

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. MILE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB) BR	CHAMPAIGN	65*	1
		ILLINOIS	CONTRACT NO. 70908	

* 65 + 1 = 66 TOTAL SHEETS

INDEX OF SHEETS

- 1 COVER SHEET
- 2 INDEX OF SHEETS, LISTING OF APPLICABLE HIGHWAY STANDARDS, GENERAL NOTES
- 3-9 SUMMARY OF QUANTITIES
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- 14-16 ALIGNMENT, TIES, AND BENCHMARKS
- 17 REMOVAL PLAN (CH17)
- 18 REMOVAL PLAN (I57)
- 19-23 PLAN AND PROFILE SHEETS
- 24-27 DETOUR AND TRAFFIC CONTROL PLANS AND DETAILS
- 28-29 EROSION AND SEDIMENT CONTROL PLANS AND DETAILS
- 30-31 STRUCTURAL PLANS
- 52-57 DETAILS & DISTRICT 5 DETAILS
- 58-65 CROSS SECTIONS



Eric J. Lindemann

ERIC J. LINDEMANN, P.E.
IL. LIC. NO. 062-051170

EXP: 11 / 30 / 2023

DATE: 03 / 22 / 2023

SHEETS: 1-18, 28-29

Jeffrey Ehrhart

JEFFREY EHRHART, P.E.
IL. LIC. NO. 062-059444

EXP: 11 / 30 / 2023

DATE: 03 / 22 / 2023

SHEETS: 19-23, 58-65

Muthayab Ahmed Mohammed

MUTHAYAB AHMED MOHAMMED, P.E.
IL. LIC. NO. 062-072419

EXP: 11 / 30 / 2021

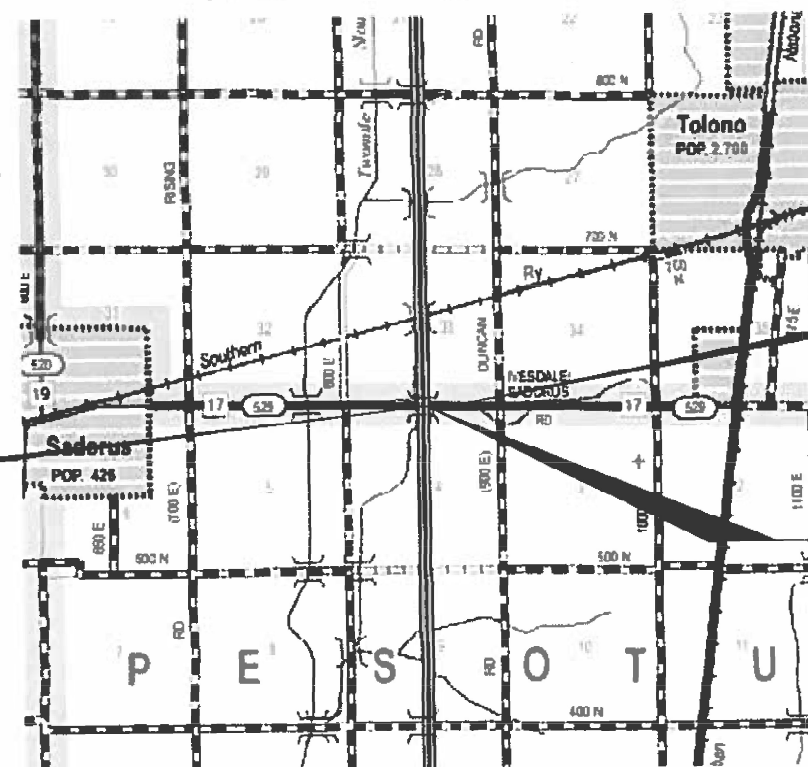
DATE: 03 / 22 / 2023

SHEETS: 24-27

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 57 (I-57)
SECTION (10-31HB)BR
PROJECT NHPP-41L9(250)
BRIDGE REPLACEMENT
CHAMPAIGN COUNTY

C-95-065-21
UNDER CH 17 1.8 MILE OF SADORUS

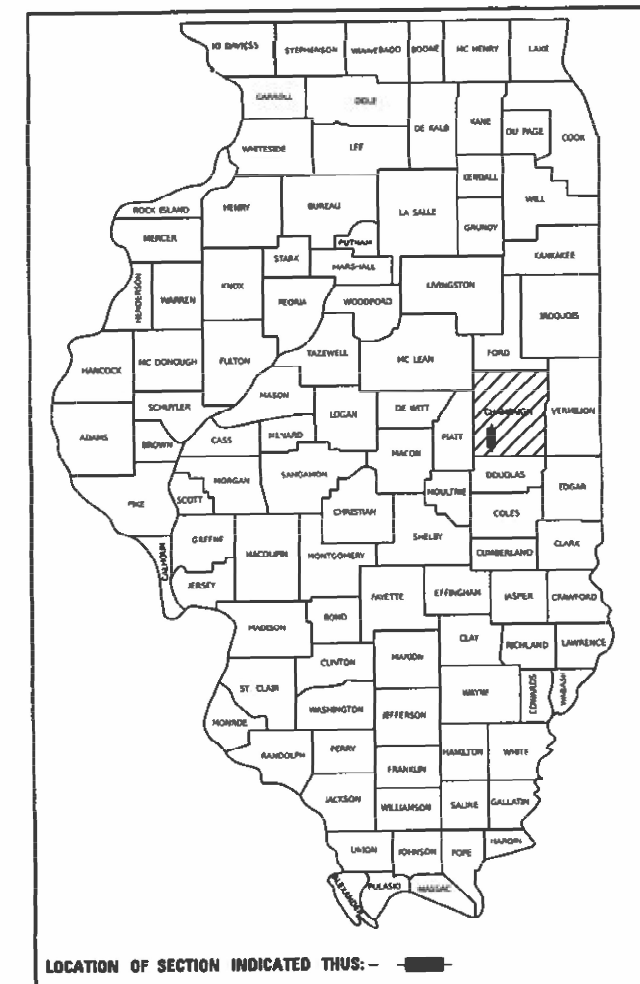


CH 17
BEGINS: STA 25 + 62.50

CH 17
ENDS: STA 34 + 37.50

EX. SN 010-0124
PR. SN 010-0295
STA. 29 + 90.61 (CH 17) =
STA. 367 + 59.97 (I-57)
2-SPAN AT 106'-6" = 213'-0"
BK-BK ABUTS
0 DEGREE SKEW

LOCATION MAP
GROSS LENGTH = 213 FT. = 0.040 MILE
NET LENGTH = 213 FT. = 0.040 MILE



LOCATION OF SECTION INDICATED THUS: —

FUNCTIONAL CLASSIFICATION INTERSTATE

2021 ADT = 25,800
P.V. = 66.76% S.U. = 3.78% M.U. = 29.46%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 3/24/2023
Kenneth A. Harriott REGIONAL ENGINEER
May 12, 2023
Steph M. Smith ENGINEER OF DESIGN AND ENVIRONMENT
May 12, 2023
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT ENGINEER JASON STULTS, P.E.
PROJECT MANAGER DAVID JAYME, P.E.

CONTRACT NO. 70908

HIGHWAY STANDARDS

COMMITMENTS:

NONE.

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-10 PAVEMENT JOINTS
- 420401-13 PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 515001-04 NAME PLATE FOR BRIDGES
- 542401-04 METAL FLARED END SECTION FOR PIPE CULVERTS
- 601001-05 PIPE UNDERDRAINS
- 601101-02 CONCRETE HEADWALL FOR PIPE UNDERDRAINS
- 610001-09 SHOULDER INLET WITH CURB
- 630001-12 STEEL PLATE BEAM GUARDRAIL
- 630301-09 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
- 631031-18 TRAFFIC BARRIER TERMINAL, TYPE 6
- 663001-02 SAND MODULE IMPACT ATTENUATORS
- 664001-02 CHAIN LINK FENCE
- 667101-02 PERMANENT SURVEY MARKERS
- 701101-05 OFF-RD OPERATIONS, MULTILANE, 15'(4.5M) TO 24"(600MM) FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15'(4.5M) AWAY
- 701400-11 APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701401-13 LANE CLOSURE, FREEWAY/EXPRESSWAY
- 701428-01 TRAFFIC CONTROL, SETUP AND REMOVAL, FREEWAY/EXPRESSWAY
- 701901-08 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 725001-01 OBJECT AND TERMINAL MARKERS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- 701402-12 LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER

DISTRICT GENERAL NOTES

- GN-105.09A ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
- GN-201 TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS.
- GN-205 BENCHING PROCEDURES SHALL BE USED IN AREAS WHERE EXISTING EMBANKMENTS ARE WIDENED FOR THE PROPOSED PAVEMENT. STEPS SHALL BE CUT INTO THE EXISTING EMBANKMENT SLOPES AND SHALL HAVE THE FOLLOWING DIMENSIONS:
HORIZONTAL:
VERTICAL:
- GN-501A THE EXISTING STRUCTURAL STEEL COATING CONTAINS LEAD. THE CONTRACTOR SHOULD FOLLOW THE GUIDE BRIDGE SPECIAL PROVISIONS FOR CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES TO DEAL WITH THE PRESENCE OF LEAD ON THIS PROJECT.
- GN-506 ALL FINAL SURFACES OF THE BEAMS SHALL BE PAINTED WITH LIGHT GREY (MUNSELL COLOR STANDARD - 10Y 7/1) EXCEPT THE EXTERIOR SURFACES OF THE EXTERIOR BEAMS WHICH SHALL BE PAINTED INSTERSTATE GREEN (MUNSELL COLOR STANDARD 7.5G 4/8).
- GN-703A SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES, SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS, USE 4 FEET PER 40 FEET (OR 10% PER STATION).
- GN-781 THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.
- GN-Z0038 PERMANENT BENCHMARKS SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER. THE MARKERS SHALL BE LOCATED ON THE CORNER OF THE ABUTMENT WHERE THE ABUTMENT AND WINGWALL INTERSECTION. QUANTITY HAS BEEN INCLUDED IN THE PLANS FOR TWO (2) PERMANENT BENCHMARKS, ONE AT EACH END OF THE BRIDGE.

GN 406H MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION(S):	CH-17	CH-17	CH-17	CH-17	I-57	I-57
MIXTURE USE(S):	Polymer Surface Mainline	Polymer Bind Top 2-1/4" Mainline	Binder Bottom 3-3/4" Mainline / Shoulders	Surface Shoulders	Binder Shoulders	Surface Shoulders
BINDER GRADE (PG):	SBS PG 64-28	SBS PG 64-28	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5	IL-9.0	IL-9.0	IL-9.5	IL-9.0	IL-9.5
FRICTION AGGREGATE:	MIXTURE "C"	N.A.	N.A.	MIXTURE "C"	N.A.	MIXTURE "C"
MIXTURE WEIGHT:	112 LB/SQ YD/IN	112 LB/SQ YD/IN	112 LB/SQ YD/IN	112 LB/SQ YD/IN	112 LB/SQ YD/IN	112 LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	3000	3000	3000	3000	3000	3000
MATERIAL TRANSFER DEVICE?	NO	NO	NO	NO	NO	NO

MODEL: GenNotes [Sheet]
FILE NAME: P020-03501 Phase II IL57 under CH170 DOT/CAD_Sheets\0570908-shh-agennotes.dgn

	USER NAME = jwarner	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHWAY STANDARDS, GENERAL NOTES, AND COMMITMENTS		F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -				57	(10-31HB)BR	CHAMPAIGN	65	2
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	PLOT DATE = 5/4/2023	DATE -	REVISED -		SCALE:	SHEET OF SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

MODEL: SOD Sheet 1
FILE NAME: P:\2025\659.01 Phase I IL57 under CH170_IDOT\CAD_Sheets\657908-jh\SOD.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 57 CHAMPAIGN COUNTY
				10% STATE 90% FEDERAL
				BRIDGE
				0010 RURAL
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	85	85
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	36	36
20200100	EARTH EXCAVATION	CU YD	246	246
20400800	FURNISHED EXCAVATION	CU YD	1,720	1,720
20600200	GRANULAR, EMBANKMENT, SPECIAL	CU YD	334	334
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	717	717
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5,028	5,028
25000210	SEEDING, CLASS 2A	ACRE	1.5	1.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	126	126
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	126	126
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	126	126
25100900	TURF REINFORCEMENT MAT	SQ YD	6,783	6,783
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	140	140
28000315	AGGREGATE DITCH CHECKS	TON	60	60

* = SPECIALTY ITEM



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28000000-000000000000
Professional Engineering Firm
Professional Engineering Group
ILLINOIS
26-508046

USER NAME = jwarner

DESIGNED -
DRAWN -

REVISOR -
REVISIONS -

PLOT SCALE = 0.16666633" / ft.

