

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	1
		ILLINOIS	CONTRACT NO. 78147	

FOR INDEX OF SHEETS, SEE SHEET NO. 3
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4-9

PROPOSED HIGHWAY PLANS

FAP ROUTE 782 (IL 1)
SECTION 111(B-1)
PROJECT BR-U0AZ(332)
BRIDGE REPLACEMENT OVER CRAWFORD CREEK
GALLATIN COUNTY

TRAFFIC DATA

FAP 782 (IL 1)
EXISTING ADT = 1310 (2026)
%SU = 95 (7.25%)
%MU = 315 (24.05%)

TOWNSHIPS

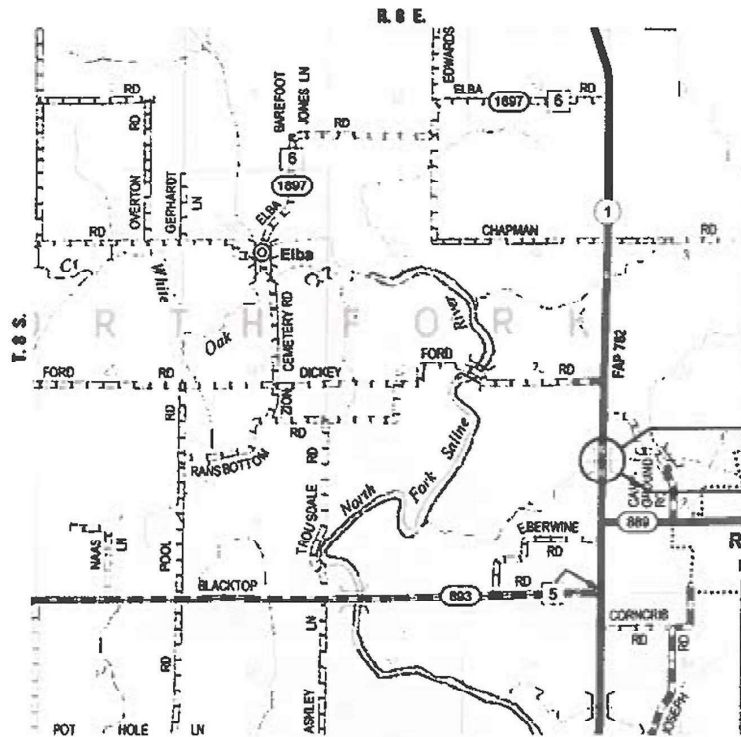
NORTH FORK AND RIDGWAY TOWNSHIPS

DESIGN DESIGNATION : MINOR ARTERIAL

COORDINATE SYSTEM : NORTH AMERICAN DATUM (NAD) 83
POSTED SPEED : 55 MPH

PROPOSED SN 030-0025
STRUCTURE STA. 647+52
POURED CONCRETE SLAB
STRUCTURE 114'-0" BK-BK. ABUTS.
32'-0" CL. DECK WIDTH NO SKEW

EXISTING SN 030-0019
STRUCTURE STA. 647+52
PRECAST PRESTRESSED CONCRETE
DECK BEAM STRUCTURE 104'-2"
BK-BK. ABUTS. 31'-0" CL. DECK WIDTH
NO SKEW



LOCATION MAP

GROSS LENGTH = 820.00 FT. = 0.155 MILES
NET LENGTH = 820.00 FT. = 0.155 MILES

BEGIN PROJECT
STA. 643+80
END PROJECT
STA. 652+00



LOCATION OF SECTION INDICATED THUS: [shaded area symbol]

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

PROJECT ENGINEER: EHREN KIRBY
PROJECT DESIGNER: VEENSTRA & KIMM, INC.

CONTRACT NO. 78147



Christopher P. Kohlman 1/17/25
EXPIRATION DATE 11/30/2025

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 22 20 25
Lora S. Remington
REGION FIVE ENGINEER

March 21 20 25
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 21 20 25
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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PLOT SCALE	= 2.000' / 1 in.	DATE	-	REVISIONS	-
PLOT DATE	= 1/17/2025				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SEALS & SIGNATURES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	2
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

Prepared By: *Susan R*
DISTRICT STUDIES & PLANS ENGINEER

Examined By: *Nancy Lee*
DISTRICT LAND ACQUISITION ENGINEER

Examined By: *Chris Nelson*
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: *R. Coon*
DISTRICT OPERATIONS ENGINEER

Examined By: _____
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: *Bessie*
DISTRICT CONSTRUCTION ENGINEER

Examined By: *Aam Day*
DISTRICT MATERIALS ENGINEER

GENERAL NOTES

- 1.) THE CENTERLINE PAVEMENT MARKING SHALL BE REMOVED FROM THE STOP BAR TO THE SAND ATTENUATORS OR DRUMS. EDGE LINE PAVEMENT MARKING SHALL BE REMOVED IF A 10 FOOT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHALL BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.
- 2.) THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE HMA SURFACE REMOVAL AND SURFACE COURSE.
- 3.) AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
- 4.) LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE HMA SURFACE COURSE.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL AGGREGATE MATERIAL	2.05 TON/CU. YD.
ALL HOT-MIX ASPHALT	2.016 TON/CU. YD.
RIPRAP	1.5 TON/CU. YD.
EARTH	110 LBS/CU. YD.

COMMITMENTS

NONE

INDEX OF SHEETS

1	TITLE SHEET
2	SIGNATURE SHEET
3	GENERAL NOTES, COMMITMENTS & PROJECT SPECIFIC NOTES
4-9	SUMMARY OF QUANTITIES
10	ALIGNMENT TIES & BENCHMARKS
11-13	TYPICAL ROADWAY SECTIONS
14-16	SCHEDULE OF QUANTITIES
17	PLAN & PROFILE
18-19	STAGE CONSTRUCTION PLAN
20-21	STAGING TYPICAL SECTIONS
22	BUTT JOINT DETAILS
23	PAVEMENT MARKING PLAN
24	EROSION CONTROL PLAN
25-47	STRUCTURE PLANS (SN 030-0025)
48-52	EXISTING STRUCTURE PLANS (SN 030-0019)
53-57	DISTRICT 9 STANDARDS, SEEDING AND MULCH, ROUGH
	GROOVED SURFACE, UNEVEN LANE SIGN,
	STEP CONSTRUCTION ON EXISTING FILL,
	ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS,
58-62	CROSS SECTIONS

MIXTURE REQUIREMENTS

LOCATIONS	HMA SURFACE COURSE	HMA SHOULDERS 8" & 10" (LOWER LIFT)	HMA SHOULDERS 8" & 10" (TOP LIFT)	HMA BINDER COURSE
MIXTURE USES:	HMA SURFACE COURSE, IL-9.5, MIX C, N70	HMA BASE COURSE, N30, IL-19.0	HMA SURFACE COURSE, MIX C, N30	HMA BINDER COURSE, IL-19.0, N70
AB/PG	PG64-22	PG64-22	PG64-22	PG64-22
DESIGN AIR VOIDS	4.0%, 70 GYRATION DESIGN	4.0%, 30 GYRATION DESIGN	4.0%, 30 GYRATION DESIGN	4.0%, 70 GYRATION DESIGN
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL-9.5MM	IL-19.0	IL-9.5L	IL-19.0
FRICTION AGGREGATE	MIX C	NONE	MIX C	NONE
MIXTURE WEIGHT	112 LBS./SQ. YD./INCH	112 LBS./SQ. YD./INCH	112 LBS./SQ. YD./INCH	112 LBS./SQ. YD./INCH
QUALITY MANAGEMENT PROGRAM	QCQA	QCQA	QCQA	QCQA
SUBLOT SIZE	3000 TONS	3000 TONS	3000 TONS	3000 TONS
MATERIAL TRANSFER DEVICE	NO	NO	NO	NO

LIFT THICKNESS REQUIREMENTS

- SHOULDERS 8":
 - 2" SURFACE COURSE
 - 2 1/4" BINDER COURSE
 - 3 3/4" BINDER COURSE
- SHOULDERS 10":
 - 2" SURFACE COURSE
 - 4" BINDER COURSE
 - 4" BINDER COURSE

STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420401-13 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 515001-04 NAME PLATE FOR BRIDGES
- 630001-13 STEEL PLATE BEAM GUARDRAIL
- 630201-07 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631031-18 TRAFFIC BARRIER TERMINAL TYPE 6
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24' (600mm) FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-05 LANE CLOSURE, 2L, 2W, 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
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 420001-10 PAVEMENT JOINTS
- 420701-03 PAVEMENT WELDED WIRE MESH

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, COMMITMENTS & PROJECT SPECIFIC NOTES

SCALE: SHEET NO. 1 OF 15 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	III(B-1)	GALLATIN	62	3
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY 0010 S.N.	BRIDGE 0010 030-0019
20200100	EARTH EXCAVATION	CU YD	37	37	
20300100	CHANNEL EXCAVATION	CU YD	494		494
20400800	FURNISHED EXCAVATION	CU YD	222	222	
25000200	SEEDING, CLASS 2	ACRE	0.9	0.9	
25000350	SEEDING, CLASS 7	ACRE	0.9	0.9	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	81	81	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	81	81	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	81	81	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	1.8	1.8	
25100115	MULCH, METHOD 2	ACRE	1.8	1.8	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	90	90	
28000400	PERIMETER EROSION BARRIER	FOOT	908	908	
28100107	STONE RIPRAP, CLASS A4	SQ YD	1050		1050
28200200	FILTER FABRIC	SQ YD	1050		1050

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	DATE = _____	REVISED = _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 6 SHEETS STA. _____ TO STA. _____

F A P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(0-1)	GALLATIN	62	4
			CONTRACT NO. 78147	
ILLINOIS FEDERAL PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY 0010 S.N.	BRIDGE 0010 030-0019
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	1644	1644	
40600370	LONGITUDINAL JOINT SEALANT	FOOT	692	692	
40600982	HOTMIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	563	563	
40600990	TEMPORARY RAMP	SQ YD	69	69	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	253	253	
40604052	HOTMIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	192	192	
42000060	WELDED WIRE REINFORCEMENT	SQ YD	108	108	
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	108	108	
44000100	PAVEMENT REMOVAL	SQ YD	240	240	
44004250	PAVED SHOULDER REMOVAL	SQ YD	624	624	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	194	194	
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	564	564	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50200100	STRUCTURE EXCAVATION	CU YD	188		188

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PLOT DATE = 1/28/2025		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 2 OF 6 SHEETS STA. _____ TO STA. _____

F A P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(0-1)	GALLATIN	62	5
				CONTRACT NO. 78147
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE ROADWAY	80% FEDERAL 20% STATE BRIDGE
				0010	0010
				S.N.	030-0019
50200300	COFFERDAM EXCAVATION	CU YD	212		212
50201121	COFFERDAM (TYPE 2) (LOCATION - 1)	EACH	1		1
50201122	COFFERDAM (TYPE 2) (LOCATION - 2)	EACH	1		1
50300100	FLOOR DRAINS	EACH	18		18
50300225	CONCRETE STRUCTURES	CU YD	201.0		201.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	285.2		285.2
50300260	BRIDGE DECK GROOVING	SQ YD	574		574
50300300	PROTECTIVE COAT	SQ YD	747		747
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	94.8		94.8
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	144620		144620
50800515	BAR SPLICERS	EACH	788		788
51202100	FURNISHING STEEL PILES HP14X117	FOOT	1876		1876
51202305	DRIVING PILES	FOOT	1876		1876
51204100	TEST PILE STEEL HP14X117	EACH	4		4

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NONE		SHEET 3	OF 6	SHEETS	STA. _____	TO STA. _____
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SUMMARY OF QUANTITIES

F A P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(0-1)	GALLATIN	62	6
			CONTRACT NO. 7147	
ILLINOIS FEDERAL PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE ROADWAY	80% FEDERAL 20% STATE BRIDGE
				0010	0010
				S.N.	030-0019
51500100	NAME PLATES	EACH	1		1
52200010	TEMPORARY SHEET PILING	SQ FT	796		796
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	96		96
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	128		128
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	175	175	
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3	
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	427	427	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	
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	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 4 OF 6 SHEETS STA. _____ TO STA. _____

F A P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(0-1)	GALLATIN	62	7
			CONTRACT NO. 78147	
ILLINOIS FEDERAL PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE
				ROADWAY	BRIDGE
				0010 S.N.	0010 030-0019
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10	10	
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	88	88	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	30	30	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	425	425	
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	33	33	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	325	325	
70500100	TEMPORARY STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	100	100	
70500665	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2	
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1	1	
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	
70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 5 OF 6 SHEETS STA. _____ TO STA. _____

F A P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(0-1)	GALLATIN	62	8
			CONTRACT NO. 70147	
ILLINOIS FEDERAL AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	
				ROADWAY	BRIDGE	
				0010 S.N.	0010 030-0019	
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	6		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	2418	2418		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	16	16		
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	11	11	
	78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	565	565	
* 86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	1		
∅ Z0076600	TRAINEES	HOUR	500	500		
	X7050167	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	2	2	
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500		
	Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	44	44	

* SPECIALTY ITEM
∅ 0042

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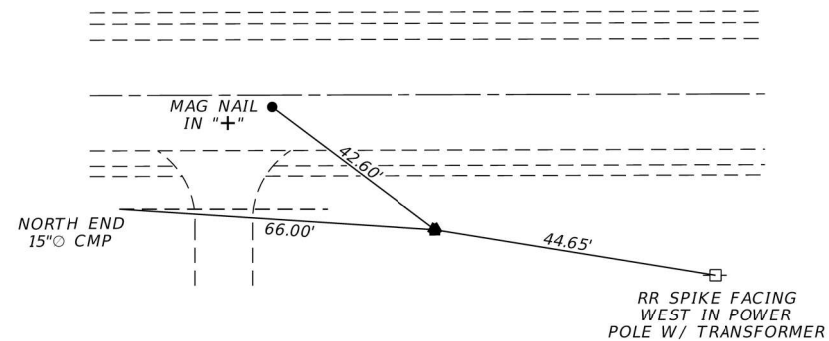
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

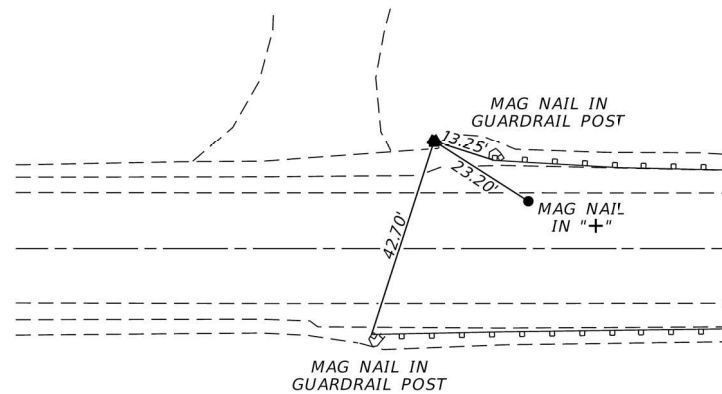
SUMMARY OF QUANTITIES

SCALE: NONE SHEET 6 OF 6 SHEETS STA. _____ TO STA. _____

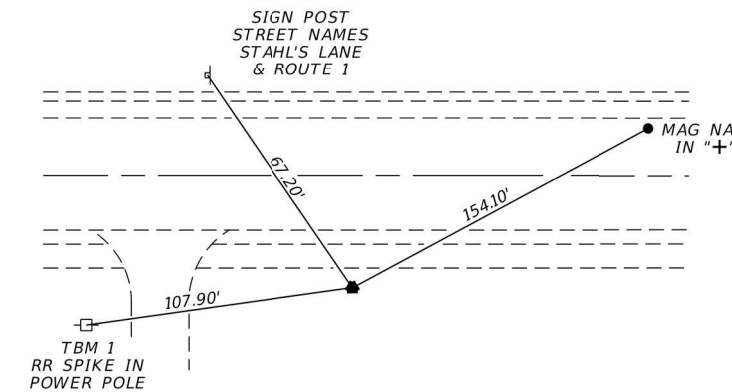
F A P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(0-1)	GALLATIN	62	9
			CONTRACT NO. 78147	
ILLINOIS FEDERAL AID PROJECT				



3000191
 #5 REBAR WITH IDOT CAP
 28.13' RT STA. 659+43.5
 N 413376.690'
 E 999032.416'
 EL. 368.454



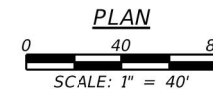
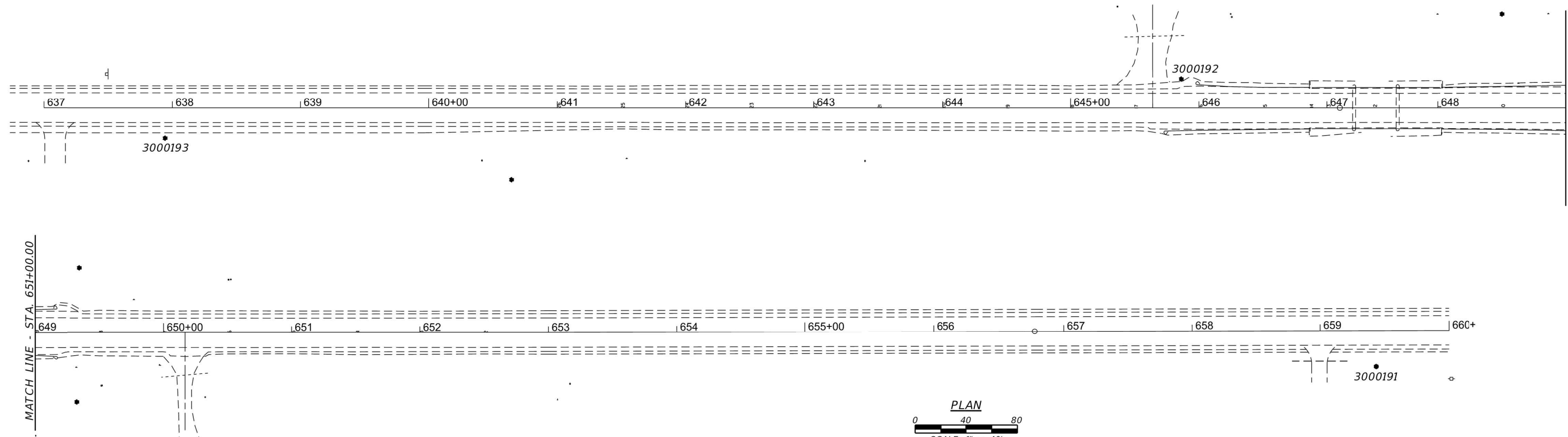
3000192
 #5 REBAR WITH IDOT CAP
 22.39' LT STA. 645+86.25
 N 414721.243'
 E 999091.427'
 EL. 366.453



3000193
 #5 REBAR WITH IDOT CAP
 23.45' RT STA. 637+94.32
 N 415513.451'
 E 999051.556'
 EL. 382.388

BENCHMARKS

CW8A - CHISELED "□" IN S.W. CORNER OF WINGWALL S.N. 030-0019
 17.7' RT. STA. 648+04 EL. 367.529



MODEL: Default
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VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

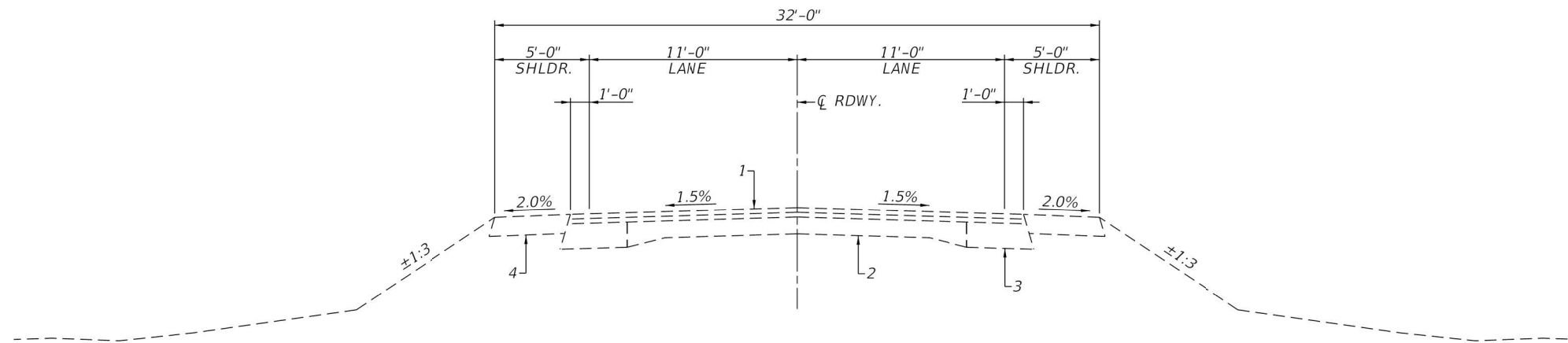
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

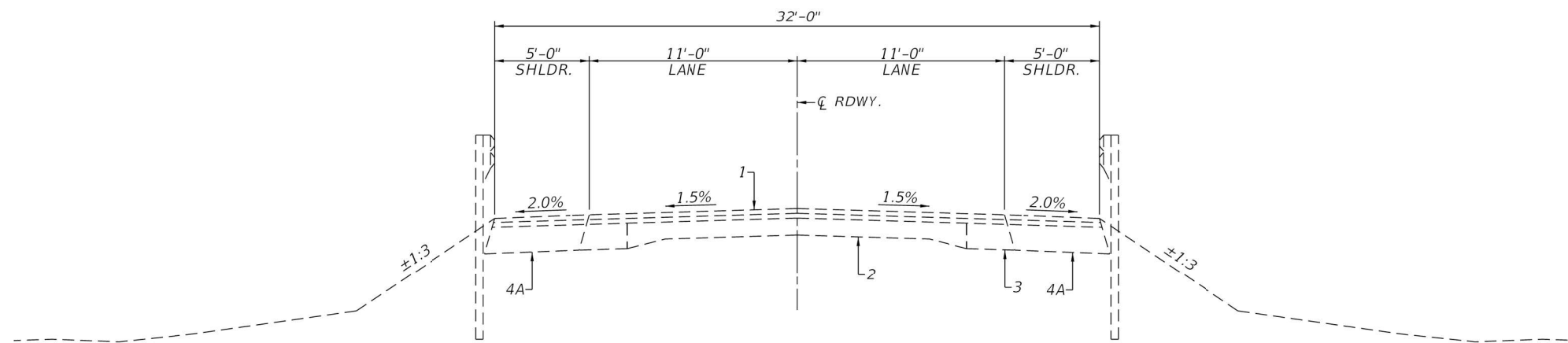
ALIGNMENT TIES & BENCHMARKS

SCALE: VARIES SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	10
			CONTRACT NO. 78147	
			ILLINOIS FED. AID PROJECT	



EXISTING CROSS SECTION
 (STA. 643+80 TO STA. 645+73 RT., STA. 642+20 TO STA. 645+98 LT.,
 & STA. 649+17 TO STA. 652+00 LT. & RT.)



EXISTING CROSS SECTION
 (STA. 645+73 TO STA. 646+86 RT., STA. 645+98 TO STA. 646+86 LT.,
 & STA. 648+04 TO STA. 649+17 LT. & RT.)

- PAVEMENT LEGEND**
- 1 - EX HMA OVERLAYS
 - 2 - EX PCC CONCRETE
 - 3 - EX PCC WIDENING 9"
 - 4 - EX AGG. SHOULDER
 - 4A- EX HMA SHOULDER
 - 5 - PROP HMA SURFACE CSE
 - 6 - PROP HMA BINDER CSE
 - 7 - PROP HMA SHOULDER 8"
 - 8 - PROP GUARDRAIL
 - 9 - PROP PAINT PAVT MKING - LINE 4"
 - 10 - PROP EARTH SHOULDER
 - 11 - PROP HMA SHOULDER 10"
 - 12 - PROP APPROACH SLAB
 - 13 - PROP EARTH SHOULDER

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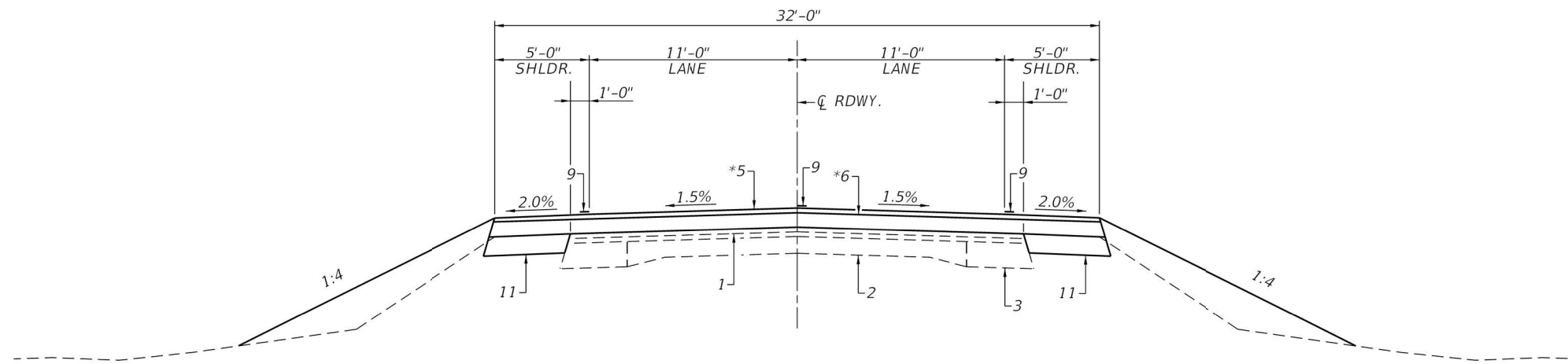
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PLOT DATE = 1/17/2025	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL ROADWAY SECTIONS

SCALE: 1" = 4' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

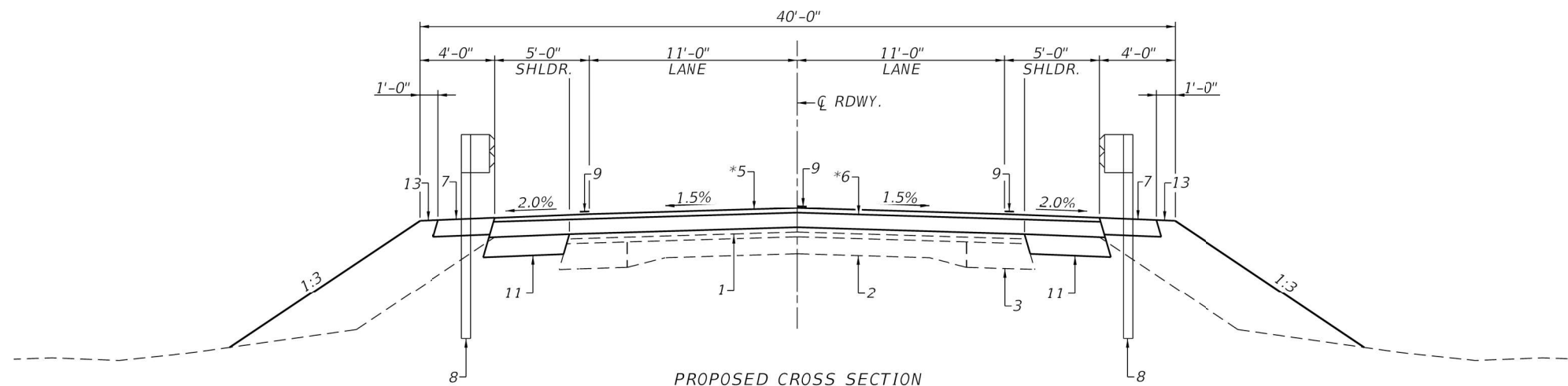
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	11
			CONTRACT NO. 78147	
ILLINOIS FED. AID PROJECT				



PROPOSED CROSS SECTION

(STA. 643+80 TO STA. 645+04.1 & STA. 649+35.9 TO STA. 652+00 RT.
STA. 643+80 TO STA. 645+79.1 & STA. 649+85.9 TO STA. 652+00 LT.)

* NOTE HMA BINDER COURSE AND SURFACE COURSE WILL BE PLACED ON SHOULDERS FROM STA. 643+80 TO STA. 646+37 LT. & RT. & STA. 648+53 TO STA. 652+00 LT. & RT.



PROPOSED CROSS SECTION

(STA. 645+04.1 TO STA. 646+51 RT., STA. 645+79.1 TO STA. 646+51 LT.,
STA. 648+39 TO STA. 649+35.9 RT. & STA. 648+39 TO STA. 649+85.9 LT.)

PAVEMENT LEGEND

- 1 - EX HMA OVERLAYS
- 2 - EX PCC CONCRETE
- 3 - EX PCC WIDENING 9"
- 4 - EX AGG. SHOULDER
- 4A- EX HMA SHOULDER
- 5 - PROP HMA SURFACE CSE
- 6 - PROP HMA BINDER CSE
- 7 - PROP HMA SHOULDER 8"
- 8 - PROP GUARDRAIL
- 9 - PROP PAINT PAVT MKING - LINE 4"
- 10 - PROP EARTH SHOULDER
- 11 - PROP HMA SHOULDER 10"
- 12 - PROP APPROACH SLAB
- 13 - PROP EARTH SHOULDER

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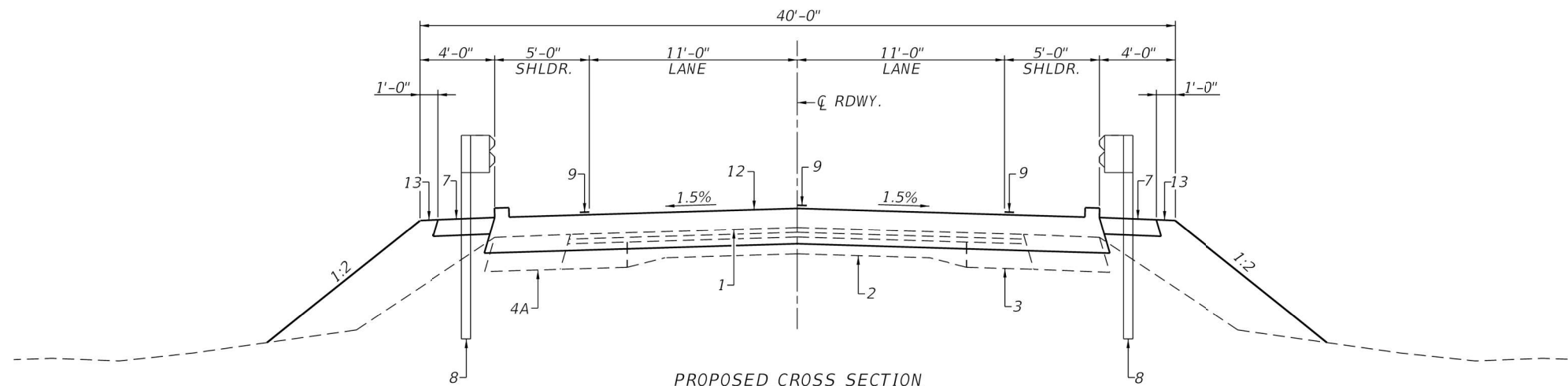
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PLOT DATE = 1/17/2025	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL ROADWAY SECTIONS

SCALE: 1" = 4' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	12
			CONTRACT NO. 78147	
ILLINOIS FED. AID PROJECT				



PROPOSED CROSS SECTION
 (STA. 646+51 TO STA. 646+81 &
 STA. 648+09 TO STA. 648+39)

- PAVEMENT LEGEND**
- 1 - EX HMA OVERLAYS
 - 2 - EX PCC CONCRETE
 - 3 - EX PCC WIDENING 9"
 - 4 - EX AGG. SHOULDER
 - 4A- EX HMA SHOULDER
 - 5 - PROP HMA SURFACE CSE
 - 6 - PROP HMA BINDER CSE
 - 7 - PROP HMA SHOULDER 8"
 - 8 - PROP GUARDRAIL
 - 9 - PROP PAINT PAVT MKING - LINE 4"
 - 10 - PROP EARTH SHOULDER
 - 11 - PROP HMA SHOULDER 10"
 - 12 - PROP APPROACH SLAB
 - 13 - PROP EARTH SHOULDER

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VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckohlrus	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 8.0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 1/17/2025	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TYPICAL ROADWAY SECTIONS

SCALE: 1" = 4' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	13
			CONTRACT NO. 78147	
ILLINOIS FED. AID PROJECT				

EARTHWORK								
LOCATION	EARTH EXCAVATION	ADJUSTED SHRINKAGE FACTOR	EARTH EXCAVATION (ADJUSTED)	EMBANKMENT	EARTHWORK BALANCE		FURNISHED EXCAVATION	REMARKS
					EXCAVATION REQUIRED TO COMPLETE	EXCESS EXCAVATION		
	CU. YD.	%	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.	
STA. 643+80 TO STA. 646+81	13	25	10	180	0	0	170	
STA. 648+09 TO STA. 652+00	24	25	18	70	0	0	52	
TOTAL	37		28	250	0	0	222	

PAINT PAVEMENT MARKING SCHEDULE			
LOCATION	PAINT PAVEMENT MARKING - LINE 4"		
	SOLID LINE NO PASSING (YELLOW)	30' SKIP 10' DASH (YELLOW)	EDGE LINE (WHITE)
	FOOT	FOOT	FOOT
STA. 643+80 TO STA. 652+00 LT.			806
STA. 643+80 TO STA. 652+00 CENTERLINE (E. SIDE)		210	
STA. 645+90 TO STA. 652+00 CENTERLINE	596		
STA. 643+80 TO STA. 652+00 RT.			806
	SUBTOTAL	596	210
	TOTAL	2418	

PERMANENT SEEDING						
LOCATION	SEEDING CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD 2
	ACRE	POUND	POUND	POUND	TON	ACRE
STA. 643+80 TO STA. 647+22 LT.	0.22	20	20	20	0.44	0.44
STA. 643+80 TO STA. 647+22 RT.	0.19	17	17	17	0.38	0.38
STA. 647+53 TO STA. 652+00 LT.	0.25	22	22	22	0.50	0.50
STA. 647+53 TO STA. 650+10 RT.	0.13	12	12	12	0.26	0.26
STA. 650+23 TO STA. 652+00 RT.	0.11	10	10	10	0.22	0.22
TOTAL	0.90	81	81	81	1.80	1.80

PAVEMENT REMOVAL SCHEDULE	
LOCATION	PAVEMENT REMOVAL
	SQ. YD.
STA. 646+37 TO STA. 646+85.9	120
STA. 648+04.1 TO STA. 648+53	120
TOTAL	240

PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB		
LOCATION	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	WELDED WIRE REINFORCEMENT
	SQ. YD.	SQ. YD.
STA. 646+37 TO STA. 646+52	54	54
STA. 648+38 TO STA. 648+53	54	54
TOTAL	108	108

HOT-MIX ASPHALT					
LOCATION	HOT-MIX ASPHALT SURFACE REMOVAL (BUTT JOINT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX"C", N70	TEMPORARY RAMP
	SQ. YD.	POUND	TON	TON	SQ. YD.
STA. 643+80 TO STA. 644+60	196				7
STA. 650+50 TO STA. 652+00	367				7
STA. 643+80 TO STA. 646+37 INCLUDES SHOULDERS LT. & RT.		895	116	81	
STA. 648+53 TO STA. 652+00 INCLUDES SHOULDERS LT. & RT.		749	137	111	
STA. 646+19 TO STA. 646+37 LT. (STAGE I TRAFFIC)					24
STA. 648+53 TO STA. 648+76 RT. (STAGE I TRAFFIC)					31
TOTAL	563	1644	253	192	69

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PLOT SCALE = 2.003' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/7/2025	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUANTITY SCHEDULES			
SCALE:	SHEET	OF	SHEETS
NONE	1	3	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	14
			CONTRACT NO. 78147	
ILLINOIS FED. AID PROJECT				

GUARDRAIL SCHEDULE

LOCATION	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	STEEL PLATE BEAM GUARDRAIL 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL (SPECIAL) FLARED	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A	GUARDRAIL REMOVAL
	EACH	FOOT	EACH	EACH	EACH	EACH	FOOT
	STA. 645+04.1 TO STA. 645+54.1 RT.	1				1	
STA. 645+54.1 TO STA. 646+29.1 RT.		75				4	
STA. 646+29.1 TO STA. 646+66 RT.			1				
STA. 648+24 TO STA. 648+60.9 RT.			1				
STA. 648+60.9 TO STA. 648+85.9 RT.		25				4	
STA. 648+85.9 TO STA. 649+35.9 RT.	1				1		
STA. 645+91.6 TO STA. 646+29.1 LT.				1	1		
STA. 646+29.1 TO STA. 646+66 LT.			1			4	
STA. 648+24 TO STA. 648+60.9 LT.			1				
STA. 648+60.9 TO STA. 649+35.9 LT.		75				4	
STA. 649+35.9 TO STA. 649+85.9 LT.	1				1		
STA. 645+73 TO STA. 646+86 RT.							113
STA. 645+98 TO STA. 646+86 LT.							88
STA. 648+04 TO STA. 649+17 RT.							113
STA. 648+04 TO STA. 649+17 LT.							113
TOTAL	3	175	4	1	4	16	427

TEMPORARY BRIDGE TRAFFIC SIGNALS

LOCATION	TEMPORARY BRIDGE TRAFFIC SIGNALS
	EACH
STA. 643+88 RT.	0.25
STA. 644+13 LT.	0.25
STA. 650+19.5 RT.	0.25
STA. 650+69.5 LT.	0.25
TOTAL	1.0

TEMPORARY RUMBLE STRIPS

LOCATION	TEMPORARY RUMBLE STRIPS
	EACH
STA. 626+38 RT. SOUTHBOUND	1
STA. 631+38 RT. SOUTHBOUND	1
STA. 636+38 RT. SOUTHBOUND	1
STA. 658+19.5 LT. NORTHBOUND	1
STA. 663+19.5 LT. NORTHBOUND	1
STA. 668+19.5 LT. NORTHBOUND	1
TOTAL	6

HMA SHOULDERS

LOCATION	PAVED SHOULDER REMOVAL	HOT-MIX ASPHALT SHOULDERS 8"	HOT-MIX ASPHALT SHOULDERS 10"
	SQ. YD.	SQ. YD.	SQ. YD.
STA. 644+80 TO STA. 646+85.9 LT. & RT.	272		
STA. 648+04.1 TO STA. 652+00 LT. & RT.	352		
STA. 644+88.1 TO STA. 646+81 RT.		59	
STA. 645+78.8 TO STA. 646+81 LT.		34	
STA. 648+24 TO STA. 649+51.9 RT.		42	
STA. 648+24 TO STA. 650+01.9 LT.		59	
STA. 643+80 TO STA. 646+52 LT.			121
STA. 643+80 TO STA. 646+52 RT.			121
STA. 648+38 TO STA. 652+00 LT.			161
STA. 648+38 TO STA. 652+00 RT.			161
TOTAL	624	194	564

TEMPORARY EROSION CONTROL ITEMS

LOCATION	SEEDING CLASS 7	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER
	ACRE	POUND	FOOT
	STA. 643+80 TO STA. 647+22 LT.	0.22	22
STA. 643+80 TO STA. 647+22 RT.	0.19	19	
STA. 647+53 TO STA. 652+00 LT.	0.25	25	
STA. 647+53 TO STA. 650+10 RT.	0.13	13	
STA. 650+23 TO STA. 652+00 RT.	0.11	11	
STA. 645+00 TO STA. 647+22 LT. & RT.			444
STA. 647+68 TO STA. 650+00 LT. & RT.			464
TOTAL	0.90	90	908

SHORT TERM PAVEMENT MARKING

LOCATION	SHORT TERM PAVEMENT MARKING	SHORT TERM PVT. MARK. REMOVAL
	FOOT	SQ. FT.
STA. 643+38 TO STA. 652+00 ASSUME 4' STRIPES AT 40' CENTERS	88	30
TOTAL	88	30

