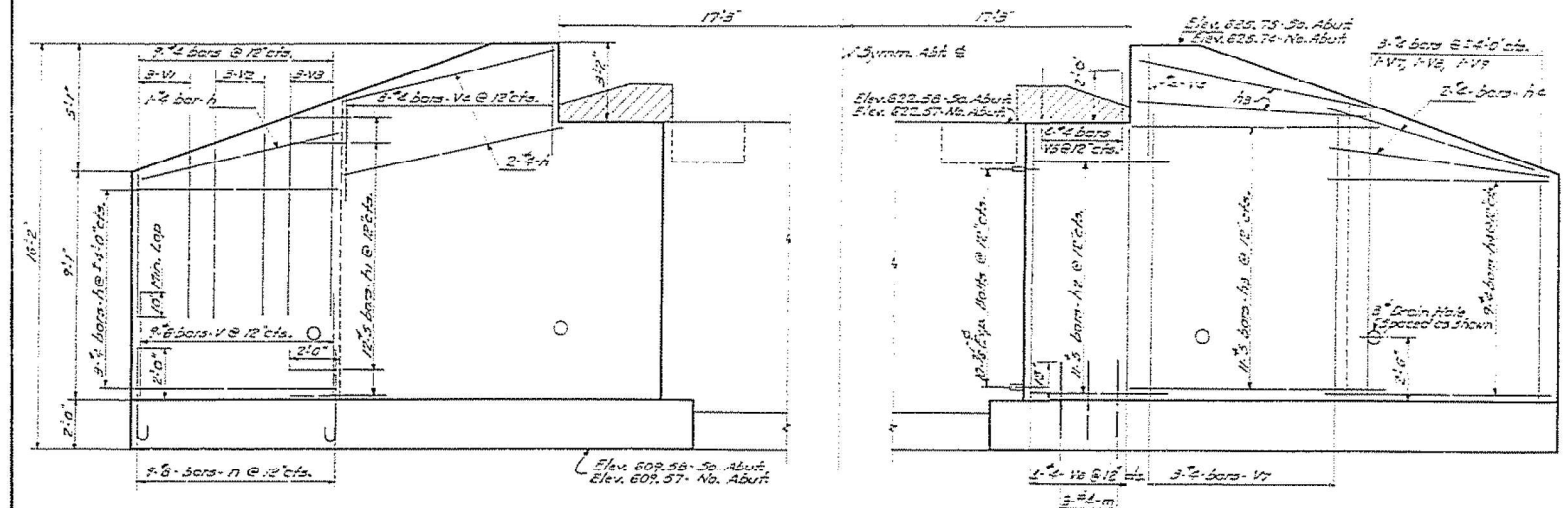
ORIGINAL PLANS 1954

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	53
CONTRACT NO. 66K94			ILLINOIS FED. AID PROJECT	

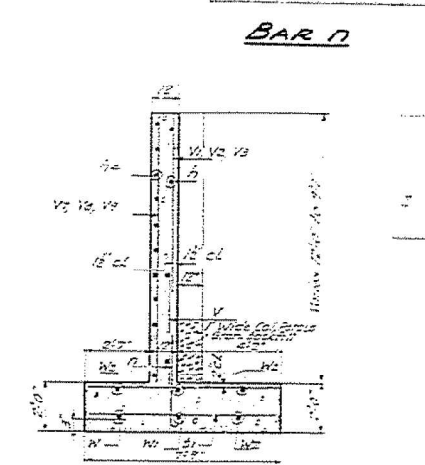
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

NO.	DATE	BY	REVISION
1	11-21-52	V.L.F.	DESIGNED
2	11-21-52	H.P.H.	CHECKED
3	11-21-52	W.E.H.	EXAMINED
4	11-21-52	T.W.P.	APPROVED

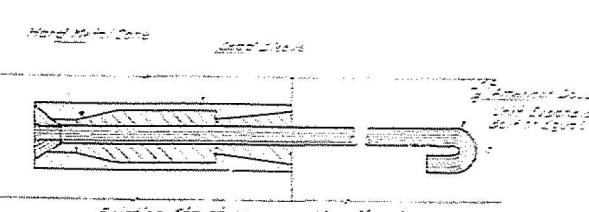


ELEVATION
Scale: 1/8" = 1'-0"

Bridge Contractor shall remove cross-hatched portion of existing wings as shown on Elev. 609.58, 609.57 No. Abut. to be replaced in concrete with service such for removal of existing structure.



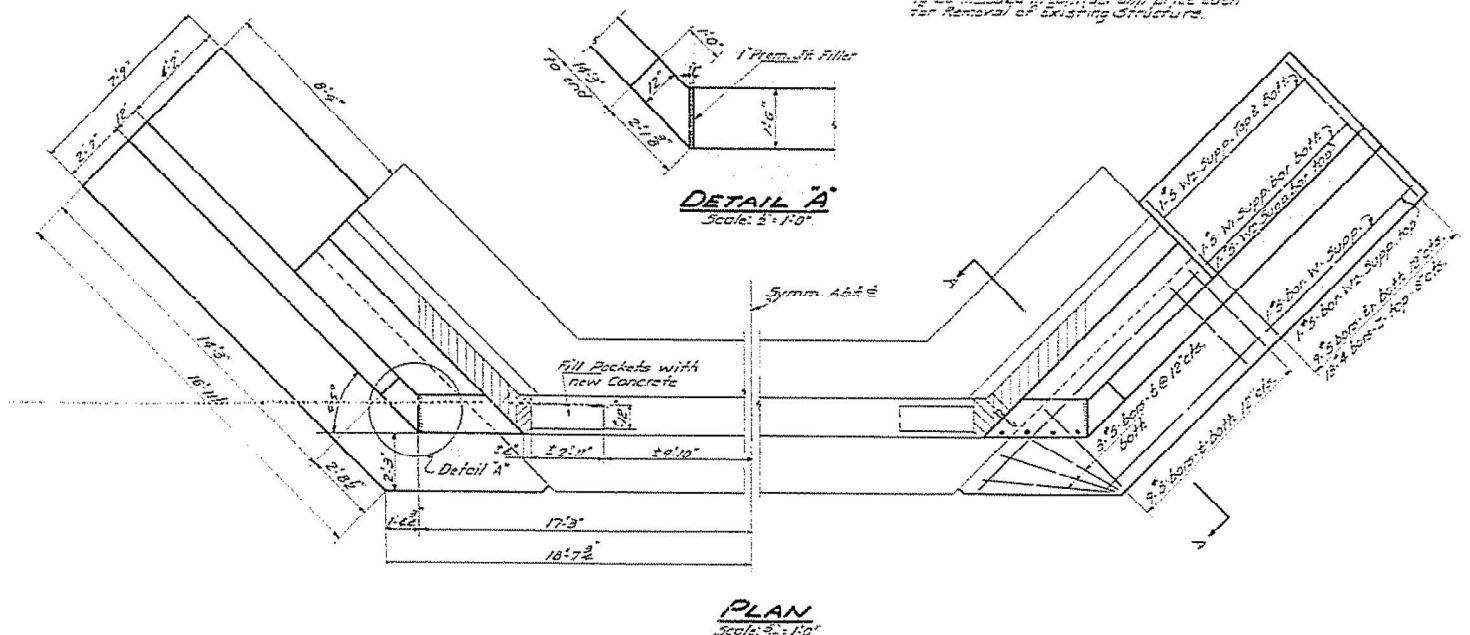
TYPICAL SECTION THRU NEW WALL
Scale: 1/8" = 1'-0"



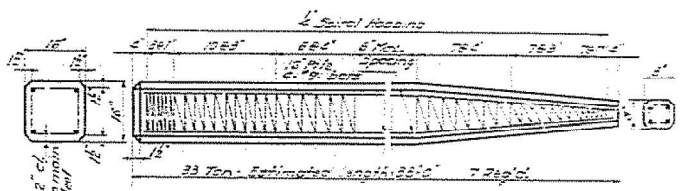
DETAIL OF EXPANSION BOLT

BILL OF MATERIAL

BAR	No.	SIZE	LENGTH	QUANTITY
V	26	5/8"	21'-0"	---
W	12	1/2"	6'-0"	---
W	12	5/8"	7'-0"	---
W	12	5/8"	8'-0"	---
W	12	5/8"	9'-0"	---
W	12	5/8"	10'-0"	---
W	12	5/8"	11'-0"	---
W	12	5/8"	12'-0"	---
W	12	5/8"	13'-0"	---
W	12	5/8"	14'-0"	---
W	12	5/8"	15'-0"	---
W	12	5/8"	16'-0"	---
W	12	5/8"	17'-0"	---
W	12	5/8"	18'-0"	---
W	12	5/8"	19'-0"	---
W	12	5/8"	20'-0"	---
W	12	5/8"	21'-0"	---
W	12	5/8"	22'-0"	---
W	12	5/8"	23'-0"	---
W	12	5/8"	24'-0"	---
W	12	5/8"	25'-0"	---
W	12	5/8"	26'-0"	---
W	12	5/8"	27'-0"	---
W	12	5/8"	28'-0"	---
W	12	5/8"	29'-0"	---
W	12	5/8"	30'-0"	---