CHECKED -
DATE -

REVISOR -
REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 7 SHEETS STA. TO STA. ____

F.A.I. RTE. 57

SECTION (10-31HB)BR

COUNTY CHAMPAIGN

TOTAL SHEETS 65

SHEET NO. 3

CONTRACT NO. 70908

ILLINOIS FED. AID PROJECT

MODEL: S00 Sheet 2
FILE NAME: P20240501 Phase I IL57 under CH170_IDOTC603_Sheet0570908-jlsS00.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 57 CHAMPAIGN COUNTY
				10% STATE 90% FEDERAL
				BRIDGE
				0010 RURAL
28000400	PERIMETER EROSION BARRIER	FOOT	1,997	1,997
28000500	INLET AND PIPE PROTECTION	EACH	4	4
28100105	STONE RIPRAP, CLASS A3	SQ YD	48	48
28200200	FILTER FABRIC	SQ YD	48	48
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	188	188
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	4,341	4,341
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	436	436
40600370	LONGITUDINAL JOINT SEALANT	FOOT	634	634
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	214	214
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0FG, N50	TON	301	301
40603230	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	181	181
40604150	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	141	141
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	63	63
44000100	PAVEMENT REMOVAL	SQ YD	160	160

* = SPECIALTY ITEM

 Kaskaskia Engineering Group, LLC Professional Engineering Firm 2800 South 4th Street, Suite 100 Moline, IL 61704 Phone: (309) 241-1111 Fax: (309) 241-1112 www.kaskaskiaeng.com	USER NAME = jwarner	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES					F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 0.16666633' / in.	DRAWN -	REVISED -							57	(10-30)BR	CHAMPAIGN	65	4
	PLOT DATE = 3/24/2023	CHECKED -	REVISED -		SCALE:			SHEET 2 OF 7 SHEETS			STA. TO STA.			
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT						
	CONTRACT NO. 70908													

				FAI 57 CHAMPAIGN COUNTY
				10% STATE 90% FEDERAL
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	BRIDGE
				0010 RURAL
44004250	PAVED SHOULDER REMOVAL	SQ YD	378	378
48101200	AGGREGATE SHOULDERS, TYPE B	TON	716	716
48203012	HOT-MIX ASPHALT SHOULDERS, 3 3/4"	SQ YD	390	390
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SQ YD	378	378
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1
50157300	PROTECTIVE SHIELD	SQ YD	338	338
50200100	STRUCTURE EXCAVATION	CU YD	270	270
50300225	CONCRETE STRUCTURES	CU YD	174.0	174.0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	262.4	262.4
50300260	BRIDGE DECK GROOVING	SQ YD	783	783
50300300	PROTECTIVE COAT	SQ YD	1,053	1,053
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	83.7	83.7
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1	1
50500505	STUD SHEAR CONNECTORS	EACH	2,484	2,484

 Kaskaskia Engineering Group, LLC PROFESSIONAL REGISTERED Illinois Professional Design Firm Professional Engineering Group 201 F. Man. Co., Suite 100 Edwardsville, Illinois 62025 618.333.5975 fax www.kaskaskiaeng.com LICENSE NO. 111-000701 20-301046	USER NAME = jwamer DESIGNED - DRAWN - CHECKED - PLOT DATE = 3/24/2023	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES					F.A. I. R.TE. 57	SECTION (10-30)BR	COUNTY CHAMPAIGN	TOTAL SHEETS 65	SHEET NO. 5
										CONTRACT NO. 70908				
	SCALE:		SHEET 3 OF 7 SHEETS		STA.		TO STA.							

MODEL: S00 Sheet 4
FILE NAME: P20230501 Phase I IL57 under CH170_IDOTCAD_Sheet0570908-jlsS00.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 57 CHAMPAIGN COUNTY
				10% STATE 90% FEDERAL
				BRIDGE
				0010 RURAL
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	116,190	116,190
50800530	MECHANICAL SPLICERS	EACH	60	60
51100100	SLOPE WALL 4 INCH	SQ YD	319	319
51200959	FURNISHING METAL SHELL PILES 14" X 0.312"	FOOT	515	515
51202305	DRIVING PILES	FOOT	515	515
51203200	TEST PILE METAL SHELLS	EACH	2	2
51204650	PILE SHOES	EACH	12	12
51500100	NAME PLATES	EACH	1	1
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	6	6
52100520	ANCHOR BOLTS, 1"	EACH	36	36
54262712	METAL FLARED END SECTIONS 12"	EACH	4	4
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	124	124
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	58	58
60100945	PIPE DRAINS 12"	FOOT	185	185
60146304	PIPE UNDERDRAIN FOR STRUCTURES 4"	FOOT	128	128

* = SPECIALTY ITEM

MODEL: S00 Sheet 5
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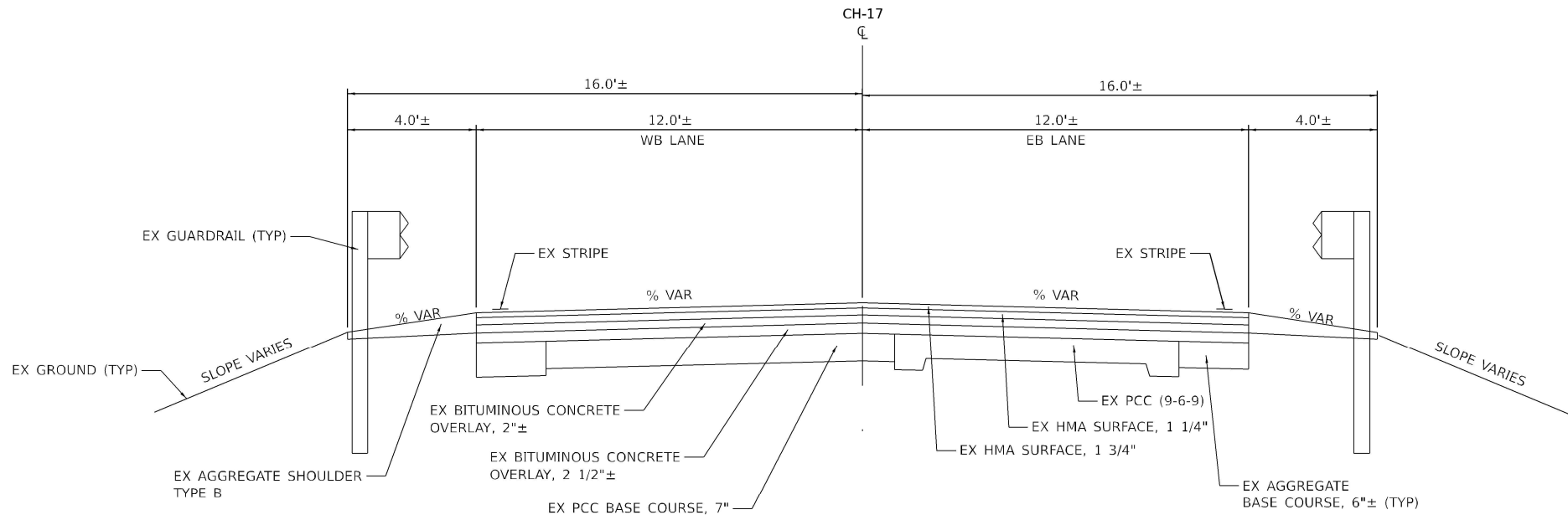
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 57 CHAMPAIGN COUNTY
				10% STATE 90% FEDERAL
				BRIDGE
				0010 RURAL
61000050	CONCRETE THRUST BLOCKS	EACH	4	4
61000335	TYPE G INLET BOX, STANDARD 610001	EACH	4	4
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	375	375
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	2,625	2,625
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	1	1
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	5	5
63200310	GUARDRAIL REMOVAL	FOOT	2,981	2,981
64300450	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2
64301090	ATTENUATOR BASE	SQ YD	55	55
66201120	CONCRETE SHOULDER CURB	FOOT	40	40
* 66400305	CHAIN LINK FENCE, 6'	FOOT	180	180
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	12	12
67100100	MOBILIZATION	L SUM	1	1

* = SPECIALTY ITEM

MODEL: S00 Sheet 6
FILE NAME: P20240501 Phase I IL57 under CH170_IDOTCAD_Sheet0570908-jlsS00.dgn

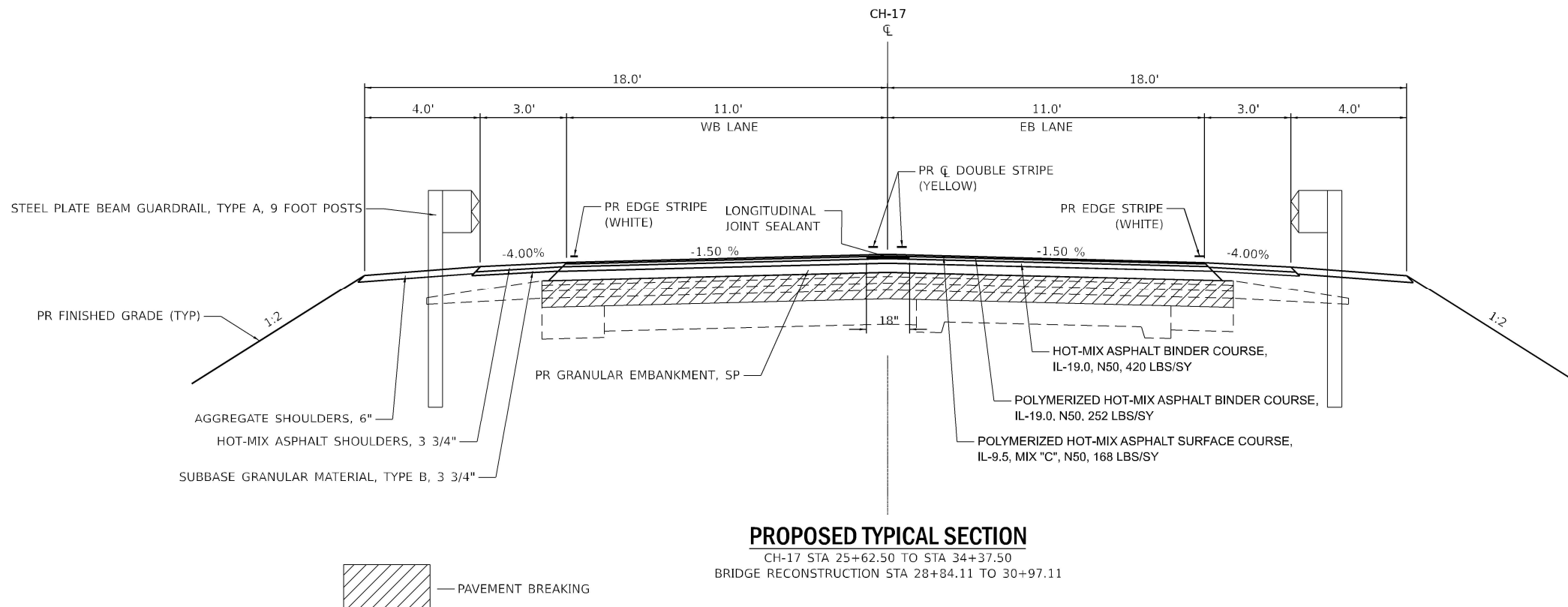
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	FAI 57 CHAMPAIGN COUNTY
				10% STATE 90% FEDERAL
				BRIDGE
				0010 RURAL
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14	14
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	228	228
70300150	SHORT-TERM PAVEMENT MARKING REMOVAL	SQ FT	76	76
70400100	TEMPORARY CONCRETE BARRIER	FOOT	550	550
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	550	550
70600250	IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2
70600251	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	5	5
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	3,580	3,580
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	11	11
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	38	38
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	50	50
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	FOOT	11	11