PAVEMENT MARKING REMOVAL - GRINDING

LOCATION	PAVEMENT MARKING REMOVAL - GRINDING
	SQ. FT.
STA. 643+38 TO STA. 652+00 LT. EDGE	287
STA. 643+38 TO STA. 652+00 RT. CENTERLINE SKIP DASH	74
STA. 643+38 TO STA. 645+50 CENTERLINE NO PASSING	204
TOTAL	565

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PLOT SCALE = 2.000' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 1/17/2025	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUANTITY SCHEDULES

SCALE: NONE SHEET 2 OF 3 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	15
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

TEMPORARY CONCRETE BARRIER AND IMPACT ATTENUATORS

LOCATION	IMPACT ATTENUATORS, TEMPORARY (FULLY-REDIRECTIVE, NARROW), TEST LEVEL 3	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, RELOCATE (FULLY-REDIRECTIVE, NARROW) TEST LEVEL 3	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, TEST LEVEL 3
	EACH	FOOT	FOOT	EACH	EACH
STA. 644+98.7 TO STA. 645+28.3	1				
STA. 645+28.3 TO STA. 649+67 (STAGE I)		425			
STA. 649+67 TO STA. 649+96.6	1				
STA. 645+98.4 TO STA. 646+28 CENTERLINE				1	
STA. 646+28 TO STA. 649+67 (STAGE II)			325		
STA. 649+67 TO STA. 649+96.6				1	
STA. 646+25 TO STA. 646+54.6 LT.					1
TOTAL	2	425	325	2	1

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

LOCATION	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
	EACH
STA. 643+80 TO STA. 652+00	11
TOTAL	11

PINNING TEMPORARY CONCRETE BARRIER

LOCATION	PINNING TEMPORARY CONCRETE BARRIER
	EACH
STAGE I	
STA. 645+28.3 TO STA. 646+28	6*
STA. 646+28 TO STA. 646+40.5	1
STA. 646+40.5 TO STA. 646+53	2
STA. 646+53 TO STA. 648+54.5	48*
STA. 648+54.5 TO STA. 648+67	2
STA. 648+67 TO STA. 648+79.5	1
STA. 648+79.5 TO STA. 649+67	6*
STAGE II	
STA. 646+28 TO STA. 646+78	12
STA. 646+78 TO STA. 648+17	0
STA. 648+17 TO STA. 649+79.5	15
STA. 649+79.5 TO STA. 649+67	6*
TOTAL	33

*INCLUDED WITH COST OF TEMPORARY CONCRETE BARRIER

LONGITUDINAL JOINT SEALANT

LOCATION	LONGITUDINAL JOINT SEALANT
	FOOT
STA. 643+60 TO STA. 646+81	301
STA. 648+09 TO STA. 652+00	391
TOTAL	692

CHANGEABLE MESSAGE SIGNS

LOCATION	CHANGEABLE MESSAGE SIGNS
	CAL DAY
SOUTH OF INTERSECTION OF IL 1 AND IL 13 EAST OF EQUALITY	14
SOUTH OF INTERSECTION OF IL 1 AND IL 141 NORTH OF OMAHA	14
TOTAL	28

TEMPORARY GUARDRAIL SCHEDULE

LOCATION	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	TEMPORARY STEEL PLATE BEAM GUARDRAIL	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 6	TERMINAL MARKER - DIRECT APPLIED
	EACH	FOOT	EACH	EACH
STA. 645+04.1 TO STA. 645+54.1 RT.	1			1
STA. 645+54.1 TO STA. 646+29.1 RT.		75		
STA. 646+29.1 TO STA. 646+66 RT.			1	
STA. 648+24 TO STA. 648+60.9 RT.			1	
STA. 648+60.9 TO STA. 648+85.9 RT.		25		
STA. 648+85.9 TO STA. 649+35.9 RT.	1			1
TOTAL	2	100	2	2

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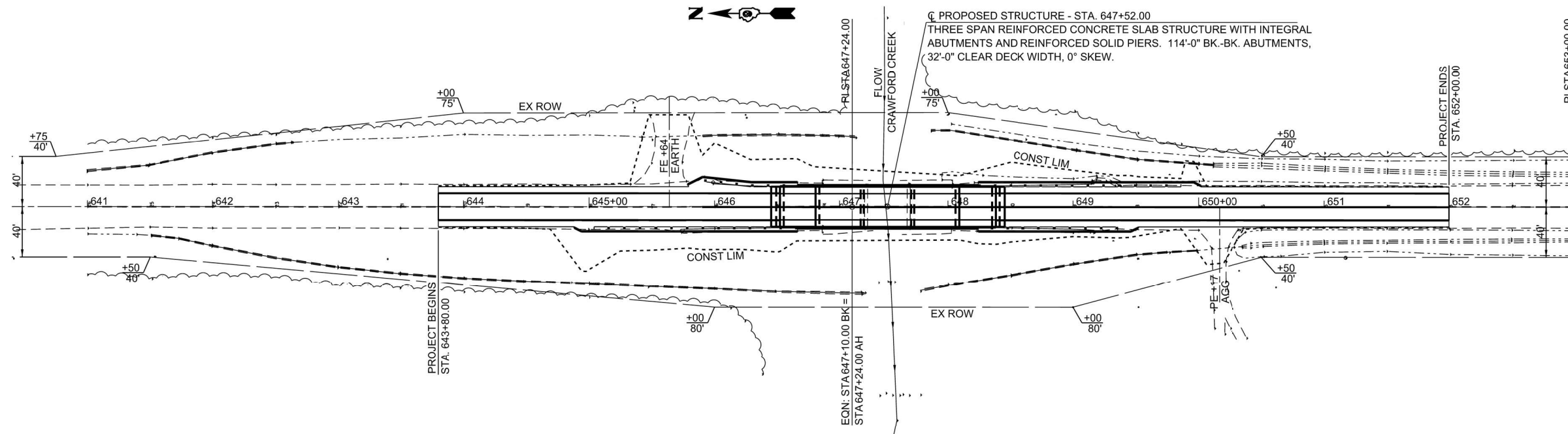
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	DRAWN - _____	REVISED - _____
PLOT SCALE = 2.000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 1/28/2025	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

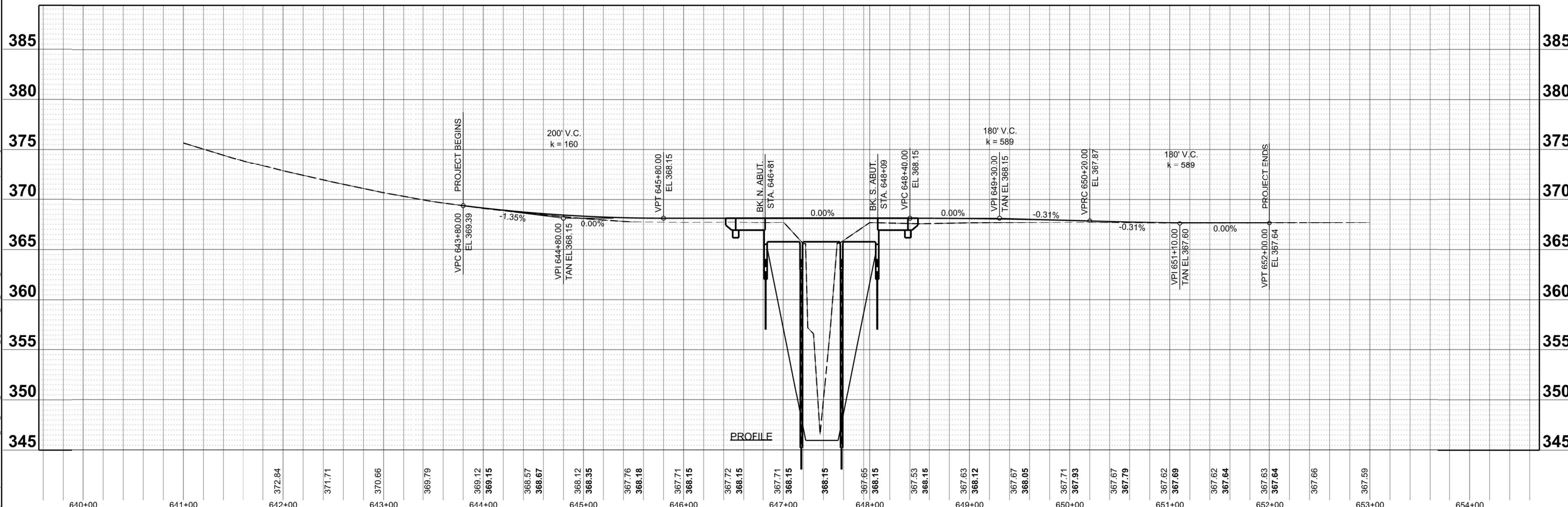
QUANTITY SCHEDULES

SCALE: NONE SHEET 3 OF 3 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	16
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				



PLAN



PROFILE

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PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -
PLOT DATE = 1/17/2025	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE

SCALE: 1"=50' SHEET PLAN 1 OF SHEETS STA. TO STA.

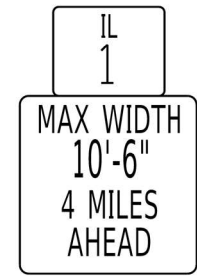
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	17
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

- TRAFFIC CONTROL SHALL BE ERECTED AS SHOWN ACCORDING TO "TRAFFIC CONTROL & PROTECTION, STANDARD 701321.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.
- LOCATION OF TEMPORARY BRIDGE SIGNALS SHALL BE COORDINATED AND PLACED AS DIRECTED BY THE ENGINEER.
- ADDITIONAL SIGNAGE FOR ENTRANCES AND ADVANCE WIDTH RESTRICTION WARNING SHALL BE INCLUDED IN THE COST OF STANDARD 701321.
- SEE STD 701321 FOR COMPLETION OF STAGE CONSTRUCTION SIGNING AND ADVANCE DETECTOR LOOP PLACEMENT NOT SHOWN.
- THE ADVANCE DETECTOR LOOPS ARE TYPICALLY LOCATED 275 FEET IN ADVANCE OF THE STOP BAR. THE BUREAU OF OPERATIONS SHALL APPROVE THE LOOP LOCATIONS PRIOR TO INSTALLATION.
- THE CENTERLINE PAVEMENT MARKING SHALL BE REMOVED FROM THE STOP BAR TO THE SAND ATTENUATORS OR DRUMS. EDGE LINE PAVEMENT MARKING SHALL BE REMOVED IF A 10 FOOT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHALL BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.
- VERTICAL PANELS SHOWN ON STANDARD 701321 WILL NOT BE REQUIRED ON THE STAGE 2 NEW CO-10 RAIL. THE BARRIER WALL REFLECTORS SHALL BE INSTALLED PRIOR TO OPENING TO TRAFFIC.
- ANY TIME THE CONCRETE BARRIER IS NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC AND THE TEMPORARY TRAFFIC SIGNALS SHALL BE TURNED OFF OR COVERED.
- ALL TRAFFIC SIGNALS SHOWN ARE INCLUDED IN TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH.
- THE COST OF THE TEMPORARY PAVEMENT MARKING AND ITS REMOVAL WILL BE INCLUDED IN THE COST OF STANDARD 701321.
- INSTALL TEMPORARY RAMP AS SHOWN ON STAGE I PLAN SHEET AT A TRANSITION RATE OF 40:1. THE TOP WIDTH OF THE TEMPORARY RAMP SHALL EXTEND 1 FOOT BEYOND THE BACK OF STAGE II TEMPORARY CONCRETE BARRIER TAPERING AT 1:1 TO THE EXISTING PAVEMENT. INSTALL TEMPORARY TRAFFIC BARRIERS AS SHOWN ON STAGING SHEETS. PLACEMENT OF THE TEMPORARY RAMP AS INDICATED MAY REQUIRE RELOCATION OF THE TEMPORARY CONCRETE BARRIERS AND IMPACT ATTENUATORS DURING DAYLIGHT HOURS. THE COST ASSOCIATED WITH THE STAGING INCLUDING ANY RELOCATION OF THE BARRIER AND ATTENUATORS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS PAY ITEMS INCLUDED IN THE PLANS.

SUGGESTED SEQUENCE OF CONSTRUCTION

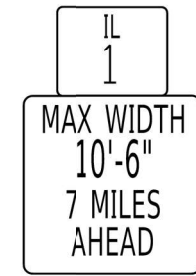
- PERFORM PAVED SHOULDER REMOVAL FROM STA. 643+80 TO STA. 652+00 LT.
- INSTALL HMA SHOULDERS 10" FROM STA. 643+80 TO STA. 652+00 LT.
- INSTALL TEMPORARY BRIDGE TRAFFIC SIGNALS AND ALL OTHER SIGNS PER STANDARD 701321 INCLUDING WIDTH RESTRICTION SIGNS.
- PLACE TEMPORARY CONCRETE BARRIER FROM STA. 645+28.3 TO STA. 649+67.1 AS SHOWN BELOW.
- PERFORM WORK FOR STAGE I CONSTRUCTION INCLUDING INSTALLATION OF NEW THREE SPAN STRUCTURE, HMA SHOULDERS, GUARDRAIL, APPROACH SLAB, PAVEMENT CONNECTOR, TEMPORARY RAMPS, AND EARTHWORK.
- TEMPORARY RAMPS SHALL BE INSTALLED FROM STA. 646+19 TO STA. 646+37 LT. & STA. 648+53 TO STA. 648+76 LT. DURING STAGE I CONSTRUCTION.
- RELOCATE TEMPORARY CONCRETE BARRIER FROM STA. 646+28 TO STA. 649+67 AS SHOWN ON STAGE II CONSTRUCTION SHEET.
- PERFORM WORK FOR STAGE II CONSTRUCTION INCLUDING INSTALLING THE REMAINDER OF THREE SPAN STRUCTURE, APPROACH SLAB, PAVEMENT CONNECTOR, HMA SHOULDERS, GUARDRAIL, AND EARTHWORK.
- REMOVE TEMPORARY CONCRETE BARRIER AND PERFORM HOT-MIX ASPHALT SURFACE REMOVAL (EUIT JOINT) ON SURFACE AND SHOULDERS PER STANDARD 701306.
- INSTALL HOT-MIX ASPHALT BINDER AND SURFACE COURSE TO PROPOSED GRADE AS SHOWN ON THE PLANS.
- INSTALL STRIPING PER PAVEMENT MARKING PLAN.



WIDTH RESTRICTION SIGN

W12-1103 48" X 48" WITH XX' XX" LETTERS BLACK ON ORANGE MAX WIDTH & 3 MILES AHEAD BLACK ON WHITE WITH M3-1 30X15 AND M1-1100 30X24

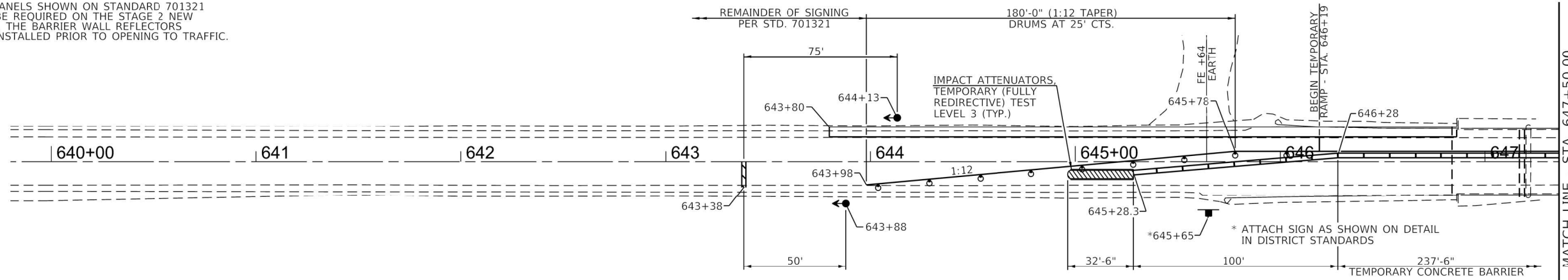
LOCATED NORTH OF THE INTERSECTION OF IL 1 AND IL 13 EAST OF EQUALITY



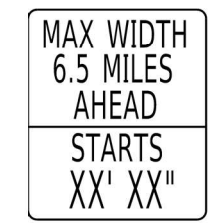
WIDTH RESTRICTION SIGN

W12-1103 48" X 48" WITH XX' XX" LETTERS BLACK ON ORANGE MAX WIDTH & 2 MILES AHEAD BLACK ON WHITE WITH M3-1 30X15 AND M1-1100 30X24

LOCATED NORTH OF THE INTERSECTION OF IL 141 AND IL 1 NORTH OF OMAHA

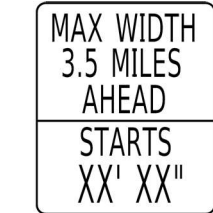


STAGE I PLAN



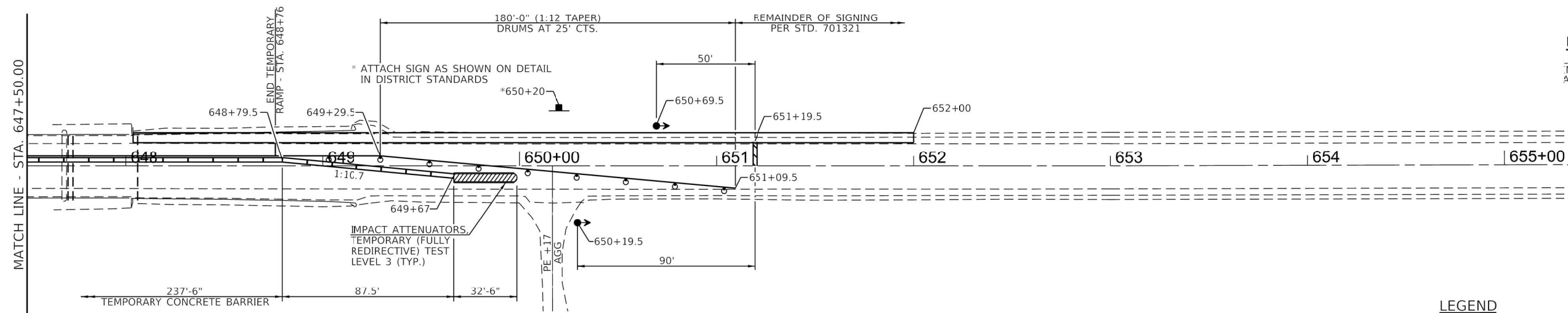
MESSAGE BOARD

LOCATED SOUTH OF THE INTERSECTION OF IL 1 AND IL 141 NORTH OF OMAHA



MESSAGE BOARD

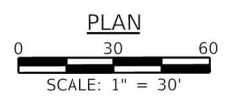
LOCATED SOUTH OF THE INTERSECTION OF IL 1 AND IL 13 EAST OF EQUALITY



STAGE I PLAN

LEGEND

- TYPE III BARRICADE
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE) TEST LEVEL 3 (TYP.)
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3 (TYP.)
- TEMPORARY CONCRETE BARRIER
- TEMPORARY TRAFFIC SIGNAL



MODEL: Stage1 FILE NAME: \\pwr\fs1\pwr\share\05200595-IL_DOT_Div\ch1_90595-001-0006-IL_1_Crawford_Ph1_Galena_Co\CADD\CADD Sheets\07147-ah-staging.dgn

USER NAME = ckhonus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 60.000' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE I	
SCALE: 1" = 30'	SHEET ___ OF ___ SHEETS
STA. _____	TO STA. _____

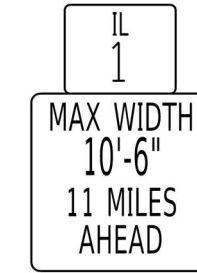
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	18
CONTRACT NO. 78147				
ILLINOIS / FED. AID PROJECT				

GENERAL NOTES

- TRAFFIC CONTROL SHALL BE ERECTED AS SHOWN ACCORDING TO "TRAFFIC CONTROL & PROTECTION, STANDARD 701321.
- SEE SPECIAL PROVISIONS FOR ADDITIONAL TRAFFIC CONTROL REQUIREMENTS.
- LOCATION OF TEMPORARY BRIDGE SIGNALS SHALL BE COORDINATED AND PLACED AS DIRECTED BY THE ENGINEER.
- ADDITIONAL SIGNAGE FOR ENTRANCES AND ADVANCE WIDTH RESTRICTION WARNING SHALL BE INCLUDED IN THE COST OF STANDARD 701321.
- SEE STD 701321 FOR COMPLETION OF STAGE CONSTRUCTION SIGNING AND ADVANCE DETECTOR LOOP PLACEMENT NOT SHOWN.
- THE ADVANCE DETECTOR LOOPS ARE TYPICALLY LOCATED 275 FEET IN ADVANCE OF THE STOP BAR. THE BUREAU OF OPERATIONS SHALL APPROVE THE LOOP LOCATIONS PRIOR TO INSTALLATION.
- THE CENTERLINE PAVEMENT MARKING SHALL BE REMOVED FROM THE STOP BAR TO THE SAND ATTENUATORS OR DRUMS. EDGE LINE PAVEMENT MARKING SHALL BE REMOVED IF A 10 FOOT LANE WIDTH CANNOT BE MAINTAINED. TEMPORARY EDGE LINES SHALL BE INSTALLED WHEN THE EDGE LINES ARE REMOVED.
- VERTICAL PANELS SHOWN ON STANDARD 701321 WILL NOT BE REQUIRED ON THE STAGE 2 NEW CO-10 RAIL. THE BARRIER WALL REFLECTORS SHALL BE INSTALLED PRIOR TO OPENING TO TRAFFIC.
- ANY TIME THE CONCRETE BARRIER IS NOT IN THE PROPER POSITION, FLAGGERS SHALL BE IN PLACE TO CONTROL TRAFFIC AND THE TEMPORARY TRAFFIC SIGNALS SHALL BE TURNED OFF OR COVERED.
- ALL TRAFFIC SIGNALS SHOWN ARE INCLUDED IN TEMPORARY BRIDGE TRAFFIC SIGNALS - 1 EACH.
- THE COST OF THE TEMPORARY PAVEMENT MARKING AND ITS REMOVAL WILL BE INCLUDED IN THE COST OF STANDARD 701321.
- INSTALL TEMPORARY RAMP AS SHOWN ON STAGE I PLAN SHEET AT A TRANSITION RATE OF 40:1. THE TOP WIDTH OF THE TEMPORARY RAMP SHALL EXTEND 1 FOOT BEYOND THE BACK OF STAGE II TEMPORARY CONCRETE BARRIER TAPERING AT 1:1 TO THE EXISTING PAVEMENT. INSTALL TEMPORARY TRAFFIC BARRIERS AS SHOWN ON STAGING SHEETS. PLACEMENT OF THE TEMPORARY RAMP AS INDICATED MAY REQUIRE RELOCATION OF THE TEMPORARY CONCRETE BARRIERS AND IMPACT ATTENUATORS DURING DAYLIGHT HOURS. THE COST ASSOCIATED WITH THE STAGING INCLUDING ANY RELOCATION OF THE BARRIER AND ATTENUATORS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS PAY ITEMS INCLUDED IN THE PLANS.

SUGGESTED SEQUENCE OF CONSTRUCTION

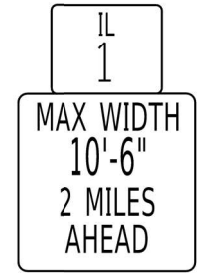
- PERFORM PAVED SHOULDER REMOVAL FROM STA. 643+80 TO STA. 652+00 LT.
- INSTALL HMA SHOULDERS 10" FROM STA. 643+80 TO STA. 652+00 LT.
- INSTALL TEMPORARY BRIDGE TRAFFIC SIGNALS AND ALL OTHER SIGNS PER STANDARD 701321 INCLUDING WIDTH RESTRICTION SIGNS.
- PLACE TEMPORARY CONCRETE BARRIER FROM STA. 645+28.3 TO STA. 649+67.1 AS SHOWN BELOW.
- PERFORM WORK FOR STAGE I CONSTRUCTION INCLUDING INSTALLATION OF NEW THREE SPAN STRUCTURE, APPROACH SLAB, PAVEMENT CONNECTOR HMA SHOULDERS, GUARDRAIL, TEMPORARY RAMPS AND EARTHWORK.
- TEMPORARY RAMPS SHALL BE INSTALLED FROM STA. 646+19 TO STA. 646+37 LT. & STA. 648+53 TO STA. 648+76 LT. DURING STAGE I CONSTRUCTION.
- RELOCATE TEMPORARY CONCRETE BARRIER FROM STA. 646+28 TO STA. 649+67 AS SHOWN ON STAGE II CONSTRUCTION SHEET.
- PERFORM WORK FOR STAGE II CONSTRUCTION INCLUDING INSTALLING THE REMAINDER OF THREE SPAN STRUCTURE, APPROACH SLAB, PAVEMENT CONNECTOR, HMA SHOULDERS, GUARDRAIL AND EARTHWORK.
- REMOVE TEMPORARY CONCRETE BARRIER AND PERFORM HOT-MIX ASPHALT SURFACE REMOVAL (BUTT JOINT) ON SURFACE AND SHOULDERS PER STANDARD 701306.
- INSTALL HOT-MIX ASPHALT BINDER AND SURFACE COURSE TO PROPOSED GRADE AS SHOWN ON THE PLANS.
- INSTALL STRIPING PER PAVEMENT MARKING PLAN.



WIDTH RESTRICTION SIGN

W12-1103 48" X 48" WITH XX' XX" LETTERS BLACK ON ORANGE MAX WIDTH & 3 MILES AHEAD BLACK ON WHITE WITH M3-1 30X15 AND M1-1100 30X24

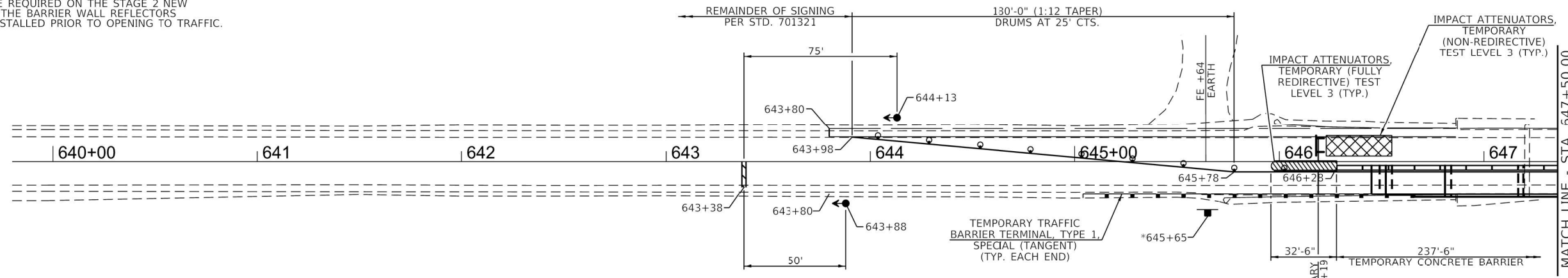
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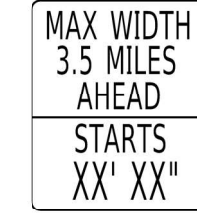
WIDTH RESTRICTION SIGN

W12-1103 48" X 48" WITH XX' XX" LETTERS BLACK ON ORANGE MAX WIDTH & 2 MILES AHEAD BLACK ON WHITE WITH M3-1 30X15 AND M1-1100 30X24

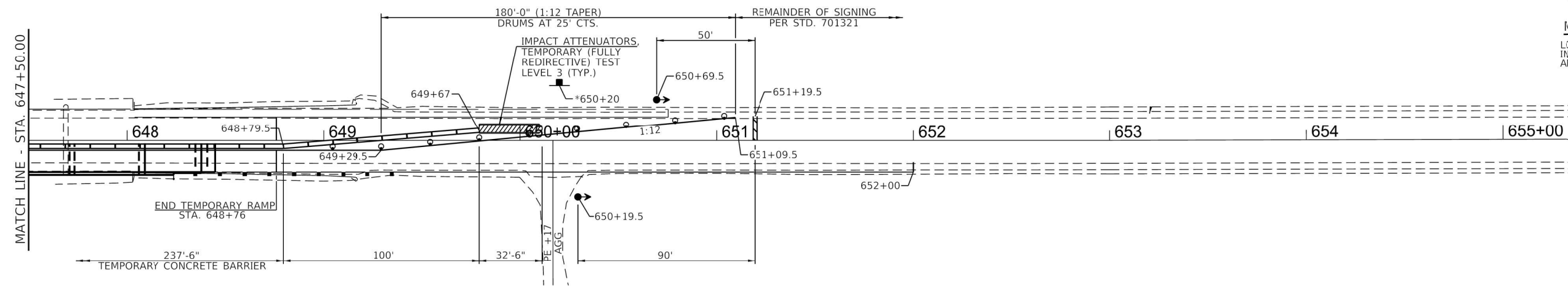
LOCATED NORTH OF THE INTERSECTION OF IL 141 AND IL 1 NORTH OF OMAHA



MESSAGE BOARD
LOCATED SOUTH OF THE INTERSECTION OF IL 1 AND IL 141 NORTH OF OMAHA

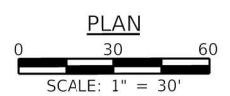


MESSAGE BOARD
LOCATED SOUTH OF THE INTERSECTION OF IL 1 AND IL 13 EAST OF EQUALITY



LEGEND

- TYPE III BARRICADE
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE) TEST LEVEL 3 (TYP.)
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 3 (TYP.)
- TEMPORARY CONCRETE BARRIER
- TEMPORARY TRAFFIC SIGNAL



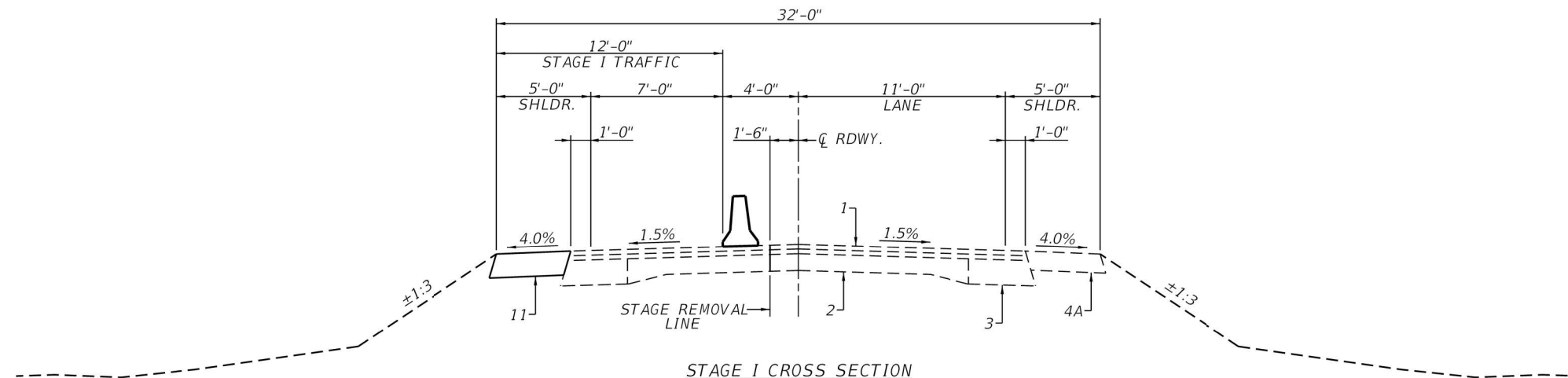
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE II
SCALE: 1" = 30'
SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

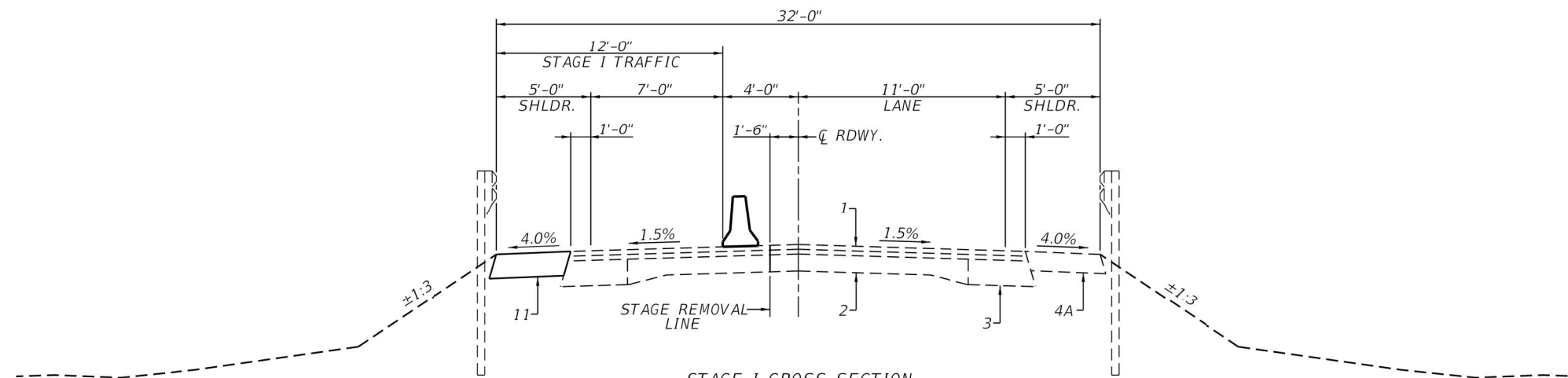
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	63	19
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

MODEL: Stage II
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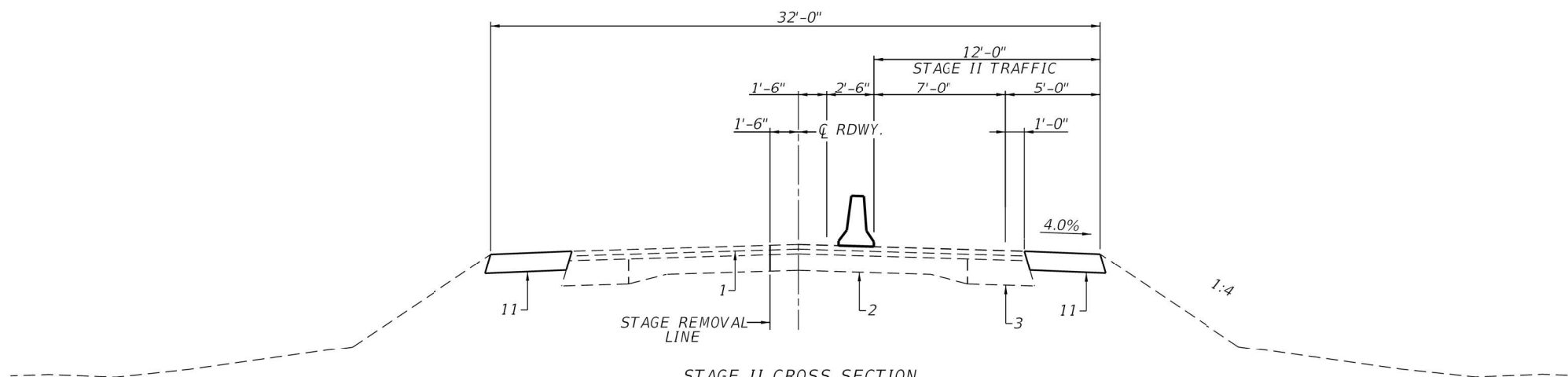
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	DRAWN - _____	REVISED - _____
PLOT SCALE = 60.128" / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/7/2025	DATE - _____	REVISED - _____



STAGE I CROSS SECTION
 (STA. 643+80 TO STA. 645+73 RT., STA. 643+80 TO STA. 645+98 LT.,
 & STA. 649+17 TO STA. 652+00 LT. & RT.)



STAGE I CROSS SECTION
 (STA. 645+73 TO STA. 646+19 RT., STA. 645+98 TO STA. 646+19 LT.,
 & STA. 648+76 TO STA. 649+17)



STAGE II CROSS SECTION
 (STA. 643+80 TO STA. 645+04.1 & STA. 649+35.9 TO STA. 652+00 RT.,
 STA. 643+80 TO STA. 645+79.1 & STA. 649+85.9 TO STA. 652+00 LT.)

- PAVEMENT LEGEND**
- 1 - EX HMA OVERLAYS
 - 2 - EX PCC CONCRETE
 - 3 - EX PCC WIDENING 9"
 - 4 - EX AGG. SHOULDER
 - 4A- EX HMA SHOULDER
 - 5 - PROP HMA SURFACE CSE
 - 6 - PROP HMA BINDER CSE
 - 7 - PROP HMA SHOULDER 8"
 - 8 - PROP GUARDRAIL
 - 9 - PROP PAINT PAVT MKING - LINE 4"
 - 10 - PROP EARTH SHOULDER
 - 11 - PROP HMA SHOULDER 10"
 - 12 - PROP APPROACH SLAB
 - 13 - PROP EARTH SHOULDER
 - 14 - PROP TEMPORARY GUARDRAIL

MODEL: Default
 FILE NAME: \\usprc61\usprhare\05000595-IL DOT District 9\0595-0001-0006-IL-1_Corridor_Ph1_Galton_ColCADD\CADD Sheets\978147-sh-t-staging typical.dgn

VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckohlrus	DESIGNED - _____	REVISED - _____
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PLOT DATE = 1/17/2025	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

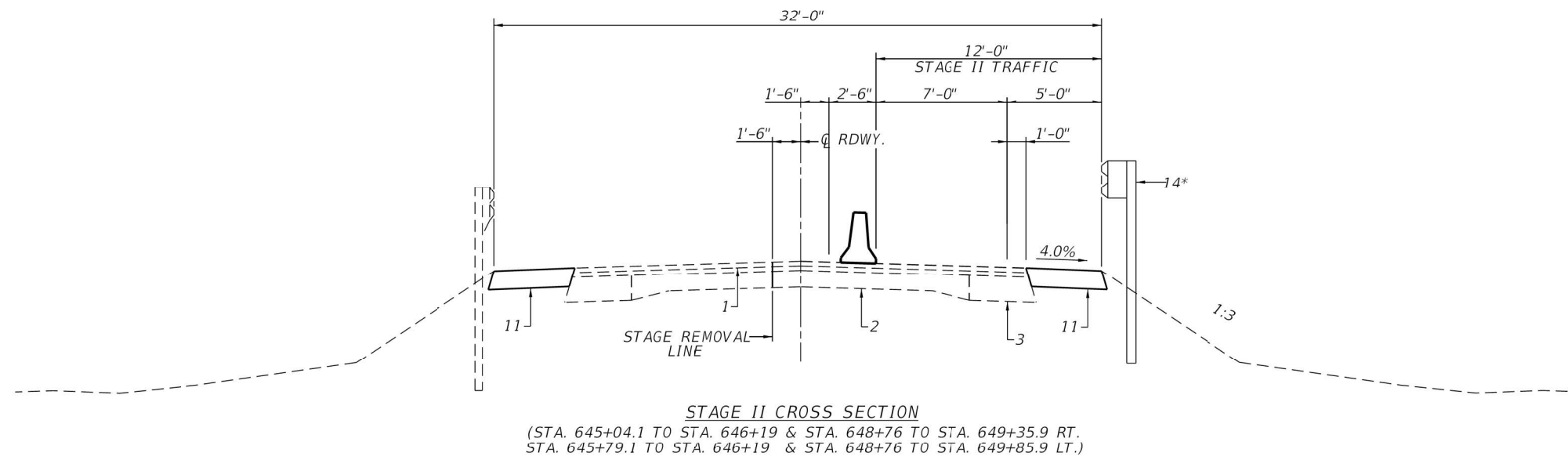
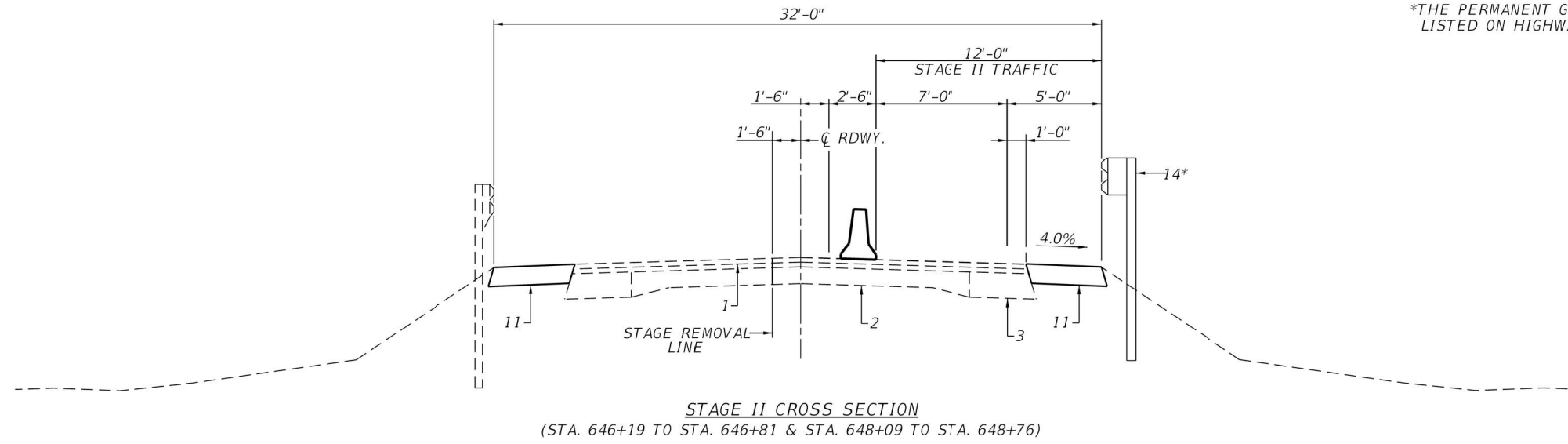
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGING TYPICAL ROADWAY SECTIONS

SCALE: 1" = 4' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	20
			CONTRACT NO. 78147	
ILLINOIS FED. AID PROJECT				

*THE PERMANENT GUARDRAIL SHALL BE INSTALLED AT THE PROPER HEIGHT REQUIREMENTS LISTED ON HIGHWAY STANDARD 630001 AFTER THE SURFACE COURSE HAS BEEN PLACED.