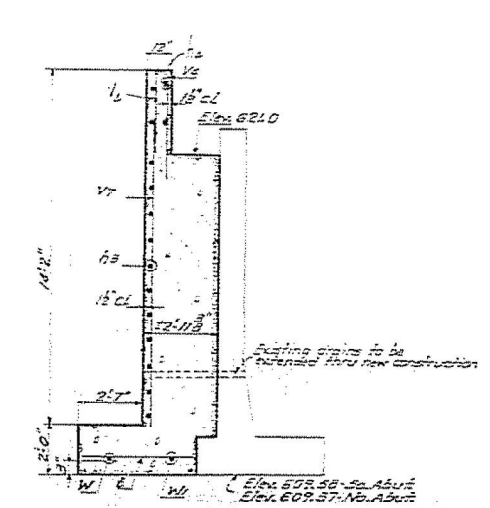


PLAN
Scale: 1/8" = 1'-0"



DETAIL OF PRECAST CONCRETE PILES

Spiral Hoopings may be structural Grade Reinforcement



SECTION A-A
Scale: 1/8" = 1'-0"

DESIGNED	V.L. Freley	Nov. 7 1952
CHECKED	Harry P. Graham	
DRAWN	V.L.F.	
CHECKED	H.P.H.	
EXAMINED	W.E. Hanson	
PASSED	T.W.P.	
APPROVED	T.W.P.	

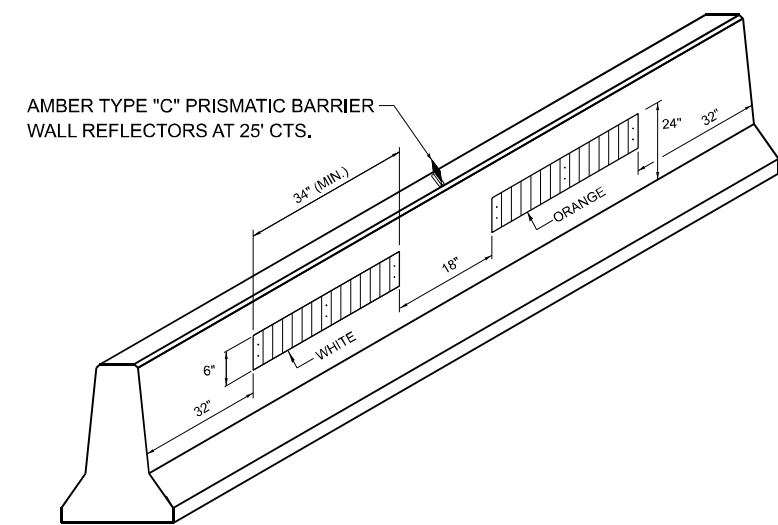
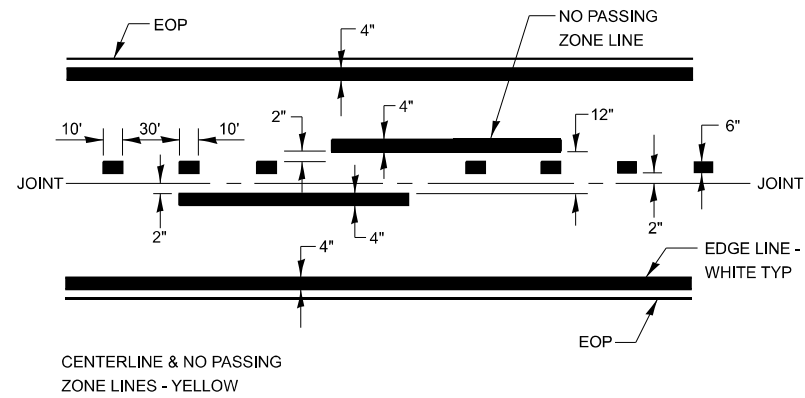
ABUTMENTS
PROJECT F-2(23)
S.B.I. R. 1-SEC. J-15d.B-Y
IROQUOIS COUNTY
STA. 620+25

Rev. 7-23-54

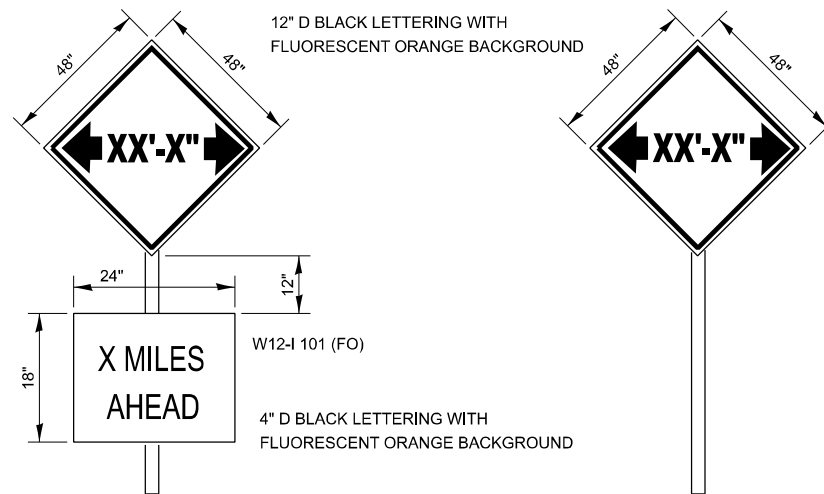
FOR INFORMATION ONLY

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USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			ORIGINAL PLANS 1954			F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 54
PLOT DATE = 9/9/2024	DRAWN -	REVISED -				SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 66K94		ILLINOIS FED. AID PROJECT		



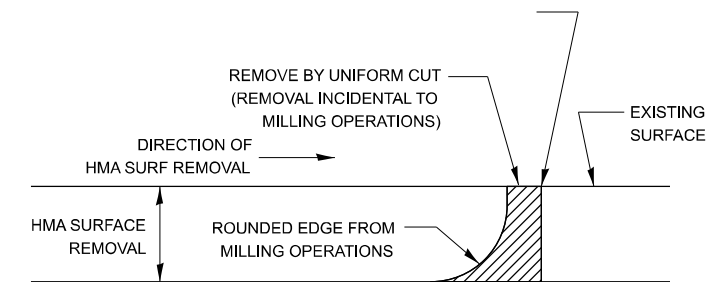
**LINEAR DELINEATOR PANELS
FOR TEMPORARY CONCRETE BARRIER**



TO BE POST MOUNTED AS SHOWN ELSEWHERE IN THE PLANS.

COST OF SUPPLYING, INSTALLING, MAINTAINING AND REMOVING WIDTH RESTRICTION SIGNS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