* = SPECIALTY ITEM



EXISTING TYPICAL SECTION

CH-17 STA 25+62.50 TO STA 34+37.50
EXISTING SN 010-0124 STA 28+79.86 TO 31+01.36



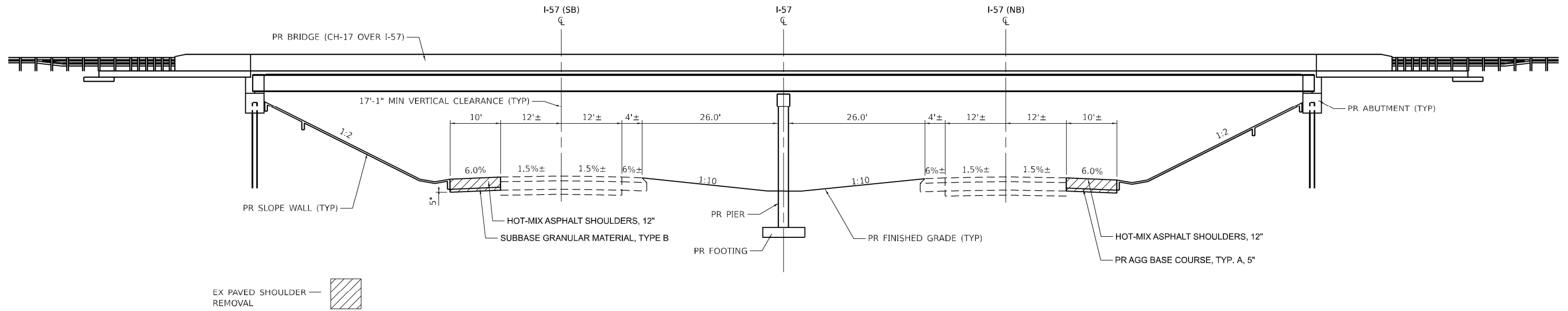
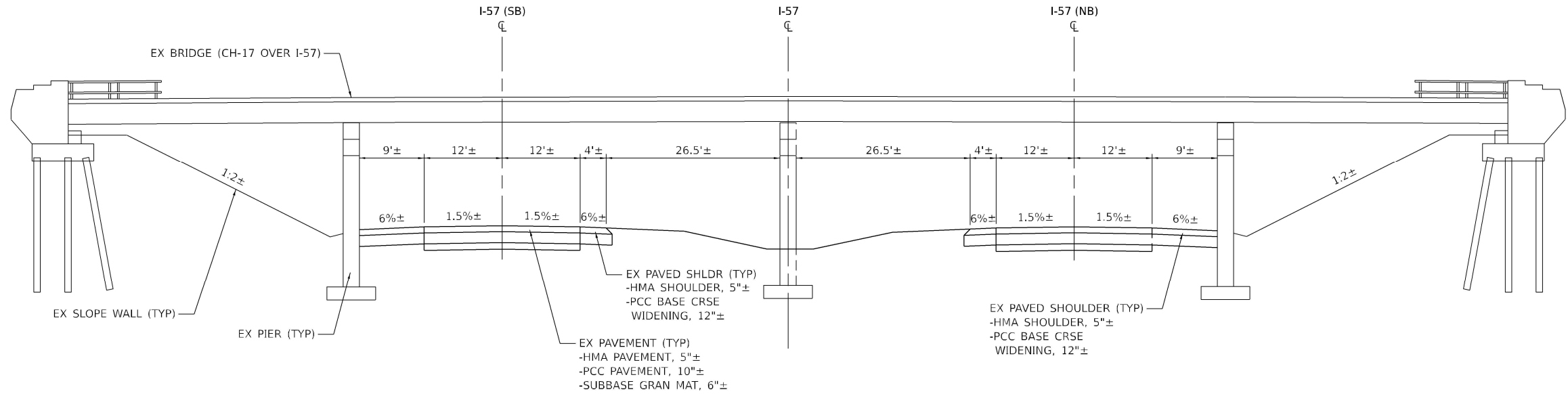
PROPOSED TYPICAL SECTION

CH-17 STA 25+62.50 TO STA 34+37.50
BRIDGE RECONSTRUCTION STA 28+84.11 TO 30+97.11

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FILE NAME: P:\2020-105501 Phase II IL57 under CH1716.DDT\CAD_Sheets\0570908-shs\typicals_01.dgn

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	DRAWN -	REVISED -
PLOT SCALE = 99.99980000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	10
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				



MODEL: Typical (Sheet) (Sheet)
FILE NAME: P230-1055.01 Phase II I-57 under CH1716 DDTTCAD_Sheets\0570908-shsTypicals_02.dgn



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PROFESSIONAL ENGINEER
ILLINOIS PROFESSIONAL DESIGN FIRM
Professional Engineering Group

USER NAME = hpaproth

DESIGNED -

DRAWN -

CHECKED -

DATE -

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS - I-57

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	11
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				

TREE REMOVAL SCHEDULE					
LOCATION			TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS IN DIAMETER)	
			20100110	20100210	
			(UNIT)	(UNIT)	
STATION	TO	OFFSET	LT/RT		
CH-17					
027+91.0		45.0'	LT	7	
028+61.3		34.3'	LT		20
031+16.0		44.8'	RT	14	
031+28.4		44.8'	LT		16
031+36.4		36.7'	RT	8	
031+40.5		47.1'	LT	14	
031+70.7		47.2'	RT	8	
031+71.4		38.3'	RT	10	
031+84.0		43.8'	RT	12	
031+95.2		39.4'	RT	12	
TOTAL:				85	36
PAY TOTAL:				85	36

EARTHWORK SCHEDULE										
LOCATION			NOTES	EARTH EXCAVATION	FOR INFORMATION ONLY			GRANULAR EMBANKMENT, SPECIAL	TOPSOIL EXCAVATION AND PLACEMENT	TOPSOIL FURNISH AND PLACE, 4"
					SHRINKAGE OF EARTH EXCAVATION	EMBANKMENT	EARTHWORK BALANCE WASTE STORAGE			
				20200100			20400800	20600200	21101505	211061615
ROAD NAME				(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
STATION	TO	STATION								
CH-17										
025+62.5		028+84.1	116.7	87.55	991.78	-904.2	130.5	308.8	1808.8	
030+97.1		034+37.5	69.6	52.21	910.6	-858.4	202.9	289.2	2145.8	
MEDIAN			31.7	23.78	1.42	22.4		118.8	1072.5	
SB 1-57 GUARDRAIL			27.8	20.83		20.8				
TOTAL:			245.8	184.37	1903.8	-1719.4	333.4	716.8	5027.1	
PAY TOTAL:			246	185	1904	-1720	334	717	5028	

DITCH CHECK SCHEDULE			
LOCATION			AGGREGATE DITCH CHECK
			28000315
ROAD NAME			(EACH)
STATION	TO	STATION	
CH-17			
025+62.5		034+37.5	6
TOTAL:			6
PAY TOTAL:			6

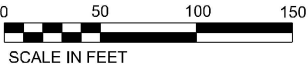
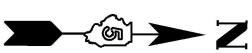
EROSION SCHEDULE						
LOCATION		OFFSET	TEMPORARY EROSION CONTROL SEEDING	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	STONE RIPRAP CLASS A3
			28000250	28000400	28000500	28100105
			(POUND)	(FOOT)	(EACH)	(SQ YD)
STATION TO STATION						
CH-17						
25+63	028+84.0	LT	32.0	418.0	1.0	12.0
		RT	20.0	390.0	1.0	12.0
28+84	029+25.0	LT	7.0	68.0		
		RT	6.0	80.0		
29+67	030+14.0	LT	8.0	49.0		
		RT	8.0	47.0		
30+56	030+97.0	LT	6.0	80.0		
		RT	6.0	61.0		
30+97	034+37.5	LT	23.0	394.0	1.0	12.0
		RT	24.0	410.0	1.0	12.0
TOTAL			140.0	1997.0	4.0	48.0
ADJUSTED TOTAL			140	1997	4	48

DRAINAGE SCHEDULE					
LOCATION		METAL FLARED END SECTIONS, 12"	PIPE DRAINS, 12"	CONCRETE THRUST BLOCKS	TYPE G INLET BOX, STANDARD 610001
		54262712	60100945	61000050	61000335
		EACH	FOOT	EACH	EACH
STATION	OFFSET				
CH-17					
28+50	LT	1.0	56.5	1.0	10.0
28+50	RT	1.0	31.5	1.0	10.0
31+31	LT	1.0	46.5	1.0	10.0
31+31	RT	1.0	50.5	1.0	10.0
TOTAL		4.0	185.0	4.0	40.0
ADJUSTED TOTAL		4	185	4	40

SEEDING SCHEDULE					
LOCATION			SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT
			25000210	25000400	25000500
ROAD NAME			(ACRE)	(POUND)	(POUND)
STATION	TO	STATION			
CH-17					
25+63		028+84.0	0.3	28.7	28.7
			0.2	17.6	17.6
28+84		029+25.0	0.1	6.3	6.3
			0.1	5.8	5.8
29+67		030+14.0	0.1	7.6	7.6
			0.1	7.1	7.1
30+56		030+97.0	0.1	5.8	5.8
			0.1	5.3	5.3
30+97		034+37.5	0.2	20.6	20.6
			0.2	21.3	21.3
TOTAL:			1.4	126.1	126.1
PAY TOTAL:			1.5	126.0	126.0

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FILE NAME: P0320-1055.01 Phase II IL57 under CH1716 IDOT/CAD_Sheets/D570908-ehs-schedules_01.dgn

MODEL: I-57_Civil.dwg
FILE NAME: P:\2023\65931 Phase I IL57 under CH170_IDOT\CD3_Sheet\CD370908-I-57.dgn
POT STA 350+99.96
POB STA Linear Annotation.Point Station



351 352 353 354 355+00 356 357 358 359 360+00 361 362 363 364 365+00 366
N00°28'49.8196"W
3000.0105'
I-57

MATCHLINE STA 366+40



MATCHLINE STA 366+40

367 368 369 370+00 371 372 373 374 375+00 376 377 378 379 380+00
POT STA 30+13.32/3.70' RT
CONTROL POINT 50
N00°28'49.8196"W
3000.0105'
I-57

POT STA 380+99.97

CH 17

28 29 30+00 31



Kaskaskia
Engineering Group, LLC

288 E. Main St., Suite 200
Mefford, Illinois 62450
618.233.2877 phone
618.233.2877 fax
www.kaskaskiaeng.com

PROFESSIONAL REGISTRATION NO. 1-000000000-0000-0000-0000-000000000000

ILLINOIS REGISTRATION NO. 000000000000

USER NAME = hpapproth

DESIGNED -

DRAWN -

CHECKED -

DATE -

PLOT SCALE = 0.16666633" / ft.