- PAVEMENT LEGEND**
- 1 - EX HMA OVERLAYS
 - 2 - EX PCC CONCRETE
 - 3 - EX PCC WIDENING 9"
 - 4 - EX AGG. SHOULDER
 - 4A- EX HMA SHOULDER
 - 5 - PROP HMA SURFACE CSE
 - 6 - PROP HMA BINDER CSE
 - 7 - PROP HMA SHOULDER 6"
 - 8 - PROP GUARDRAIL
 - 9 - PROP PAINT PAVT MKNG - LINE 4"
 - 10 - PROP EARTH SHOULDER
 - 11 - PROP HMA SHOULDER 10"
 - 12 - PROP APPROACH SLAB
 - 13 - PROP EARTH SHOULDER
 - 14 - PROP TEMPORARY GUARDRAIL

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VK VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

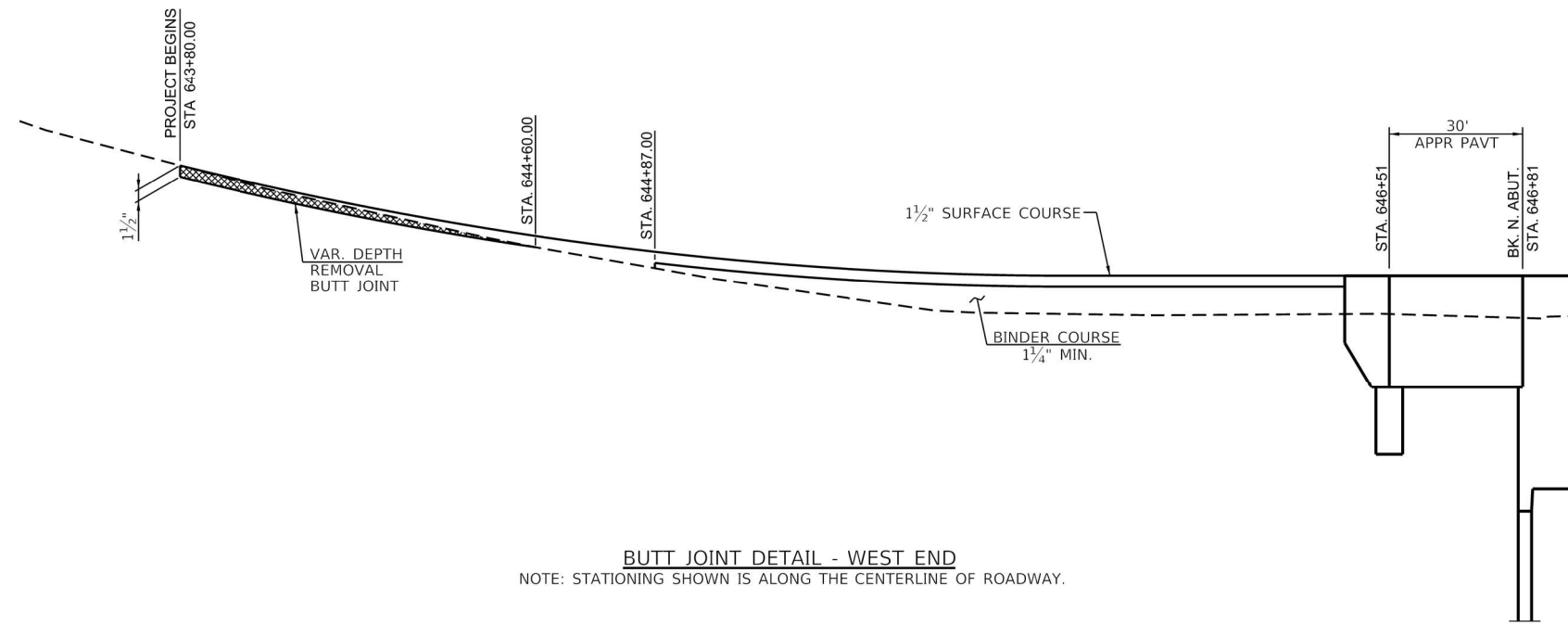
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PLOT DATE = 1/17/2025	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

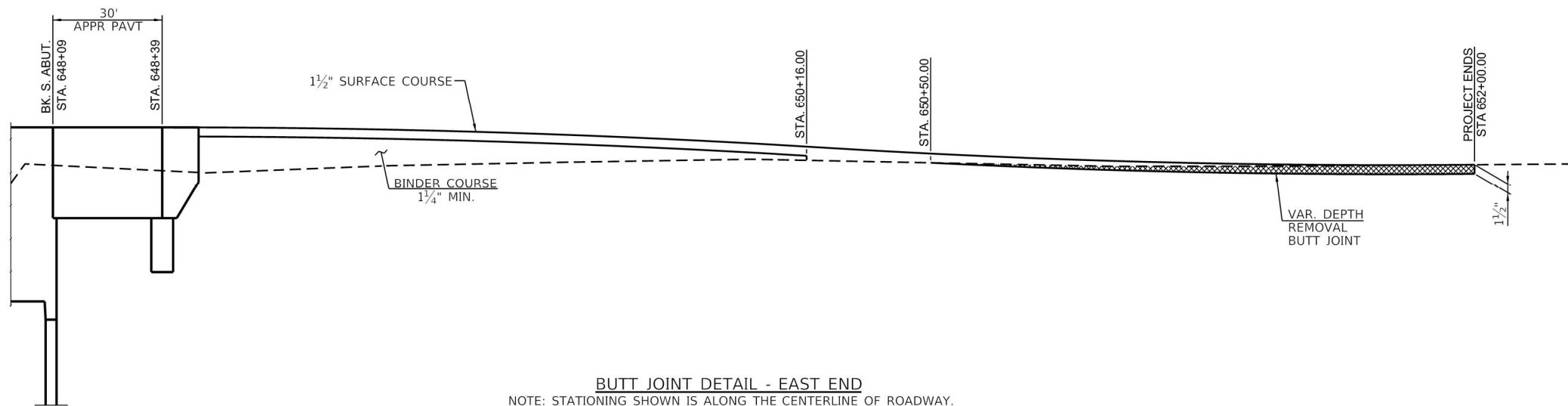
STAGING TYPICAL ROADWAY SECTIONS

SCALE: 1" = 4' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	21
			CONTRACT NO. 78147	
ILLINOIS FED. AID PROJECT				



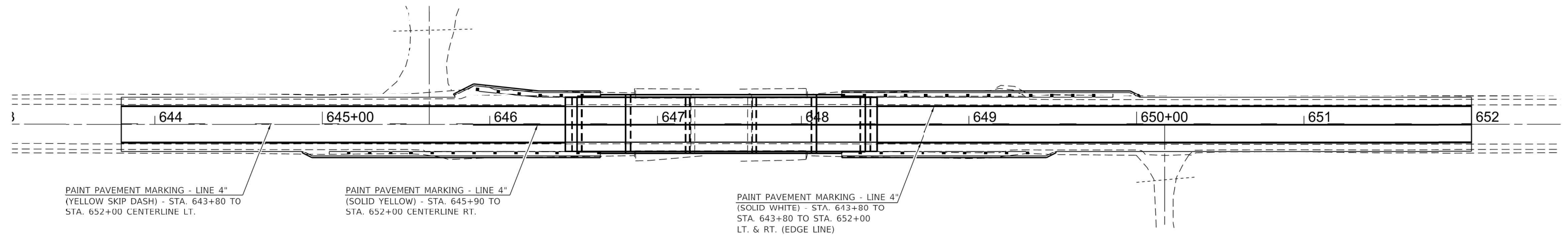
BUTT JOINT DETAIL - WEST END
 NOTE: STATIONING SHOWN IS ALONG THE CENTERLINE OF ROADWAY.



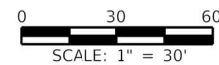
BUTT JOINT DETAIL - EAST END
 NOTE: STATIONING SHOWN IS ALONG THE CENTERLINE OF ROADWAY.

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	III(B-1)	GALLATIN	62	22
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				



PLAN



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

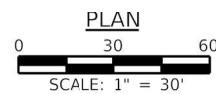
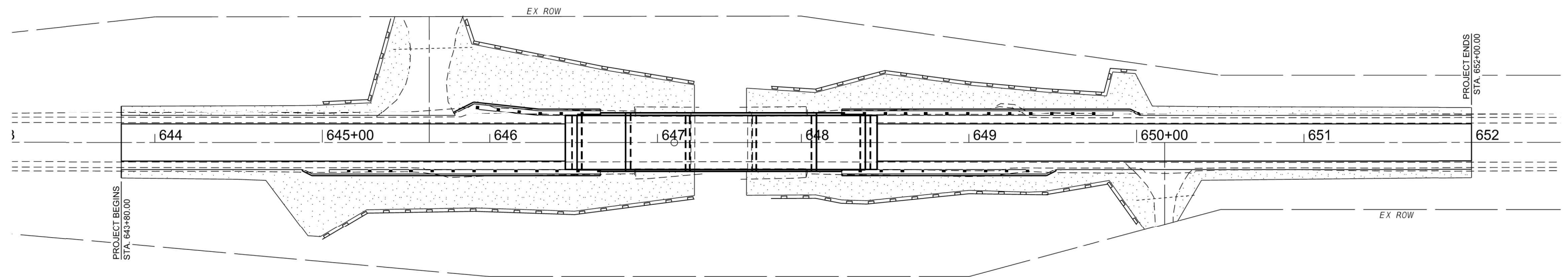
SCALE: 1" = 30' SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	23
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

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VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckohlrus	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 60.000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 1/17/2025	DATE - _____	REVISED - _____



- LEGEND**
- SEEDING, CLASS 2 & 7, TEMPORARY CONTROL SEEDING & MULCH
 - PERIMETER EROSION BARRIER

MODEL: Default
 FILE NAME: \\sprf61\unshare\05000595-IL DOT District 9\0595-0001-0006-IL-1_Chauford_Ph1_Galston_ColCADD\CADD Sheets\978147-sh1-eros.dgn

VK VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = ckohlrus	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISOR - _____	REVISOR - _____
PLOT SCALE = 60.000' / in.	CHECKED - _____	REVISOR - _____
PLOT DATE = 1/17/2025	DATE - _____	REVISOR - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN

SCALE: 1" = 30' SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	24
			CONTRACT NO. 78147	
ILLINOIS FED. AID PROJECT				

Benchmark CW8A : Chiseled "□" in Southwest Corner of Wingwall on SN 030-0019
Sta. 648+03.29' Elev. 367.529

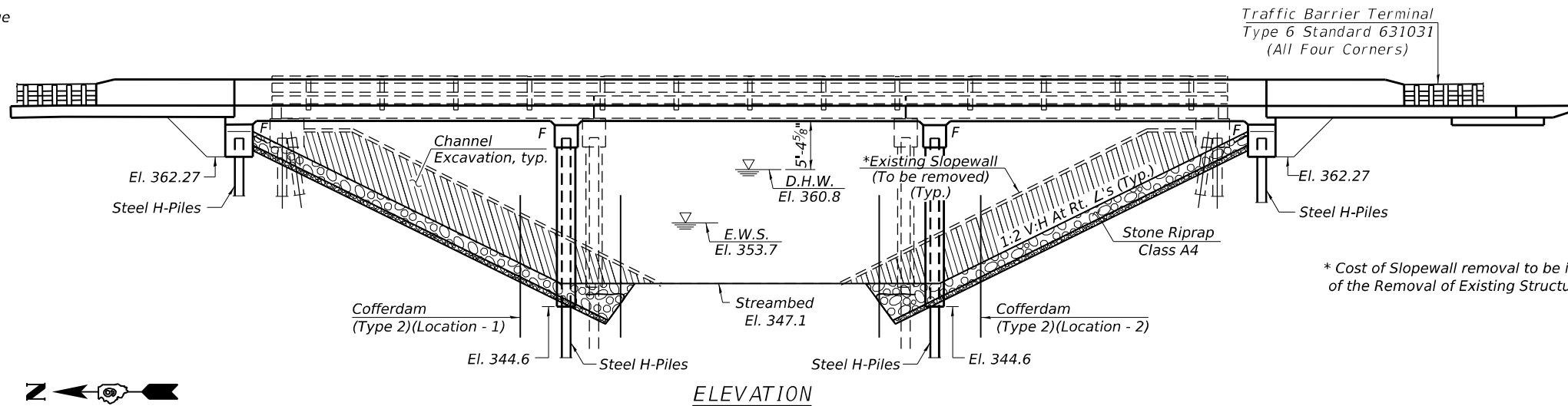
Existing Structure: S.N 030-0019 was originally constructed in 1929 as part of S.B.I. Rt. 140, Section 111B, and reconstructed in 1978 as part of S.B.I. Rt. 140, Section 111B-2. The existing structure is a three-span PPC deck beam superstructure on open reinforced concrete pile supported abutments and reinforced concrete pile supported solid wall piers. The existing structure has a clear width of 31'-0" and the out-to-out width of 33'-0". The back-to-back of abutment length is 104'-2" on a 0° skew.

The structure will be replaced utilizing stage construction.

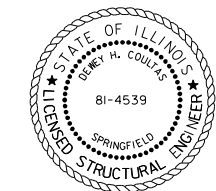
No Salvage

INDEX OF SHEETS

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

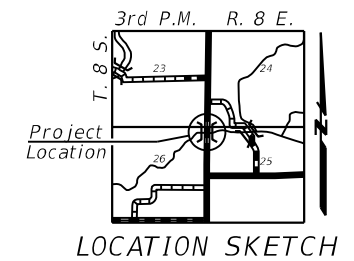
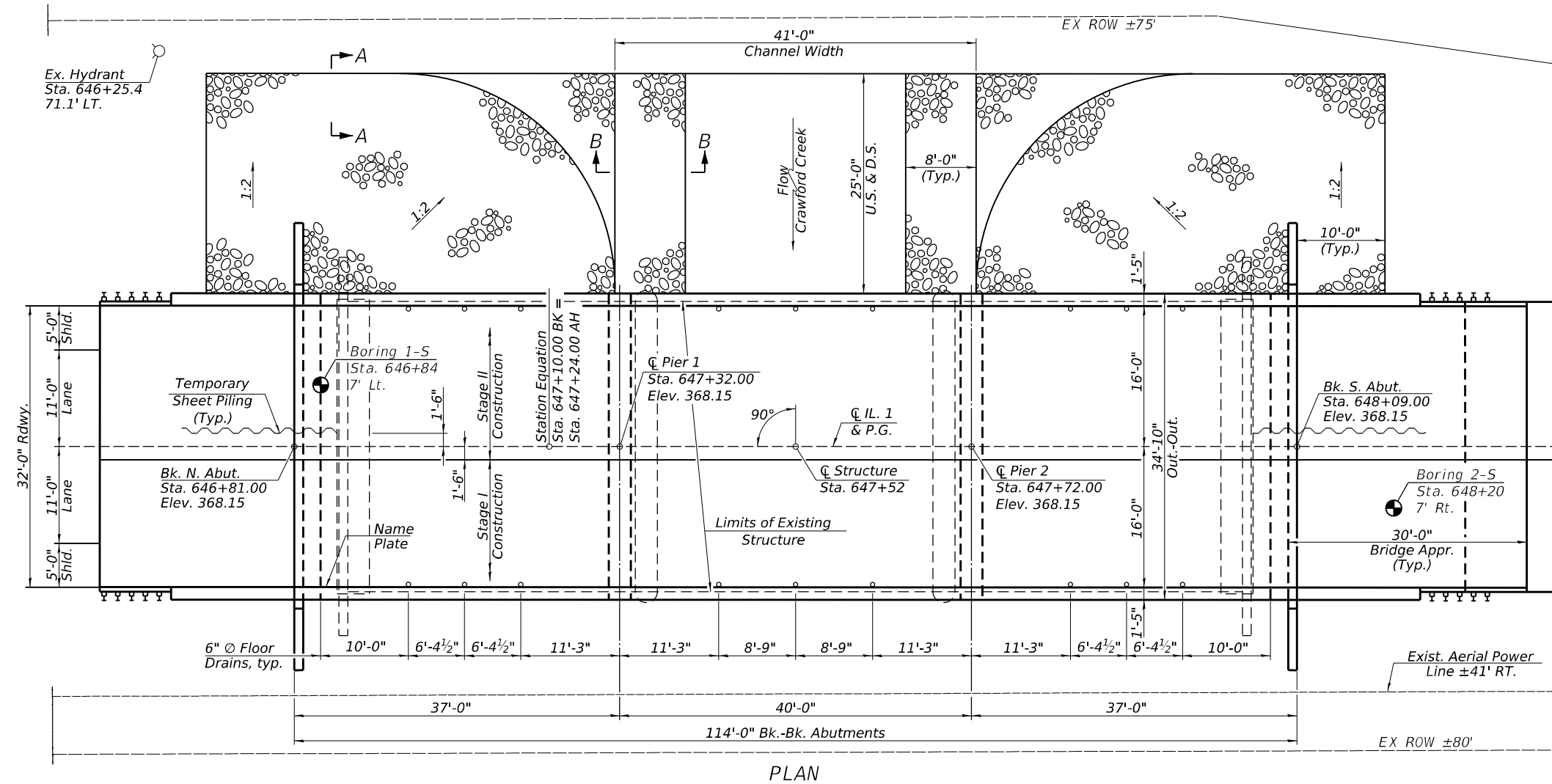


* Cost of Slope wall removal to be included in the cost of the Removal of Existing Structures



Drewry H. Coultas 1-20-2025
Expiration Date 11/30/2026

APPROVED
For Structural Adequacy Only
Jan F. Schilt
Engineer of Bridges & Structures



GENERAL PLAN & ELEVATION
IL-1 OVER CRAWFORD CREEK
F.A.P. ROUTE 782 - SECTION 111(B-1)
GALLATIN COUNTY
STATION 647+52.00
STRUCTURE NO. 030-0025

MODEL: 78147-025
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VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME =	DESIGNED - KES	REVISED -
PLOT SCALE =	CHECKED - DHC	REVISED -
PLOT DATE = FEBRUARY 19th, 2025	DRAWN - VVR	REVISED -
	CHECKED - DHC	REVISED -

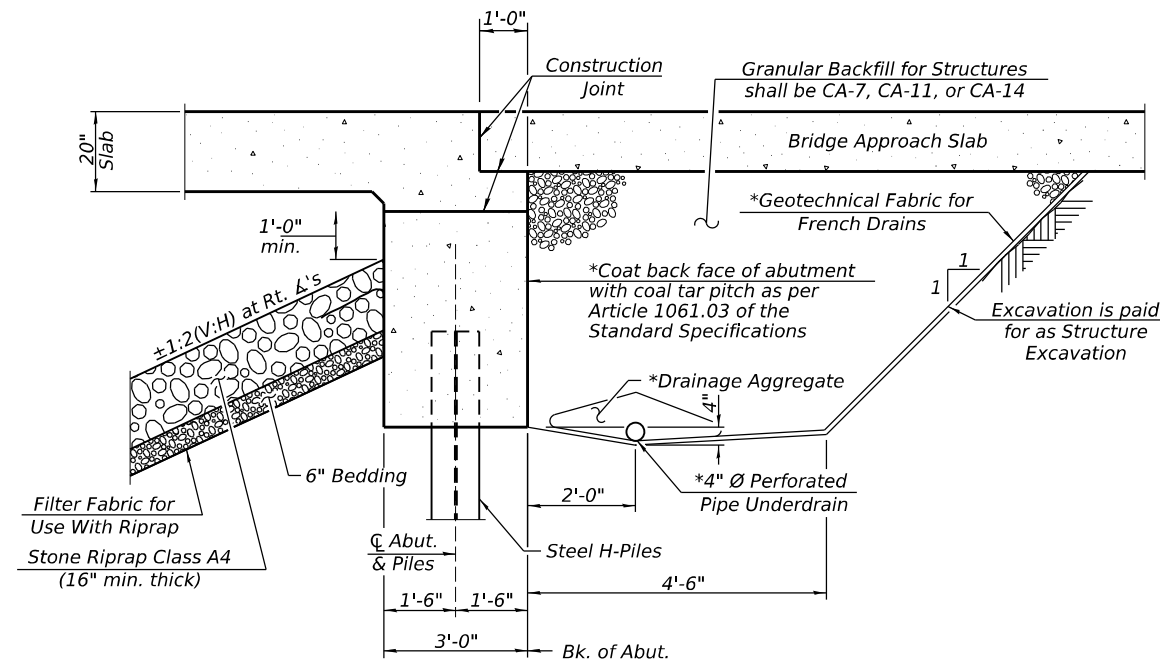
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN & ELEVATION
STRUCTURE NO. 030 - 0025
SHEET 1 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	25
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		1050	1050
Filter Fabric	Sq. Yd.		1050	1050
Removal of Existing Structures	Each	1		1
Structure Excavation	Cu. Yd.		188	188
Cofferdam Excavation	Cu. Yd.		212	212
Cofferdam (Type 2)(Location - 1)	Each		1	1
Cofferdam (Type 2)(Location - 2)	Each		1	1
Floor Drains	Each	18		18
Concrete Structures	Cu. yd.		201.0	201.0
Concrete Superstructure	Cu. Yd.	285.2		285.2
Bridge Deck Grooving	Sq. Yd.	574		574
Protective Coat	Sq. Yd.	747		747
Concrete Superstructure (Approach Slab)	Cu. Yd.	94.8		94.8
Reinforcement Bars Epoxy Coated	Pound	125,070	15,550	144,620
Bar Splicers	Each	584	204	788
Furnishing Steel Piles HP14x117	Foot		1876	1876
Driving Piles	Foot		1876	1876
Test Pile Steel HP14x117	Each		4	4
Name Plates	Each		1	1
Temporary Sheet Piling	Sq. Ft.		796	796
Granular Backfill for Structures	Cu. Yd.		96	96
Pipe Underdrains for Structures 4"	Foot		128	128
Asbestos Bearing Pad Removal	Each	44		44



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

*Included in the cost of Pipe Underdrains for Structures.

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).

GENERAL NOTES

1. Reinforcement bars designated (E) shall be epoxy coated.
2. The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection. Forms for deck slab shall be removed prior to placement of bridge approach slab.
3. Slipforming of the parapets is not allowed.
4. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

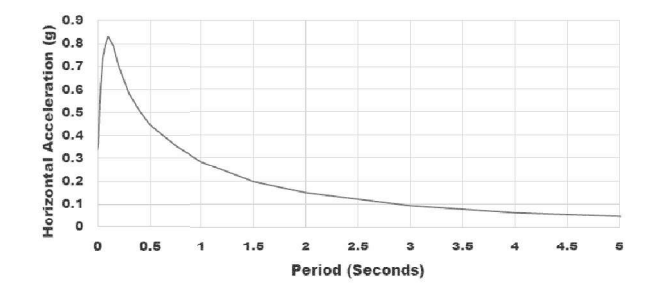
$f_c = 3,500$ psi (Substructure)
 $f_c = 4,000$ psi (Superstructure)
 $f_y = 60,000$ psi (Reinforcement)

LOADING HL-93

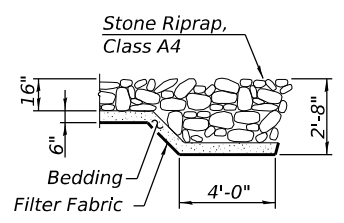
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

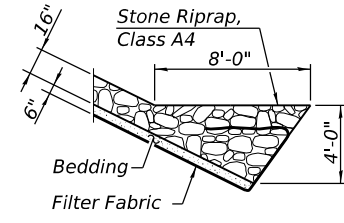
2023 AASHTO Seismic Hazard Site Class CD
 Latitude 37.8053, Longitude -88.2821
 Performance Level Operational



Vertical Acceleration = $\frac{2}{3}$ * Horizontal Acceleration
 $SD1 = 0.283$ g
 $SDS = 0.538$ g
 SDC B



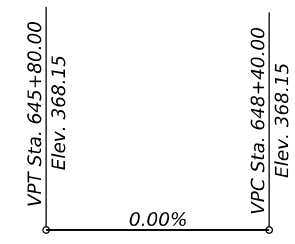
SECTION A-A



SECTION B-B

STATION 647+52.00
 BUILT 202_ BY
 STATE OF ILLINOIS
 F.A.P. RT. 782 SECTION 111(B-1)
 LOADING HL-93
 STRUCTURE NO. 030-0025

NAME PLATE
Std. 515001



PROFILE GRADE
(Along C.L.-1)

WATERWAY INFORMATION

Drainage Area = 14.4 Sq. Mi.		Exist. Overtopping Elev. = 367.5 @ Sta. 648+50 Prop. Overtopping Elev. = 367.6 @ Sta. 652+00							
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	2,360	433	525	359.3	0.6	0.4	359.9	359.7
Base	50	3,670	527	653	360.8	1.1	0.8	361.9	361.6
Scour Check	100	4,280	567	707	361.4	1.3	0.9	362.7	362.3
Max. Calc.	200	4,920	609	762	362.0	1.5	1.0	363.5	363.0
	500	5,810	681	857	363.0	1.8	1.2	364.8	364.2

10 Yr. Outlet Velocity through Exist. Structure = 5.5 ft/s
 10 Yr. Outlet Velocity through Prop. Structure = 4.5 ft/s

DESIGN SCOUR TABLE

Event/Limit State	Design Scour Elevations (ft.)				Item 113
	N. Abut.	Pier 1	Pier 2	S. Abut.	
Q100	361.2	338.1	339.2	361.2	5
Q200	361.2	336.3	337.3	361.2	
Design	361.2	338.1	339.2	361.2	
Check	361.2	336.3	337.3	361.2	

MODEL: 78147-026
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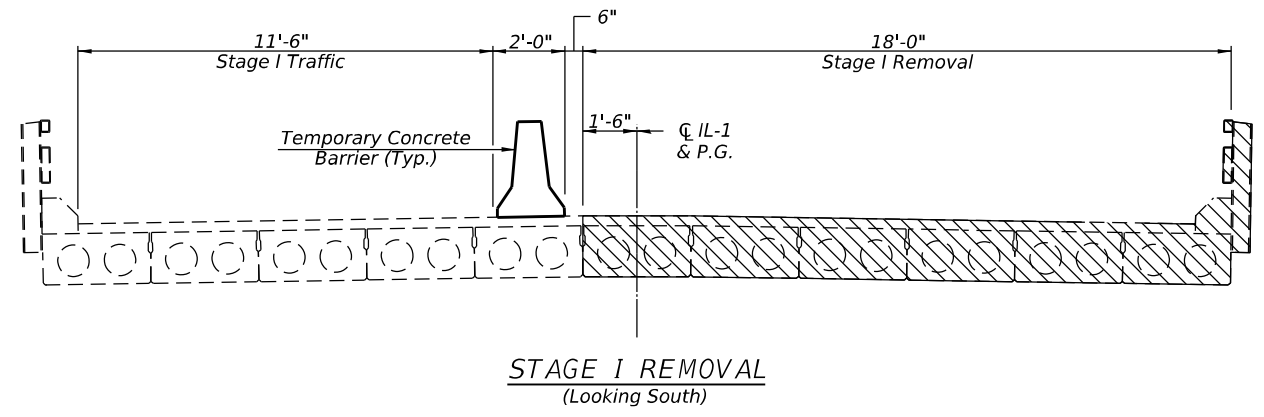
VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

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PLOT SCALE =	CHECKED - DHC	REVISED -
PLOT DATE = JANUARY 20th, 2025	DRAWN - VVR	REVISED -
	CHECKED - DHC	REVISED -

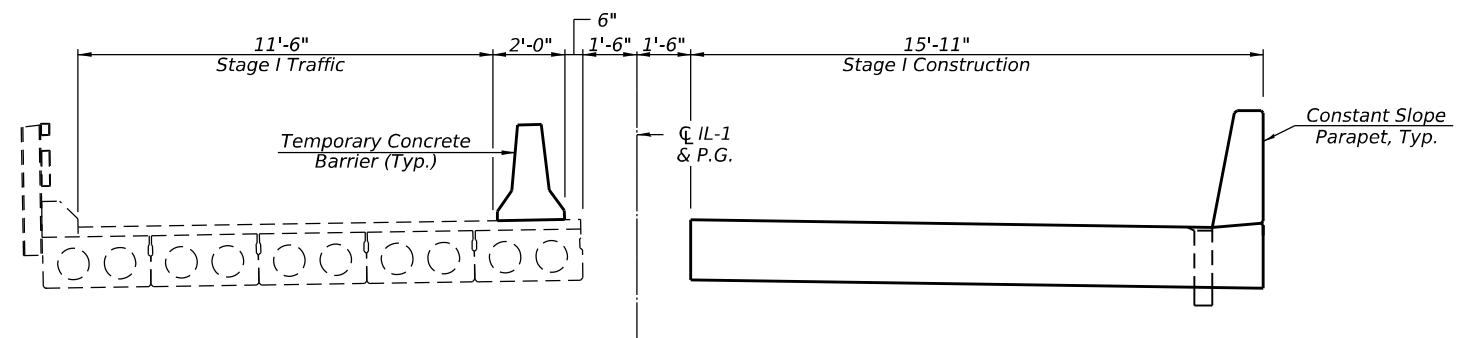
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 030 - 0025
 SHEET 2 OF 23 SHEETS

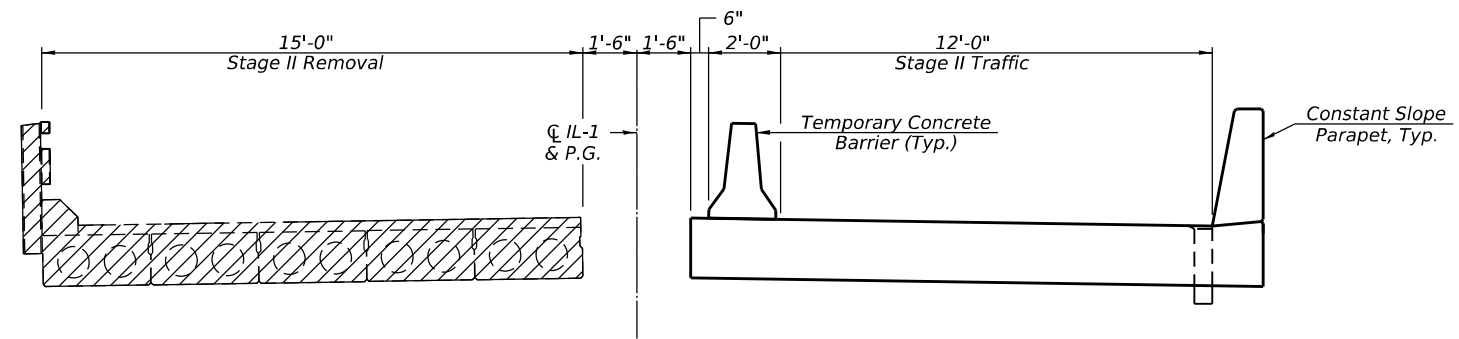
F.A.P. RTE. 782	SECTION 111(B-1)	COUNTY GALLATIN	TOTAL SHEETS 62	SHEET NO. 26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78147	



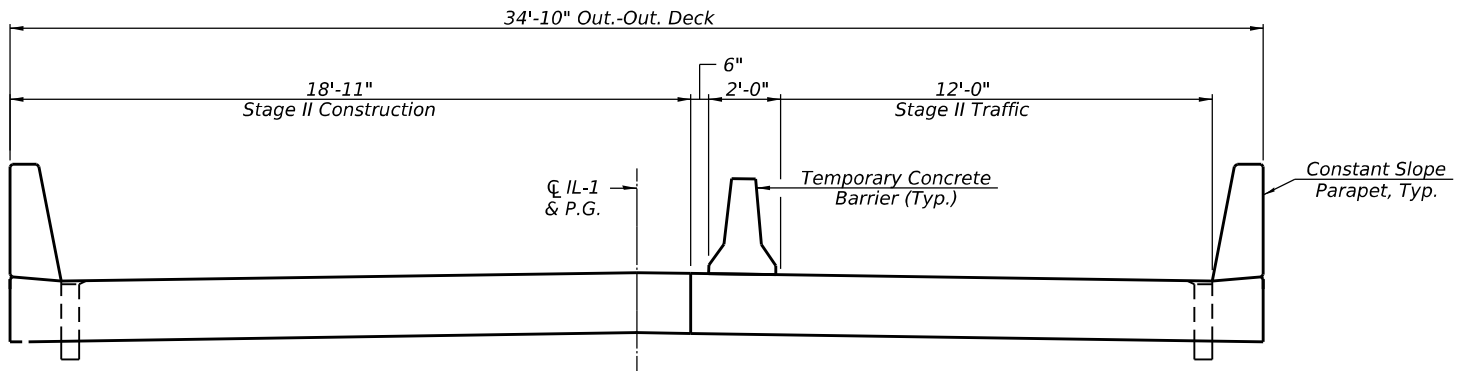
STAGE I REMOVAL
(Looking South)



STAGE I CONSTRUCTION
(Looking South)



STAGE II REMOVAL
(Looking South)



STAGE II CONSTRUCTION
(Looking South)

Notes:
Hatched area indicates Removal of Existing Structures.
For quantity of Temporary Concrete Barrier, see Roadway Plans. See Sheet 4 of 23 for details.

MODEL: 78147-027
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Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

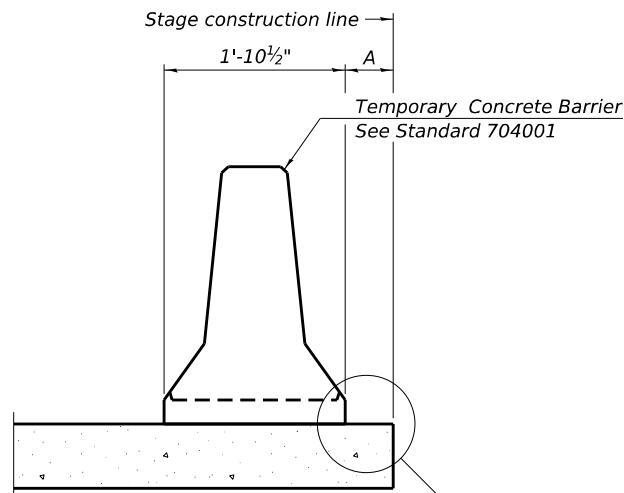
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PLOT DATE = JANUARY 20th, 2025	CHECKED - DHC	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 030 - 0025**

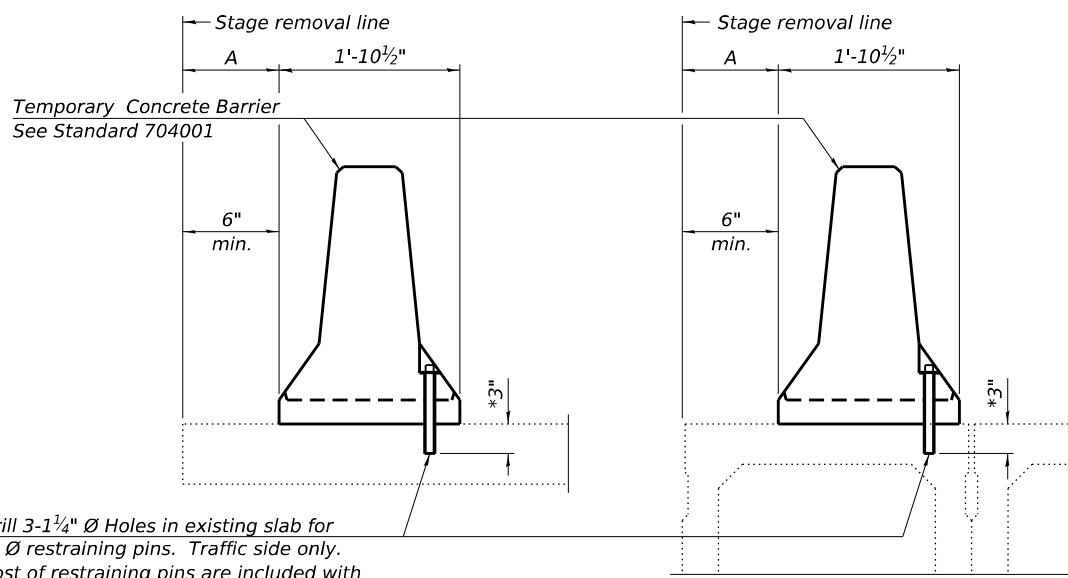
SHEET 3 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	27
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				



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



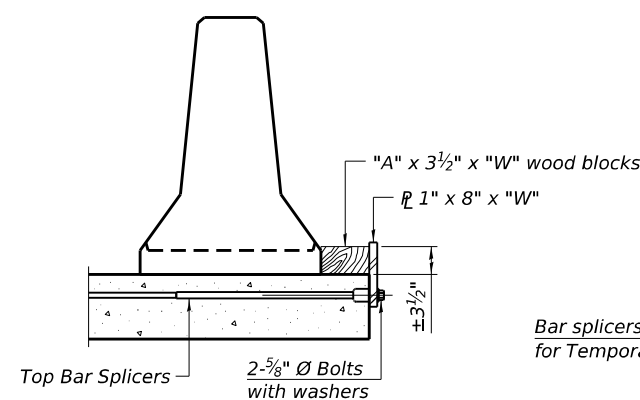
Drill 3-1 1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

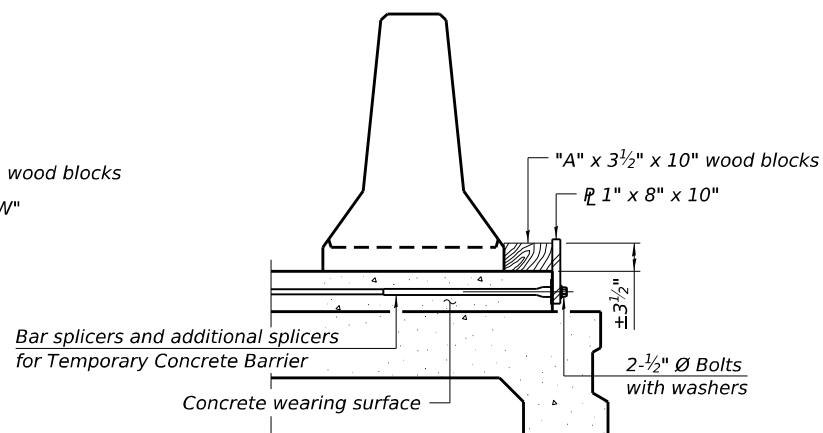
EXISTING DECK BEAM

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

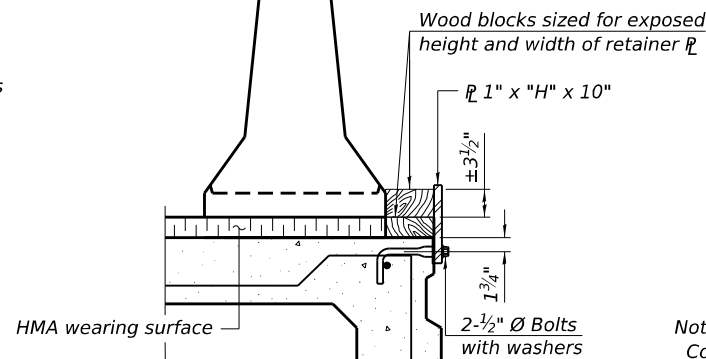
SECTIONS THRU SLAB OR DECK BEAM



DETAIL I



DETAIL II

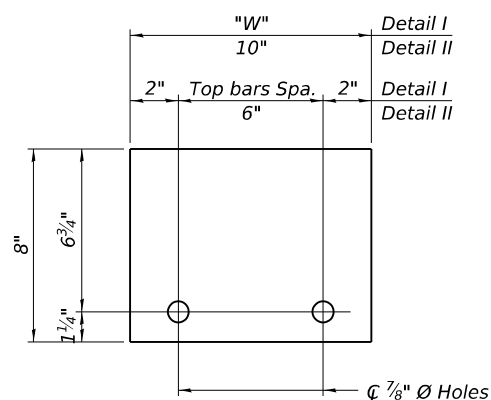


DETAIL III

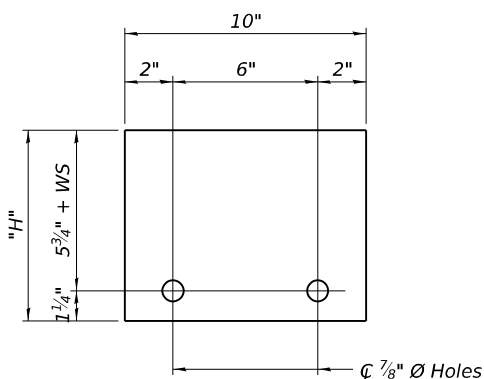
BAR SPICER FOR #4 BAR - DETAIL III

Notes:
 Cost of retainer assembly is included with Temporary Concrete Barrier.
 A retainer assembly shall be located at the approximate \bar{C} 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.