WIDTH RESTRICTION SIGNING DETAILS

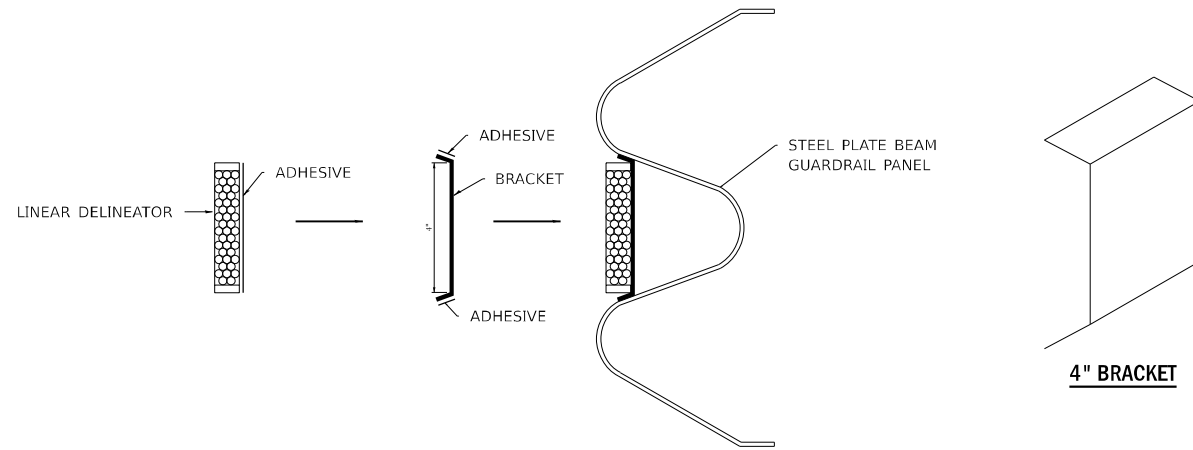


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA BUTT JOINT SAW CUTS

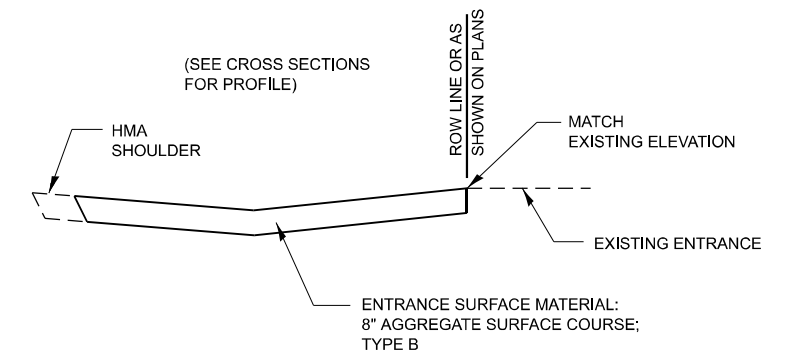
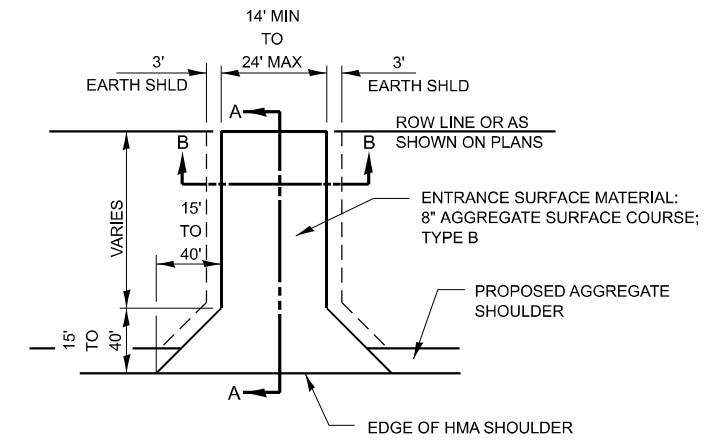
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USER NAME = Cassandra.Nolasco DESIGNED - DRAWN - CHECKED - PLOT DATE = 9/25/2024 DATE -	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LINE DIAGRAM OF CONSTRUCTION				F.A.P. RTE. 332	SECTION (4 BR-4)BR	COUNTY IROQUOIS	TOTAL SHEETS 68	SHEET NO. 55
				SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		CONTRACT NO. 66K94			

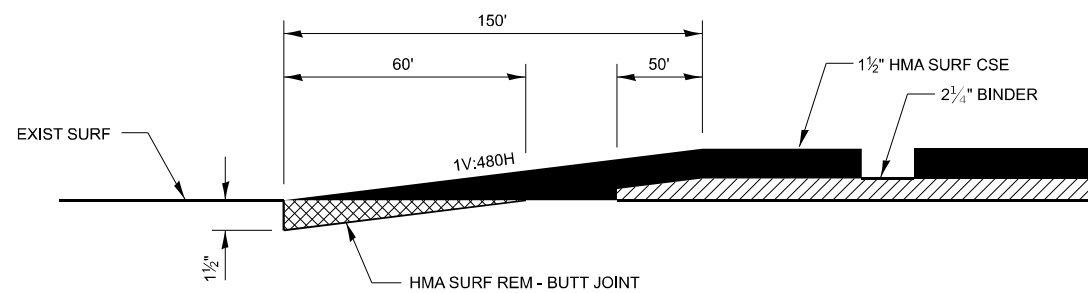


LINEATOR DELINEATOR APPLICATION TO STANDARD GALVANIZED GUARDRAIL

LINEATOR DELINEATOR SHALL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS

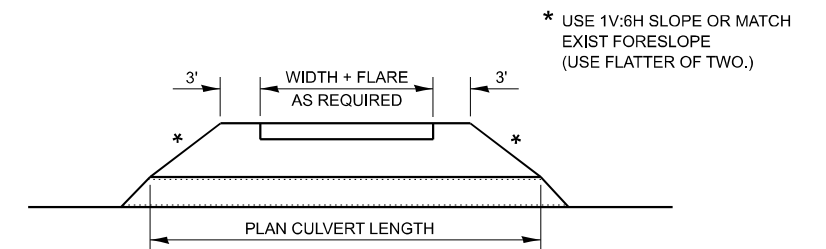


SECTION A-A



DESIGNER NOTE:
MODIFY TO MEET PROJECT SPECIFIC THICKNESS AND DIMENSIONS IF NEEDED

BUTT JOINT - NON INTERSTATE DESIGNED OVERLAY



SECTION B-B

FIELD ENTRANCE DETAIL

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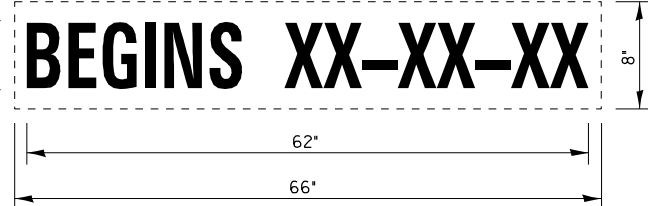
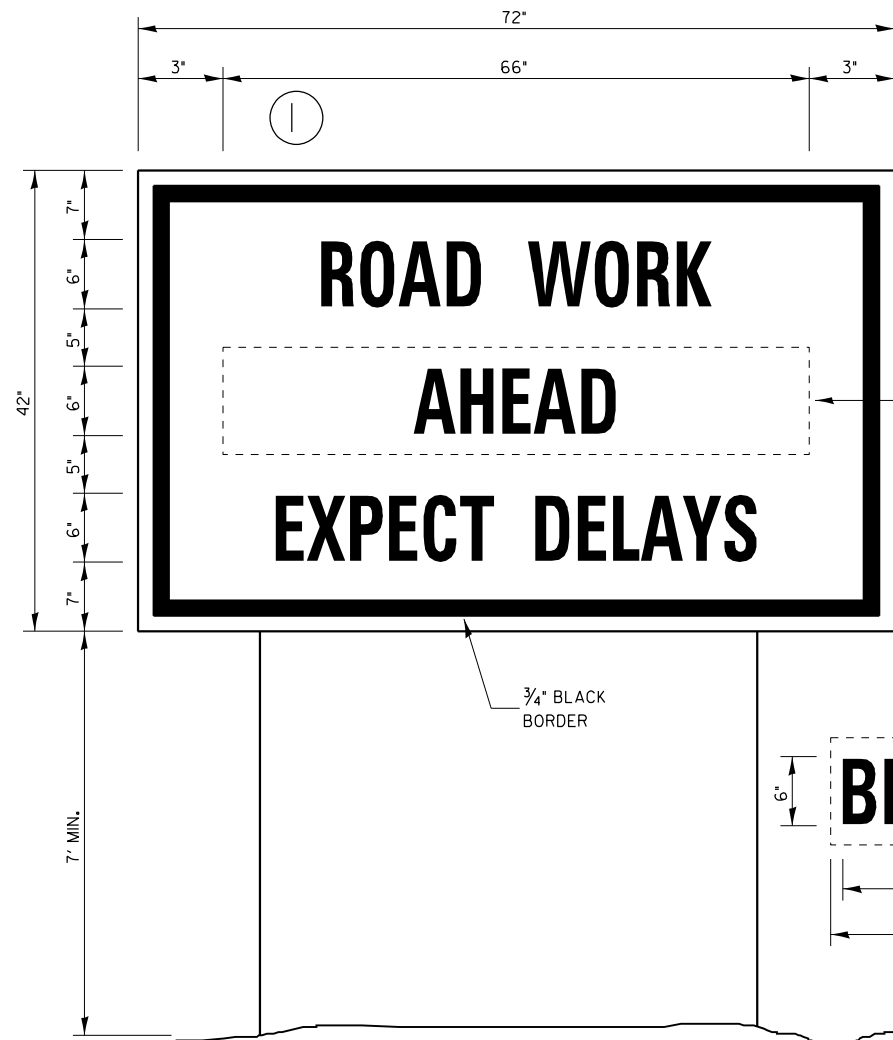
USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