REVIS

REVIS

REVIS

REVIS

PLOT DATE = 3/22/2023

REVIS

REVIS

REVIS

REVIS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT-I57

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	14
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				

MODEL: E&L2 - Draft 4/74
FILE NAME: P:\20-UGS31 Phase I IL57 under CH170_IDOT\2023_Sheet\057908-5-IL-CH17\Alignment.dgn



Kaskaskia

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www.kaskaskiaeng.com

11/27/2014
184.000733
20-0880356

USER NAME	= hpapproth	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
PLOT SCALE	= 0.16666633' / in.	CHECKED	-	REVISED	-
PLOT DATE	= 3/22/2023	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT-CH17

SCALE: 1"=50'

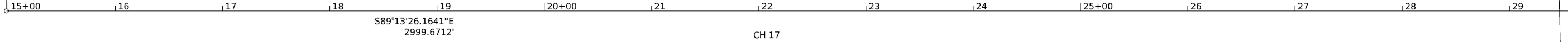
SHEET 1 OF 1 SHEETS

STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	15
CONTRACT NO. 70908				
		ILLINOIS	FED. AID PROJECT	

MATCHLINE STA 30+51

POT STA 14+98.54
POT STA 14+98.54
CONTROL POINT 40



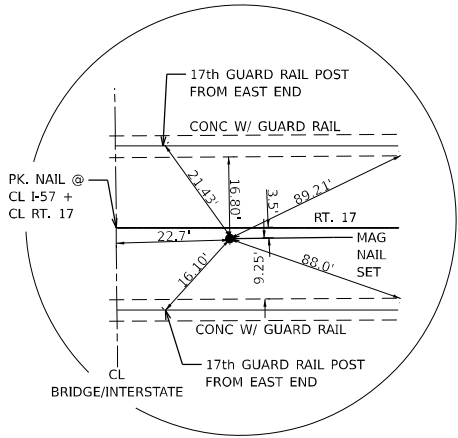
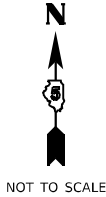
POT STA 44+98.21
CONTROL POINT 42



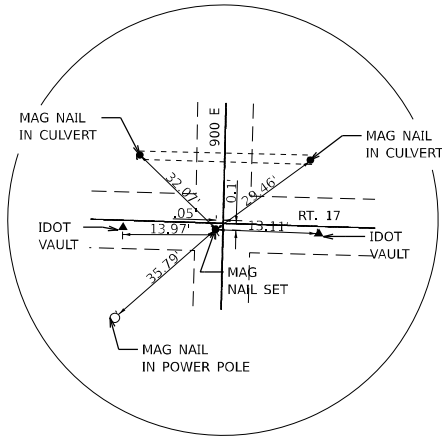
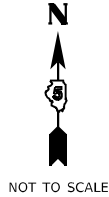
POT STA 30+13.32/3.70' RT
CONTROL POINT 50

MATCHLINE STA 30+51

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MONUMENT TIE #4



MONUMENT TIE #5

BENCHMARKS

- BM #4903-2 SAID MARK IS A CHISELED SQUARE LOCATED ON THE TOPE OF THE SE WING OF STR 010-0124 OVER I-57 1.75 EAST OF SADORUS.
ELEV. 711.038
- BM #4903-3 SAID MARK IS A CHISELED SQUARE LOCATED ON THE TOP OF THE SW WING OF STR 010-0124 OVER I-57 1.75 EAST OF SADORUS.
ELEV. 710.845

CH 17 ALIGNMENT					
POINT	DESC.	NORTHING	EASTING	STATION	CODE
40	IP/VAULT	1201962.783	991141.351	14+98.54	POT
42	IP/VAULT	1201922.154	994140.747	44+98.21	POT
50	MAG NAIL	1201938.567	992655.944	30+13.32/3.70' RT	SECTION CORNER

CENTERLINE POINTS

POINT NUMBER	NORTHING	EASTING	STATION	OFFSET	CODE	DESCRIPTION	EXISTING
CH 17							
40	1201962.783	991141.351	14+98.54	0.00	818	PERM	IRON PIN
41	1201942.574	992633.280	29+90.61	0.00	803	BASE	
42	1201922.154	994140.747	44+98.21	0.00	818	PERM	IRON PIN
I-57							
31	1200282.624	992647.201	350+99.96	0.000	818	PERM	
32	1201082.699	992640.455	359+00.06	-0.036	818	PERM	
33	1201882.698	992633.685	367+00.09	-0.097	818	PERM	
34	1202582.625	992627.850	374+00.04	-0.062	818	PERM	
35	1203282.529	992622.042	380+99.97	0.000	818	PERM	
41	1201942.574	992633.280	367+59.97	0.000		BASE	

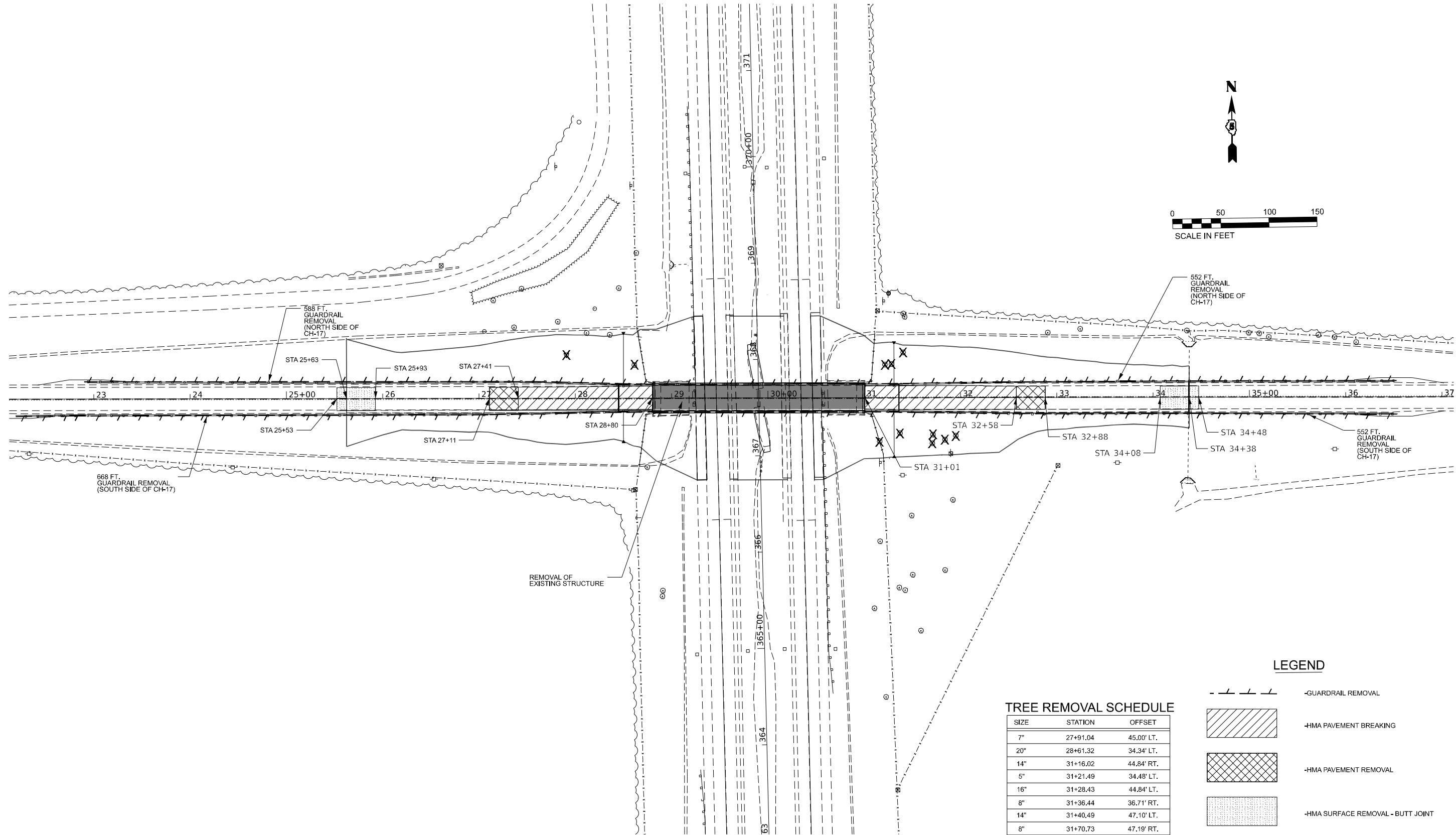
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TIES AND BENCHMARKS

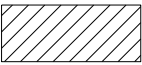
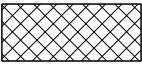
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB) BR	CHAMPAIGN	65	16
CONTRACT NO.				
ILLINOIS FED. AID PROJECT				

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LEGEND

- - - - - GUARDRAIL REMOVAL
-  -HMA PAVEMENT BREAKING
-  -HMA PAVEMENT REMOVAL
-  -HMA SURFACE REMOVAL - BUTT JOINT
-  -REMOVAL OF EXISTING STRUCTURE

TREE REMOVAL SCHEDULE

SIZE	STATION	OFFSET
7"	27+91.04	45.00' LT.
20"	28+61.32	34.34' LT.
14"	31+16.02	44.84' RT.
5"	31+21.49	34.48' LT.
16"	31+28.43	44.84' LT.
8"	31+36.44	36.71' RT.
14"	31+40.49	47.10' LT.
8"	31+70.73	47.19' RT.
10"	31+71.43	38.34' RT.
12"	31+84.01	43.78' RT.
12"	31+95.24	39.44' RT.