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



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

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

MODEL: 78147-028
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VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

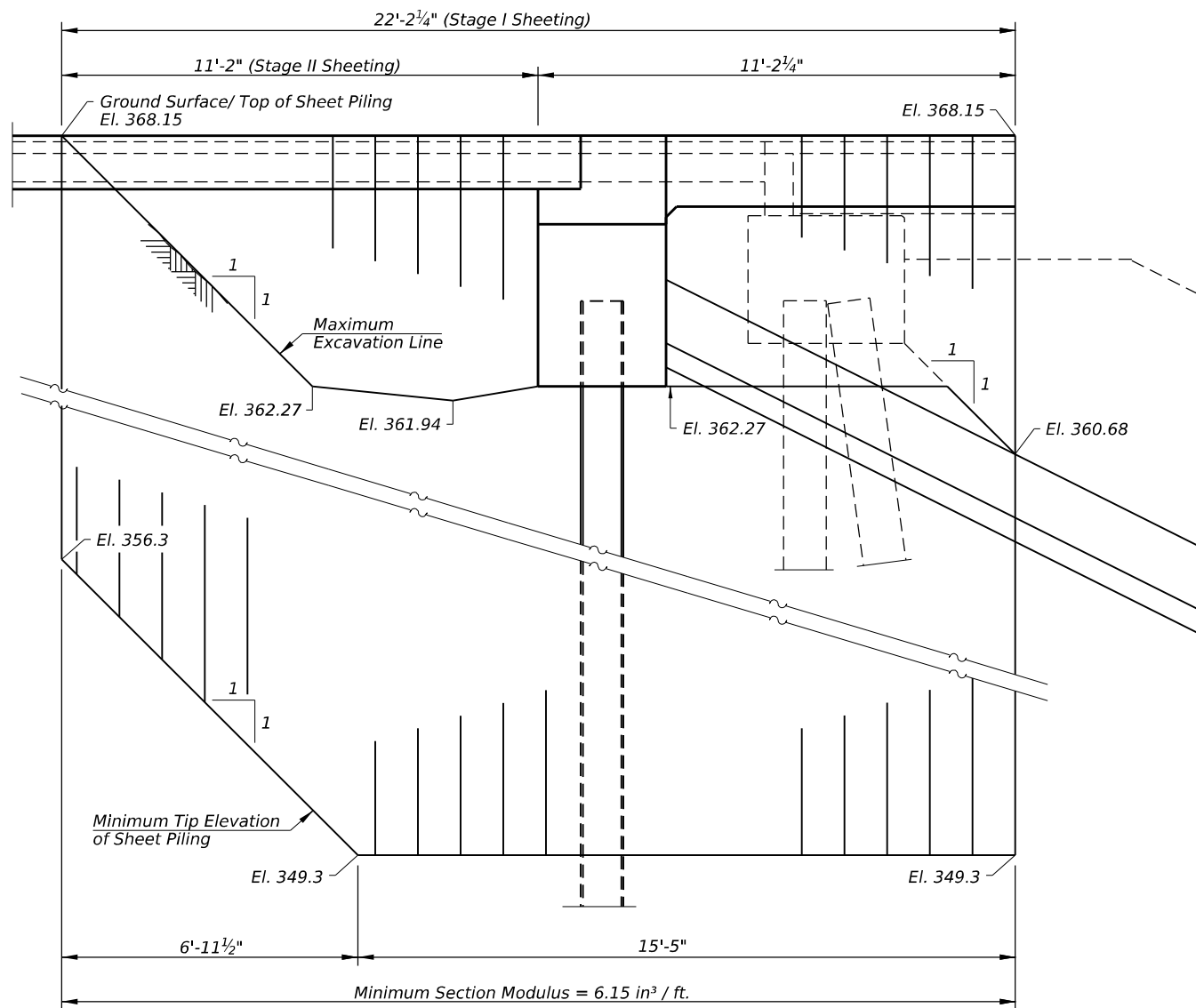
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

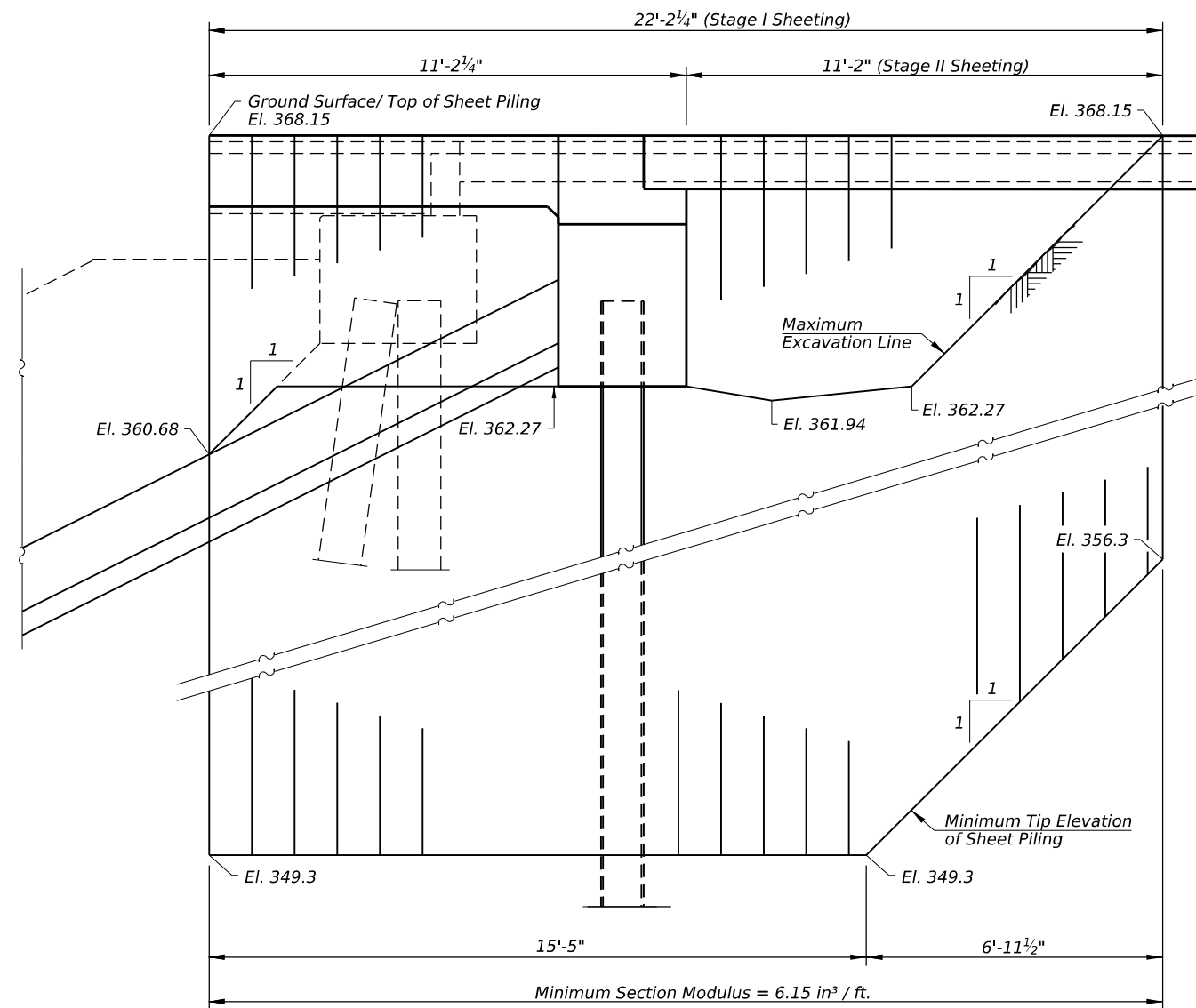
TEMPORARY CONCRETE BARRIER
 STRUCTURE NO. 030 - 0025

SHEET 4 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	28
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				



NORTH ABUTMENT TEMPORARY SHEET PILING



SOUTH ABUTMENT TEMPORARY SHEET PILING

Notes:
 If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Temporary Sheet Piling	Sq. Ft.	796

MODEL: 78147-029
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 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

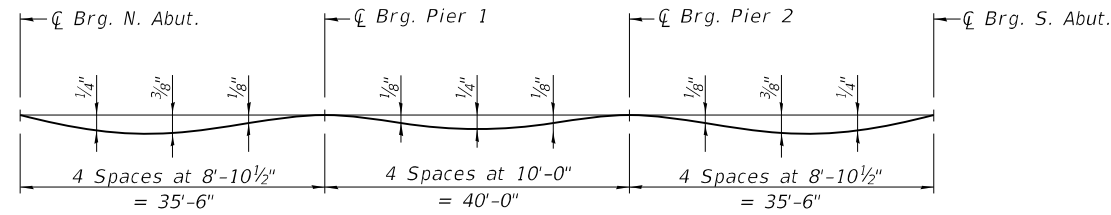
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PLOT SCALE =	DRAWN - VVR	REVISED -
PLOT DATE = JANUARY 20th, 2025	CHECKED - DHC	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SHEET PILING
 STRUCTURE NO. 030 - 0025**

SHEET 5 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	29
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

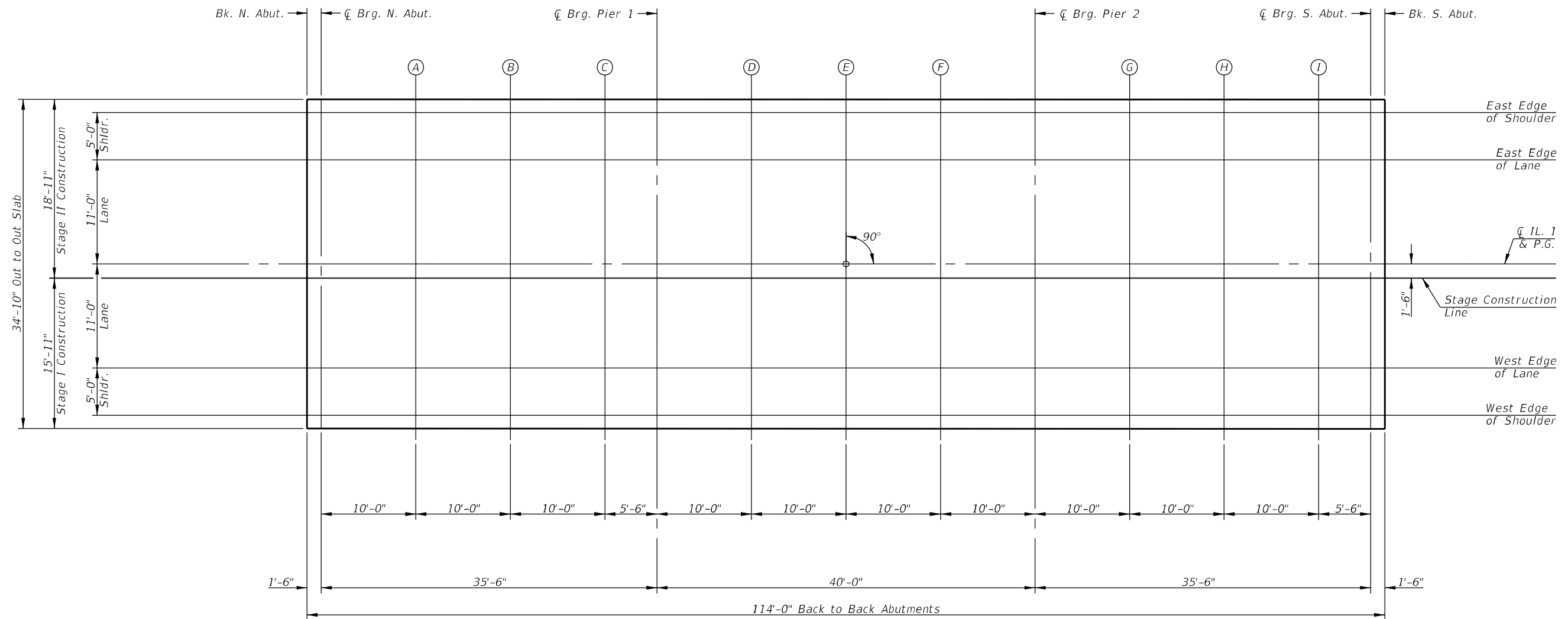
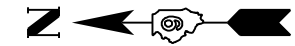


DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only.)

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on Sheet 7 of 23.



PLAN

MODEL: 78147-030
 FILE NAME: \\spspr-61\spshare\0500\0595-IL_DOT_District_9\0595-001-0006-IL_1_Crawford_Ph1_Gallatin_Co\CADD\CADD_Sheets\878147-shl-structure.dgn

VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

USER NAME = _____	DESIGNED - KES	REVISED - _____
PLOT SCALE = _____	CHECKED - DHC	REVISED - _____
PLOT DATE = JANUARY 20th, 2025	DRAWN - VVR	REVISED - _____
	CHECKED - DHC	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS LAYOUT
 STRUCTURE NO. 030 - 0025**

SHEET 6 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	30
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78147	

East Edge of Shoulder

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. N. Abut.	646+81.00	-16.00	367.89	367.89
☐ Brg. N. Abut.	646+82.50	-16.00	367.89	367.89
A	646+92.50	-16.00	367.89	367.92
B	647+02.50	-16.00	367.89	367.92
C	647+26.50	-16.00	367.89	367.90
☐ Brg. Pier 1	647+32.00	-16.00	367.89	367.89
D	647+42.00	-16.00	367.89	367.90
E	647+52.00	-16.00	367.89	367.90
F	647+62.00	-16.00	367.89	367.90
☐ Brg. Pier 2	647+72.00	-16.00	367.89	367.89
G	647+82.00	-16.00	367.89	367.91
H	647+92.00	-16.00	367.89	367.92
I	648+02.00	-16.00	367.89	367.91
☐ Brg. S. Abut.	648+07.50	-16.00	367.89	367.89
Bk. S. Abut.	648+09.00	-16.00	367.89	367.89

East Edge of Lane

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. N. Abut.	646+81.00	-11.00	367.99	367.99
☐ Brg. N. Abut.	646+82.50	-11.00	367.99	367.99
A	646+92.50	-11.00	367.99	368.02
B	647+02.50	-11.00	367.99	368.02
C	647+26.50	-11.00	367.99	368.00
☐ Brg. Pier 1	647+32.00	-11.00	367.99	367.99
D	647+42.00	-11.00	367.99	368.00
E	647+52.00	-11.00	367.99	368.00
F	647+62.00	-11.00	367.99	368.00
☐ Brg. Pier 2	647+72.00	-11.00	367.99	367.99
G	647+82.00	-11.00	367.99	368.01
H	647+92.00	-11.00	367.99	368.02
I	648+02.00	-11.00	367.99	368.01
☐ Brg. S. Abut.	648+07.50	-11.00	367.99	367.99
Bk. S. Abut.	648+09.00	-11.00	367.99	367.99

☐ IL 1 & PG

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. N. Abut.	646+81.00	0.00	368.15	368.15
☐ Brg. N. Abut.	646+82.50	0.00	368.15	368.15
A	646+92.50	0.00	368.15	368.18
B	647+02.50	0.00	368.15	368.18
C	647+26.50	0.00	368.15	368.16
☐ Brg. Pier 1	647+32.00	0.00	368.15	368.15
D	647+42.00	0.00	368.15	368.16
E	647+52.00	0.00	368.15	368.16
F	647+62.00	0.00	368.15	368.16
☐ Brg. Pier 2	647+72.00	0.00	368.15	368.15
G	647+82.00	0.00	368.15	368.17
H	647+92.00	0.00	368.15	368.18
I	648+02.00	0.00	368.15	368.17
☐ Brg. S. Abut.	648+07.50	0.00	368.15	368.15
Bk. S. Abut.	648+09.00	0.00	368.15	368.15

Stage Construction Line

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. N. Abut.	646+81.00	1.50	368.13	368.13
☐ Brg. N. Abut.	646+82.50	1.50	368.13	368.13
A	646+92.50	1.50	368.13	368.16
B	647+02.50	1.50	368.13	368.16
C	647+26.50	1.50	368.13	368.14
☐ Brg. Pier 1	647+32.00	1.50	368.13	368.13
D	647+42.00	1.50	368.13	368.14
E	647+52.00	1.50	368.13	368.14
F	647+62.00	1.50	368.13	368.14
☐ Brg. Pier 2	647+72.00	1.50	368.13	368.13
G	647+82.00	1.50	368.13	368.15
H	647+92.00	1.50	368.13	368.16
I	648+02.00	1.50	368.13	368.15
☐ Brg. S. Abut.	648+07.50	1.50	368.13	368.13
Bk. S. Abut.	648+09.00	1.50	368.13	368.13

West Edge of Lane

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. N. Abut.	646+81.00	11.00	367.99	367.99
☐ Brg. N. Abut.	646+82.50	11.00	367.99	367.99
A	646+92.50	11.00	367.99	368.02
B	647+02.50	11.00	367.99	368.02
C	647+26.50	11.00	367.99	368.00
☐ Brg. Pier 1	647+32.00	11.00	367.99	367.99
D	647+42.00	11.00	367.99	368.00
E	647+52.00	11.00	367.99	368.00
F	647+62.00	11.00	367.99	368.00
☐ Brg. Pier 2	647+72.00	11.00	367.99	367.99
G	647+82.00	11.00	367.99	368.01
H	647+92.00	11.00	367.99	368.02
I	648+02.00	11.00	367.99	368.01
☐ Brg. S. Abut.	648+07.50	11.00	367.99	367.99
Bk. S. Abut.	648+09.00	11.00	367.99	367.99

West Edge of Shoulder

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Bk. N. Abut.	646+81.00	16.00	367.89	367.89
☐ Brg. N. Abut.	646+82.50	16.00	367.89	367.89
A	646+92.50	16.00	367.89	367.92
B	647+02.50	16.00	367.89	367.92
C	647+26.50	16.00	367.89	367.90
☐ Brg. Pier 1	647+32.00	16.00	367.89	367.89
D	647+42.00	16.00	367.89	367.90
E	647+52.00	16.00	367.89	367.90
F	647+62.00	16.00	367.89	367.90
☐ Brg. Pier 2	647+72.00	16.00	367.89	367.89
G	647+82.00	16.00	367.89	367.91
H	647+92.00	16.00	367.89	367.92
I	648+02.00	16.00	367.89	367.91
☐ Brg. S. Abut.	648+07.50	16.00	367.89	367.89
Bk. S. Abut.	648+09.00	16.00	367.89	367.89

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VEENSTRA & KIMM INC.
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PLOT DATE = JANUARY 20th, 2025	DRAWN - VVR	REVISED - _____
	CHECKED - DHC	REVISED - _____

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
 STRUCTURE NO. 030 - 0025**

SHEET 7 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	31
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

East Edge of Shoulder

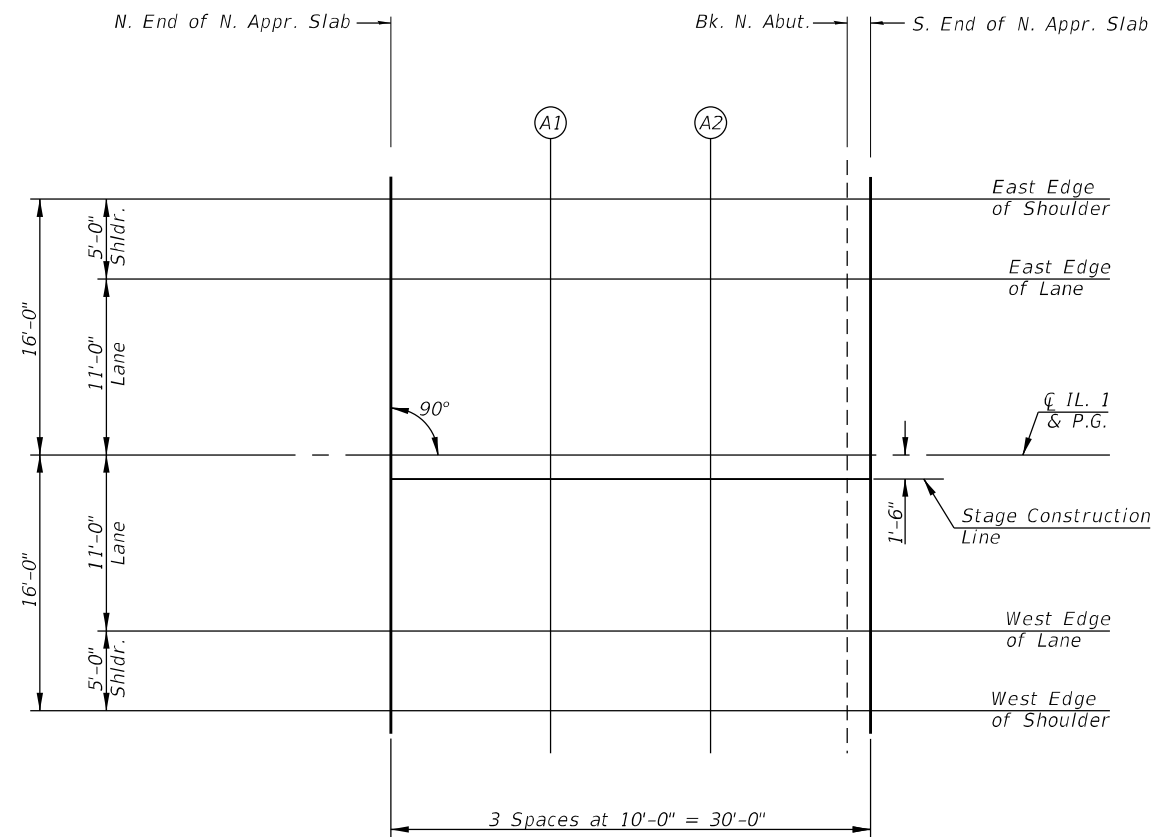
Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Slab	646+52.00	-16.00	367.89
A1	646+62.00	-16.00	367.89
A2	646+72.00	-16.00	367.89
S. End N. Appr. Slab	646+82.00	-16.00	367.89

East Edge of Lane

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Slab	646+52.00	-11.00	367.99
A1	646+62.00	-11.00	367.99
A2	646+72.00	-11.00	367.99
S. End N. Appr. Slab	646+82.00	-11.00	367.99

CL 1 & P.G.

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Slab	646+52.00	0.00	368.15
A1	646+62.00	0.00	368.15
A2	646+72.00	0.00	368.15
S. End N. Appr. Slab	646+82.00	0.00	368.15



PLAN

Stage Construction Line

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Slab	646+52.00	1.50	368.13
A1	646+62.00	1.50	368.13
A2	646+72.00	1.50	368.13
S. End N. Appr. Slab	646+82.00	1.50	368.13

West Edge of Lane

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Slab	646+52.00	11.00	367.99
A1	646+62.00	11.00	367.99
A2	646+72.00	11.00	367.99
S. End N. Appr. Slab	646+82.00	11.00	367.99

West Edge of Shoulder

Location	Station	Offset	Theoretical Grade Elevations
N. End N. Appr. Slab	646+52.00	16.00	367.89
A1	646+62.00	16.00	367.89
A2	646+72.00	16.00	367.89
S. End N. Appr. Slab	646+82.00	16.00	367.89

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	CHECKED - DHC	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 030 - 0025

F.A.P. RTE. 782	SECTION 111(B-1)	COUNTY GALLATIN	TOTAL SHEETS 62	SHEET NO. 32
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

East Edge of Shoulder

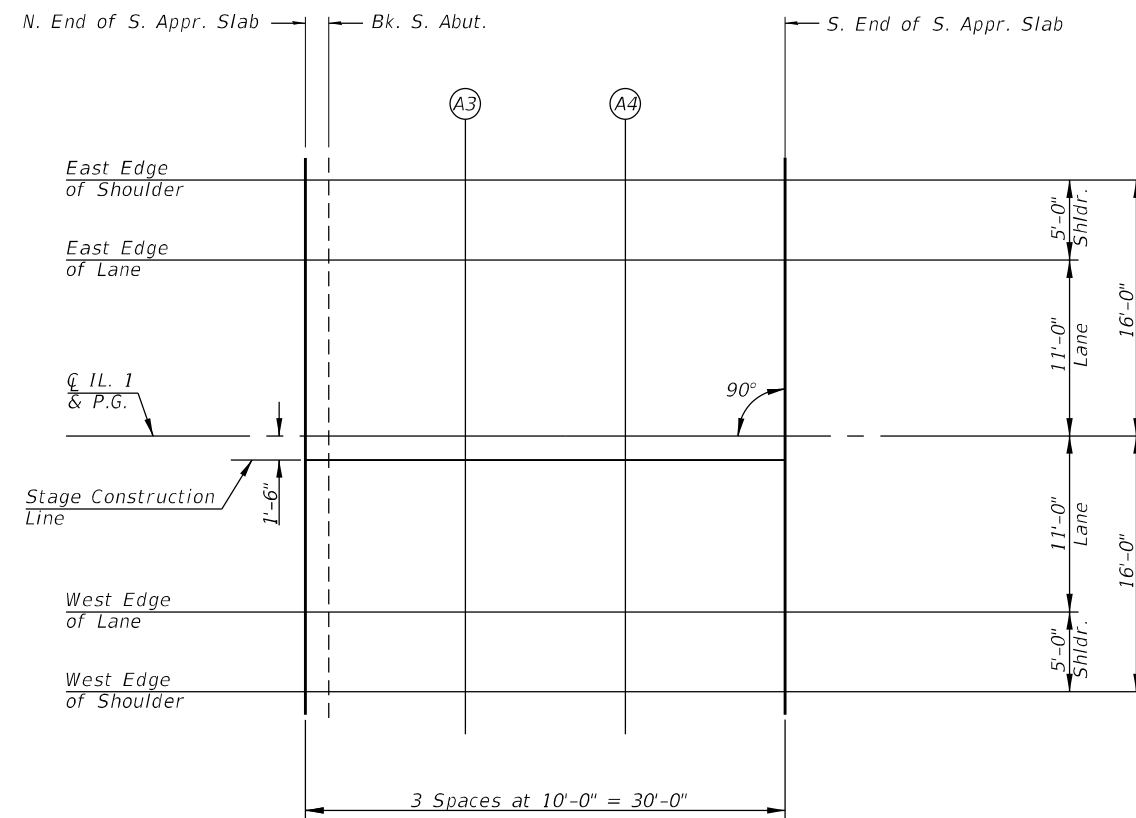
Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Slab	648+08.00	-16.00	367.89
A3	648+18.00	-16.00	367.89
A4	648+28.00	-16.00	367.89
S. End S. Appr. Slab	648+38.00	-16.00	367.89

East Edge of Lane

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Slab	648+08.00	-11.00	367.99
A3	648+18.00	-11.00	367.99
A4	648+28.00	-11.00	367.99
S. End S. Appr. Slab	648+38.00	-11.00	367.99

CL 1 & P.G.

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Slab	648+08.00	0.00	368.15
A3	648+18.00	0.00	368.15
A4	648+28.00	0.00	368.15
S. End S. Appr. Slab	648+38.00	0.00	368.15



PLAN

Stage Construction Line

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Slab	648+08.00	1.50	368.13
A3	648+18.00	1.50	368.13
A4	648+28.00	1.50	368.13
S. End S. Appr. Slab	648+38.00	1.50	368.13

West Edge of Lane

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Slab	648+08.00	11.00	367.99
A3	648+18.00	11.00	367.99
A4	648+28.00	11.00	367.99
S. End S. Appr. Slab	648+38.00	11.00	367.99

West Edge of Shoulder

Location	Station	Offset	Theoretical Grade Elevations
N. End S. Appr. Slab	648+08.00	16.00	367.89
A3	648+18.00	16.00	367.89
A4	648+28.00	16.00	367.89
S. End S. Appr. Slab	648+38.00	16.00	367.89

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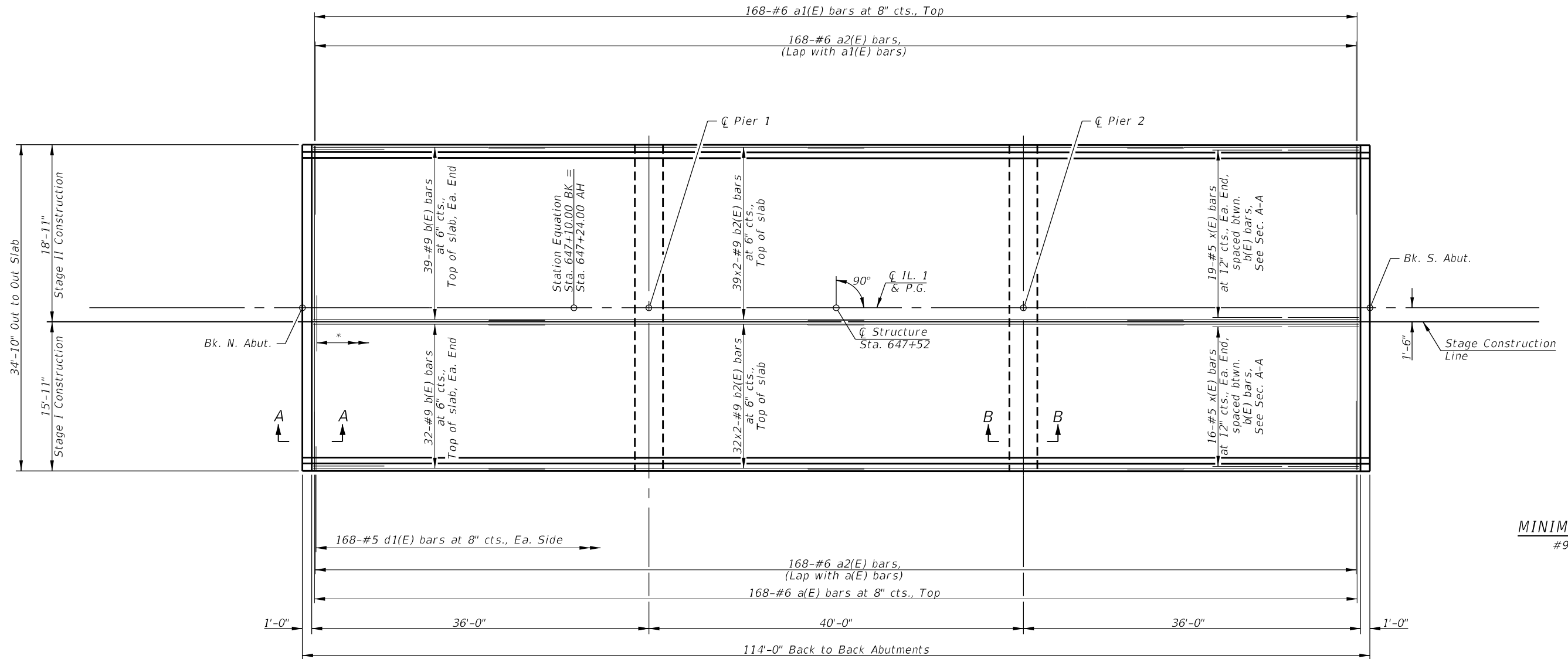
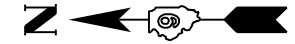
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	CHECKED - DHC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 030 - 0025**

SHEET 9 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	33
CONTRACT NO. 78147			ILLINOIS FED. AID PROJECT	



TOP PLAN
(Showing top reinforcement)

MINIMUM BAR LAP
#9 bar = 6'-7"

* 168-Bar Splicers(E) for #6 a(E) bars, top

- Notes:
1. See Sheets 12 and 13 of 23 for superstructure details and Bill of Material.
 2. See Sheet 12 of 23 for Sections A-A and B-B.
 3. Bars called out thus 32x2-#9 etc. indicates 32 lines of bars with 2 lengths per line.
 4. See Sheet 21 of 23 for Bar Splicer Details.

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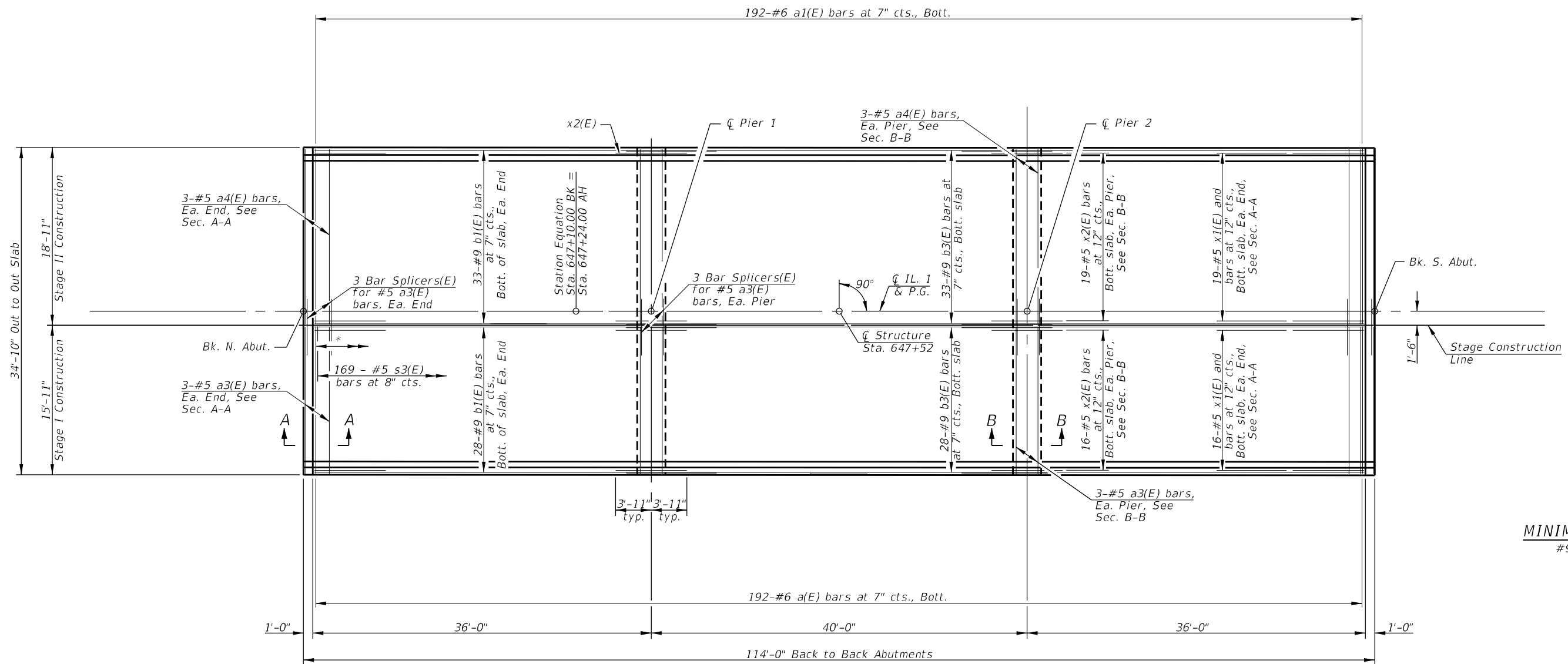
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 030 - 0025

SHEET 10 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	34
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

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BOTTOM PLAN
(Showing bottom reinforcement)

MINIMUM BAR LAP
#9 bar = 7'-3"

* 192-Bar Splicers(E) for #6 a(E) bars, Bott.

- Notes:
1. See Sheets 12 and 13 of 23 for superstructure details and Bill of Material.
 2. See Sheet 12 of 23 for Sections A-A and B-B.
 3. Bars called out thus 32x2-#9 etc. indicates 32 lines of bars with 2 lengths per line.
 4. See Sheet 21 of 23 for Bar Splicer Details.

MODEL: 78147-035
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IL. Design Firm No. 184-001939

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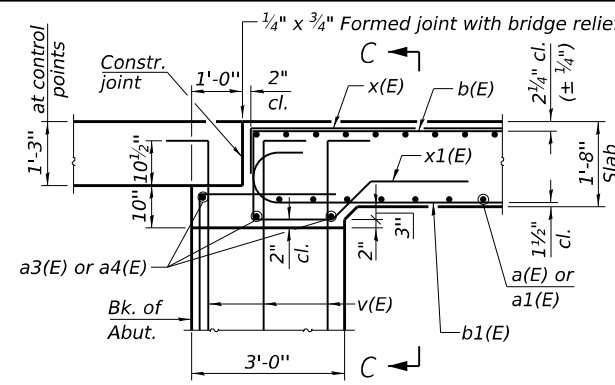
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 030 - 0025

SHEET 11 OF 23 SHEETS

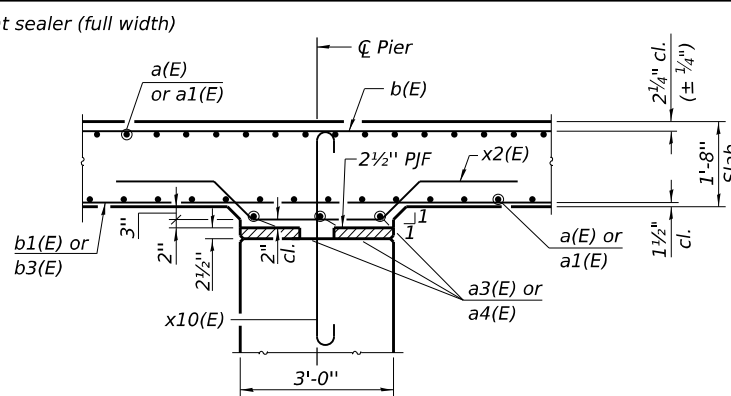
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	35
CONTRACT NO. 78147				

ILLINOIS FED. AID PROJECT



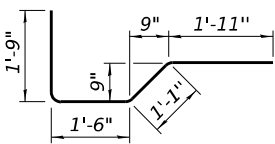
SECTION A-A

Horizontal dimensions at Rt. L's to abutments.