DETAILS

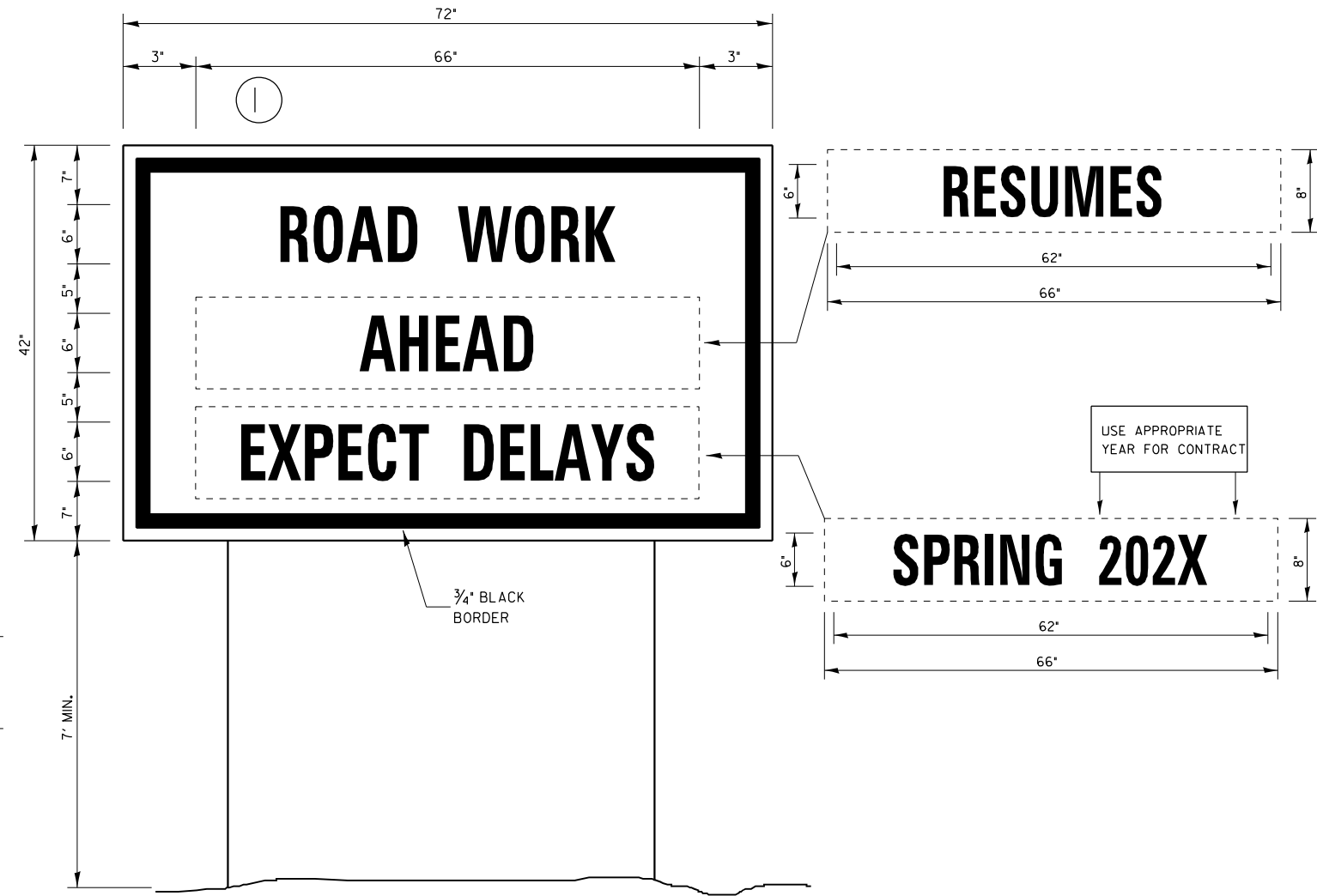
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	56
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL 2 ② MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL 2 ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



WINTER SHUT DOWN SIGNING

MODEL: Default
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USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

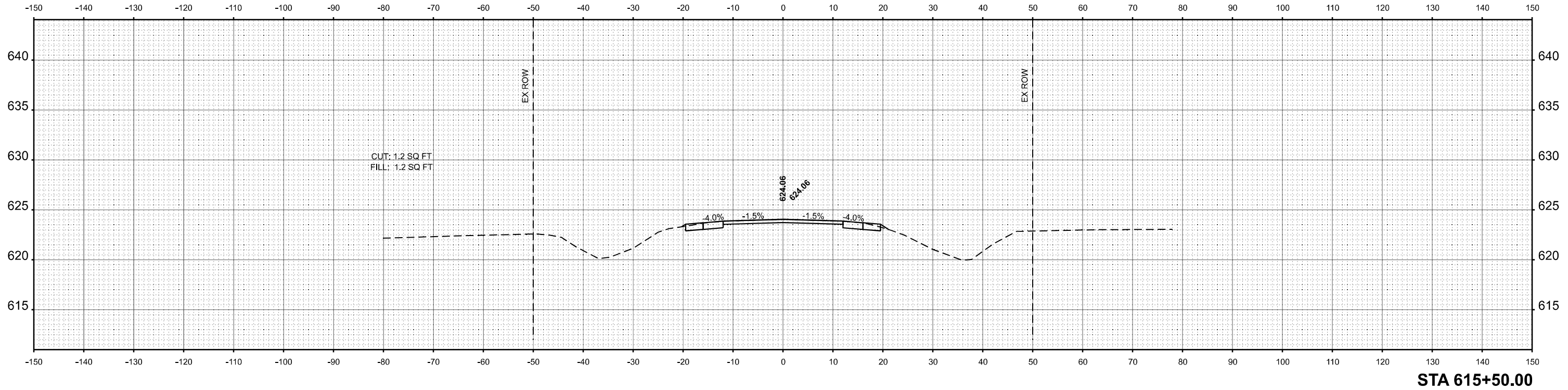
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET OF SHEETS STA. TO STA.

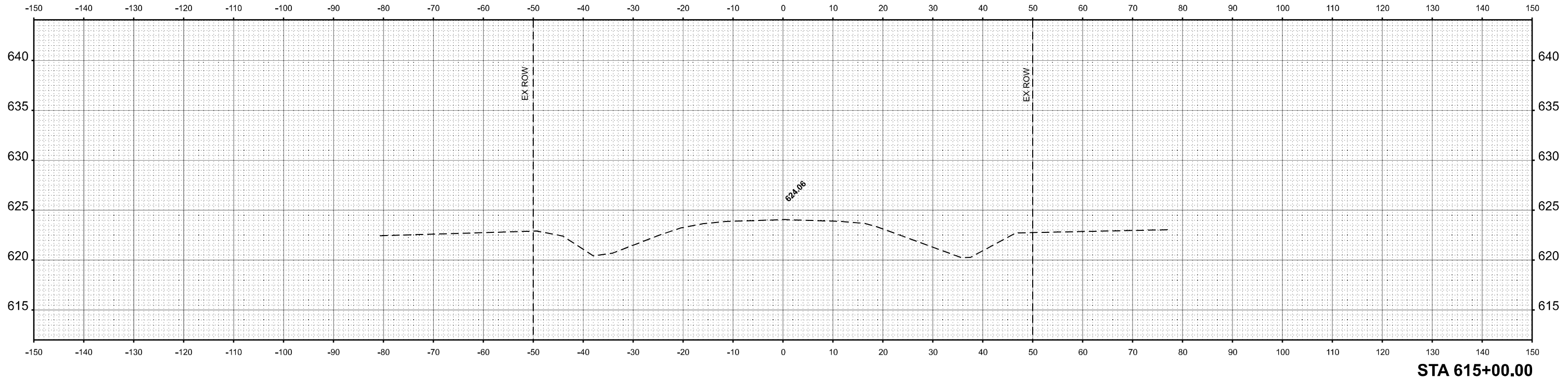
DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	57
CONTRACT NO. 66K94			ILLINOIS FED. AID PROJECT	

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



BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



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FILE NAME: C:\p\work\road\release\030327\66K94 - Cross Sections from Ken.dgn

USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

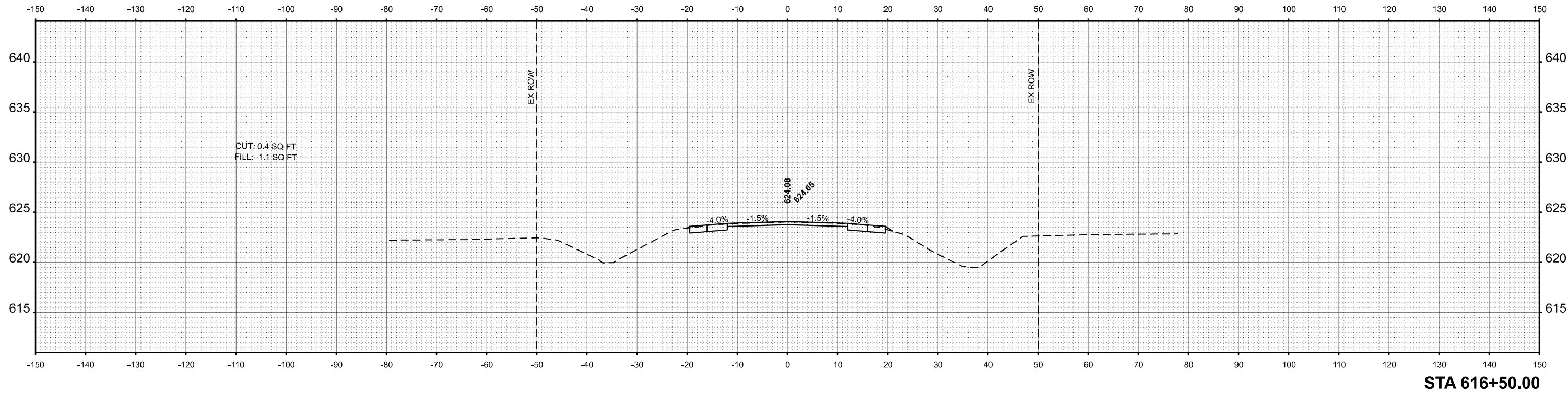
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

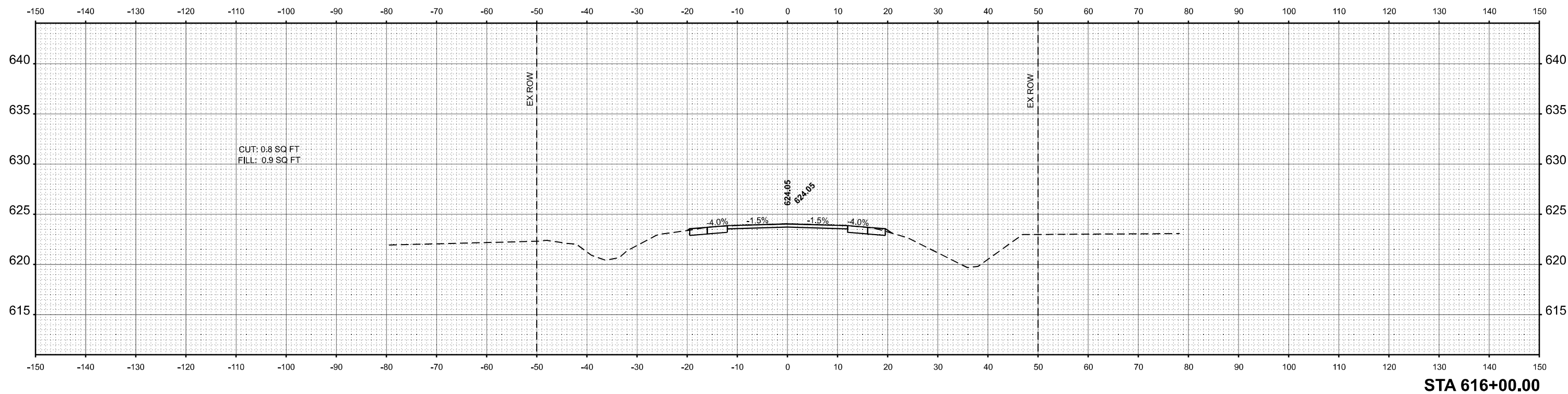
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	58
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
AREAS CHECKED	
NO.	



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USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

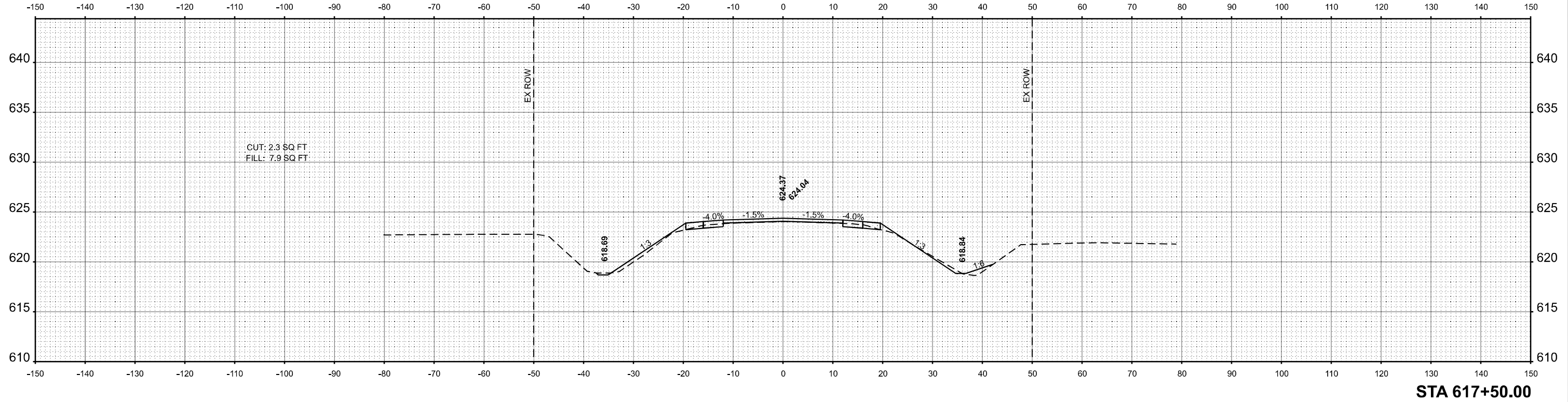
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

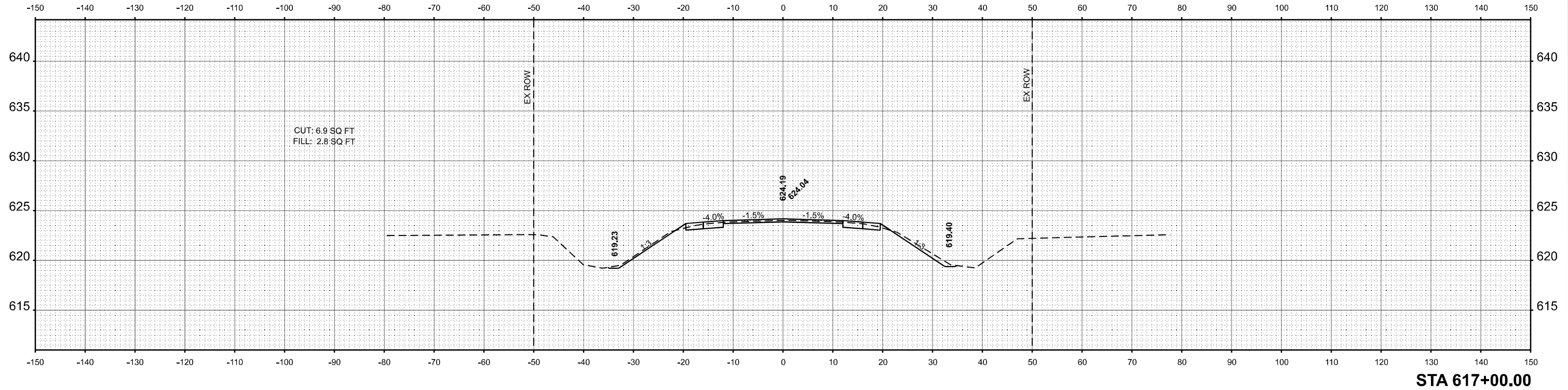
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	59
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



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USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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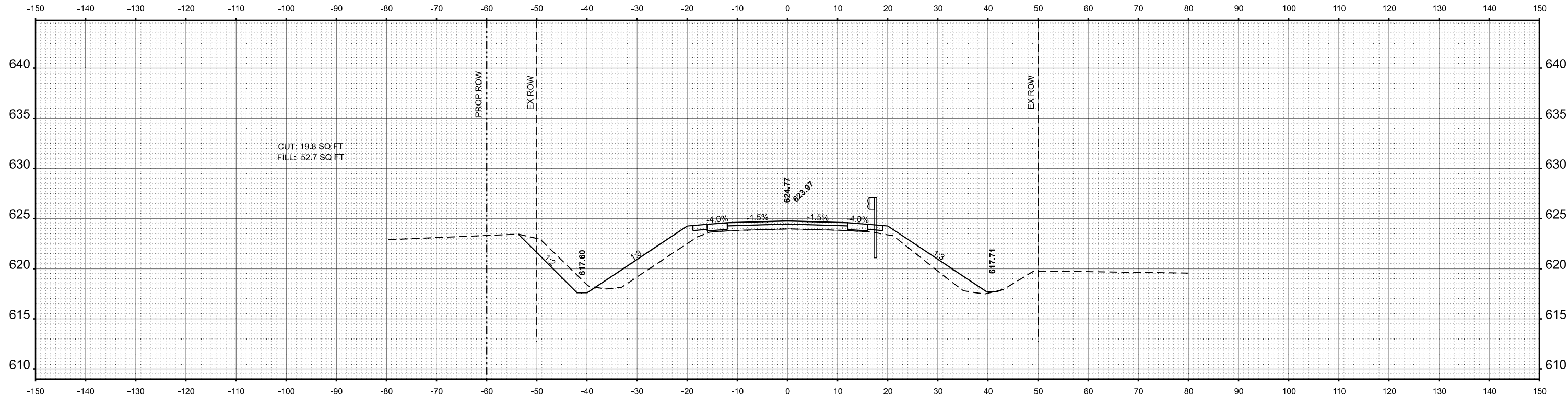
CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	60
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