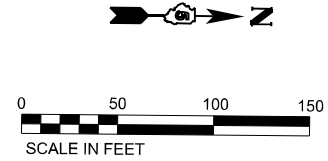
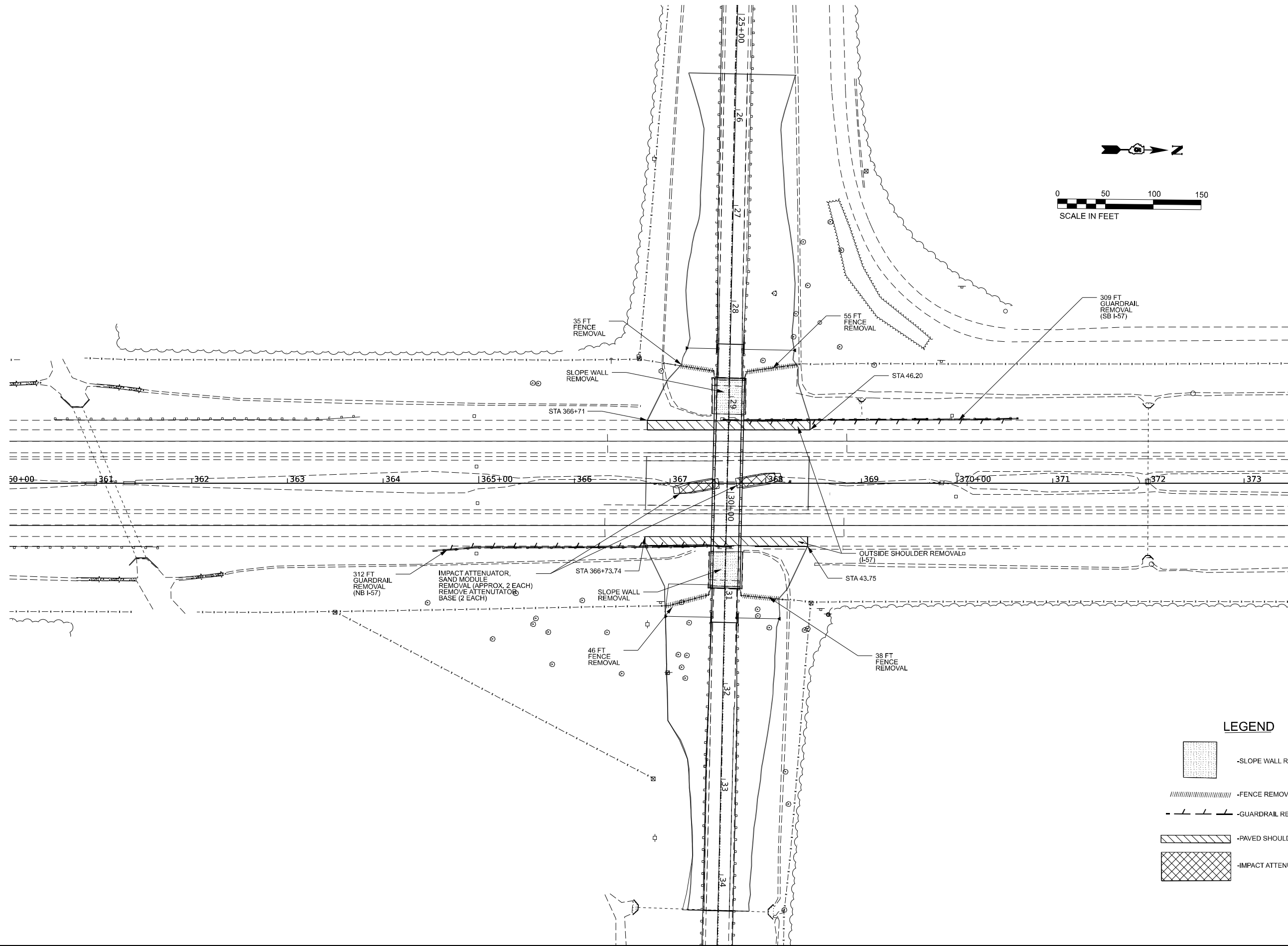
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	DRAWN -	REVISED -
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PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

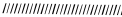
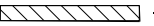
CH17
REMOVAL PLAN

SCALE: 1"=50' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB) BR	CHAMPAIGN	65	17
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				



LEGEND

-  -SLOPE WALL REMOVAL
-  -FENCE REMOVAL
-  -GUARDRAIL REMOVAL
-  -PAVED SHOULDER REMOVAL
-  -IMPACT ATTENUATOR SAND MODULE REMOVAL

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I57
REMOVAL PLAN**

SCALE: 1"=50' SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB) BR	CHAMPAIGN	65	18
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				

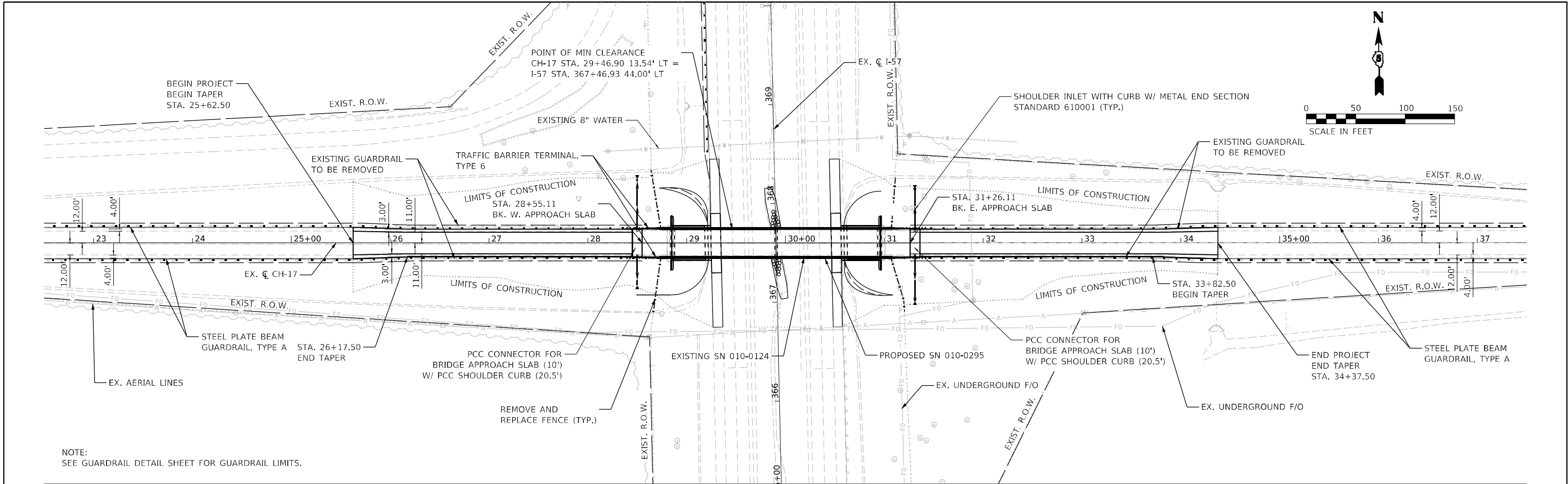
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	DRAWN -	REVISED -
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PLOT DATE = 3/22/2023	DATE -	REVISED -

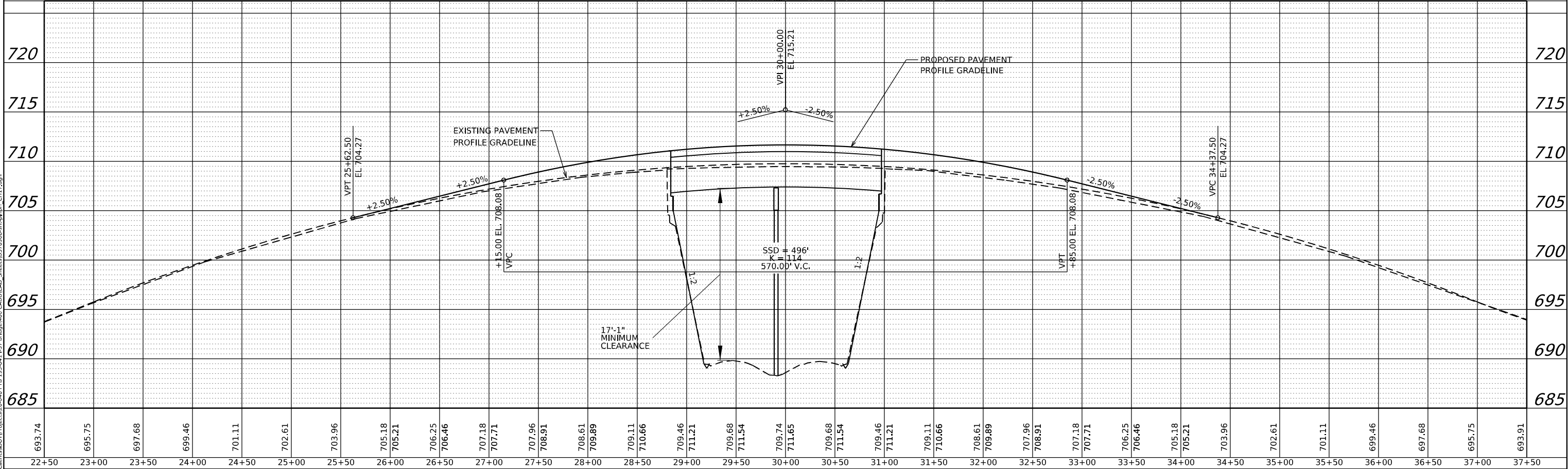
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	PLOTTED		
	ALIGNED		
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		

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NOTE:
SEE GUARDRAIL DETAIL SHEET FOR GUARDRAIL LIMITS.



USER NAME	= nickbrustin
DESIGNED	- MRT
DRAWN	- MRT
CHECKED	- CJD
DATE	- 03/20/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

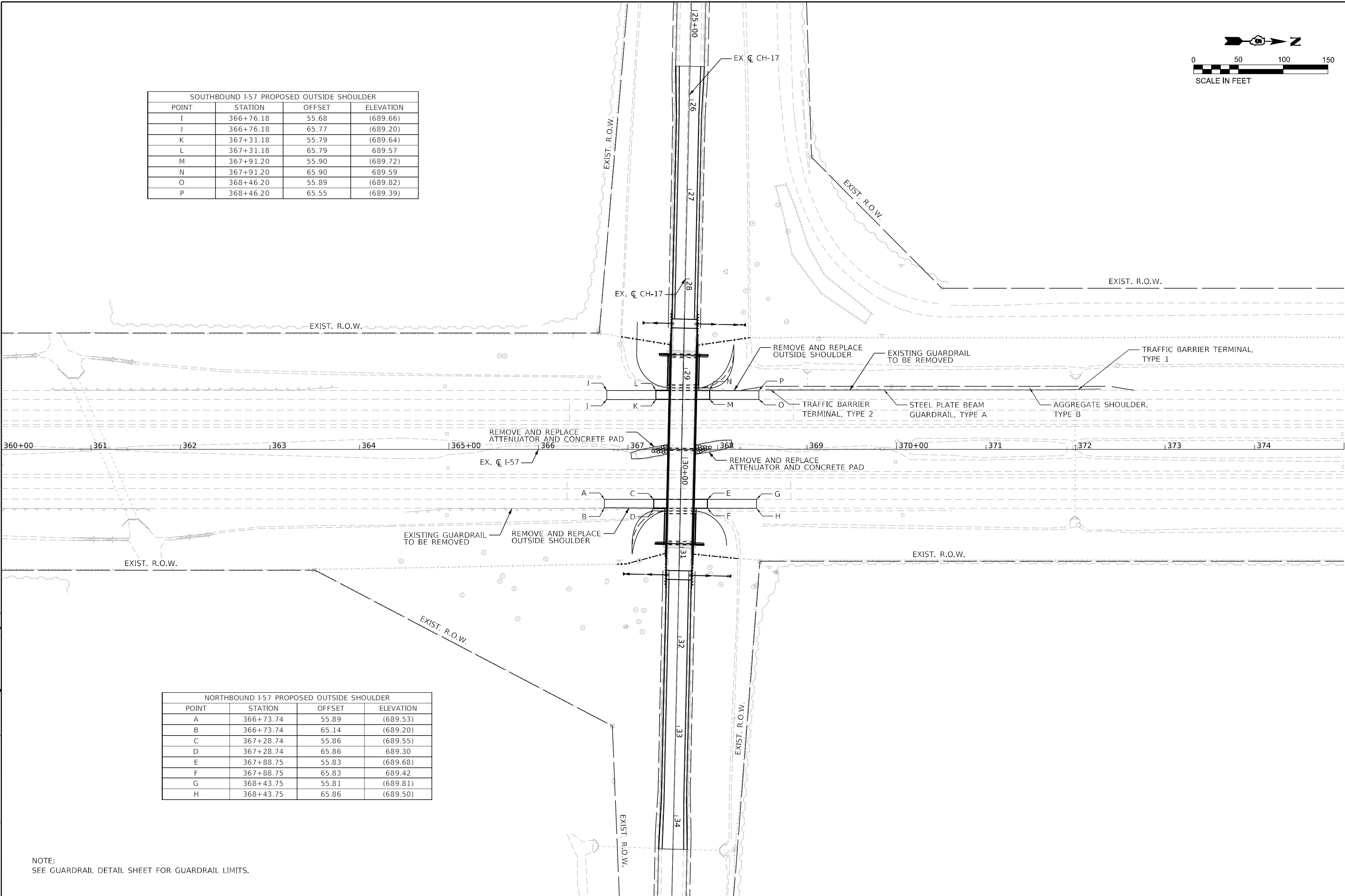
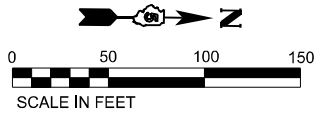
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE
CH-17