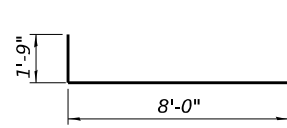


SECTION B-B

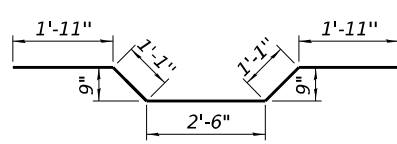
Horizontal dimensions at Rt. L's to piers.



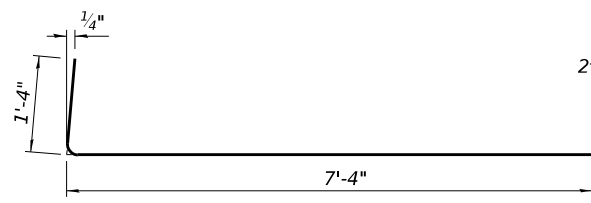
BAR x1(E)



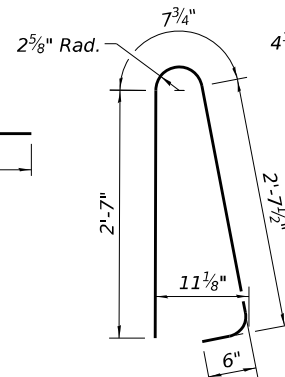
BAR x(E)



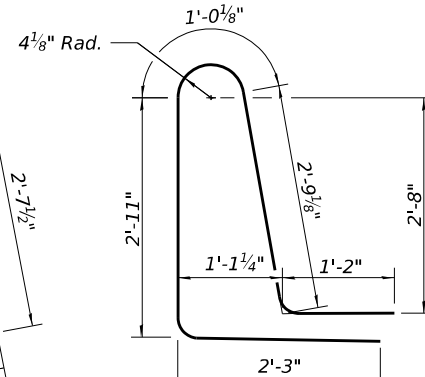
BAR x2(E)



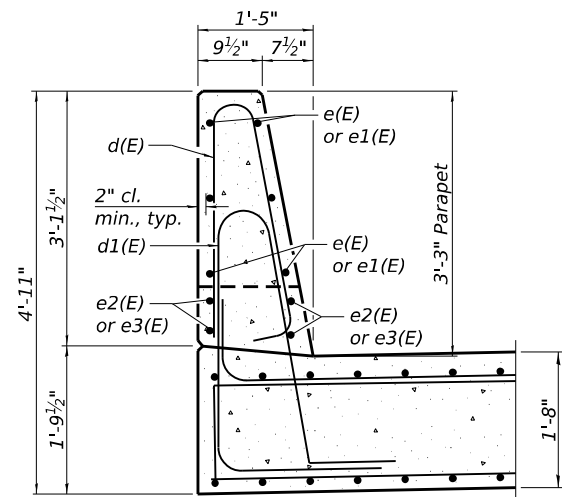
BAR a2(E)



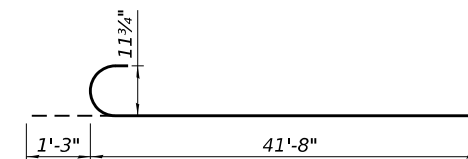
BAR d(E)



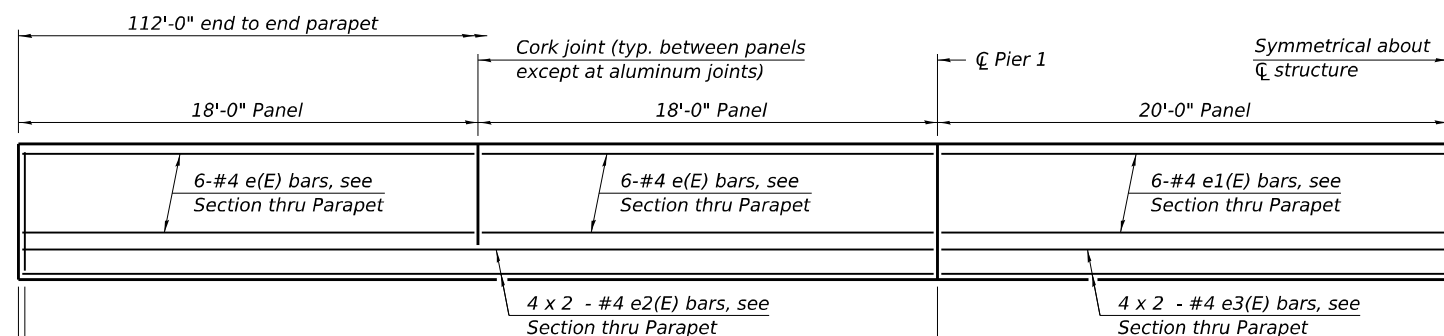
BAR d1(E)



SECTION THRU PARAPET

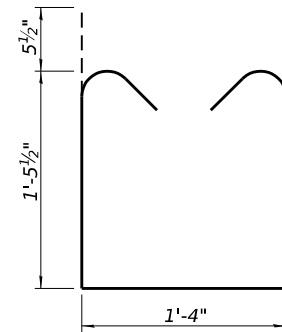


BAR b1(E)



INSIDE ELEVATION OF PARAPET

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

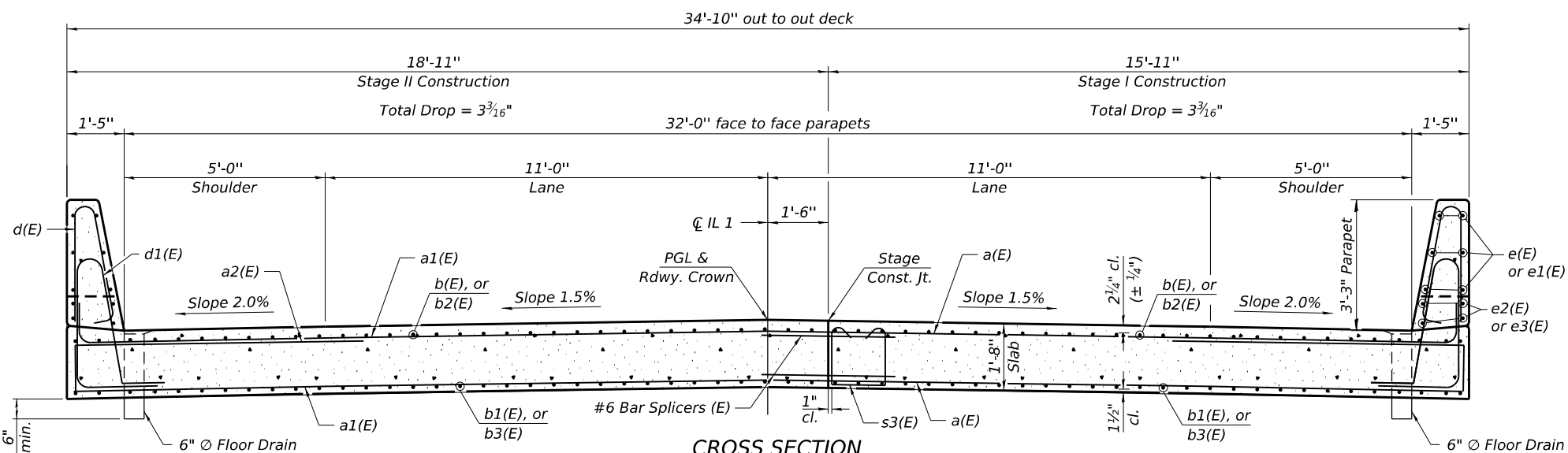


BAR s3(E)

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	360	#6	15'-8"	—
a1(E)	360	#6	18'-8"	—
a2(E)	168	#6	8'-8"	—
a3(E)	12	#5	15'-8"	—
a4(E)	12	#5	18'-8"	—
b(E)	142	#9	25'-1"	—
b1(E)	122	#9	42'-11"	—
b2(E)	142	#9	40'-8"	—
b3(E)	61	#9	42'-11"	—
d(E)	336	#5	6'-5"	—
d1(E)	336	#5	10'-1"	—
e(E)	48	#4	17'-8"	—
e1(E)	24	#4	19'-8"	—
e2(E)	32	#4	19'-1"	—
e3(E)	16	#4	21'-1"	—
s3(E)	169	#5	5'-2"	—
x(E)	70	#5	9'-9"	—
x1(E)	70	#5	6'-3"	—
x2(E)	70	#5	8'-6"	—
Reinforcement Bars, Epoxy Coated			Lbs.	89,630
Concrete Superstructure			Cu. Yd.	277.4

Bars indicated thus 4 x 2-#4 etc. indicates 4 lines of bars with 2 lengths per line.



CROSS SECTION

(Looking South)

MODEL: 78147-036
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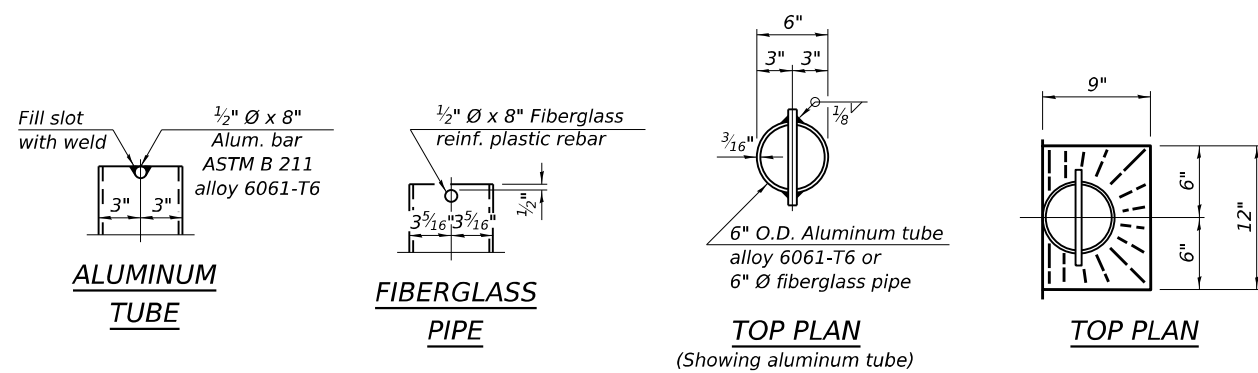
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

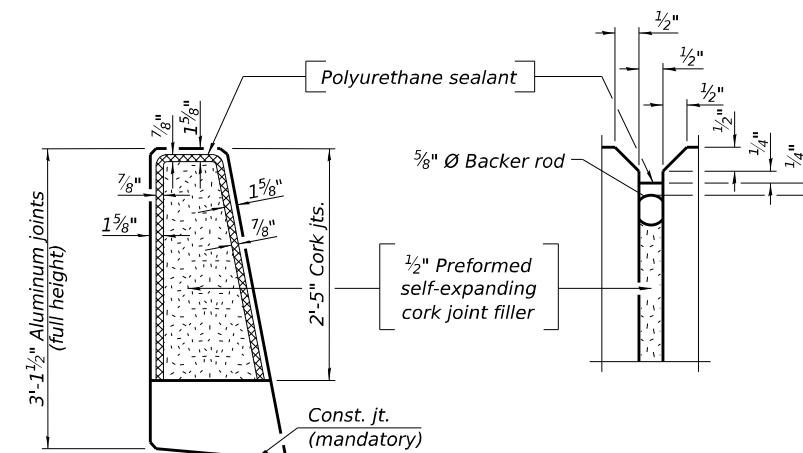
SUPERSTRUCTURE DETAILS STRUCTURE NO. 030 - 0025

SHEET 12 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	36
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				



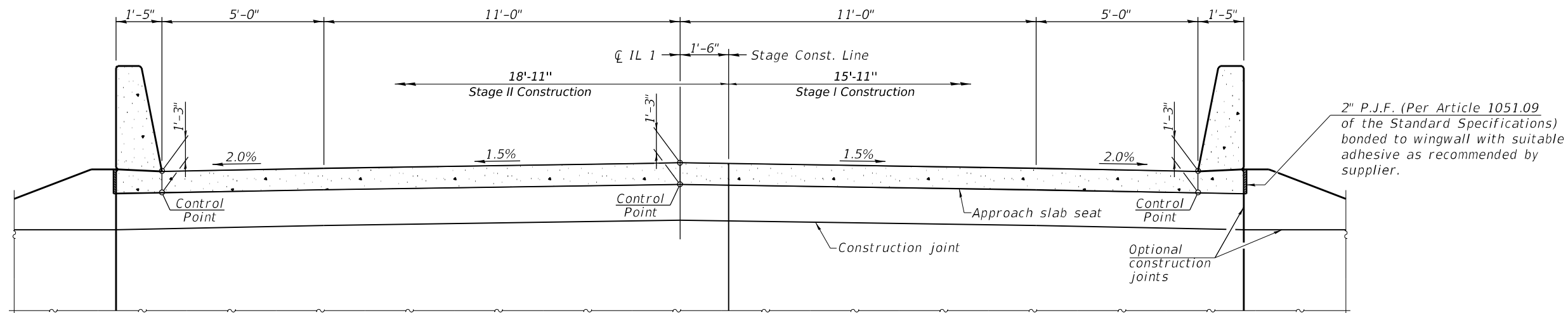
FLOOR DRAIN DETAILS



PARAPET JOINT DETAILS

Notes:

- Fiberglass pipe shall conform to ASTM D2996, with short-time rupture strength hoop tensile stress of 30,000 p.s.i. minimum.
- The exterior surfaces of the fiberglass floor drains shall be pigmented by the manufacturer with a color that matches the concrete.
- The top portion of aluminum floor drains shall be coated with 5 mils of either bitumen paint or epoxy paint to minimize reaction with wet concrete.
- 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.
- The approach slab seat shall have a constant slope determined from the control points shown.



SECTION C-C

MODEL: 78147-037
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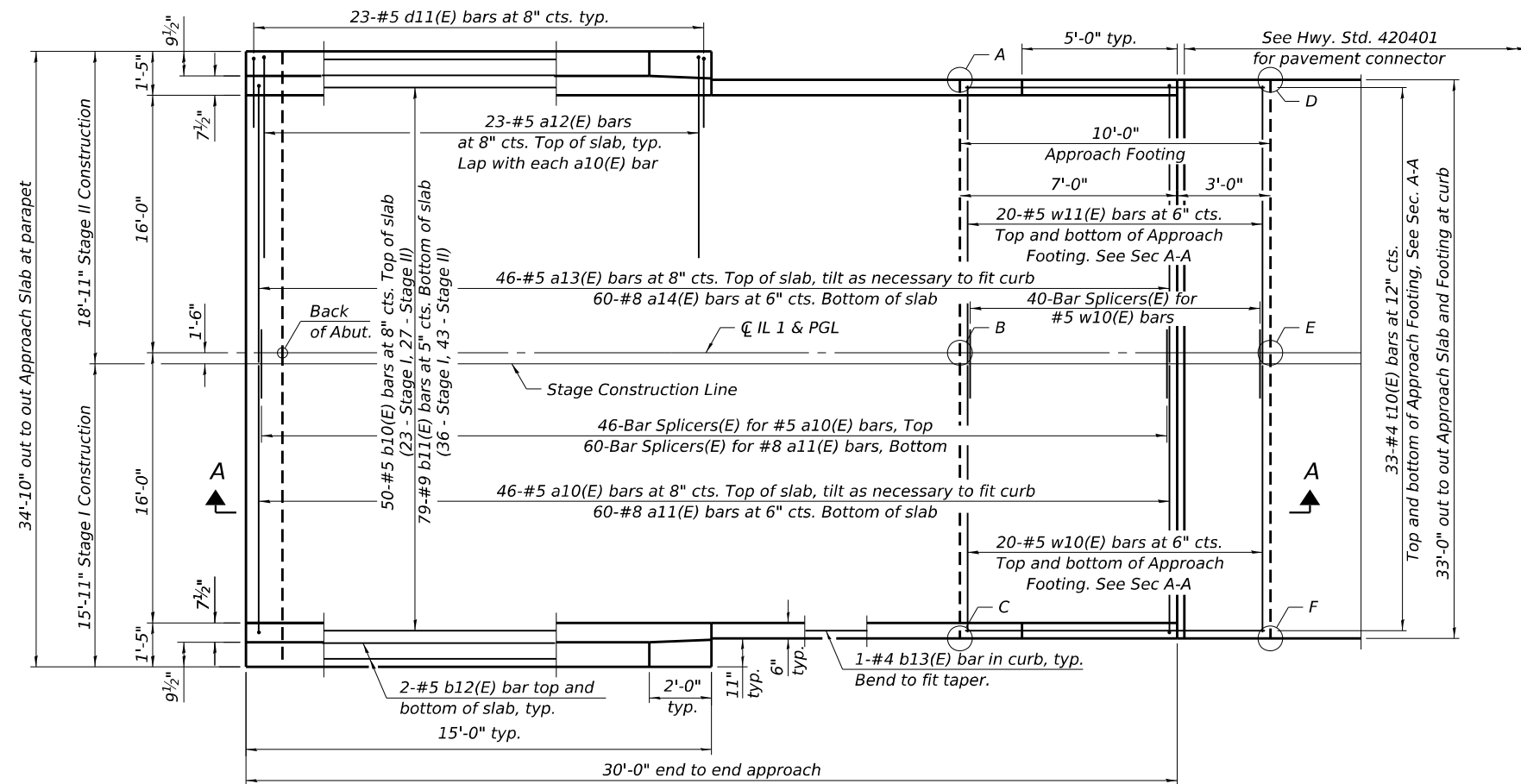
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	CHECKED - DHC	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
 STRUCTURE NO. 030 - 0025**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	37
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

SHEET 13 OF 23 SHEETS

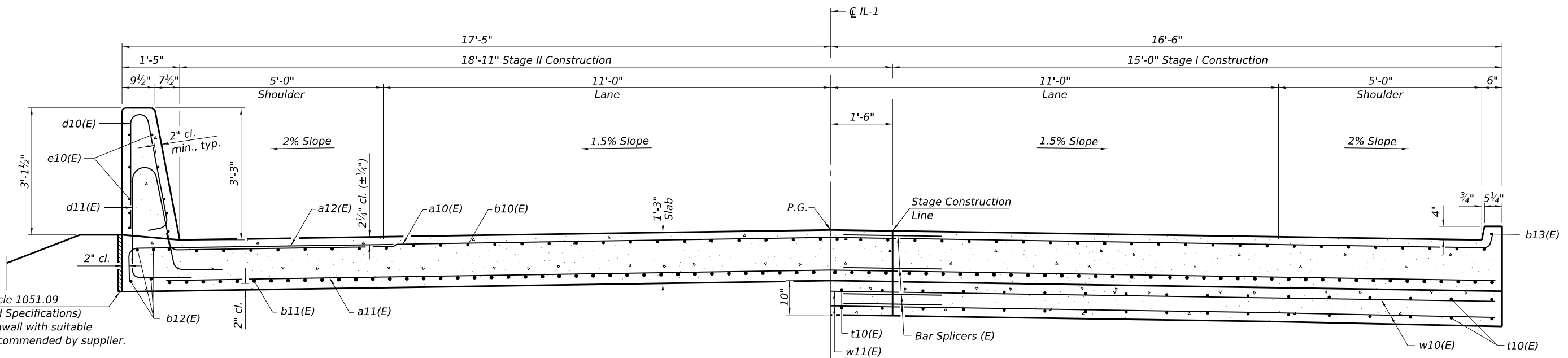


PLAN

(South Approach slab shown; North Approach slab mirror image)

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

North Approach			South Approach		
Point/Location	Top	Bottom	Point/Location	Top	Bottom
A - SE	366.63	365.80	A - NE	366.63	365.80
B - S PG	366.90	366.07	B - N PG	366.90	366.07
C - SW	366.63	365.80	C - NW	366.63	365.80
D - NE	366.63	365.80	D - SE	366.63	365.80
E - N PG	366.90	366.07	E - S PG	366.90	366.07
F - NW	366.63	365.80	F - SW	366.63	365.80



NEAR ABUTMENT

CROSS SECTION
(Looking South)

AT APPROACH FOOTING

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(Sheet 1 of 2)

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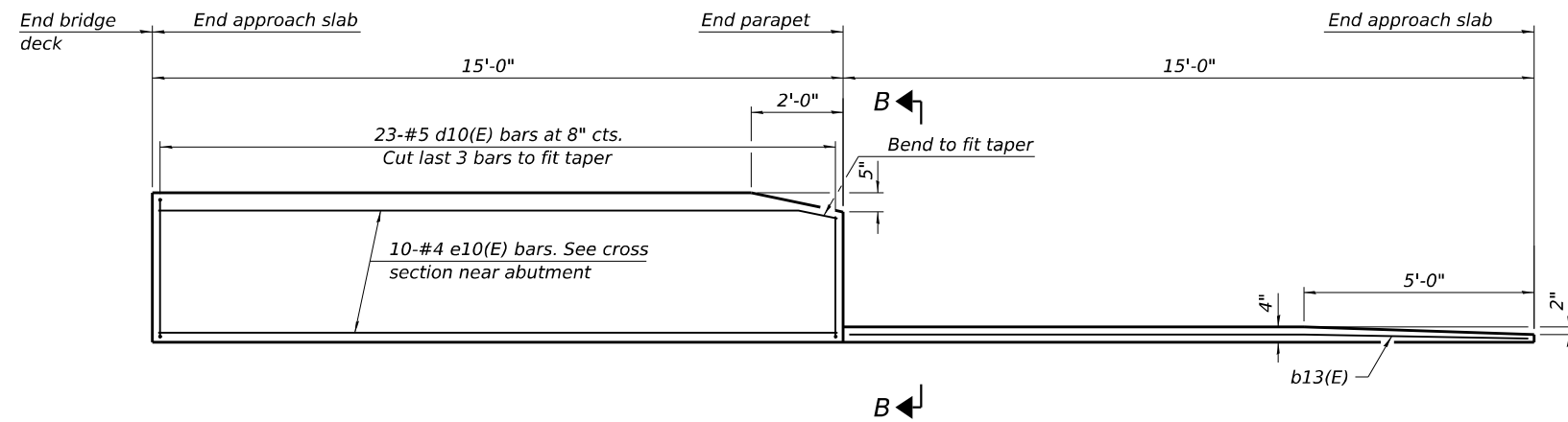
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BRIDGE APPROACH SLAB
STRUCTURE NO. 030 - 0025

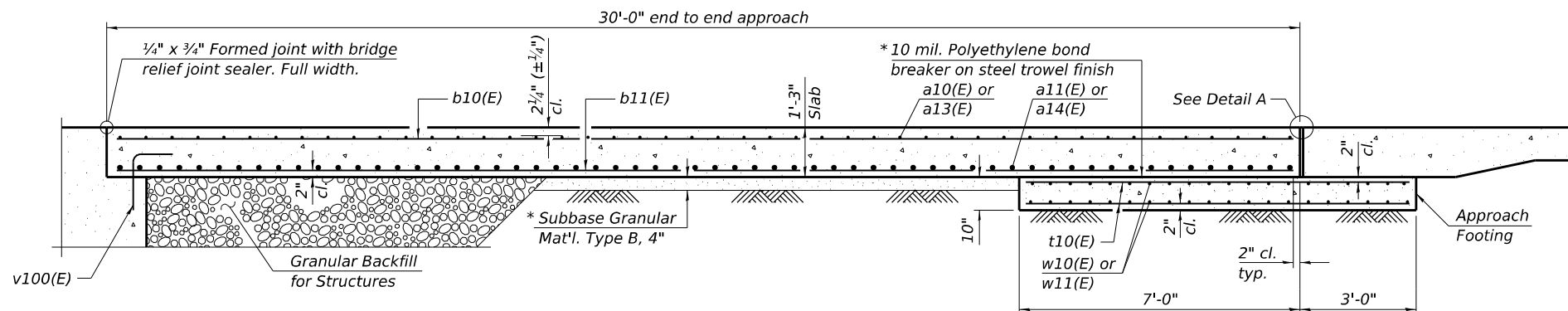
SHEET 14 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	38
CONTRACT NO. 78147				

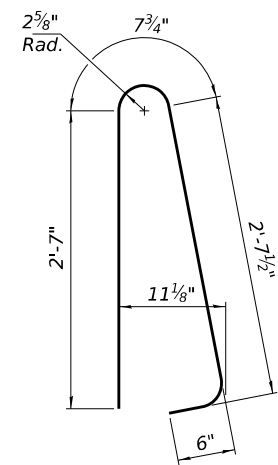
ILLINOIS FED. AID PROJECT



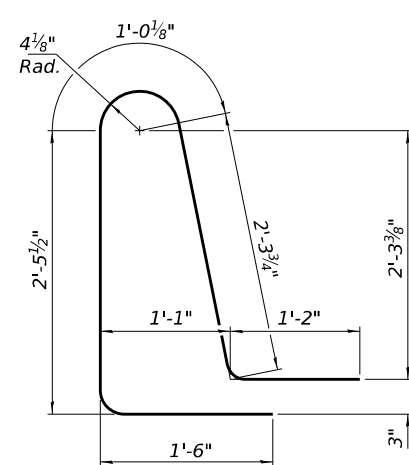
INSIDE ELEVATION OF PARAPET AND CURB



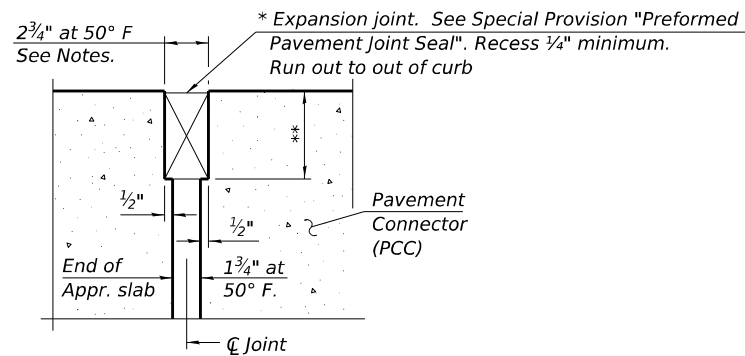
SECTION A-A



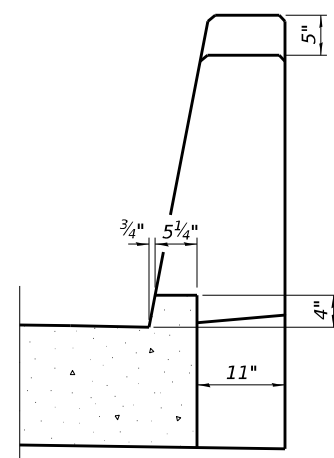
BAR d10(E)



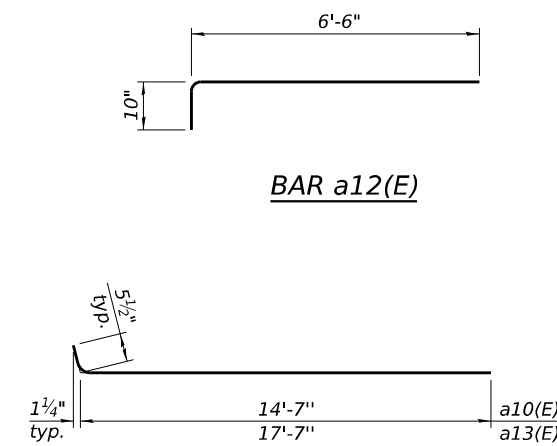
BAR d11(E)



DETAIL A



VIEW B-B



BARS a10(E) & a13(E)

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 (Q_{max}) = 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 23.
 For bar splicer details, see Sheet 21 of 23.

**BILL OF MATERIAL
TWO APPROACH SLABS**

Bar	No.	Size	Length	Shape
a10(E)	92	#5	15'-1"	
a11(E)	120	#8	14'-9"	
a12(E)	92	#5	7'-4"	
a13(E)	92	#5	18'-1"	
a14(E)	120	#8	17'-9"	
b10(E)	100	#5	29'-8"	
b11(E)	158	#9	29'-8"	
b12(E)	16	#5	14'-8"	
b13(E)	4	#4	14'-8"	
d10(E)	92	#5	6'-5"	
d11(E)	92	#5	8'-6"	
e10(E)	40	#4	14'-8"	
t10(E)	132	#4	9'-8"	
w10(E)	80	#5	14'-9"	
w11(E)	80	#5	17'-9"	
Concrete Superstructure			Cu. Yd.	7.8
Concrete Superstructure (Approach Slab)			Cu. Yd.	94.8
Concrete Structures			Cu. Yd.	20.4
Reinforcement Bars, Epoxy Coated			Pound	39,010

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

BAIA-CIP-39CS-0

5-15-2023

(Sheet 2 of 2)

VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

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	CHECKED - DHC	REVISED -

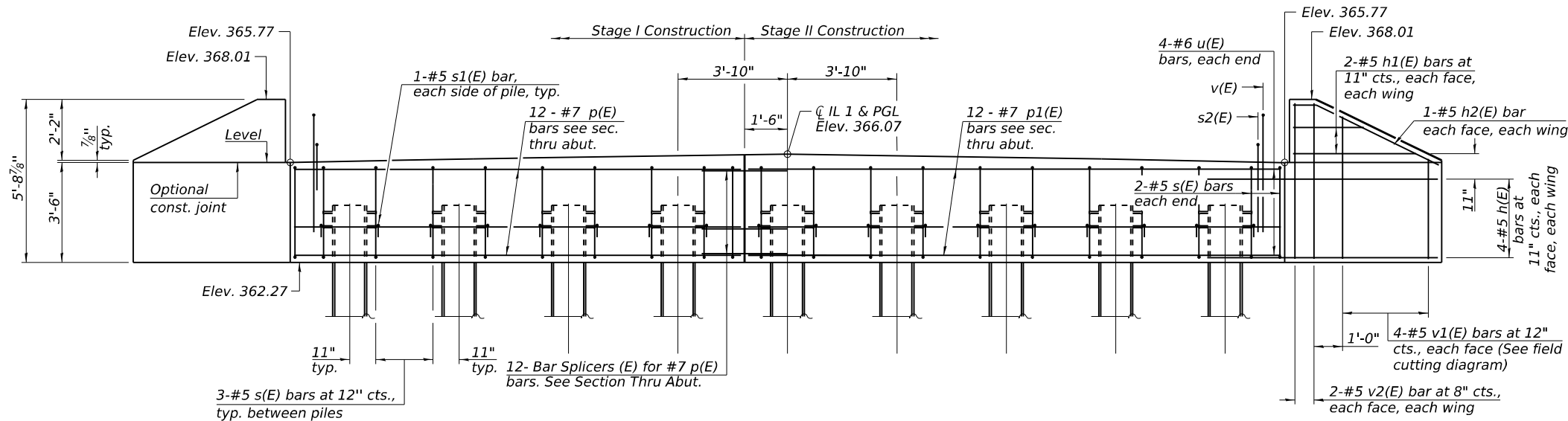
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 030 - 0025**

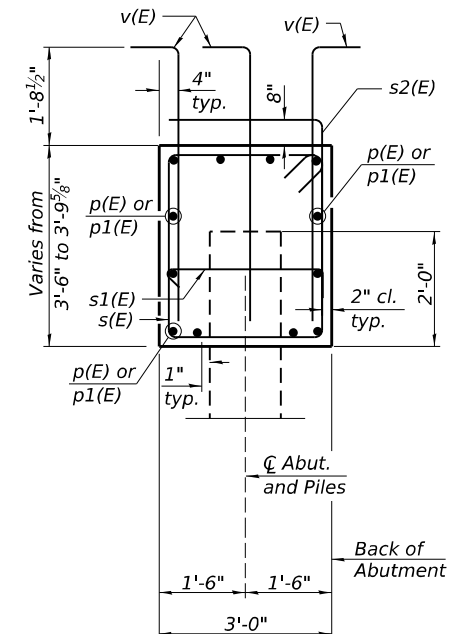
SHEET 15 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	39
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

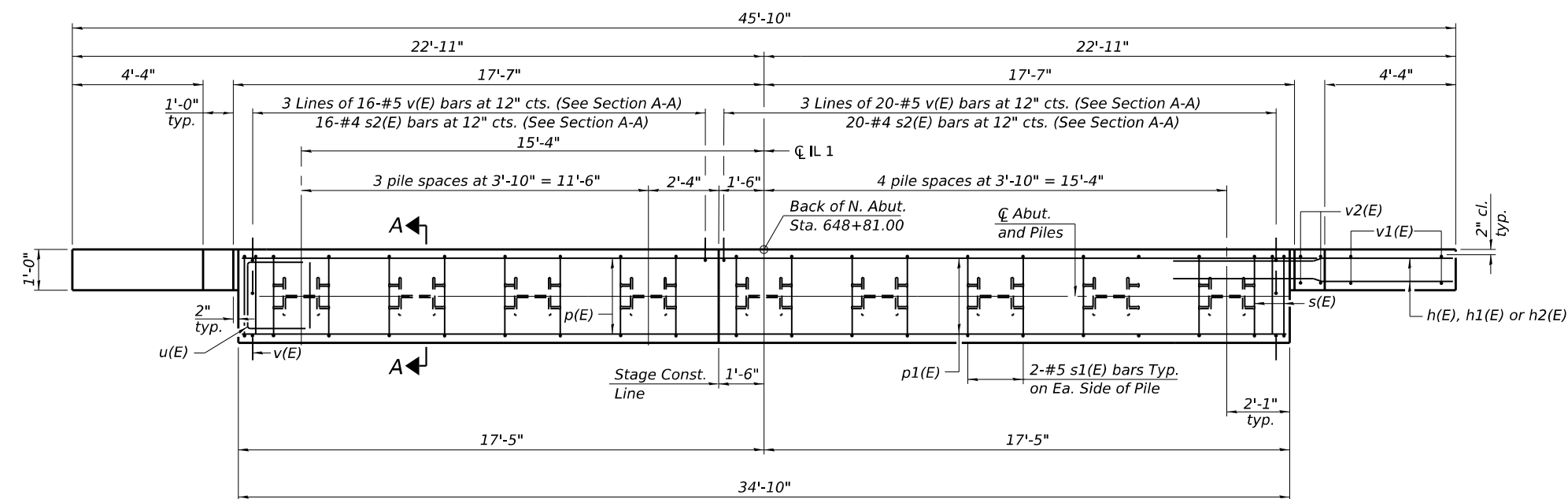
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ELEVATION
(Looking North)



SECTION A-A



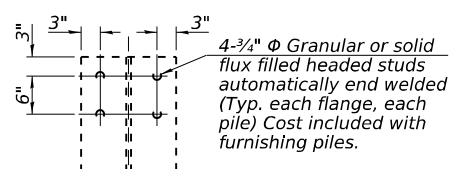
PLAN

BILL OF MATERIAL

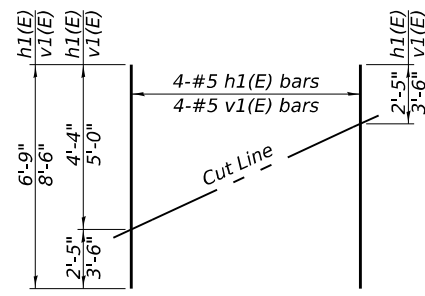
Bar	No.	Size	Length	Shape
h(E)	16	#5	8'-5"	—
h1(E)	4	#5	6'-9"	—
h2(E)	4	#5	5'-6"	—
p(E)	12	#7	15'-8"	—
p1(E)	12	#7	18'-8"	—
s(E)	26	#5	12'-7"	□
s1(E)	18	#5	3'-8"	┌
s2(E)	36	#4	6'-0"	┌
u(E)	8	#6	11'-2"	—
v(E)	108	#5	5'-10"	—
v1(E)	8	#5	8'-6"	—
v2(E)	8	#5	5'-4"	—
Structure Excavation			Cu. Yd.	94
Concrete Structures			Cu. Yd.	16.1
Reinforcement Bars, Epoxy Coated			Pound	2490
Furnishing Steel Piles HP14x117			Foot	448
Driving Piles			Foot	448
Test Pile Steel HP14x117			Each	1

PILE DATA

Type: HP14x117
 Nominal Required Bearing: 929 kips
 Factored Resistance Available: 511 kips
 Est. Length: 56'
 No. Production Piles: 8
 No. Test Piles: 1

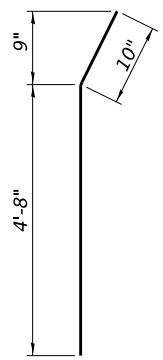


SEISMIC PILE DETAILS

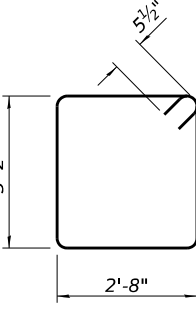


FIELD CUTTING DIAGRAM

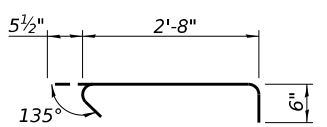
Order h1(E) & v1(E) bars full length. Cut as shown and use remainder of bars in opposite wing.



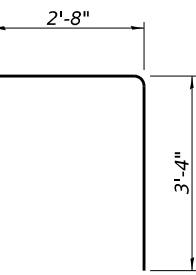
BAR h2(E)



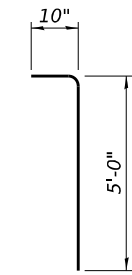
BAR s(E)



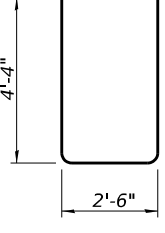
BAR s1(E)



BAR s2(E)



BAR v(E)



BAR u(E)

Notes:
 For details of piles, see sheet 20 of 23.
 Cast tops of wingwalls after the concrete superstructure has been placed.