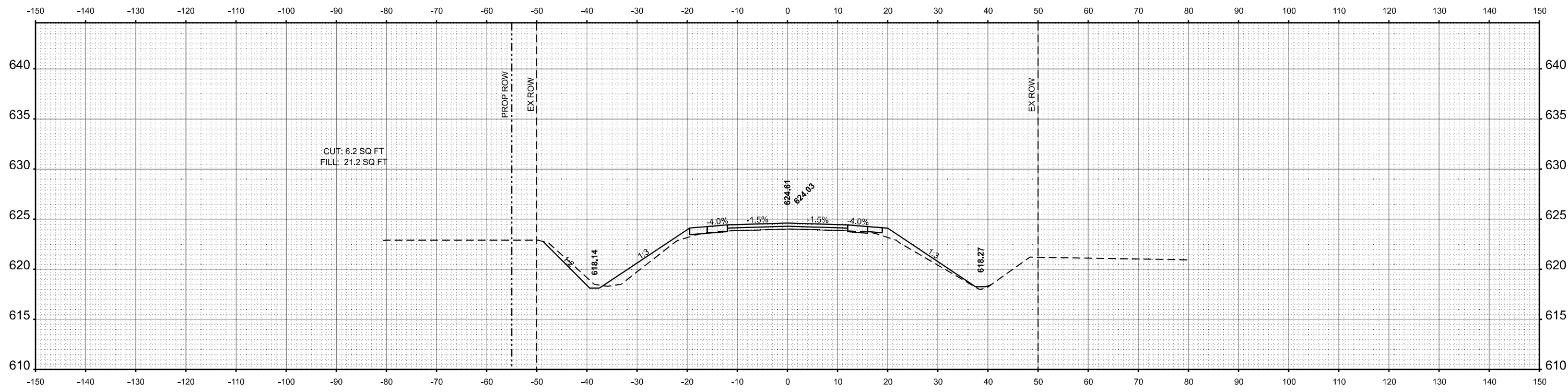
BY	DATE

DATE	
BY	

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STA 618+50.00



STA 618+00.00

USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

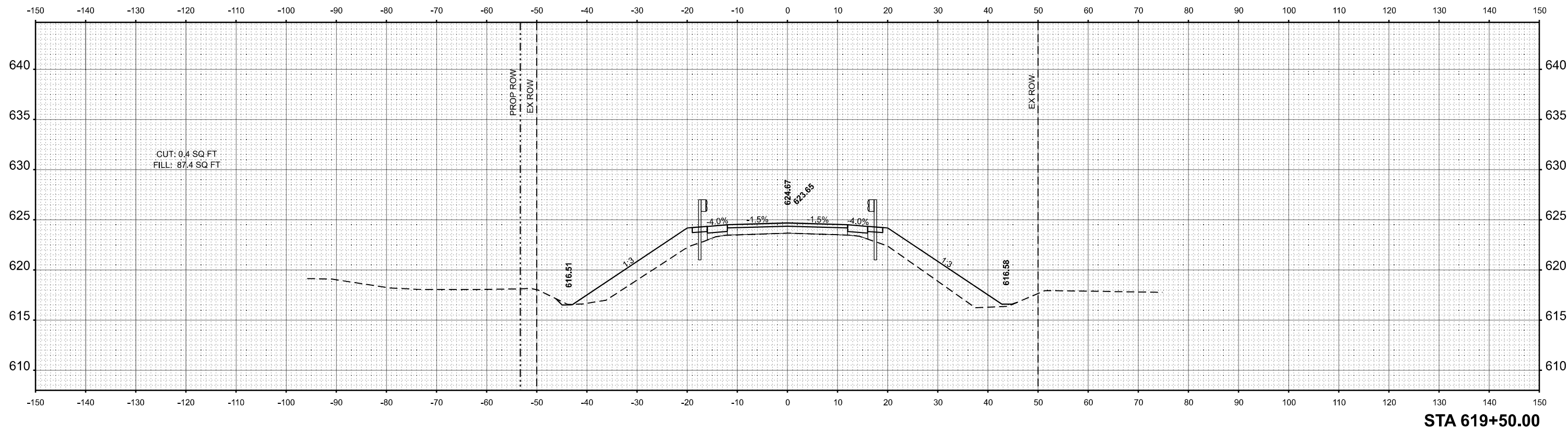
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

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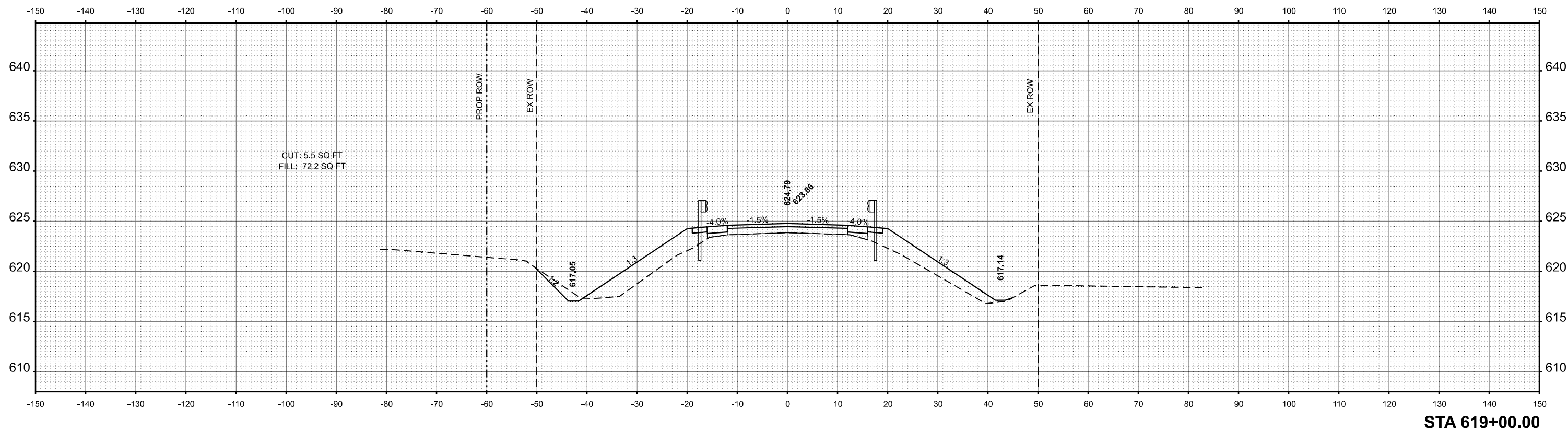
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	61
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

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



STA 619+50.00

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



STA 619+00.00

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USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

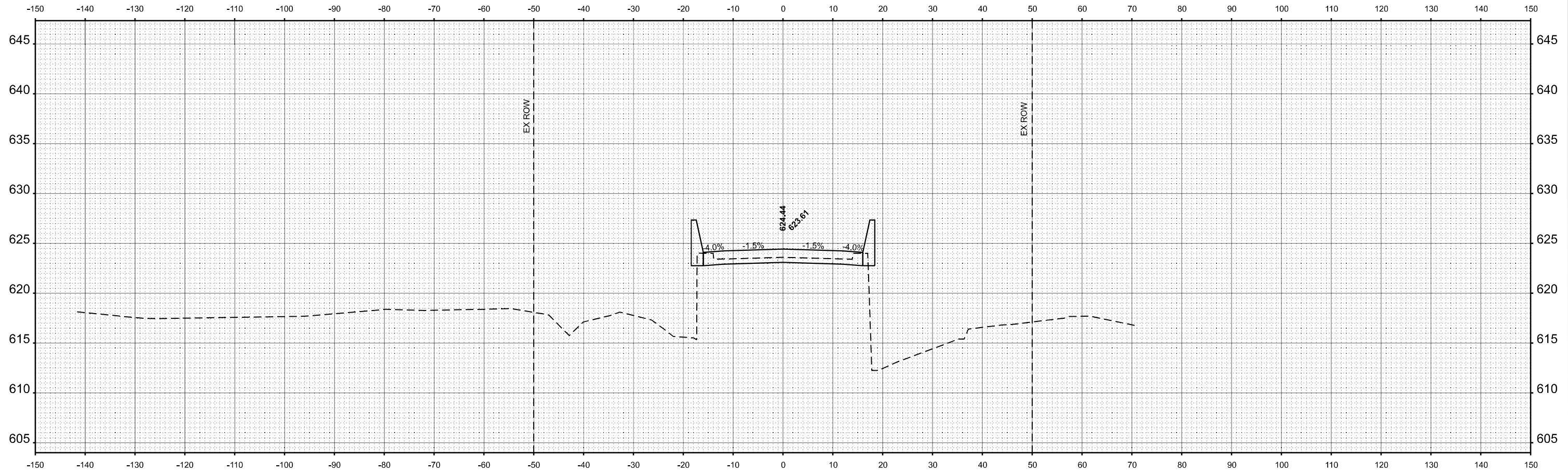
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	62
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