SCALE: 1"=50' SHEET 1 OF 3 SHEETS STA. 22+50 TO STA. 37+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	19
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				

SOUTHBOUND I-57 PROPOSED OUTSIDE SHOULDER			
POINT	STATION	OFFSET	ELEVATION
I	366+76.18	55.68	(689.66)
J	366+76.18	65.77	(689.20)
K	367+31.18	55.79	(689.64)
L	367+31.18	65.79	689.57
M	367+91.20	55.90	(689.72)
N	367+91.20	65.90	689.59
O	368+46.20	55.89	(689.82)
P	368+46.20	65.55	(689.39)



NORTHBOUND I-57 PROPOSED OUTSIDE SHOULDER			
POINT	STATION	OFFSET	ELEVATION
A	366+73.74	55.89	(689.53)
B	366+73.74	65.14	(689.20)
C	367+28.74	55.86	(689.55)
D	367+28.74	65.86	689.30
E	367+88.75	55.83	(689.68)
F	367+88.75	65.83	689.42
G	368+43.75	55.81	(689.81)
H	368+43.75	65.86	(689.50)

NOTE:
SEE GUARDRAIL DETAIL SHEET FOR GUARDRAIL LIMITS.

MODEL: T:\TRG\Business\Clients\DOT\Projects\2024\PTB 195-041 I-57 Bridge\400 CADD\CAD_Sheets\DS70908-sch-01-I57.dgn
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	DRAWN - MRT	REVISED -
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PLOT DATE = 3/22/2023	DATE - 03/20/2023	REVISED -

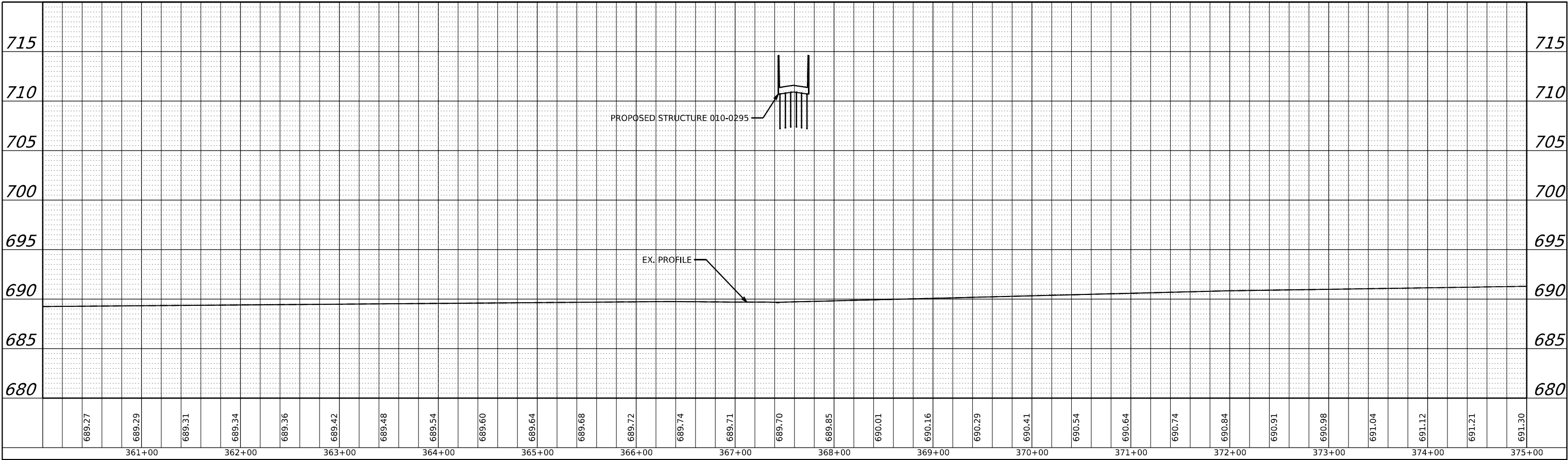
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN
I-57

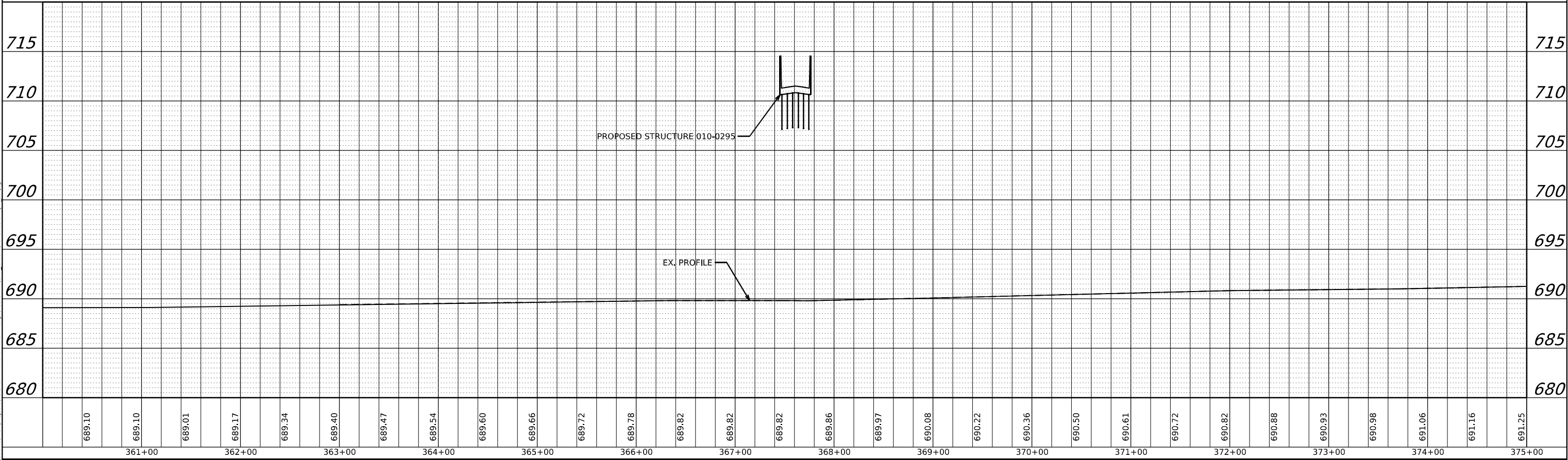
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	20	20
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5		ILLINOIS	FED. AID PROJECT	

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



PROFILE		DATE	
NOTE BOOK		BY	
NO.			



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PLOT DATE	= 3/22/2023	DATE -	03/20/2023	REVISED -	

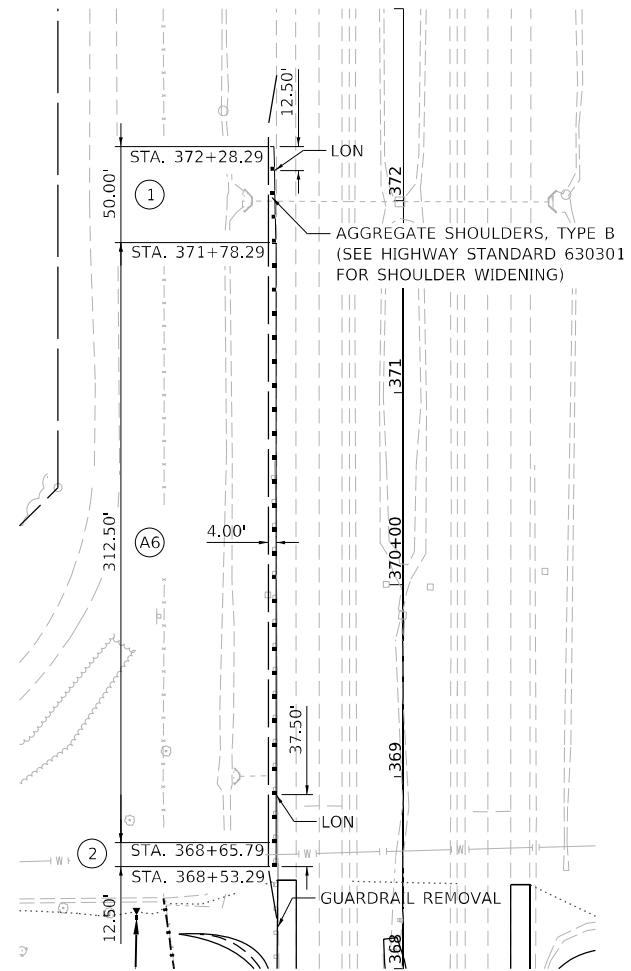
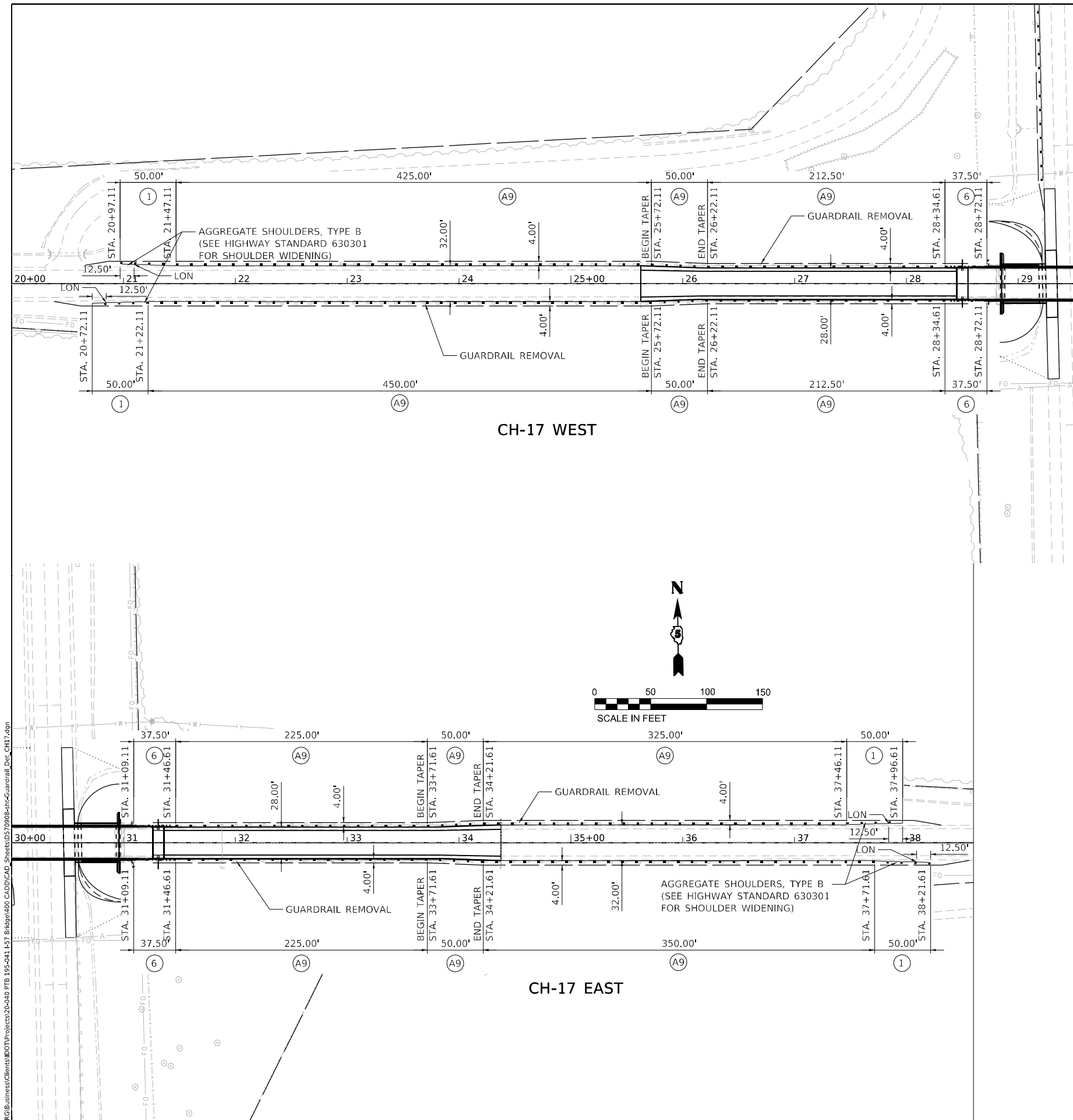
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PROFILE
I-57