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 IL. Design Firm No. 184-001939

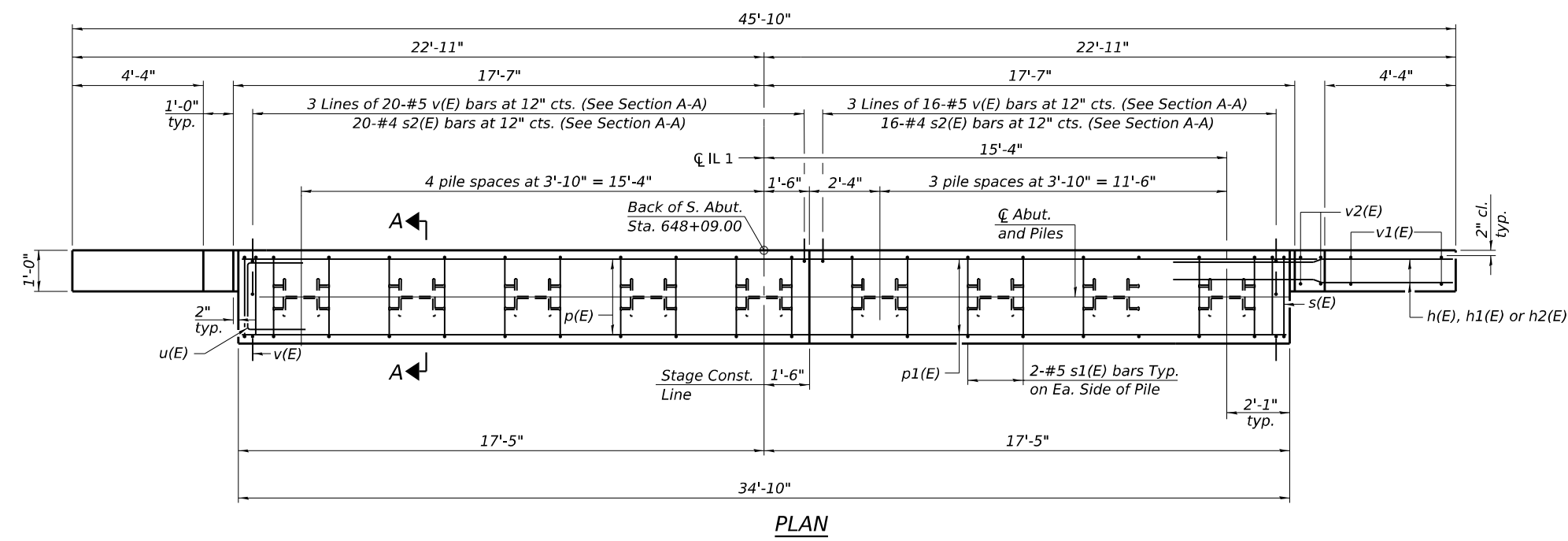
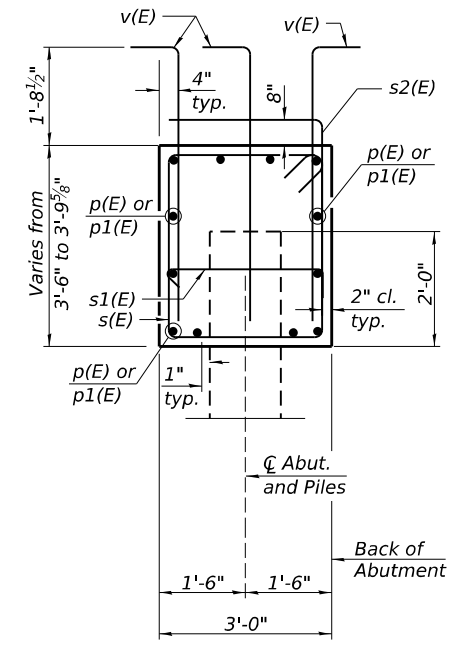
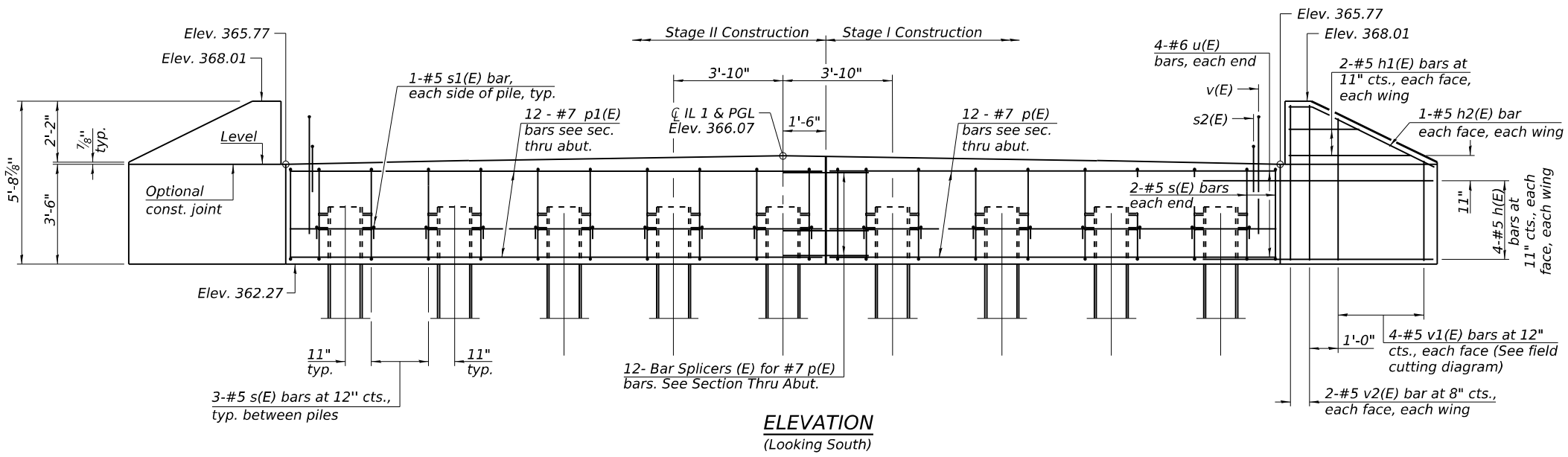
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PLOT SCALE =	CHECKED - DHC	REVISED -
PLOT DATE = FEBRUARY 7th, 2025	DRAWN - VVR	REVISED -
	CHECKED - DHC	REVISED -

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NORTH ABUTMENT
STRUCTURE NO. 030 - 0025

SHEET 16 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	40
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				



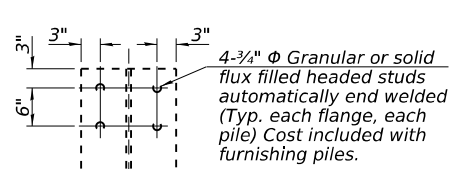
SECTION A-A

BILL OF MATERIAL

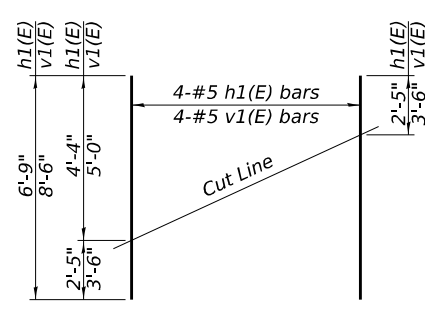
Bar	No.	Size	Length	Shape
h(E)	16	#5	8'-5"	—
h1(E)	4	#5	6'-9"	—
h2(E)	4	#5	5'-6"	—
p(E)	12	#7	15'-8"	—
p1(E)	12	#7	18'-8"	—
s(E)	26	#5	12'-7"	□
s1(E)	18	#5	3'-8"	┌
s2(E)	36	#4	6'-0"	└
u(E)	8	#6	11'-2"	—
v(E)	108	#5	5'-10"	—
v1(E)	8	#5	8'-6"	—
v2(E)	8	#5	5'-4"	—
Structure Excavation			Cu. Yd.	94
Concrete Structures			Cu. Yd.	16.1
Reinforcement Bars, Epoxy Coated			Pound	2490
Furnishing Steel Piles HP14x117			Foot	408
Driving Piles			Foot	408
Test Pile Steel HP14x117			Each	1

PILE DATA

Type: HP14x117
 Nominal Required Bearing: 929 kips
 Factored Resistance Available: 511 kips
 Est. Length: 51'
 No. Production Piles: 8
 No. Test Piles: 1

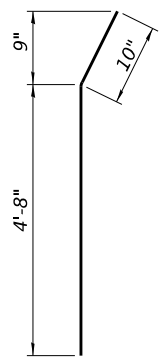


SEISMIC PILE DETAILS

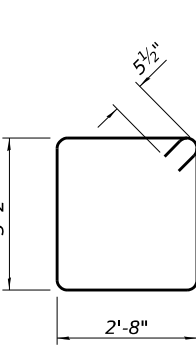


FIELD CUTTING DIAGRAM

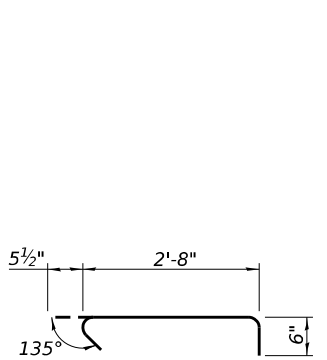
Order h1(E) & v1(E) bars full length. Cut as shown and use remainder of bars in opposite wing.



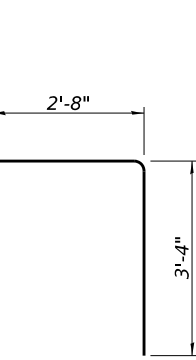
BAR h2(E)



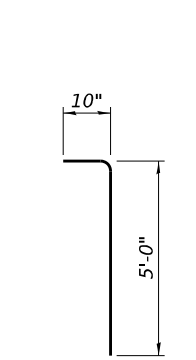
BAR s(E)



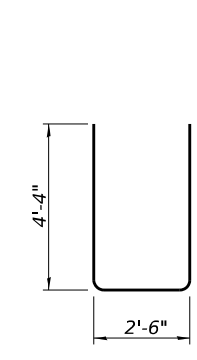
BAR s1(E)



BAR s2(E)



BAR v(E)



BAR u(E)

Notes:
 For details of piles, see sheet 20 of 23.
 Cast tops of wingwalls after the concrete superstructure has been placed.

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 IL. Design Firm No. 184-001939

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	CHECKED - DHC	REVISED -

**STATE OF ILLINOIS
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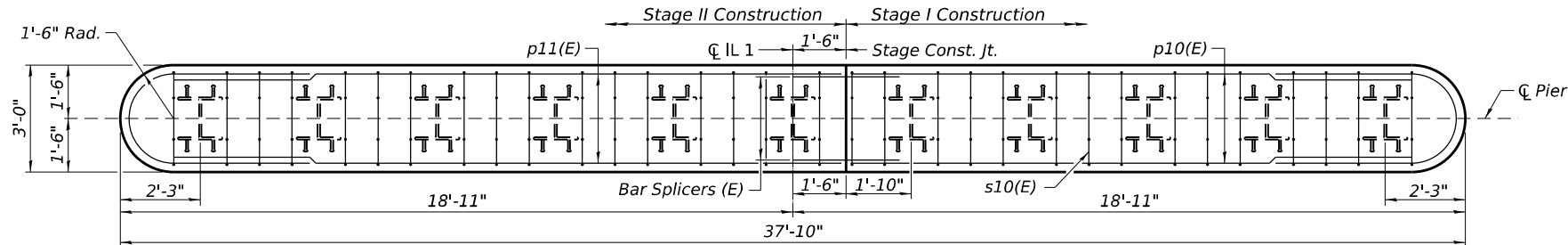
**SOUTH ABUTMENT
 STRUCTURE NO. 030 - 0025**

SHEET 17 OF 23 SHEETS

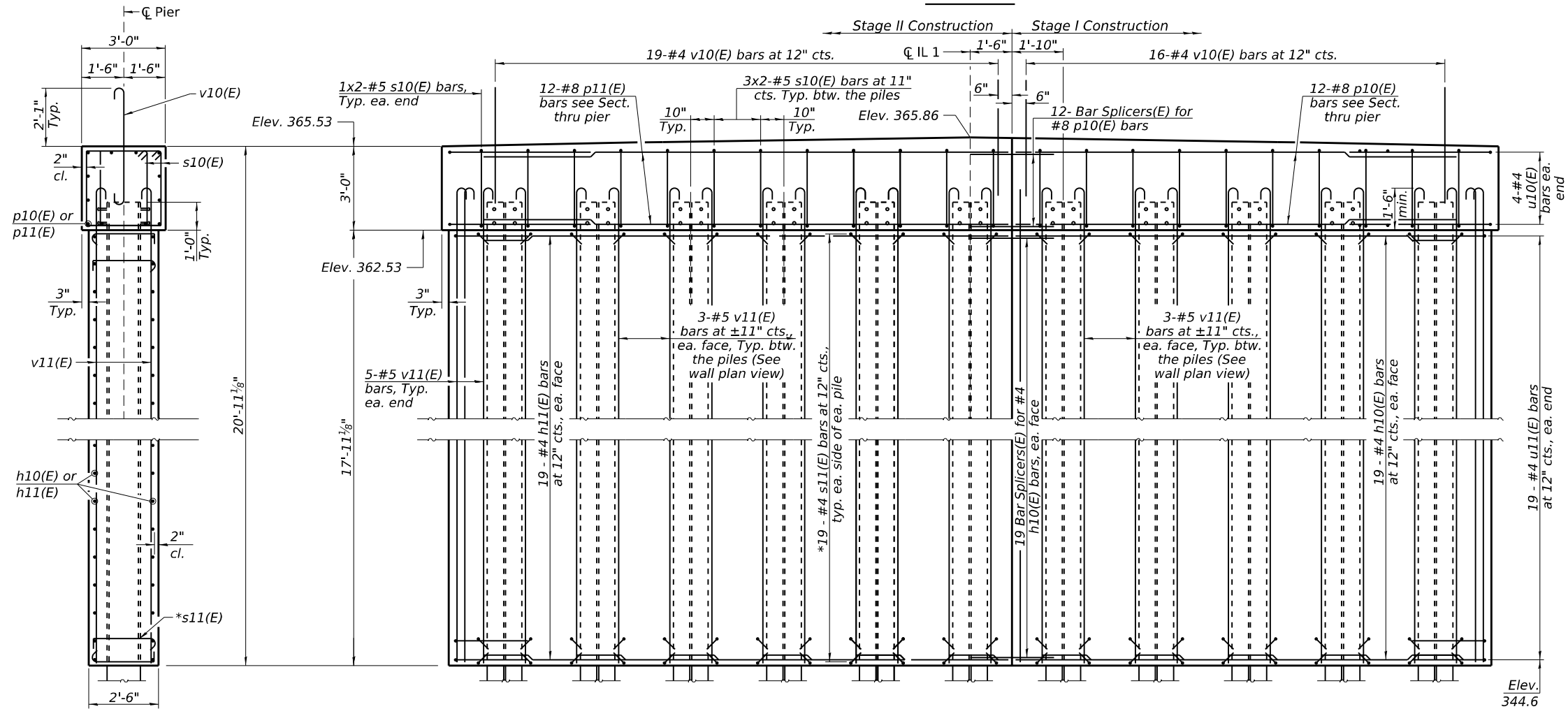
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	41
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

PILE DATA

Type: HP14x117
 Nominal Required Bearing: 929 kips
 Factored Resistance Available: 511 kips
 Est. Length: 51'
 No. Production Piles: 20
 No. Test Piles: 1 at each Pier



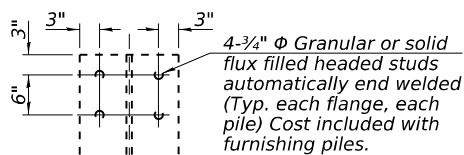
TOP PLAN



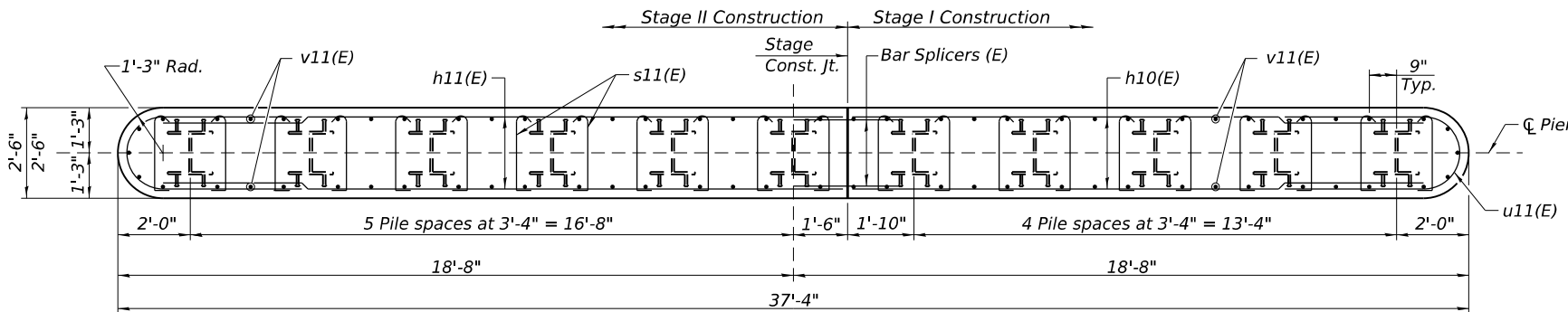
ELEVATION
(Looking South)

SECTION THRU PIER
(Looking East)

* Alternate the location of the 90° hook in adjacent rows. Hook s11(E) bars around h10(E) or h11(E) bars.



SEISMIC PILE DETAILS



WALL PLAN VIEW

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



Notes:
 Pier 2 is similar.
 See Sheet 19 of 23 for Cofferdam details, Reinforcement, & Bill of Material.
 For details of piles, see sheet 20 of 23.
 For Bar Splicer details, see sheet 21 of 23.

MODEL: 78147-042
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USER NAME =	DESIGNED - KES	REVISED -
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PLOT DATE = FEBRUARY 7th, 2025	DRAWN - VVR	REVISED -
	CHECKED - DHC	REVISED -

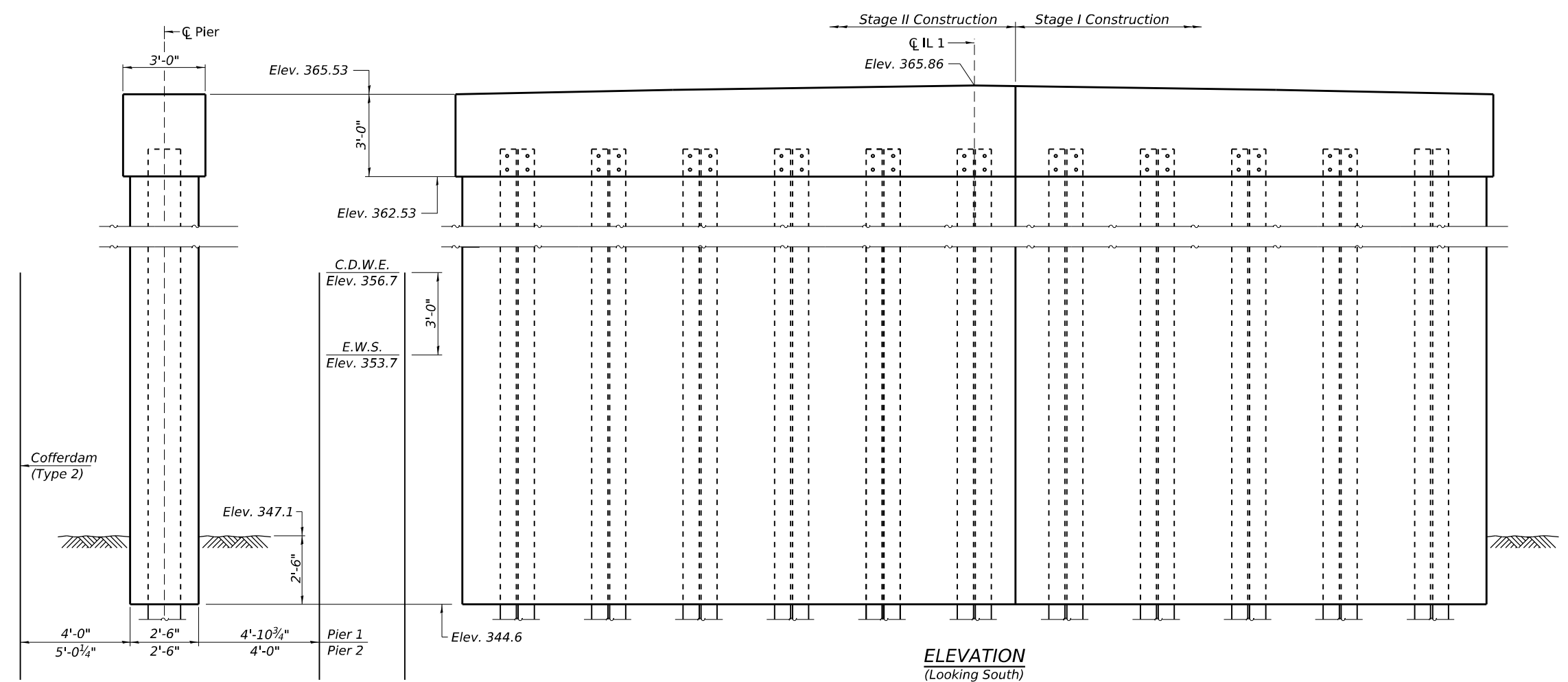
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIERS
STRUCTURE NO. 030 - 0025

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	42
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

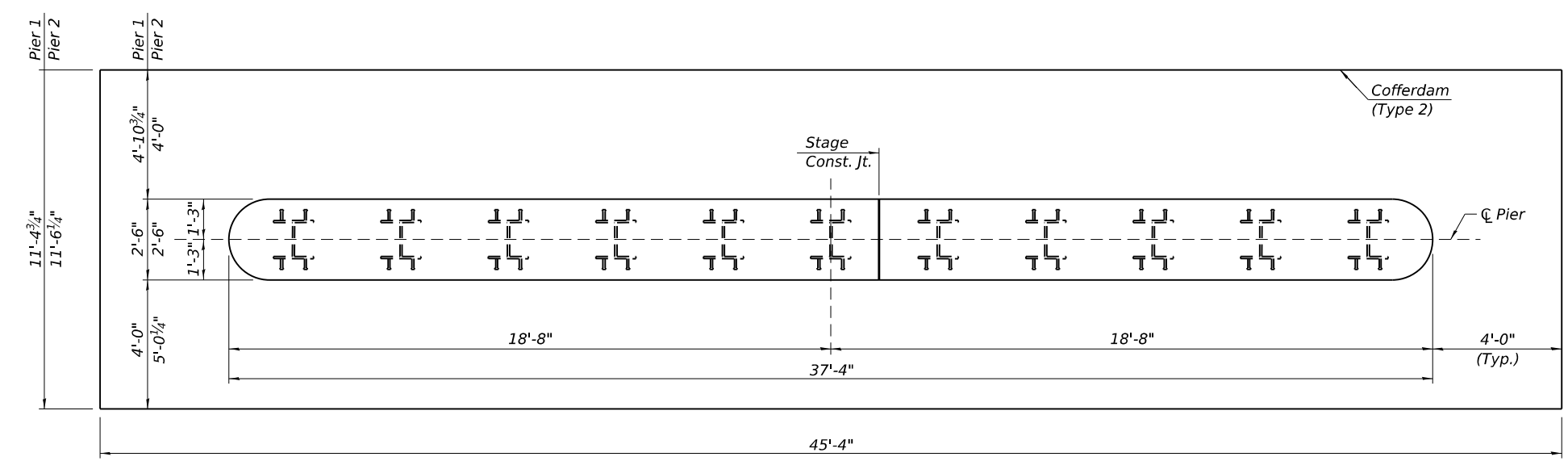
SHEET 18 OF 23 SHEETS

MODEL: 78147-043
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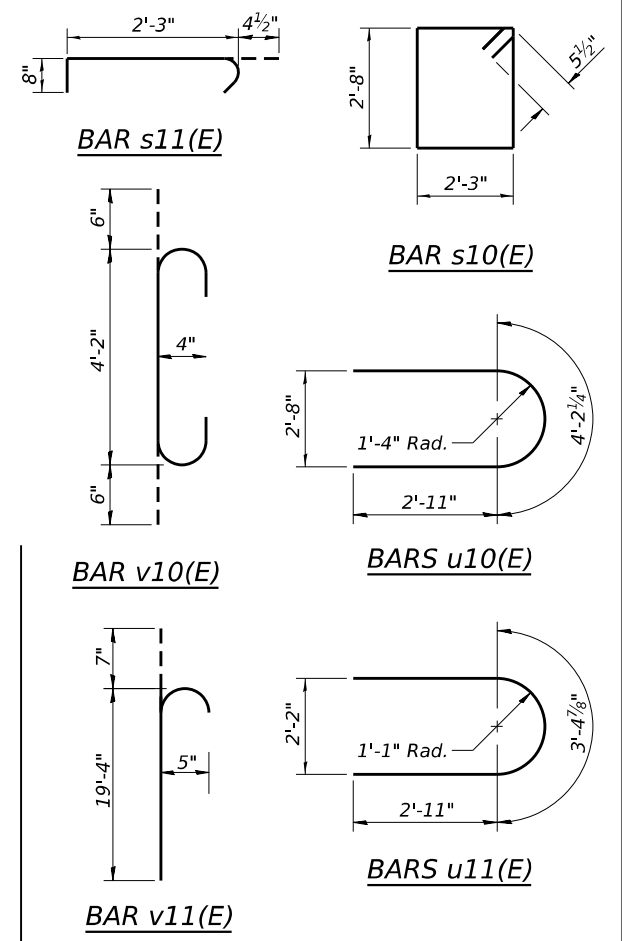


END VIEW
(Looking East)

ELEVATION
(Looking South)



WALL PLAN VIEW



BILL OF MATERIAL
TWO PIERS

Bar	No.	Size	Length	Shape
h10(E)	76	#4	15'-10"	—
h11(E)	76	#4	18'-10"	—
p10(E)	24	#8	15'-10"	—
p11(E)	24	#8	18'-10"	—
s10(E)	128	#5	10'-9"	□
s11(E)	836	#4	3'-4"	┌
u10(E)	16	#4	10'-0"	U
u11(E)	76	#4	9'-3"	U
v10(E)	70	#4	5'-2"	U
v11(E)	140	#5	19'-11"	U
Cofferdam Excavation		Cu. Yd.	212.0	
Cofferdam (Type 2) (Location 1)		Each	1	
Cofferdam (Type 2) (Location 2)		Each	1	
Concrete Structures		Cu. Yd.	148.4	
Reinforcement Bars, Epoxy Coated		Pound	11,000	
Furnishing Steel Piles HP14x117		Foot	1,020	
Driving Piles		Foot	1,020	
Test Pile Steel HP14x117		Each	2	

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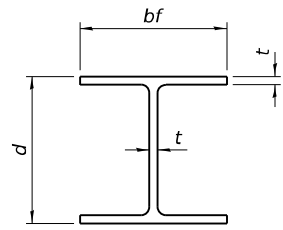
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PLOT SCALE =	CHECKED - DHC	REVISED -
PLOT DATE = JANUARY 20th, 2025	DRAWN - VVR	REVISED -
	CHECKED - DHC	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER DETAILS
STRUCTURE NO. 030 - 0025

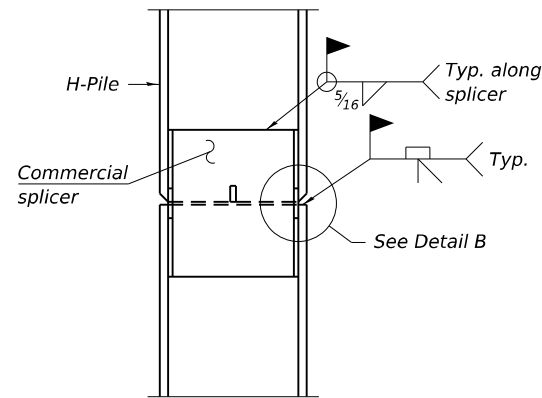
SHEET 19 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	43
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

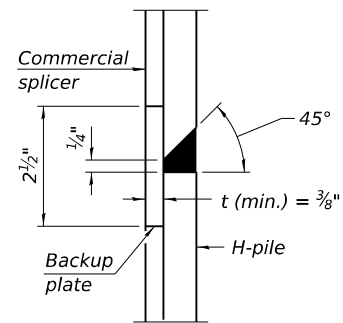


STEEL PILE TABLE

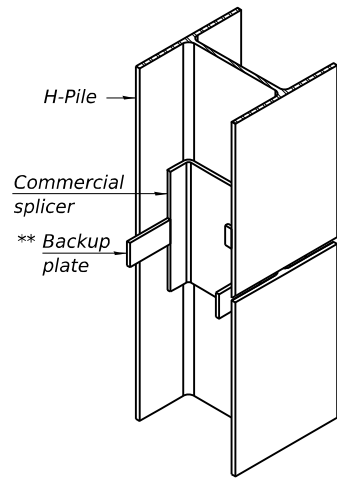
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 18x181	18	18	1	36"
x157	17 ³ / ₄ "	17 ⁷ / ₈ "	7/8"	36"
x135	17 ¹ / ₂ "	17 ³ / ₄ "	3/4"	36"
HP 16x183	16 ¹ / ₂ "	16 ¹ / ₂ "	1 ¹ / ₈ "	36"
x162	16 ¹ / ₄ "	16 ³ / ₈ "	1"	36"
x141	16	16	7/8"	36"
x121	15 ³ / ₄ "	15 ⁷ / 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 ³ / ₈ "	7/16"	24"
HP 8x36	8"	8 ¹ / ₈ "	7/16"	18"



ELEVATION

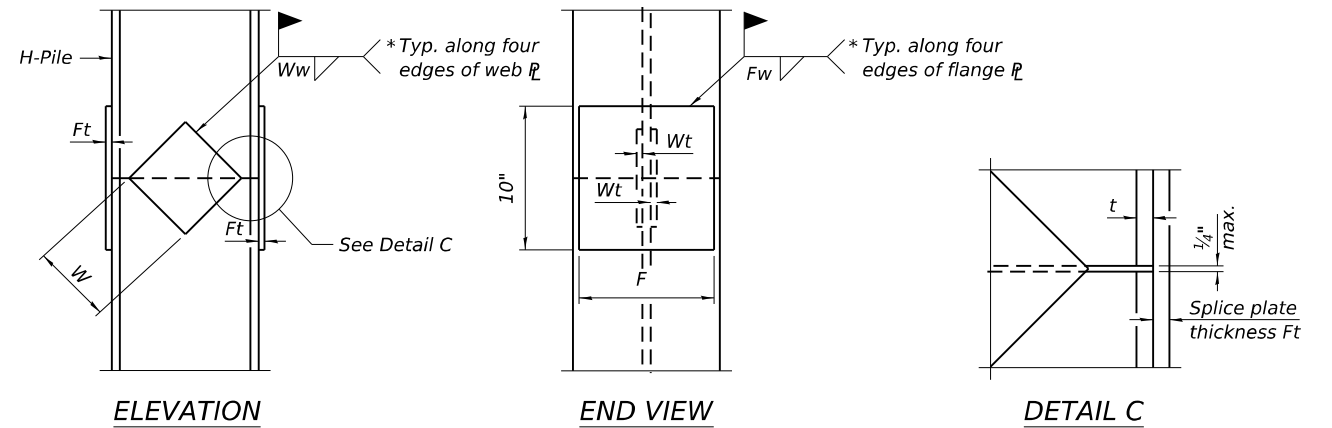


DETAIL B



ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



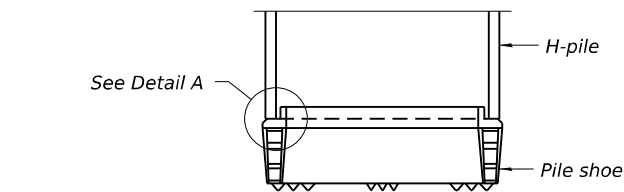
ELEVATION

END VIEW

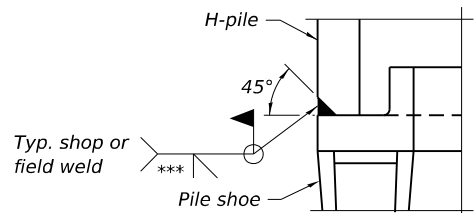
DETAIL C

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

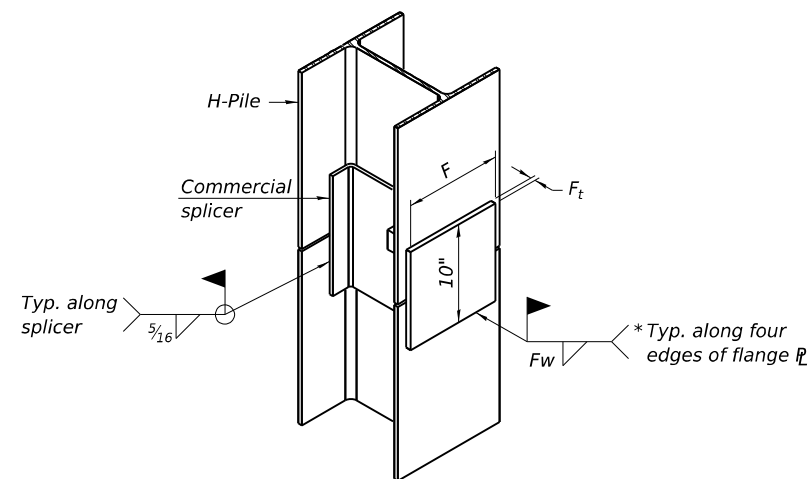


ELEVATION



DETAIL A

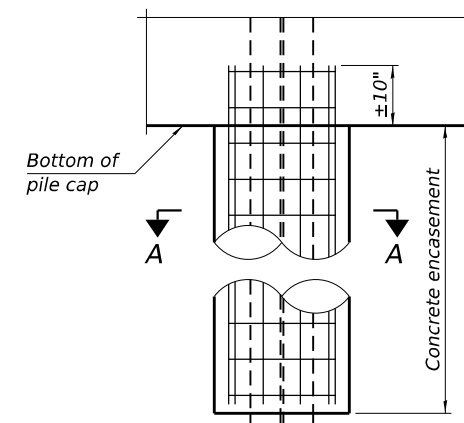
SHOE ATTACHMENT



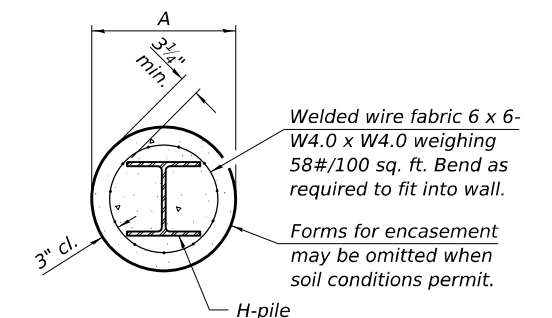
ISOMETRIC VIEW

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.

MODEL: 78147-044
FILE NAME: \\vspr-61\spshare\05000\0595-IL_DOT_District_9\0595-001-0006-IL_1_Crawford_Ph1_Gallatin_Co\CADD\CADD_Sheets\4978147-sh-structure.dgn

F-HP

 VEENSTRA & KIMM INC.
 Springfield, IL. Phone: (217)544-8033
 IL. Design Firm No. 184-001939

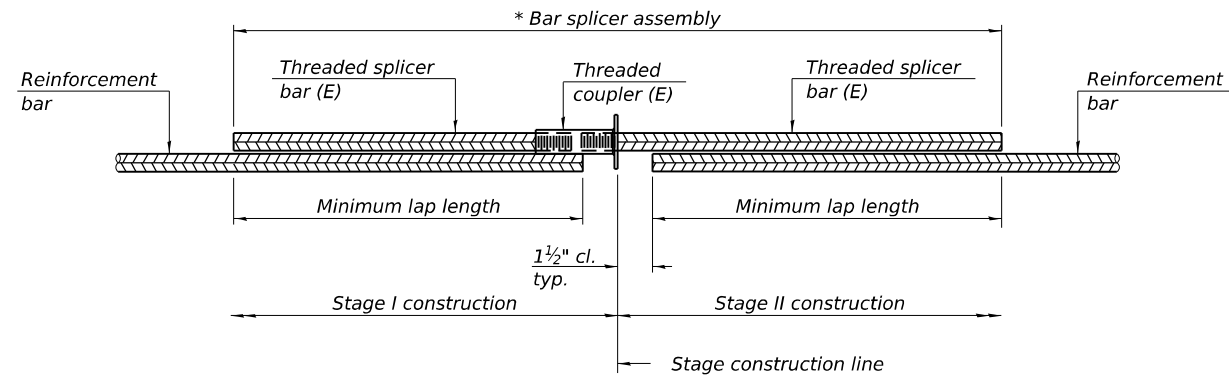
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PLOT SCALE =	CHECKED - DHC	REVISED -
PLOT DATE = JANUARY 20th, 2025	DRAWN - VVR	REVISED -
	CHECKED - DHC	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HP PILE DETAILS
STRUCTURE NO. 030 - 0025**

SHEET 20 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	44
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				



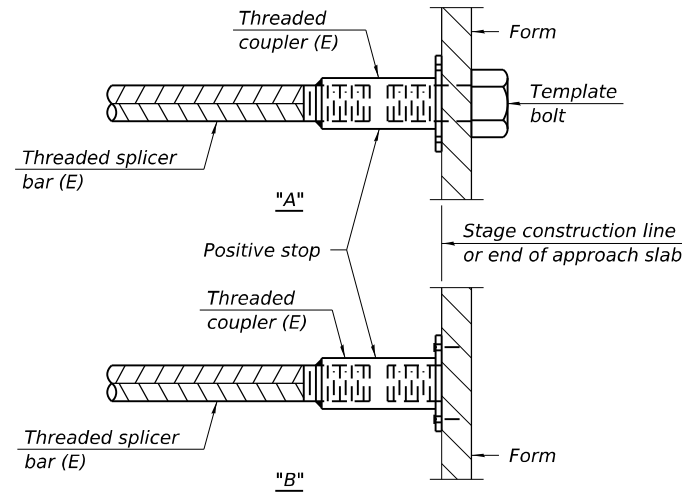
STANDARD BAR SPLICER ASSEMBLY PLAN

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

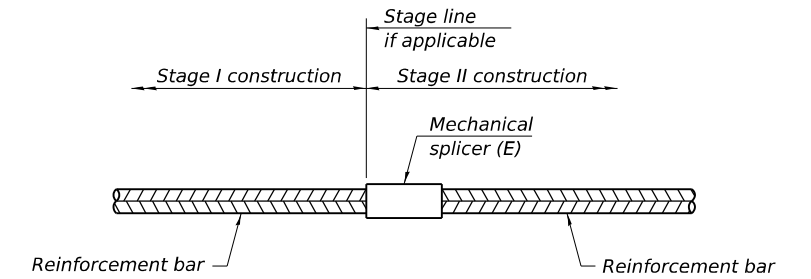
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Slab Bottom	#6	192	4'-10"
Slab Top	#6	168	4'-0"
Slab over Abutments	#5	6	3'-6"
Slab over Piers	#5	6	3'-6"
Approach Slab Top	#5	92	3'-4"
Approach Slab Bottom	#8	120	4'-9"
Approach Slab Footing	#5	80	3'-4"
Abutment Caps	#7	24	5'-0"
Pier Caps	#8	24	5'-9"
Pier Walls	#4	76	2'-11"



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: 78147-045
 FILE NAME: \\vspr-61\spshare\0500\0595-IL_DOT_District_9\0595-001-0006-IL_1_Crawford_Ph1_Gallatin_Co\CADD\CADD Sheets\878147-sh-structure.dgn
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BSD-1 5-15-2023



USER NAME =	DESIGNED - KES	REVISED -
PLOT SCALE =	CHECKED - DHC	REVISED -
PLOT DATE = JANUARY 20th, 2025	DRAWN - VVR	REVISED -
	CHECKED - DHC	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 030 - 0025**

SHEET 21 OF 23 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	45
CONTRACT NO. 78147			ILLINOIS FED. AID PROJECT	

SOIL BORING LOG

ROUTE FAP 782 (IL 1) DESCRIPTION IL-1 over Crawford Creek LOGGED BY R Moberly
SECTION 111-B-2 LOCATION 4.3 miles North of IL 13
COUNTY Gallatin Counry DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Station	BORING NO. Station Offset	D E P T H	B L O W S	U C S Qu	M O I S T S	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T S
		(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
030-0019 648+03.29'	1-S 646+84 7.0 ft LT 367.40					19.50				
						Groundwater Elev.: First Encounter 332.4 ft Upon Completion 322.4 ft After ___ Hrs. ___ ft				
Asphalt						Stiff, moist, grey mottled brown, Clay A7-6 (continued)		2	1.0	29
366.4								2	B	
Very dense, damp, grey, crushed Limestone Gravel						Stiff, moist, brown mottled grey, Silty Clay A-6		1		
							3	1.6	24	
							3	B		
360.4										
Concrete pavement						Very stiff, moist, brown mottled grey, Clay A7-6		2		
359.9							-25	5	3.3	24
								8	B	
360.4								1		
Soft, moist, brown, Sand Loam A-4						Medium, very moist, grey, Silty Clay A-6		2	0.7	34
							-30	3	B	
355.4										
Stiff, moist, grey mottled brown, Clay A7-6						Medium to stiff, very moist, grey, Silty Clay to Clay A7-6		1	1.0	30
								2	B	
352.9										
Very stiff, moist, grey, Clay A7-6						Medium to soft, very moist, grey, Silty Clay A-6		1	0.5	26
							-35	3	B	
								4		
350.4										
Stiff, moist, grey mottled brown, Clay A7-6								1	0.3	21
								2	B	
								3		
327.9								2		
							-40			

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)