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STA 620+00.00

USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

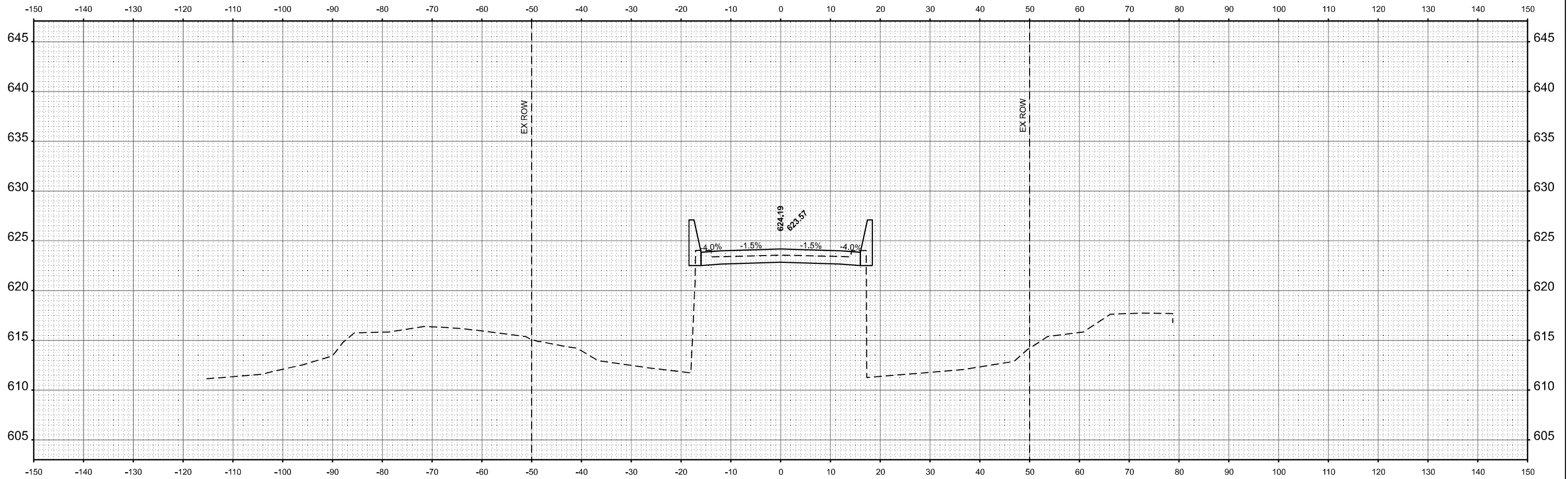
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	63
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

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

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

MODEL: I:_Proj_Profile - 620+50.00 R2 (Sheet) No.
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STA 620+50.00

USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

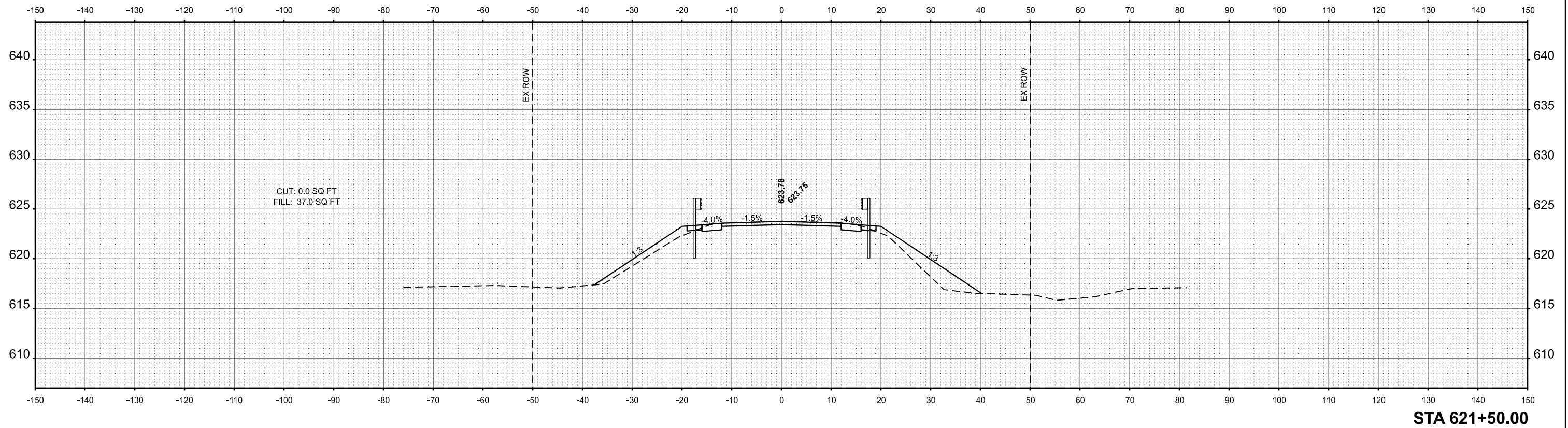
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

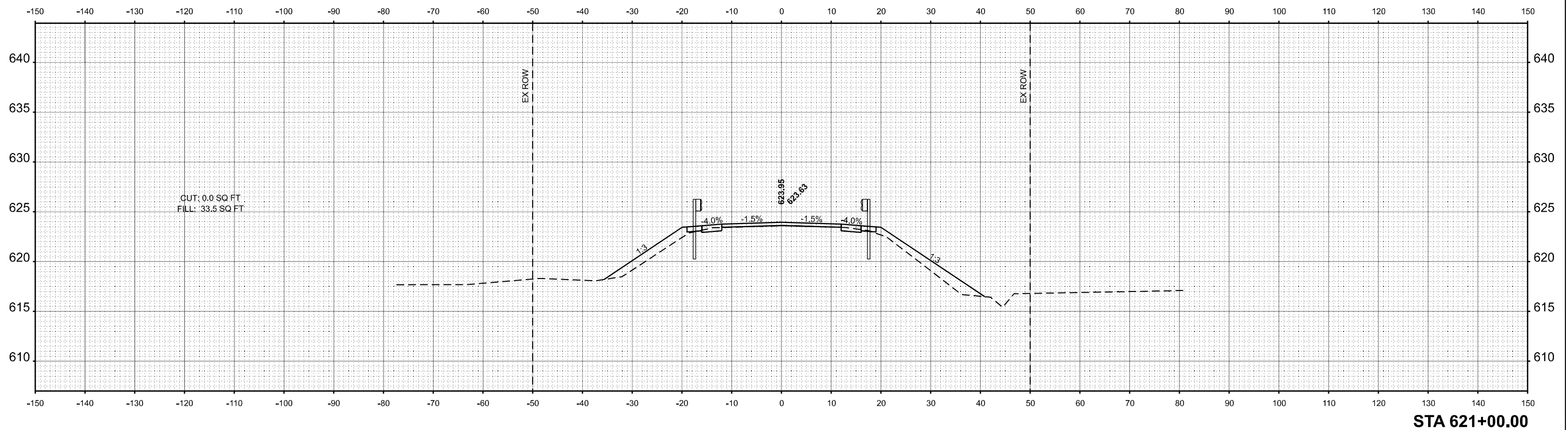
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	64
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
AREAS CHECKED	
NO.	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
AREAS CHECKED	
NO.	