SCALE: 1"=50' SHEET 3 OF 3 SHEETS STA. 360+00 TO STA. 375+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	21
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

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LEGEND	
①	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
②	TRAFFIC BARRIER TERMINAL, TYPE 2
⑥	TRAFFIC BARRIER TERMINAL, TYPE 6
Ⓐ6	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
Ⓐ9	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
LON	LENGTH OF NEED POINT



USER NAME	= MatthewToussaint
PLOT SCALE	= 0.16666633 1/ in.
PLOT DATE	= 3/22/2023

DESIGNED	- MRT
DRAWN	- MRT
CHECKED	- CJD
DATE	- 03/20/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

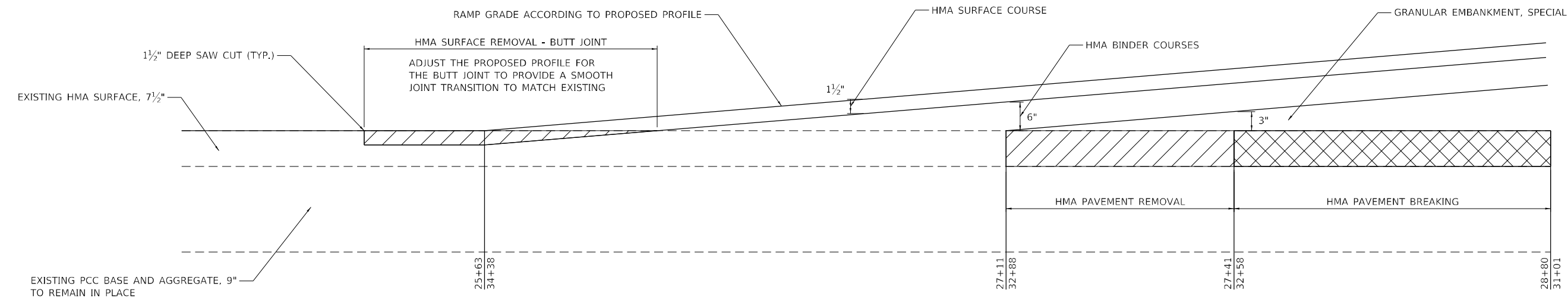
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GUARDRAIL DETAILS

SCALE: 1" = 50'	SHEET 4	OF 5 SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	22
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5		ILLINOIS FED. AID PROJECT		

MODEL: T:\TRG\Business\Clients\MDOT\Projects\2024\040_PTB 195-041 I-57 Bridge\400_CADD\CAD_Sheets\DS70908-shc-ButtJointDetail.dgn
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BUTT JOINT DETAIL
COUNTY HIGHWAY 17

STA. 25+53.00 TO STA. 26+29.00
STA. 33+70.00 TO STA. 34+48.00

NOTE:
SAW CUT IS INCLUDED IN COST OF
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT.



USER NAME	= MatthewToussaint	DESIGNED -	MRT	REVISED -	
DRAWN -	MRT	REVISED -			
PLOT SCALE	= 0.16666633 1/1 in.	CHECKED -	CJD	REVISED -	
PLOT DATE	= 3/22/2023	DATE -	03/20/2023	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT DETAIL

SCALE: SHEET 5 OF 5 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	23
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5		ILLINOIS	FED. AID PROJECT	

MODEL Path: Z:\Share\Projects\DOT\15-04-19_Parkway20-Artwork\03_Design\02_CADD_Sheet\15-04-19_Parkway20-Artwork.dgn
FILE NAME: 15-04-19_Parkway20-Artwork.dgn

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE MAINTENANCE OF TRAFFIC OF THIS PROJECT WITH OTHER PROJECTS IN ADJACENT SECTION. SEE TRAFFIC CONTROL SPECIAL PROVISIONS FOR COORDINATION REQUIREMENTS.
2. ALL TRAFFIC CONTROL DEVICES (BARREL/BARRICADES/PANELS) SHALL BE IN NEW OR LIKE NEW CONDITION. WHEN THE DEVICES BECOME WORN, DIRTY, FADED, OR OTHERWISE DEEMED NO LONGER IN LIKE NEW CONDITION BY THE ENGINEER, THE DEVICE WILL BE REFURBISHED, CLEANED, OR REPLACED.
3. ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC SHALL MEET MASH REQUIREMENTS. THE CONTRACTOR SHALL SUPPLY THE ENGINEER WITH PAPERWORK CERTIFYING THAT THIS REQUIREMENT IS MET PRIOR TO THE INSTALLATION OF ANY TRAFFIC CONTROL DEVICES.
4. ALL DRUMS, VERTICAL PANELS AND BARRICADES PLACED IMMEDIATELY ADJACENT TO THE EDGE OF TRAVELED WAY SHALL BE EQUIPPED WITH STEADY BURN MONO-DIRECTIONAL LAMPS.
5. PRIOR TO BEGINNING ANY CONSTRUCTION, THE CONTRACTOR SHALL BE REQUIRED TO ATTEND A TRAFFIC CONTROL MEETING TO ASCERTAIN THE EXACT SCHEDULING OF THE TRAFFIC STAGES AN ANY INTERMEDIATE CHANGES NECESSARY. IF AN ALTERNATE TRAFFIC PATTERN IS REQUIRED WITHIN THIS CONTRACT, THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC DEVIANCE PLAN FOR APPROVAL BY THE RESIDENT ENGINEER AND THE DISTRICT. FOR ADDITIONAL INFORMATION REGARDING COORDINATION SEE STANDARD SPECIFICATION ARTICLE 701.04.
6. TEMPORARY, OFF-PEAK HOUR LANE CLOSURES MUST BE REQUESTED THROUGH THE ENGINEER AND AS SPECIFIED IN THE SPECIAL PROVISIONS. WHEN OFF-PEAK HOUR OR WEEKEND LANE CLOSURES ARE REQUIRED, A TRAILER MOUNTED FULL MATRIX PORTABLE CHANGEABLE MESSAGE SIGN SHALL BE INSTALLED ONE WEEK PRIOR TO THE CLOSURE. COST TO BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION. THE MESSAGE SIGN WORDING AND LOCATION WILL BE DETERMINED BY THE ENGINEER.
7. ANY SIGNS THAT ARE TO BE IN PLACE FOR MORE THAN FOUR DAYS SHALL BE POST MOUNTED WHEN FEASIBLE AS DETERMINED BY THE ENGINEER.
8. ALL ADVANCE "ROAD WORK" SIGNS, W20-1 SERIES, AS SHOWN ON THE PLANS, REFERENCED IN THE STANDARDS OR DIRECTED BY THE ENGINEER, SHALL BE EQUIPPED WITH A TYPE B MONODIRECTIONAL FLASHING LIGHT. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION.
9. THE ENGINEER SHALL DETERMINE THE LOCATIONS OF TRAILER MOUNTED FULL MATRIX PORTABLE CHANGEABLE MESSAGE SIGNS.
10. BARRICADE: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
11. BARRIER DELINEATORS SHALL BE PLACED AT 25' C-C ON GUARDRAIL, PARAPETS AND ON TEMPORARY CONCRETE BARRIERS WHERE TRAFFIC WILL BE ADJACENT TO THESE BARRIERS BASED ON THE MAINTENANCE OF TRAFFIC STAGING. DEPENDING ON THE LOCATION OF ADJACENT TRAFFIC, THE BARRIER DELINEATORS WILL BE PAID FOR AS THE FOLLOWING:
 - BARRIER WALL REFLECTORS, TYPE C
12. CHANGEABLE MESSAGE SIGNS REQUIRED PER STANDARDS SHALL NOT BE PAID FOR SEPARATELY BUT INCLUDE IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)
13. THE CONTRACTOR SHALL RELOCATE OR COVER ALL EXISTING, AND PROPOSED SIGNS THAT CONFLICT WITH THE CURRENT CONSTRUCTION STAGE. SIGNS THAT DO NOT CONFLICT WITH THE CURRENT CONSTRUCTION STAGE AND ARE NOT MARKED FOR RELOCATION SHALL REMAIN AS PREVIOUSLY CONFIGURED. THIS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT COST OF TRAFFIC CONTROL AND PROTECTION.
14. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE IDOT SAFETY ENGINEERING POLICY MEMORANDUM 4-21.
15. TEMPORARY MAINLINE TRAFFIC CONFIGURATIONS SHALL INCLUDE 2-12' WIDE LANES WITH 2' (MINIMUM) WIDE LEFT AND RIGHT SHOULDERS UNLESS SHOWN OTHERWISE HEREIN OR AS DIRECTED BY THE ENGINEER.
16. TEMPORARY BARRIER WALL SHALL BE INSTALLED AS DELINEATED ON THE M.O.T. PLAN SHEETS AND TYPICAL SECTIONS PRIOR TO THE START OF SUBSEQUENT STAGE WORK.
17. TEMPORARY CONCRETE BARRIER REMOVAL SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED TRAFFIC CONTROL AND PROTECTION (SPECIAL).
18. ALL TEMPORARY CONCRETE BARRIER SHALL BE SET UP DURING OFF-PEAK HOURS UNDER TEMPORARY LANE CLOSURES, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
19. TEMPORARY IMPACT ATTENUATOR SHALL BE TEST LEVEL 3.
20. ALL TEMPORARY BARRIER FLARES SHALL TRANSITION AWAY FROM TRAFFIC AT THE APPROACH END 12:1 OR FLATTER. ALL EXPOSED TEMPORARY BARRIER WALL TERMINALS SHALL BE PROTECTED WITH TEMPORARY ATTENUATION DEVICES ON THE APPROACH END.

21. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE AS REQUIRED OR AS DIRECTED BY THE ENGINEER THROUGHOUT THE CONSTRUCTION ZONE FOR THE PERIOD OF THE CONSTRUCTION.
22. WHEN PAVEMENT DROP-OFF IS TO REMAIN ADJACENT TO A LIVE TRAFFIC LANE, BARRICADES WITH PIPE EXTENSIONS SHALL BE USED TO ACHIEVE THE CORRECT ELEVATION.
23. USE END SHOE CONNECTIONS OR TEMPORARY TERMINAL END TREATMENTS TO JOIN TEMPORARY CONCRETE BARRIER TO EXISTING CONCRETE BARRIER OR RAILING, WHERE APPLICABLE AT LOCATIONS APPROVED BY THE ENGINEER. COST FOR THESE TEMPORARY CONNECTIONS TO BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION (SPECIAL).