SOIL BORING LOG

ROUTE FAP 782 (IL 1) DESCRIPTION IL-1 over Crawford Creek LOGGED BY R Moberly
SECTION 111-B-2 LOCATION 4.3 miles North of IL 13
COUNTY Gallatin Counry DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. Station	BORING NO. Station Offset	D E P T H	B L O W S	U C S Qu	M O I S T S	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T S
		(ft)	(/6")	(tsf)	(%)	ft	(ft)	(/6")	(tsf)	(%)
030-0019 648+03.29'	1-S 646+84 7.0 ft LT 367.40					19.50				
						Groundwater Elev.: First Encounter 332.4 ft Upon Completion 322.4 ft After ___ Hrs. ___ ft				
Very stiff, moist, grey, Clay Loam to Sandy Clay Loam A-4 (continued)							13	2.5	18	
								19	S	
322.9								7		
Hard, damp, grey and brown, weathered Clay Shale							-45	15		
								16		
319.4										
Hard, dry, grey, Clay Shale										
								100/3"		
							-50			
								100/3"		
							-55			
307.4								100/3"		
							-60			

End of Boring
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)

MODEL: 78147-046
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SOIL BORING LOG

ROUTE FAP 782 (IL 1) DESCRIPTION IL-1 over Crawford Creek LOGGED BY R Moberly

SECTION 111-B-2 LOCATION 4.3 miles North of IL 13

COUNTY Gallatin Counry DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev.	Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
BORING NO.	Station	H	Qu	T		Groundwater Elev.:	First Encounter	H	S	Qu	T
	Offset	(ft)	(/6")	(tsf)	(%)	Upon Completion	After	(ft)	(/6")	(tsf)	(%)
	648+03.29'					19.50 ft					
	7.0 ft RT					327.4 ft					
	367.40 ft										
Asphalt	366.9					Very Stiff, moist, grey mottled brown, Clay A7-6 (continued)		3	3.1	22	
Very Dense, damp, grey, crushed Limestone aggregate		9						6	B		
		25						2			
		28						8	3.9	18	
	362.9							9	B		
Medium dense, moist, grey, crushed limestone aggregate								2			
		7						3	3.9	21	
		18						9	B		
	360.9							2			
Concrete	360.4							3	3.9	21	
Soft, very moist, grey, Silty Clay Loam A-4		7						9	B		
		1						2			
		1	0.4		23			4	2.3	26	
		1	B					6	B		
	357.9					Stiff, moist, grey, Clay A7-6		1			
Stiff, moist, brown and grey, Silty Clay A-6		1			16			3	1.9	27	
		2	1.1					5	B		
		3	B								
	355.4					Medium, very moist, grey, Clay A7-6		1			
Medium, very moist, grey, Silty Clay to Silty Clay Loam A-6		1	0.8		26			1	0.9	34	
		2	B					1	B		
		3									
	352.9					Soft, very moist, grey, Clay A7-6		1			
Stiff, moist, grey, Clay A7-6		1			20			WH			
		3	1.3					WH	0.3	39	
		3	B					1	B		
	350.4					Medium, very moist, grey, Clay A7-6		1			
Very Stiff, moist, grey mottled brown, Clay A7-6		1	2.3		24			2	0.9	30	
		4	B					2	B		
		6									
	327.9					Soft very, moist, grey, Clay A7-6		1			
		1						WH			

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)



SOIL BORING LOG

ROUTE FAP 782 (IL 1) DESCRIPTION IL-1 over Crawford Creek LOGGED BY R Moberly

SECTION 111-B-2 LOCATION 4.3 miles North of IL 13

COUNTY Gallatin Counry DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev.	Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
BORING NO.	Station	H	Qu	T		Groundwater Elev.:	First Encounter	H	S	Qu	T
	Offset	(ft)	(/6")	(tsf)	(%)	Upon Completion	After	(ft)	(/6")	(tsf)	(%)
	648+03.29'					19.50 ft					
	7.0 ft RT					327.4 ft					
	367.40 ft										
Soft very, moist, grey, Clay A7-6 (continued)								WH	0.3	40	
		1						1	B		
	322.4							WH			
Very soft, very moist, grey, Clay A7-6		1			24			WH	0.2	24	
		1						1	B		
	318.9					Hard, damp, grey, Clay A7-6 to weathered Clay Shale		4			
		13			21			20	5.0	21	
		20							S		
	311.9							8			
Hard, dry, grey, Clay Shale		18						18			
		54						54			
End of Boring											

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)

MODEL: 78147-047
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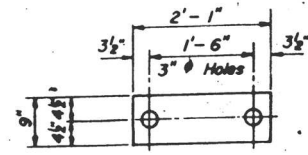
VEENSTRA & KIMM INC.
Springfield, IL. Phone: (217)544-8033
IL. Design Firm No. 184-001939

USER NAME =	DESIGNED - KES	REVISED -
CHECKED - DHC	REVISED -	
PLOT SCALE =	DRAWN - VVR	REVISED -
PLOT DATE = JANUARY 20th, 2025	CHECKED - DHC	REVISED -

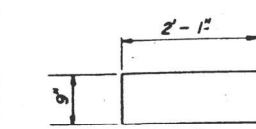
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOG - 2
STRUCTURE NO. 030 - 0025**

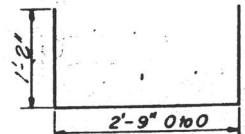
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	47
CONTRACT NO. 78147			ILLINOIS FED. AID PROJECT	



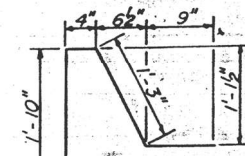
FABRIC BEARING PAD



GRAPHITED ASBESTOS BEARING PAD



U BAR



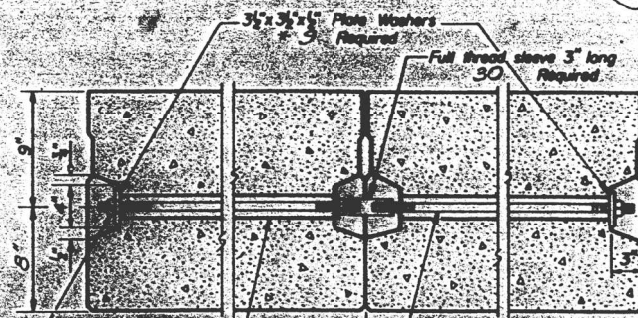
D BAR



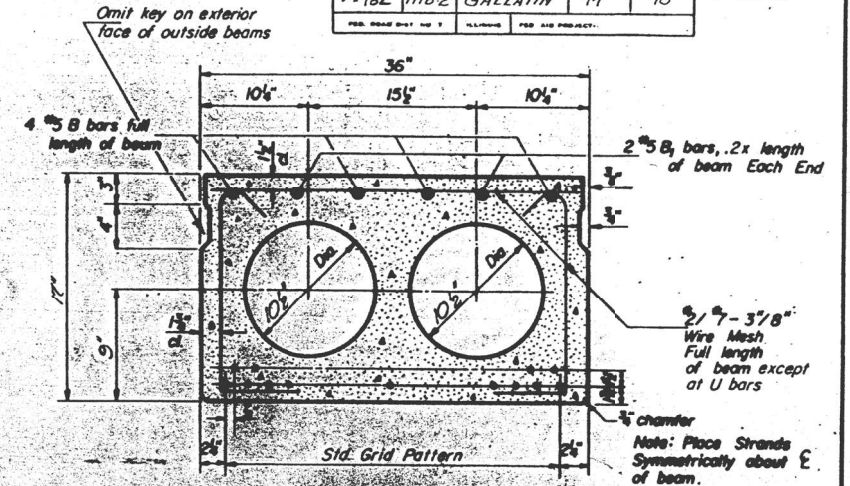
U BAR



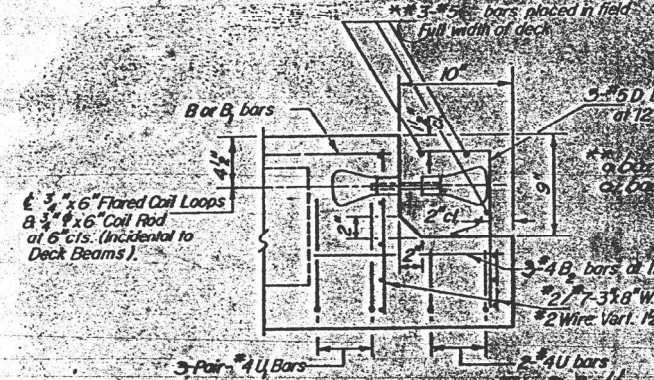
D BAR



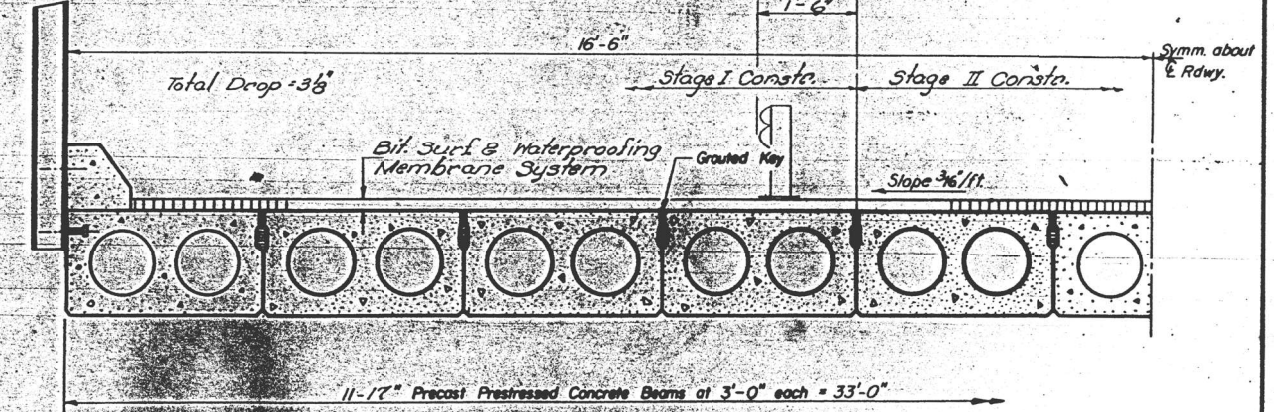
TYPICAL TRANSVERSE TIE ASSEMBLY



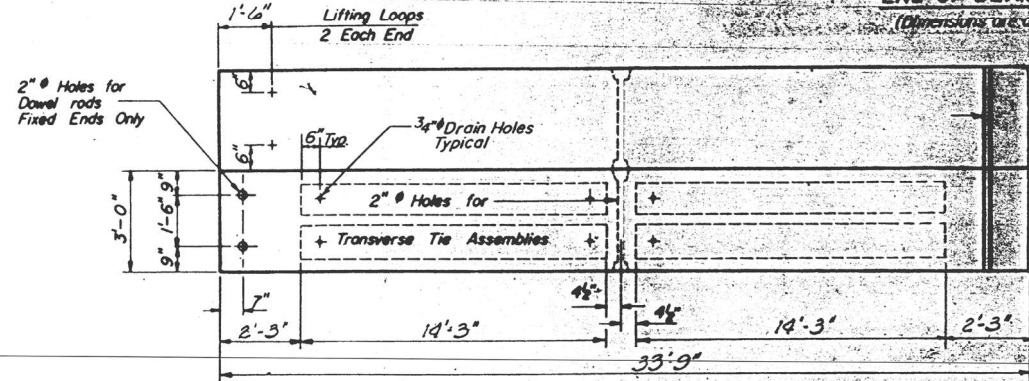
TYPICAL SECTION



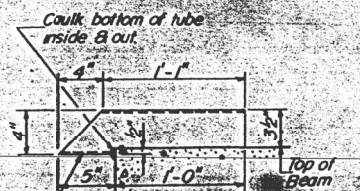
END OF BEAM (EXP. END)



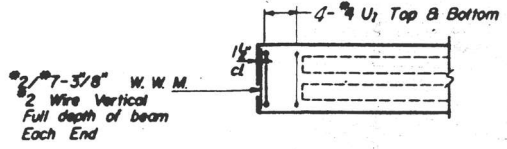
HALF CROSS SECTION (Looking North)



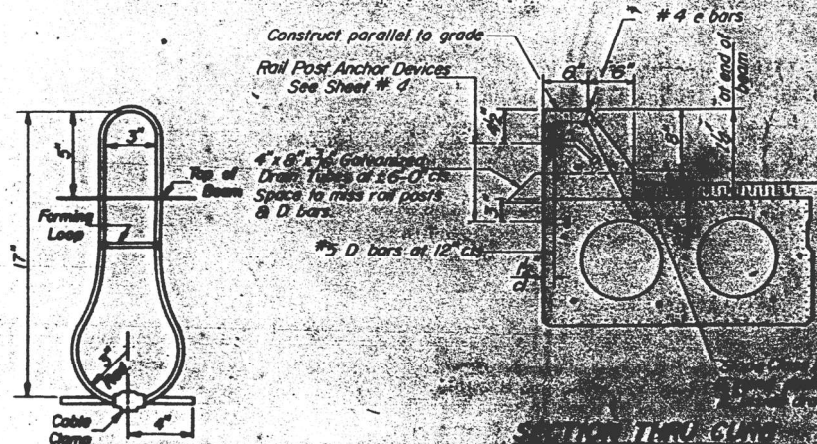
PLAN



DRAIN DETAIL



END PLAN Fixed End



LIFTING LOOP DETAIL

GENERAL NOTES

Prestressing steel shall be...
The nominal concrete shall be...
Lifting loops shall be...
The 1/2" holes in the transverse tie assemblies shall be...
The holes in the transverse tie assemblies shall be filled with...
The holes in the transverse tie assemblies shall be filled with...
The holes in the transverse tie assemblies shall be filled with...
The holes in the transverse tie assemblies shall be filled with...
The holes in the transverse tie assemblies shall be filled with...

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a	0	#5	19'-3 1/4"	—
a1	0	#5	20'-9"	—
Precast Prestressed Concrete Deck Beams (11')		Sq. Ft.	3341	
Class X Concrete		Cu. Yds.	1.5	
Reinforcement Bars		Lbs.	210	

DESIGNED: John Schneller
CHECKED: Ho-Yuan Lee
DRAWN: J. SCHNELLER
CHECKED: Lee
EXAMINED: [Signature]
PASSED: [Signature]
Richard H. Yosterman

SUPERSTRUCTURE
SPT BEAM NO. 500-1118-2
GALLATIN COUNTY
STA. 607+35.2

MODEL: Default
 FILE NAME: \\wsp-161\share\050000595-IL_DOT_District_910595-0001-0006-IL_1_Crawford_Ph1_Gallatin_Co\CADD\CADD_Sheets\4978147-shi-structure-existing.dgn
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VEENSTRA & KIMM INC.
Springfield, IL Phone: (217)544-8033
IL Design Firm No. 184-001939

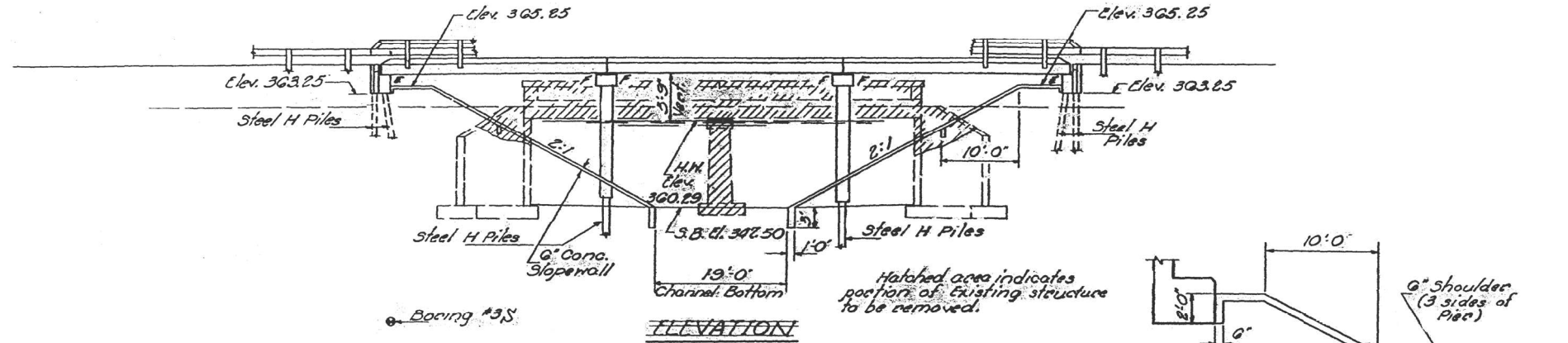
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PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	49
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

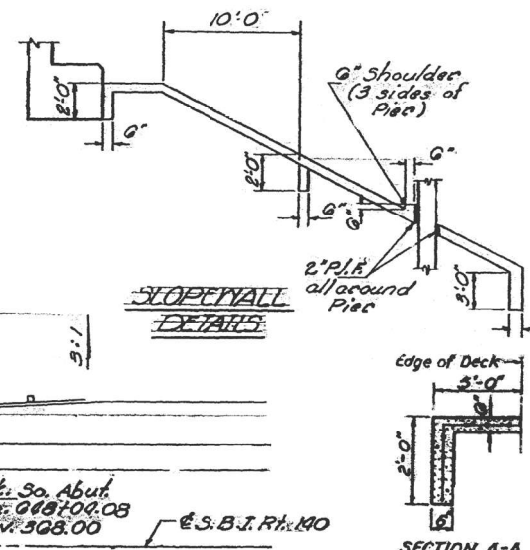
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
111B-2	GALLATIN	94	44	7

BM: 0" Cuf in S.E. Wingwall 15' Lt. Sta. 047182 El. 362.24
Existing Structure: R.C. Slab with R.C. Closed Abuts.
built as Sec. 111B S.B.I. Rt. 140 at
Sta. 047152 in 1929. Existing structure
to be replaced utilizing Stage Const.
to maintain traffic at all times.
No Salvage.



GENERAL NOTES

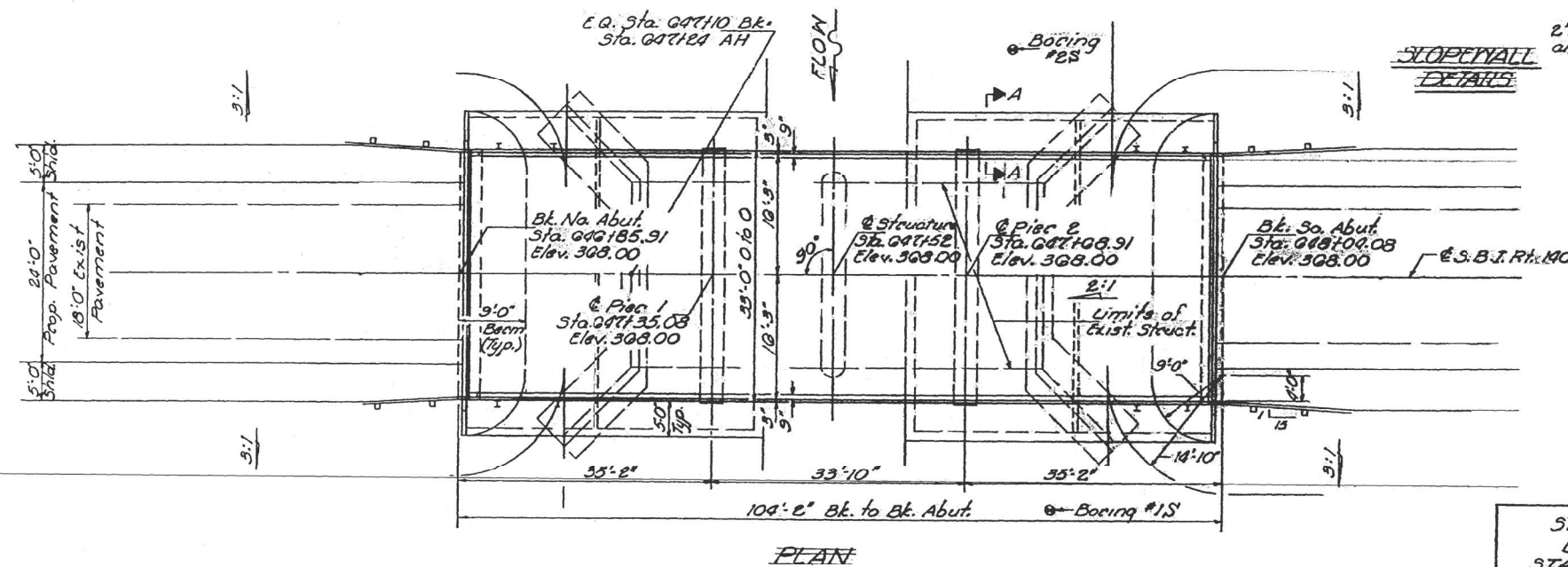
- Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, weighing 58# per 100 sq. ft.
- Layout of slope walls may be varied in the field to suit ground conditions as directed by the Engineer.
- The top surface of the beams shall be finished in accordance with Article 505.06 of the Standard Specifications except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with sharp corners.
- The Contractor shall drive four Steel H test piles in a permanent location one each at the Abutments & Piers as directed by the Engineer before starting the remainder of piles.
- Protective Coat shall not be applied to surfaces to which Waterproofing Membrane System is applied.
- All structural steel shall be shop painted with two coats of basic lead silico chromate paint.



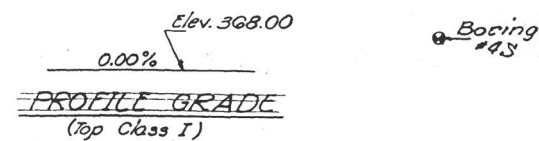
TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Bituminous Concrete Surface Course, Class I	Tons	53		53
Steel Piles (10" Dia)	Lin. Ft.		1182	1182
Steel Piles (12" Dia)	Each		1	1
3" Dia. (10')	Sq. Yds.		530	530
Portland Cement Mortar Fining Cse	Sq. Ft.	1013		1013
Class X Concrete	Cu. Yds.	8.3	119.6	127.9
Structural Steel	Tons	2420		2420
Precast Prestressed Concrete Deck Beams (UT)	Sq. Ft.	3361		3361
Steel Railing Type I	Lin. Ft.	203		203
Reinforcement Bars	Lbs.	470	9670	10140
Removal of Existing Structures No 1	Each		1	1
Waterproofing Membrane System	Sq. Yds.	354		354
Name Plates	Each		1	1
Preformed Joint Sealer (2 1/2")	Lin. Ft.	66		66
Temporary Guard Rail	Lin. Ft.	104		104

* See Special Provisions.



STATION 047152
BUILT 19 BY
STATE OF ILLINOIS
F.A. RT 140 SEC. 111B-2
LOADING HS 80
STR. NO. **
NAME PLATES
(See Std. 2113)
** Structure Number to be
supplied by District.



DESIGNED	J. Schaeffer
CHECKED	A. H. Lee
DRAWN	J. SCHAEFFER
CHECKED	Lee

DECEMBER 21 1972
EXAMINED
PASSED
APPROVED

WATERWAY INFORMATION

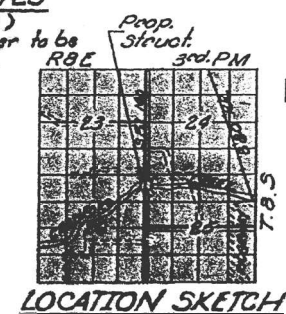
Drainage Area	9046 Acres
Req'd. Opening	520 Sq. Ft.
Present Opening	555 Sq. Ft.
Prop. Opening	520 Sq. Ft.
Q ₅₀	2700 cfs

PRECAST PRESTRESSED CONCRETE

f_c = 5000 psi
f_t = 1000 psi
f_s = 270,000 psi (Strands)
f_s = 180,000 psi (Strands)
Allow 25% Sp. Ft. Future H.S.

FIELD UNITS

f_c = 1400 psi (Sub & Curb)
f_s = 20,000 psi (Reinf.)
v_c = 75 psi (Ftg.)
n = 10



GENERAL PLAN & ELEVATION
GALLATIN CREEK
CRAWFORD CREEK

Rev. W.H. 3-8-75
Rev. R.F.R. 10-7-77

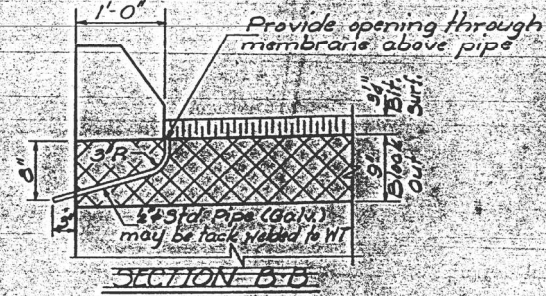
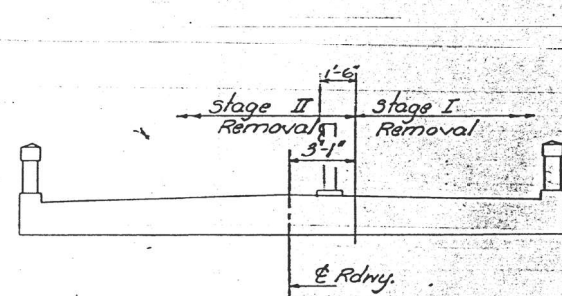
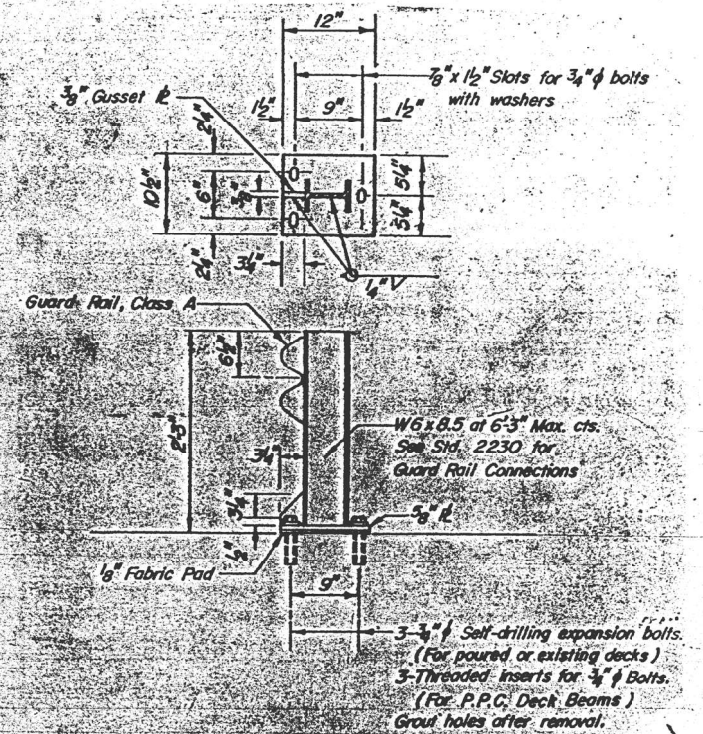
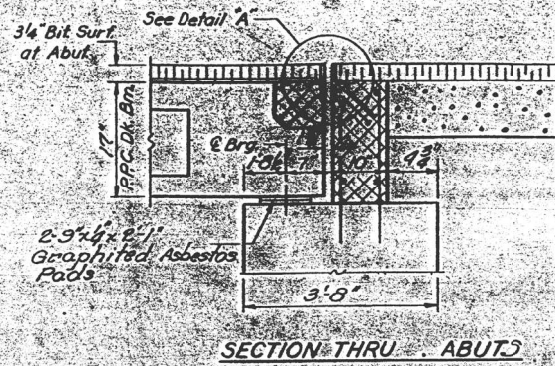
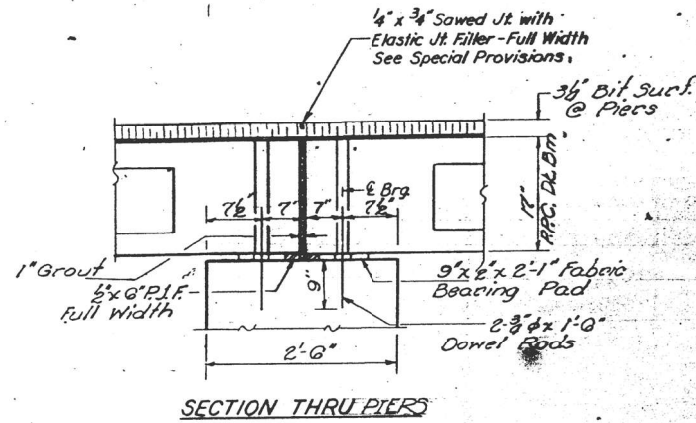
USER NAME =	DESIGNED -	REVISIONS -
PLOT SCALE =	CHECKED -	REVISIONS -
PLOT DATE =	DRAWN -	REVISIONS -
	CHECKED -	REVISIONS -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	48
			CONTRACT NO. 78147	
			ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

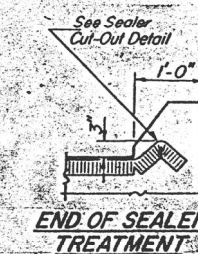
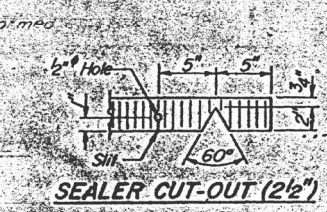
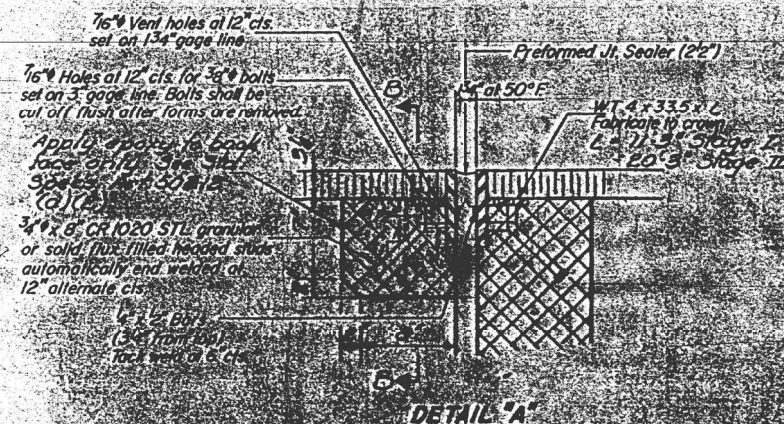
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111B-2	GALLATIN	94	46
ILLINOIS			FED. AID PROJECT	

SHEET NO. 3
7 SHEETS



NOTE:
Cross hatched area to be poured after beams are in place. Class A Concrete & Reinforcement Bar quantities are billed with the abutment.

NOTE:
See Special Provisions
Overlap Stage I Waterproofing with Stage II Waterproofing.



DESIGNED: John Schneller
CHECKED: [Signature]
DRAWN: J. SCHNELLER
CHECKED: [Signature]

EXAMINED: [Signature]
PASSED: [Signature]

NOTE:
1. All beams have been erected.
2. All concrete has been placed in the form work.
3. See End of beam detail for reinforcement.

SUPERSTRUCTURE DETAILS
SHEET NO. SEC. 111B-2
GALLATIN COUNTY
STA. 646+52

MODEL: Default
FILE NAME: \\spsr-fs1\share\05000595-IL_DOT_District_90595-0001-0006-IL_1_Crawford_Ph1_Gallatin_Co\CADD\CADD Sheets\978147-sh-structure-existing.dgn
11/7/2025 10:20:22 AM

W-SR-D (11-15-71)

VEENSTRA & KIMM INC.
Springfield, IL Phone: (217)544-8033
IL Design Firm No. 184-001939

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE SHEETS
STRUCTURE NO. 030-0019

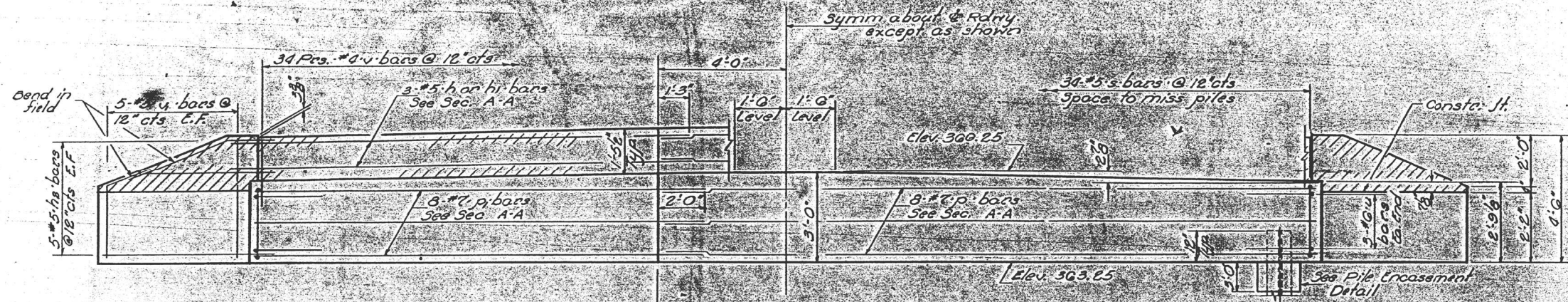
SHEET \$SHTS OF x SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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ILLINOIS			FED. AID PROJECT	

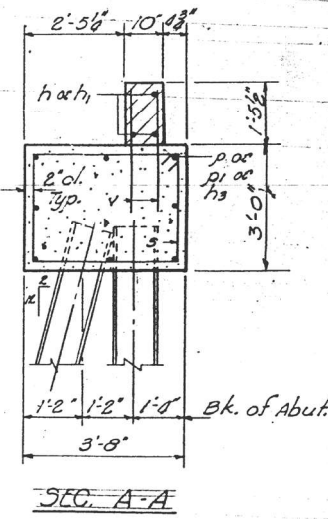
CONTRACT NO. 78147

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

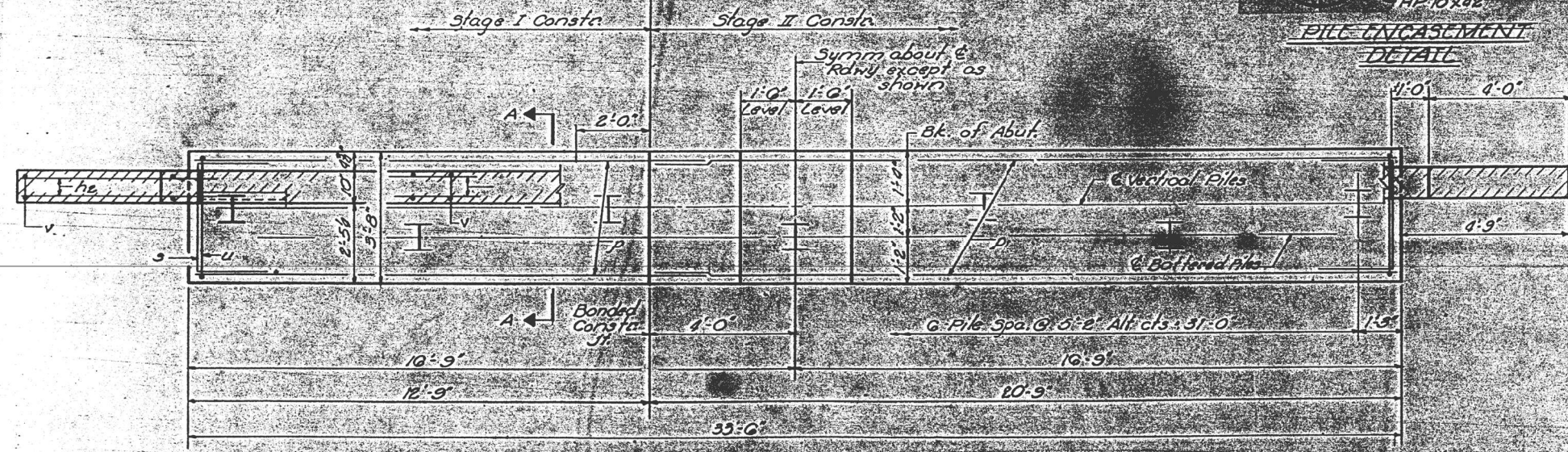
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111B-2	GALLATIN	94	48
SHEETS				



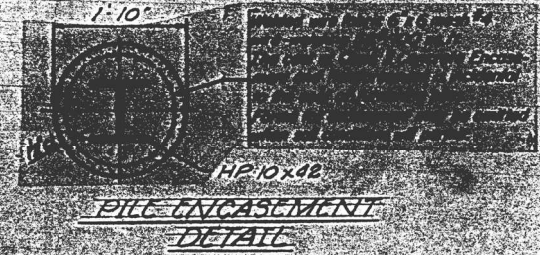
ELEVATION



SEC. A-A



PLAN



PILE ENCASEMENT
DETAIL

TWO ABUTMENTS
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h	0	#5	14'-0"	—
h1	0	#5	21'-0"	—
h2	40	#5	6'-0"	—
p	10	#7	20'-0"	—
pl	10	#7	18'-0"	—
s	20	#5	12'-5"	□
u	12	#0	8'-5"	□
v	150	#0	3'-0"	—
vi	40	#5	3'-10"	—
Class 1 Concrete			Cu Yds	31.4
Reinforcement Bars			Lbs	3080
Steel Piles (HP10x42)			Lin. Ft	388
Test Piles (Steel)			Ca.	2

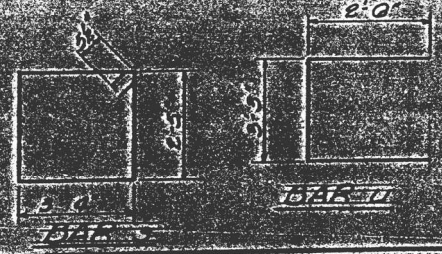
PILE DATA
 Type Steel Piles, HP 10x42
 Capacity Drive to Refusal
 Est Length 45 No. Abut.
 55 So. Abut.
 No. Req'd. 12 plus two
 test piles

DESIGNED *J. Schneller*
 CHECKED *J. Schneller*
 DRAWN *J. Schneller*
 CHECKED *Lee*

EXAMINED *W. Brummen*
 PASSED *W. Brummen*
W. Brummen

Hatched area to be poured after
 beams are in place.
 All edges shall have standard 3' chamfer
 except as noted.

Staging shown for North Abutment
 Staging on opposite side South Abut.