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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

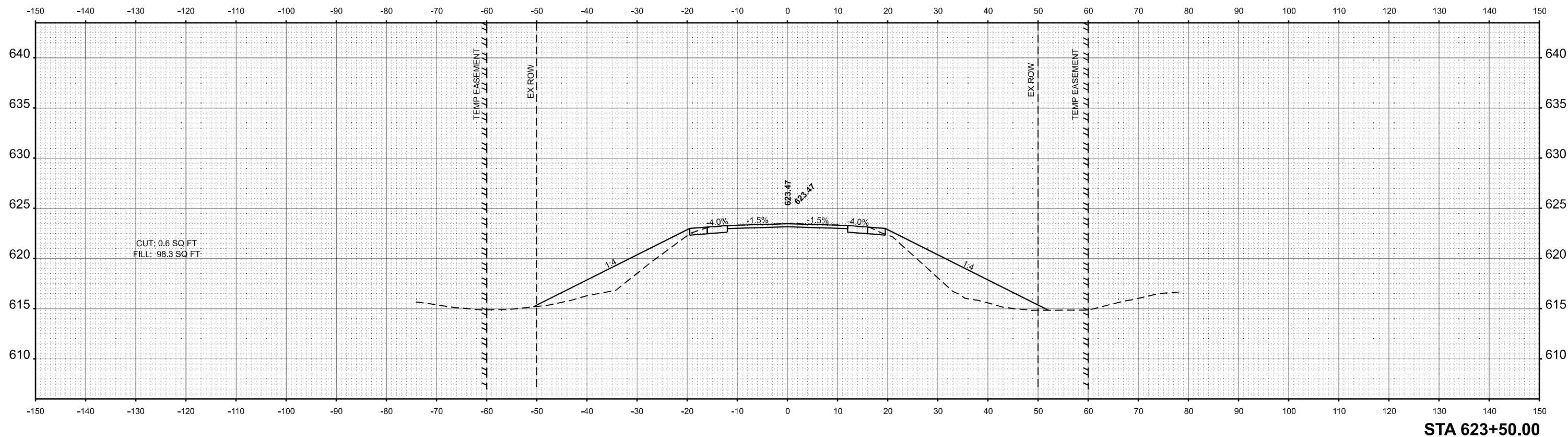
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

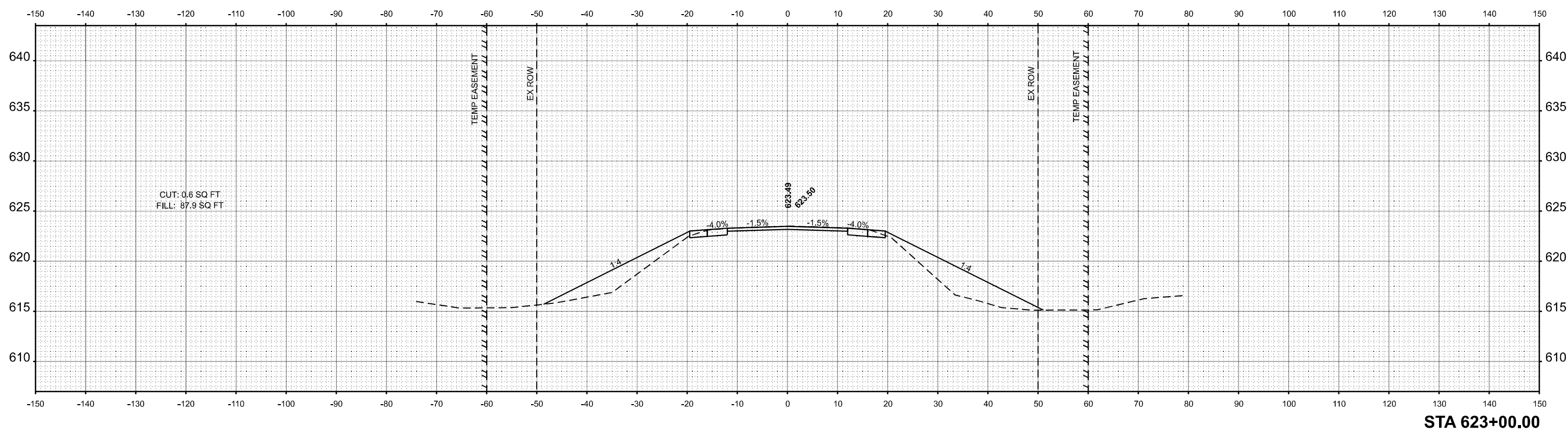
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	65
CONTRACT NO. 66K84				
ILLINOIS FED. AID PROJECT				

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



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



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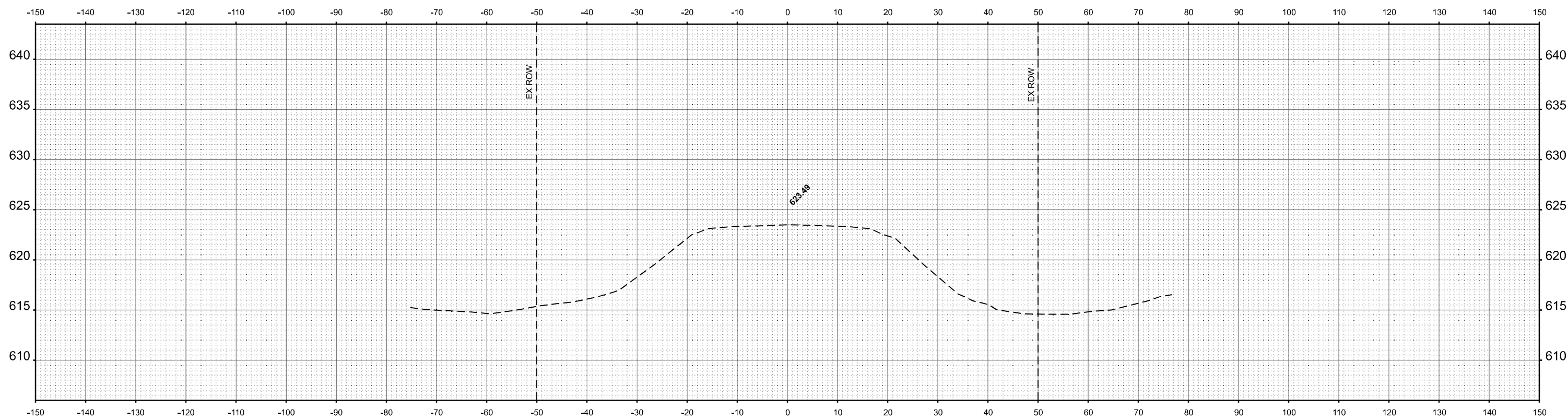
USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
SCALE: 1"=10'	SHEET 10 OF 11 SHEETS
STA. 623+00.00 R2	TO STA. 623+50.00 R2

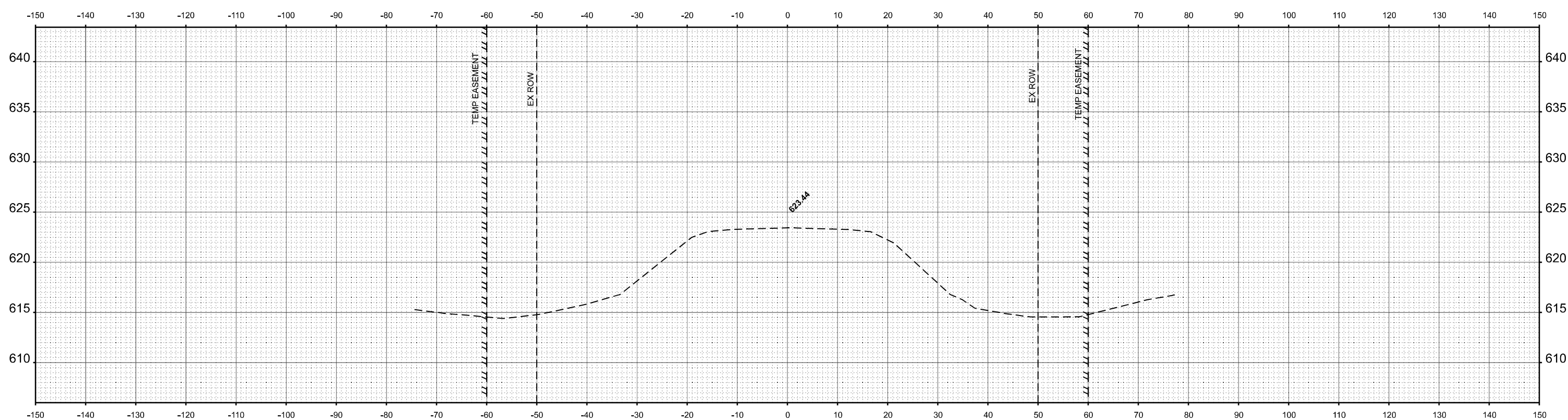
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	67
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				

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



STA 624+50.00

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



STA 624+00.00

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USER NAME = Cassandra.Nolasco	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 9/25/2024	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SCALE: 1"=10' SHEET 11 OF 11 SHEETS STA. 624+00.00 R2 TO STA. 624+50.00 R2

CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	(4 BR-4)BR	IROQUOIS	68	68
CONTRACT NO. 66K94				
ILLINOIS FED. AID PROJECT				