ABUTMENTS
 30'
 30'
 30'

MODEL: Default
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 1/17/2025 10:21:19 AM

VEENSTRA & KIMM INC.
 Springfield, IL Phone: (217)544-8033
 IL Design Firm No. 184-001939

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DRAWN -	REVISED -
	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING STRUCTURE SHEETS
STRUCTURE NO. 030-0019

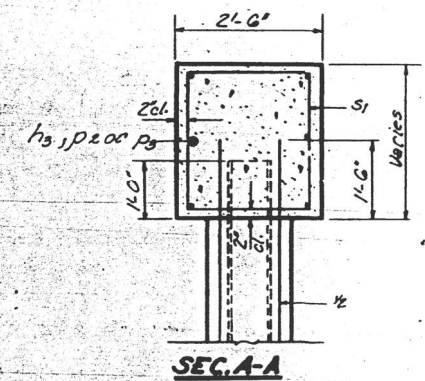
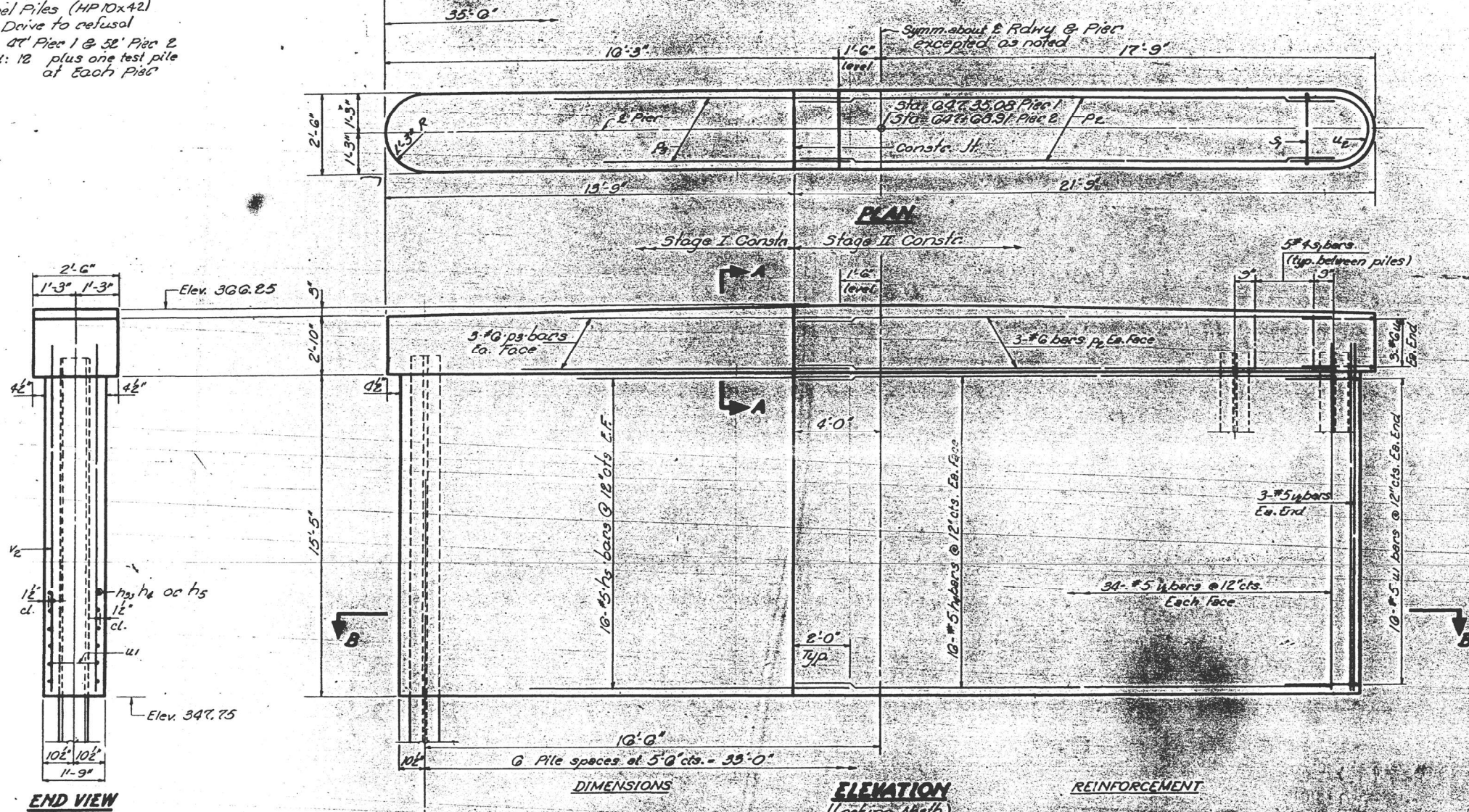
SHEET \$SHTS OF x SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	51
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PILE DATA

Type: Steel Piles (HP10x42)
Capacity: Drive to refusal
Est. length: 47' Pier 1 & 52' Pier 2
No. Required: 12 plus one test pile at Each Pier



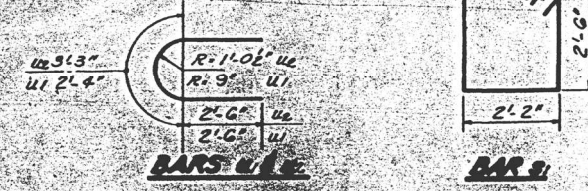
Note: All edges shall have Std. 1/4" chamfers.

**TWO PIERS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h1	64	#5	20'-0"	—
h5	64	#5	14'-0"	—
pe	12	#6	20'-0"	—
ps	12	#6	14'-0"	—
s1	60	#4	10'-1"	□
u1	64	#5	7'-4"	C
u2	12	#0	8'-3"	C
v2	140	#5	10'-9"	—
Class X Concrete		Cu. Yds	66.8	
Reinforcement Bars		Lbs.	6590	
Steel Piles (HP10x42)		Lbs.	384	
Test Piles Steel		Each	2	

DESIGNED: John Schelller
CHECKED: Ann-Maria Lee
DRAWN: J. SCHNELLER
CHECKED: Lee

EXAMINED: [Signature]
PASSED: [Signature]
Richard H. Hollerman

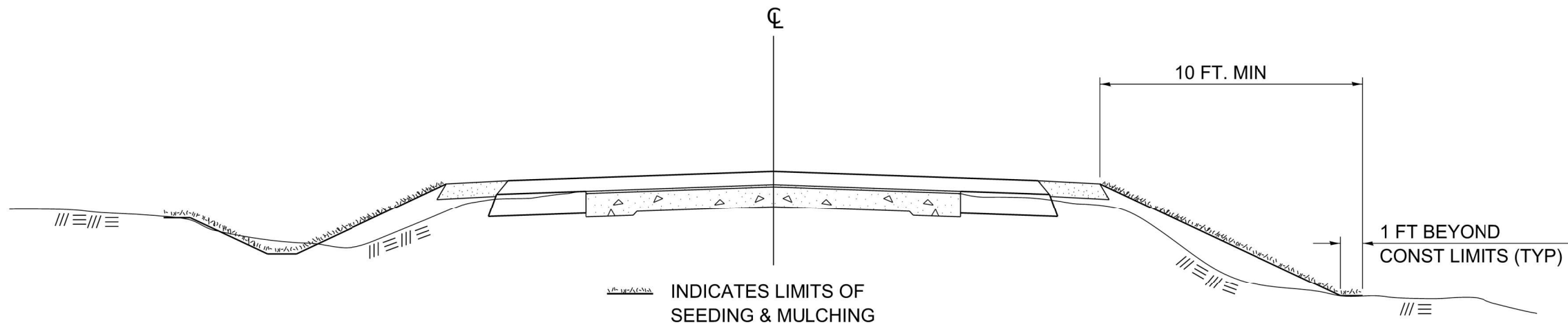


PIERS
START 100' SEC 110' E
GALLATIN COUNTY
STA. 0+71.5P

W-P-1 (5-15-71)

MODEL: Default
FILE NAME: \\spsr-fs1\share\05000595-IL_DOT_District_90595-0001-0006-IL_1_Crawford_Ph1_Gallatin_Co\CADD\CADD Sheets\978147-sh-structure-existing.dgn

SEEDING & MULCHING



GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

ON DETOUR ROADS, SLOPES SHALL BE SEEDED IMMEDIATELY UPON COMPLETION OF ANY GIVEN STAGE GRADING. TEMPORARY SEEDING SHALL BE CLASS 7.

FERTILIZER NUTRIENTS SHALL BE APPLIED TO ALL SEEDED AREAS.
LIMESTONE SHALL BE APPLIED TO ALL AREAS OF FINAL SEEDING.

THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS FOR ROAD AND BRIDGE CONSTRUCTION.

SECTIONS 250 AND 251 SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

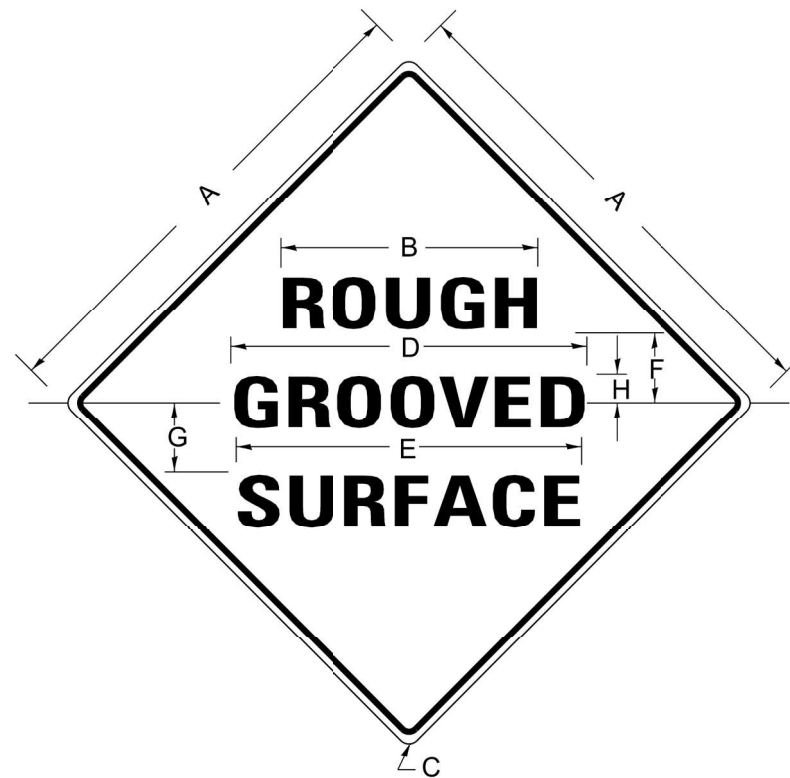
DRAWN	02-15-89
REVISED	03-27-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-19

MODEL: D:\default\... CoCAD\CADD Sheets\978147-sh-SeedMulch.dgn

USER NAME = ckohlrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 60.000' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 1/17/2025	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

ILLINOIS STANDARD ROUGH GROOVED SURFACE SIGN



COLORS

LEGEND AND BORDER- BLACK NON-REFLECTORIZED
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

NOTES

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

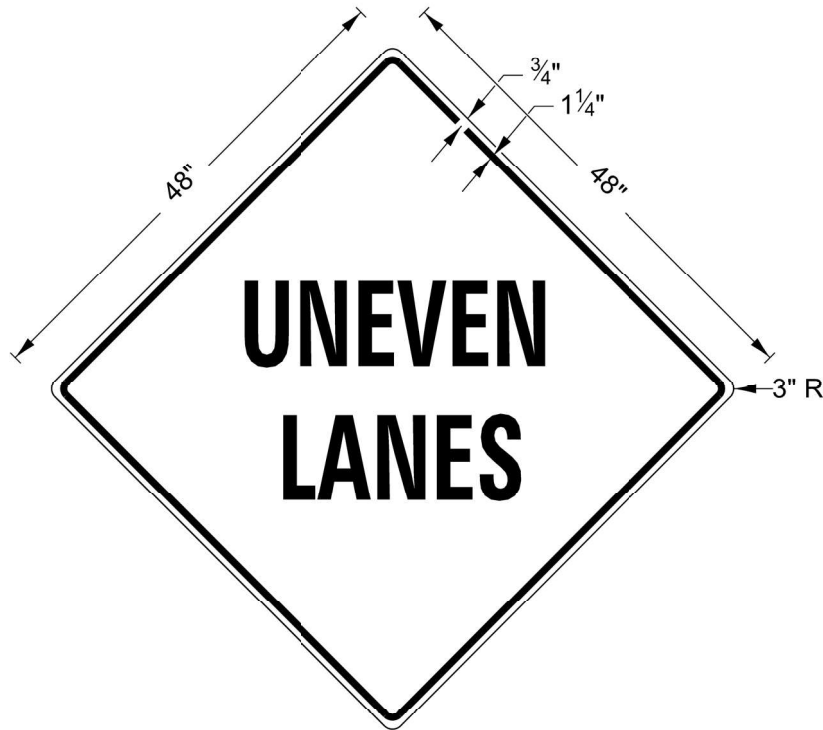
DRAWN	02-15-89
REVISED	03-27-08
REVISED	10-21-21
REVISED	05-27-22

STD. 9-23

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UNEVEN LANES SIGN

W8-11 (48" X 48")



COLORS:

LEGEND AND BORDER - BLACK NON-REFLECTORIZED
 BACKGROUND - ORANGE REFLECTORIZED

NOTE: PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

DRAWN	02-15-89
REVISED	05-08-08
REVISED	10-21-21
REVISED	05-27-22

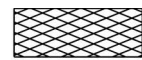
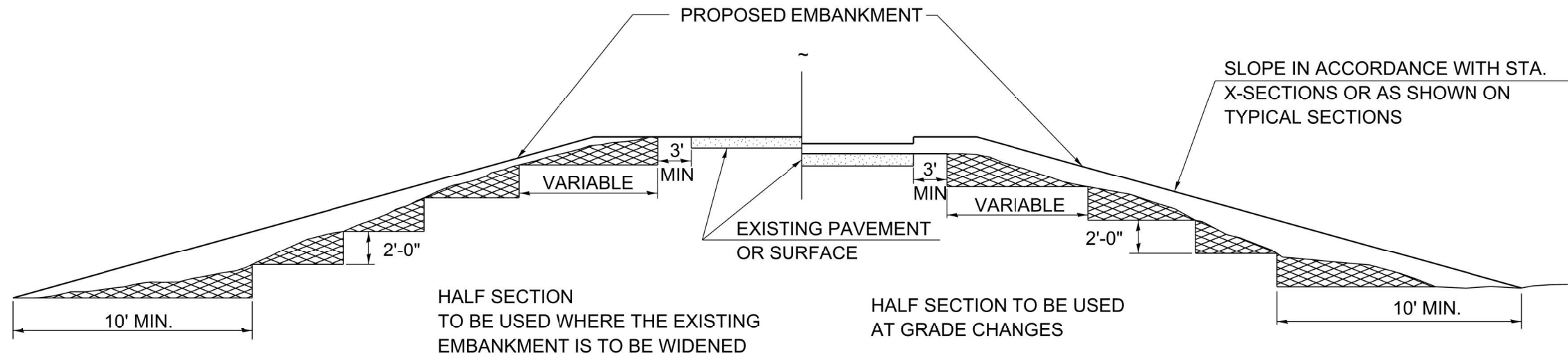
STD. 9-24

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USER NAME = ckohlrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 60.000' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 1/17/2025	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	55
			CONTRACT NO. 78147	
ILLINOIS FED. AID PROJECT				

TYPICAL CROSS SECTION SHOWING STEP CONSTRUCTION ON EXISTING FILL



STEPS SHALL BE CUT IN THE EXISTING SLOPE IN ACCORDANCE WITH ART. 205.03 EXCEPT THAT THE REQUIREMENT THAT STEPS SHALL BE CUT INTO THE EXISTING SLOPE BEFORE THE CONSTRUCTION OF THE EXISTING EMBANKMENT IS STARTED SHALL NOT APPLY. MATERIAL TO BE REMOVED AND REPLACED IN THE EMBANKMENT IN ACCORDANCE WITH ART. 205.04. COST TO BE INCLUDED IN THE VARIOUS ITEMS OF EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF THIS WORK.

STD. 9-25

DRAWN	02-15-89
REVISED	05-07-08
REVISED	10-21-21
REVISED	05-27-22

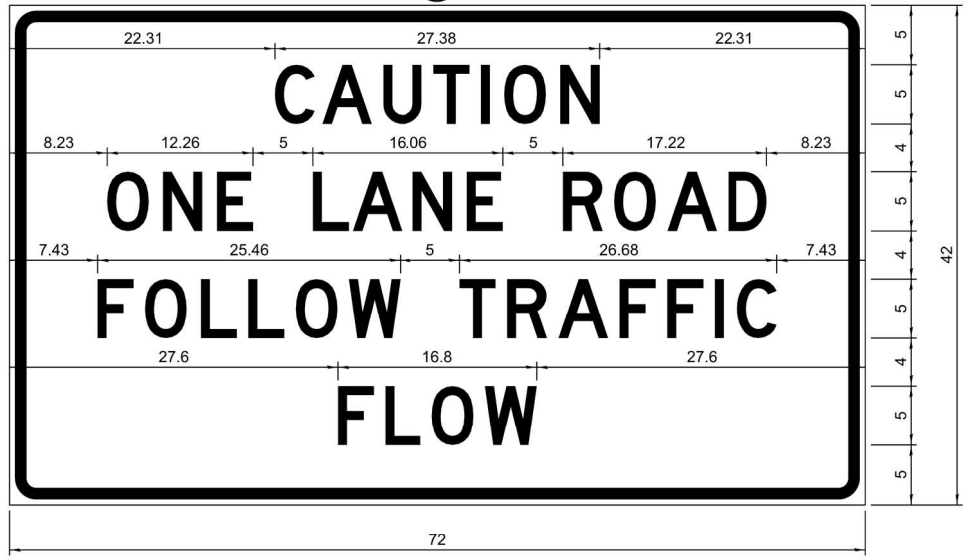
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USER NAME = ckohlrus	DESIGNED - _____	REVISED - _____
PLOT SCALE = 60.000' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 1/17/2025	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	56
			CONTRACT NO. 78147	
ILLINOIS FED. AID PROJECT				

**ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS**

2



COLOR LEGEND AND BORDER BLACK NON-REFLECTORIZED
 BACKGROUND ORANGE REFLECTORIZED

2.25" Radius, 0.88" Border, 0.50" Indent;
 [CAUTION] D; [ONE LANE ROAD] D;
 [FOLLOW TRAFFIC] D; [FLOW] D

2 This sign shall be installed at entrances located between the temporary signals as shown in the staging plans.

Table Of Widths And Spaces

22.31	C	3.36	0.62	A	4.18	0.94	U	3.36	0.94	T	3.04	0.94	I	0.78	1.17	O	3.52	1.17	N	3.36	22.31
-------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	-------

8.23	O	3.51	1.17	N	3.36	1.18	E	3.04
------	---	------	------	---	------	------	---	------

5.00	L	3.05	0.31	A	4.18	0.94	N	3.36	1.17	E	3.05
------	---	------	------	---	------	------	---	------	------	---	------

5.00	R	3.36	0.93	O	3.52	0.94	A	4.18	0.93	D	3.36	8.23
------	---	------	------	---	------	------	---	------	------	---	------	------

7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

27.60	F	3.05	0.94	L	3.04	0.94	O	3.52	0.93	W	4.38	27.60
-------	---	------	------	---	------	------	---	------	------	---	------	-------

GENERAL NOTES

All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

All Illinois Standard signs shall conform to the latest edition of the "Illinois Standard Highway Signs Book" in effect on the date of invitation for bids.

Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

DRAWN	3-2-16 D2
REVISED	03-12-24
REVISED	
REVISED	

Sign not to scale

STD. 9-34

MODEL: Default
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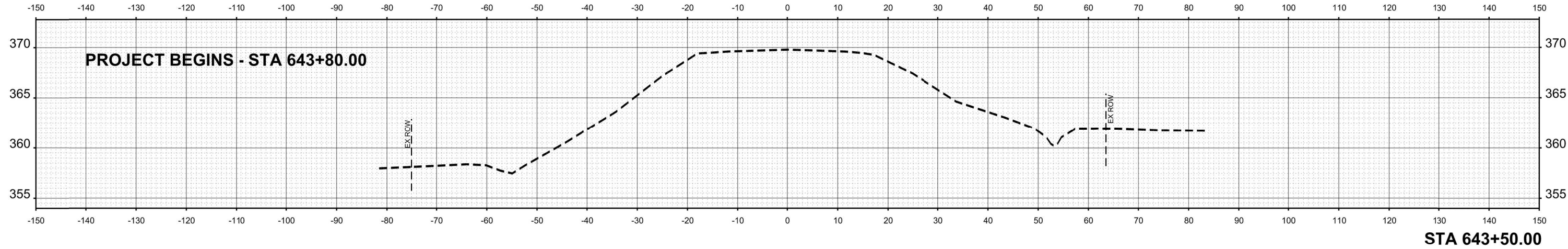
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PLOT SCALE = 1/20.000" = 1 in.	DRAWN - _____	REVISED - _____
PLOT DATE = 1/17/2025	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

ENTRANCE SIGN DETAILS

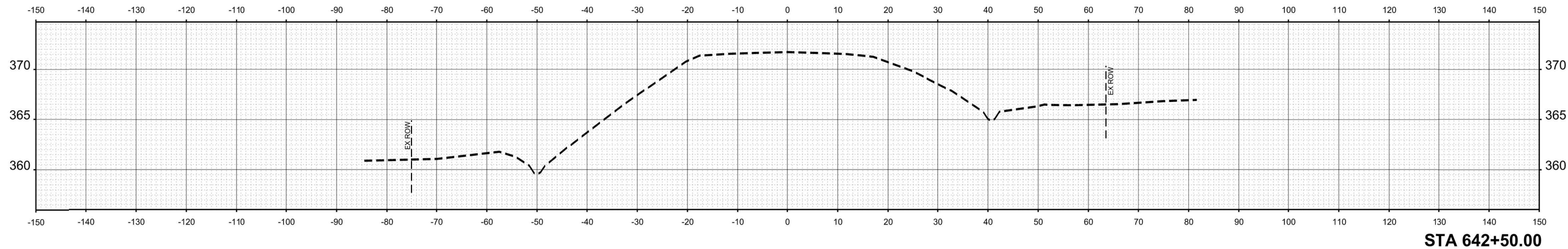
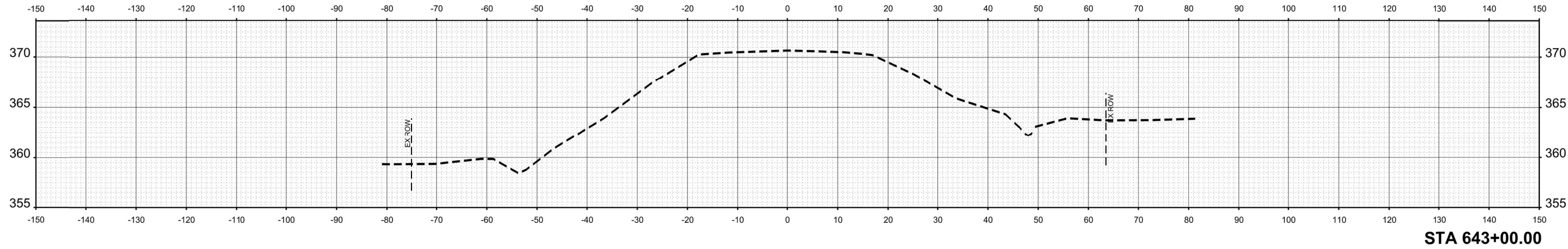
SCALE: VARIES SHEET ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	57
			CONTRACT NO. 78147	
			ILLINOIS FED. AID PROJECT	

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



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



MODEL: CL_I_1_EX_642+50.00 (Sheet)
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USER NAME = ckahrus	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 0.16666633' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 1/17/2025	DATE - _____	REVISED - _____

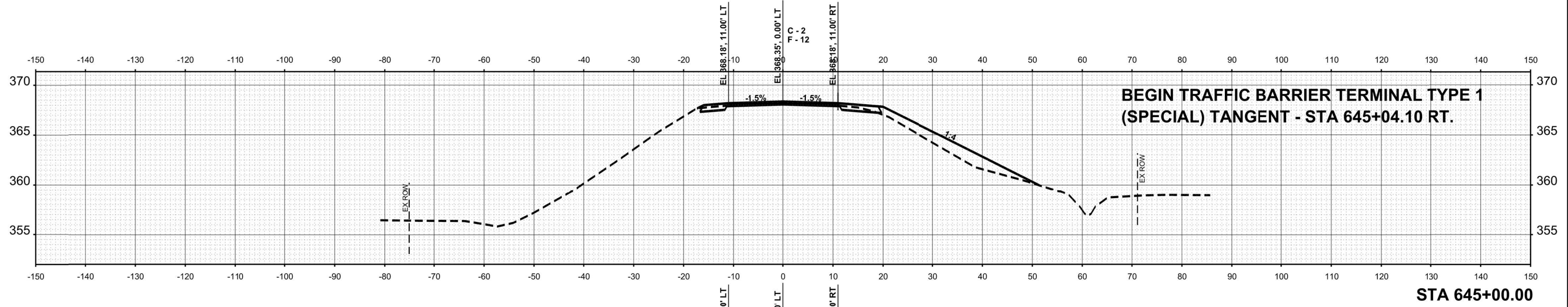
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: 1"=10' SHEET 11 OF 5 SHEETS STA. 642+50 TO STA. 643+50

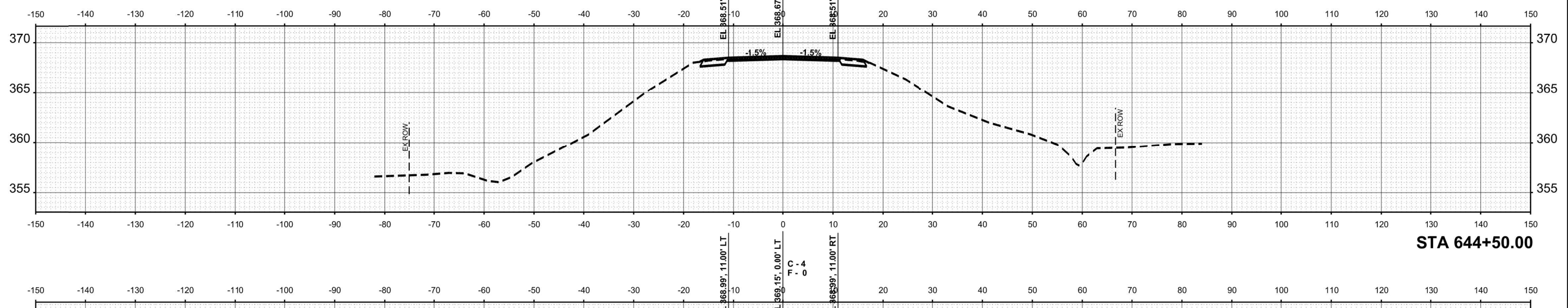
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	58
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

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



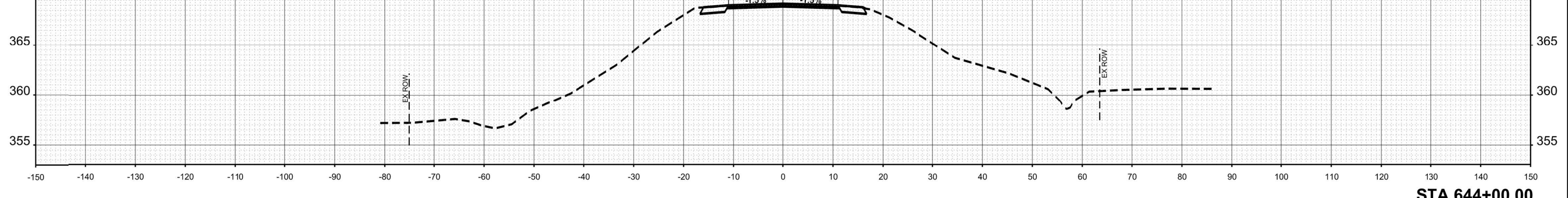
STA 645+00.00

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



STA 644+50.00

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



STA 644+00.00

USER NAME = ckahhus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 000 OF 5 SHEETS STA. 644+00 TO STA. 645+45

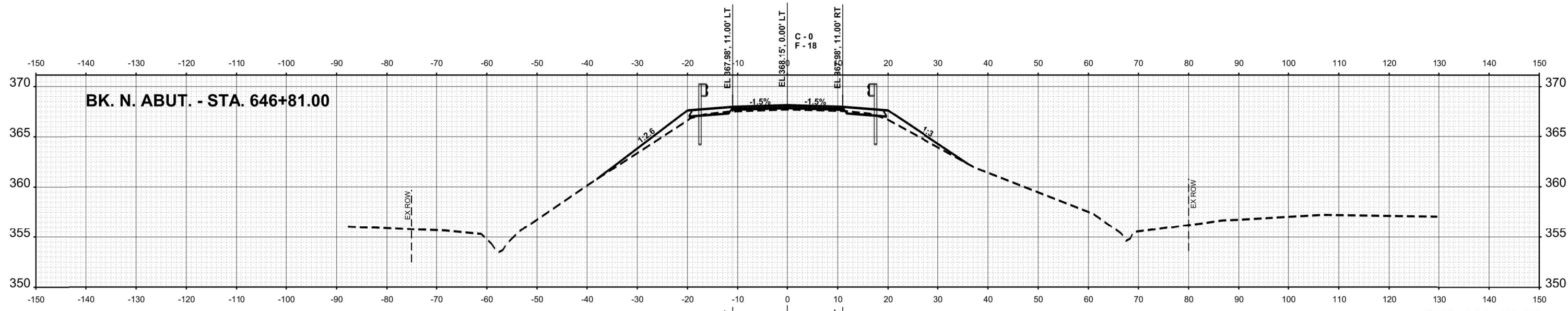
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	59
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

MODEL: CL_L1_EX_644+00.00 (Sheet)
FILE NAME: \\pwr-01\pwradmin\03010255-L_DOT_District_9\0595-001-008-L1_Crawford_Pth_Gallatin_ColCAD\CADD_Sheets\97314-Arch\csc3.dgn

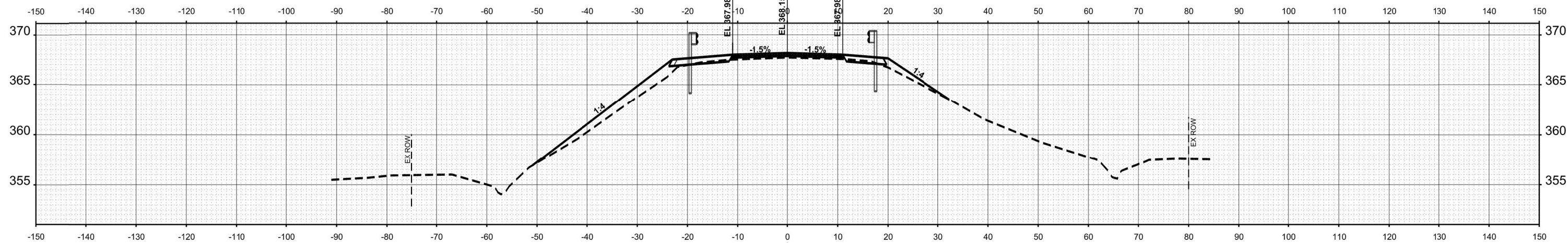
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

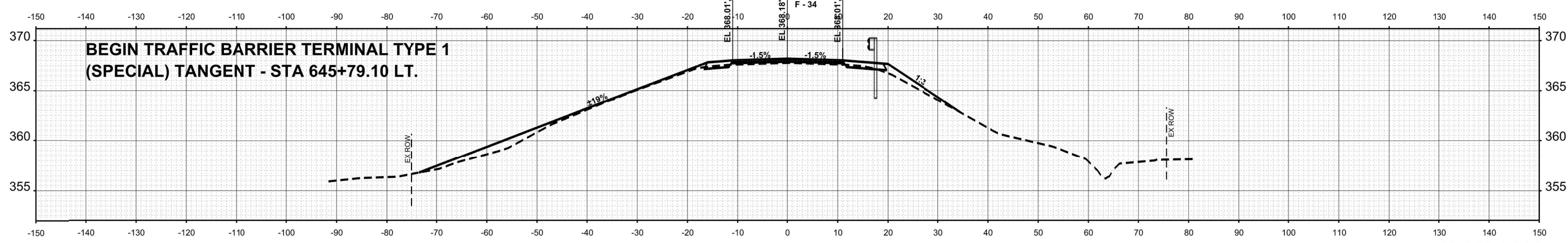
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STA 646+81.00



STA 646+50.00



STA 645+50.00

**BEGIN TRAFFIC BARRIER TERMINAL TYPE 1
 (SPECIAL) TANGENT - STA 645+79.10 LT.**

USER NAME = ckahnus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2025	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

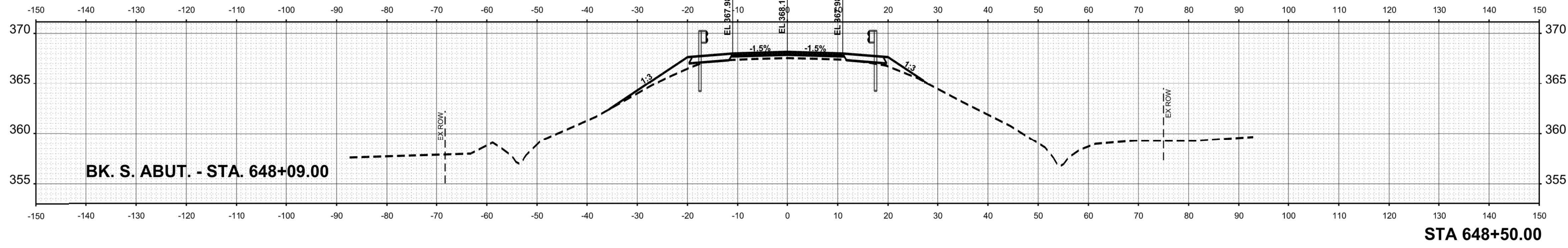
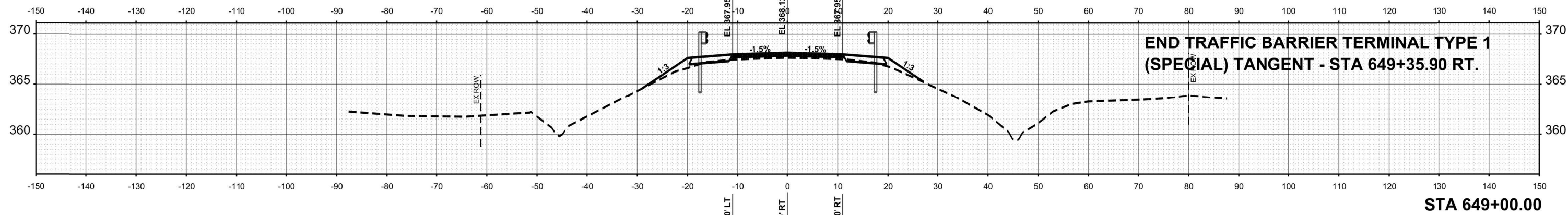
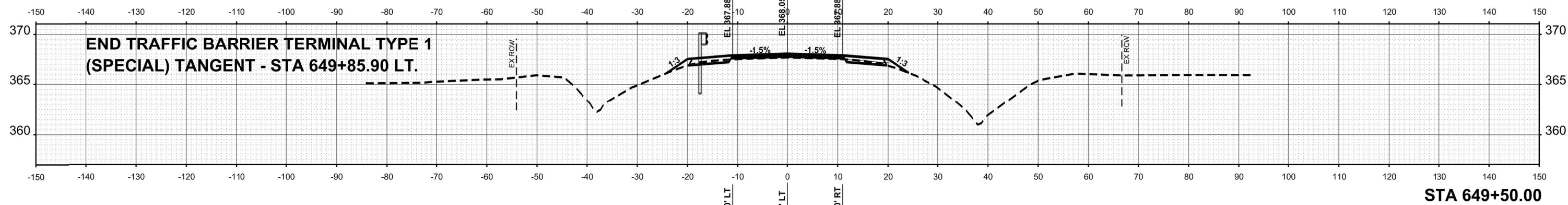
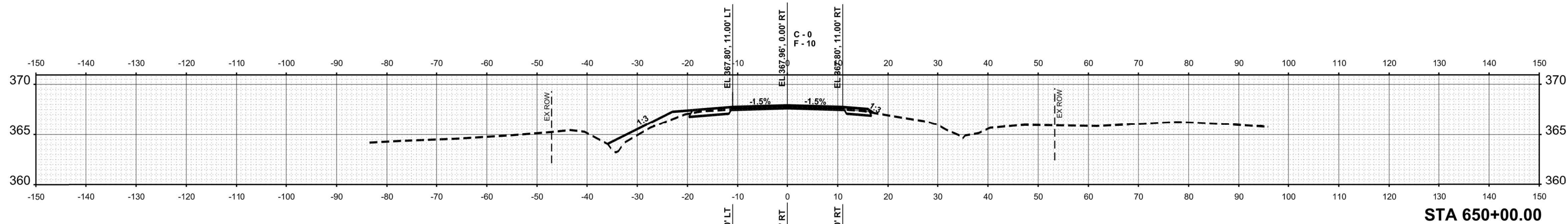
SCALE: 1"=10' SHEET 000 OF 5 SHEETS STA. 645+50 TO STA. 646+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	60
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: CL_I_1_EX_648+50.00 PG (Sheet)
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USER NAME = ckahhus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2025	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

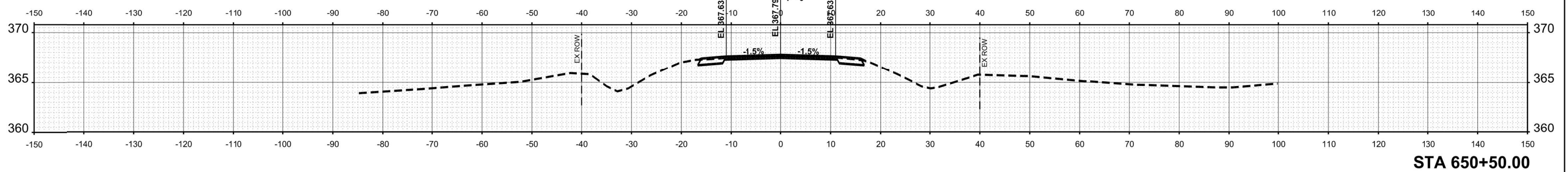
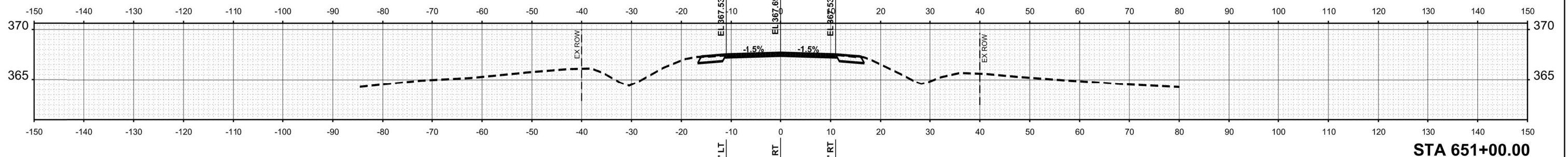
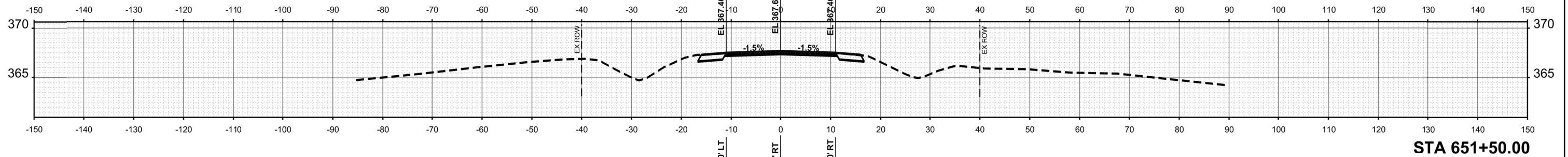
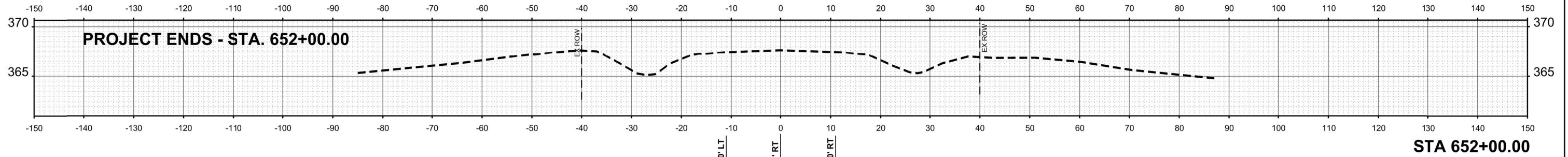
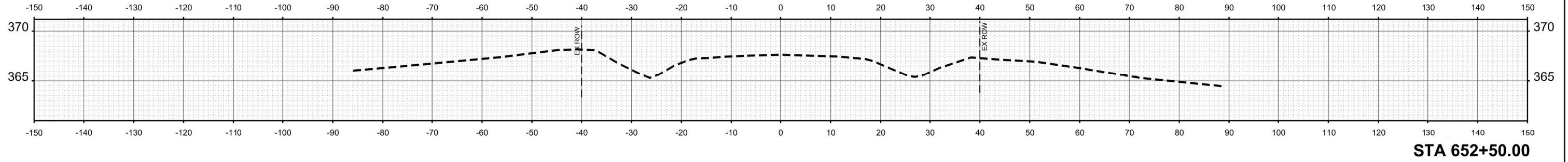
SCALE: 1"=10' SHEET 000 OF 5 SHEETS STA. 648+50 TO STA. 650+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	61
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = ckahhus	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666833' / in.	CHECKED -	REVISED -
PLOT DATE = 1/17/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

SCALE: 1"=10' SHEET 000 OF 5 SHEETS STA. 650+50 TO STA. 652+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
782	111(B-1)	GALLATIN	62	47
CONTRACT NO. 78147				
ILLINOIS FED. AID PROJECT				