MAINTENANCE OF TRAFFIC - SEQUENCE OF CONSTRUCTION

STAGE 1

CONSTRUCTION

1. REMOVE EXISTING COUNTY HIGHWAY 17 BRIDGE DECK OVER I-57 AND OUTSIDE PIERS.
2. REMOVE EXISTING SLOPE WALL AND EXISTING GUARD RAIL APPROACHING THE BRIDGE.

TRAFFIC CONTROL

1. INSTALL TRAFFIC CONTROL PROTECTION AND SIGNAGE ALONG COUNTY HIGHWAY 17 AS SHOWN ON THE PLANS PRIOR TO BEGINNING THE CLOSURE.
2. CLOSE COUNTY HIGHWAY 17 OVER I-57 AS SHOWN ON THE PLANS.
3. CONTRACTOR SHALL UTILIZE TEMPORARY LANE SINGLE LANE CLOSURE STANDARD 701400 AND 701401. DURING THE INSTALLATION OF TEMPORARY CONCRETE BARRIER.
4. MAINTAIN EXISTING 2 LANES OF I-57 IN NORTHBOUND AND SOUTHBOUND DIRECTION DURING THIS STAGE. TEMPORARY LANE CLOSURES SHALL BE IMPLEMENTED DURING THE TIME AS SPECIFIED IN THE SPECIAL PROVISION "OFF PEAK INTERSTATE SINGLE LANE CLOSURE".
5. CONTRACTOR SHALL UTILIZE OFF-PEAK 15 MINUTE INTERVAL INTERSTATE CLOSURES ONLY DURING THE REMOVAL OF CH17 GIRDERS.

STAGE 1A

CONSTRUCTION

1. REMOVE COUNTY HIGHWAY 17 BRIDGE CENTER PIER.
2. CONSTRUCT PROPOSED CENTER PIER FOR THE COUNTY HIGHWAY 17 BRIDGE.
3. CONSTRUCT ABUTMENTS FOR THE COUNTY HIGHWAY 17 BRIDGE.
4. CONSTRUCT SUPERSTRUCTURE FOR THE COUNTY HIGHWAY 17 BRIDGE.

TRAFFIC CONTROL

1. MAINTAIN EXISTING 2 LANES OF I-57 IN NORTHBOUND AND SOUTHBOUD DIRECTION DURING THE REMOVAL AND CONSTRUCTION OF COUNTY HIGHWAY 17 CENTER PIER AND OUTSIDE ABUTMENTS.
2. CONTRACTOR SHALL UTILIZE TEMPORARY LANE SINGLE LANE CLOSURE STANDARD 701400 AND 701401. DURING THE ERECTION OF GIRDERS. TEMPORARY LANE CLOSURES SHALL BE IMPLEMENTED DURING THE TIME AS SPECIFIED IN THE SPECIAL PROVISION "OFF PEAK INTERSTATE SINGLE LANE CLOSURE".
3. CONTRACTOR SHALL UTILIZE OFF-PEAK 15 MINUTE INTERVAL INTERSTATE CLOSURES ONLY DURING THE ERECTION OF CH17 GIRDERS.

STAGE 2

CONSTRUCTION

1. CONSTRUCT OUTSIDE SHOULDER ALONG I-57 AS SHOWN ON THE PLANS

TRAFFIC CONTROL

1. CONTRACTOR SHALL UTILIZE TEMPORARY LANE SINGLE LANE CLOSURE STANDARD 701400 AND 701401. DURING THE CONTRUCTION OF OUTSIDE SHOULDER.

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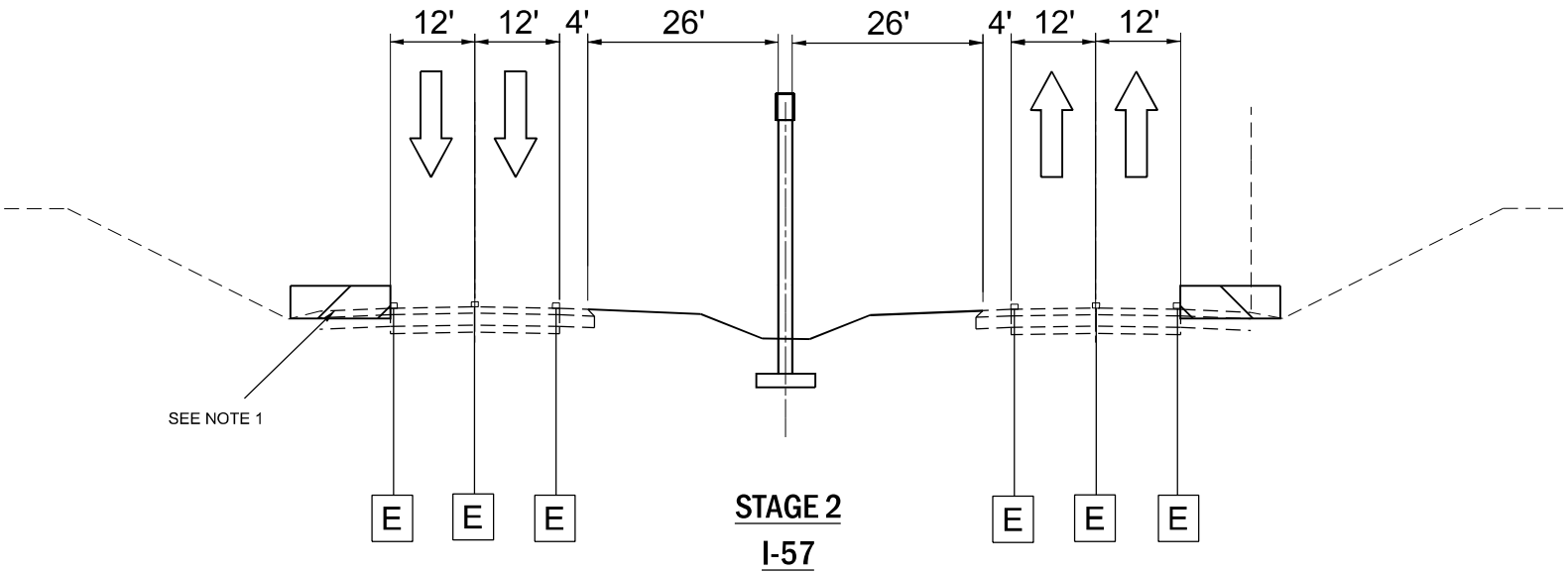
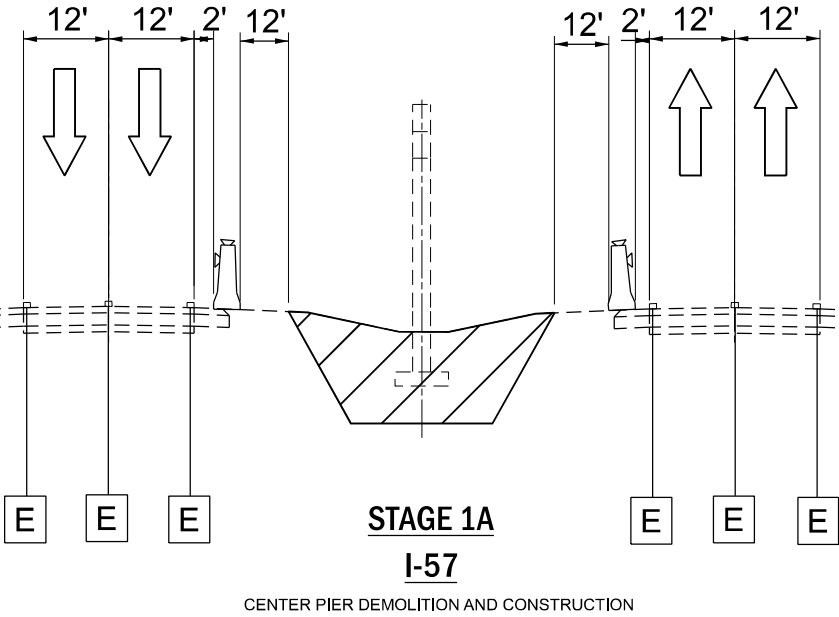
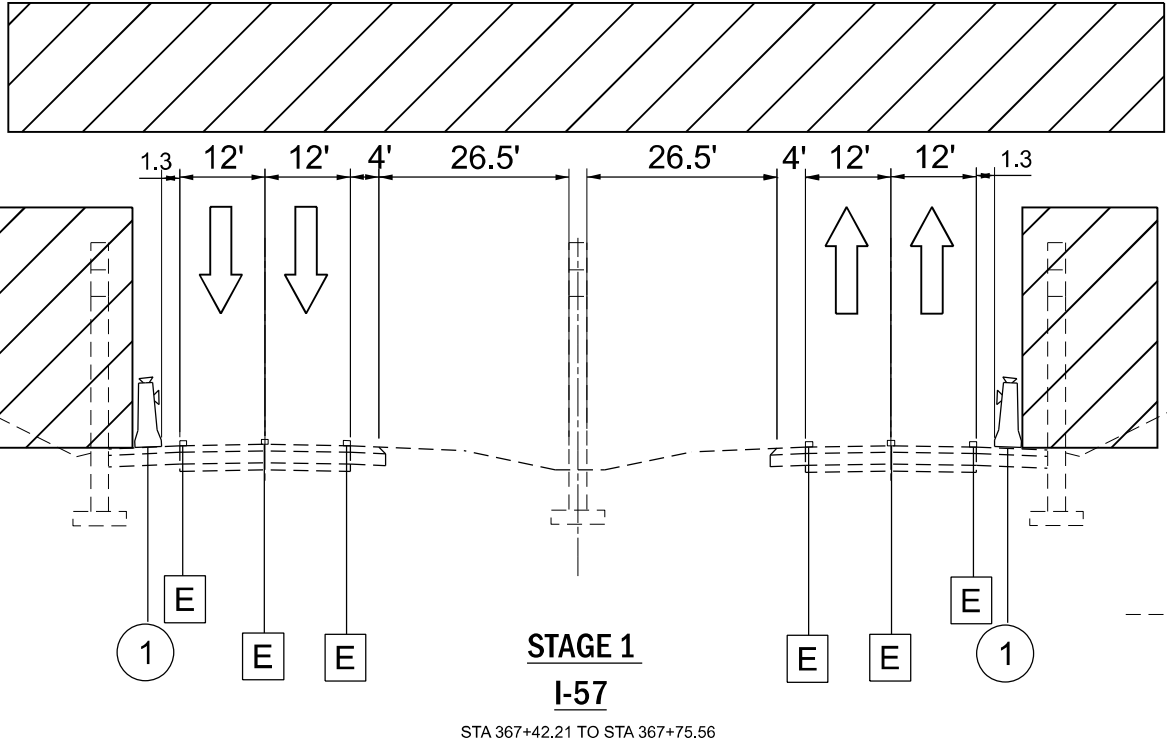
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	DRAWN -	REVISED -
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PLOT DATE = 3/20/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR SN 010-0295	CHAMPAIGN	65	25
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				



NOTE

1. OUTSIDE SHOULDER RECONSTRUCTION, CONTRACTOR SHOULD CLOSE OUTSIDE LANE DURING HOURS SPECIFIED IN "OFF PEAK SINGLE LANE CLOSURE" SPECIAL PROVISION.

LEGEND



WORK AREA



DIRECTION OF TRAFFIC



TEMPORARY CONCRETE BARRIER



EXISTING PAVEMENT MARKING TO REMAIN

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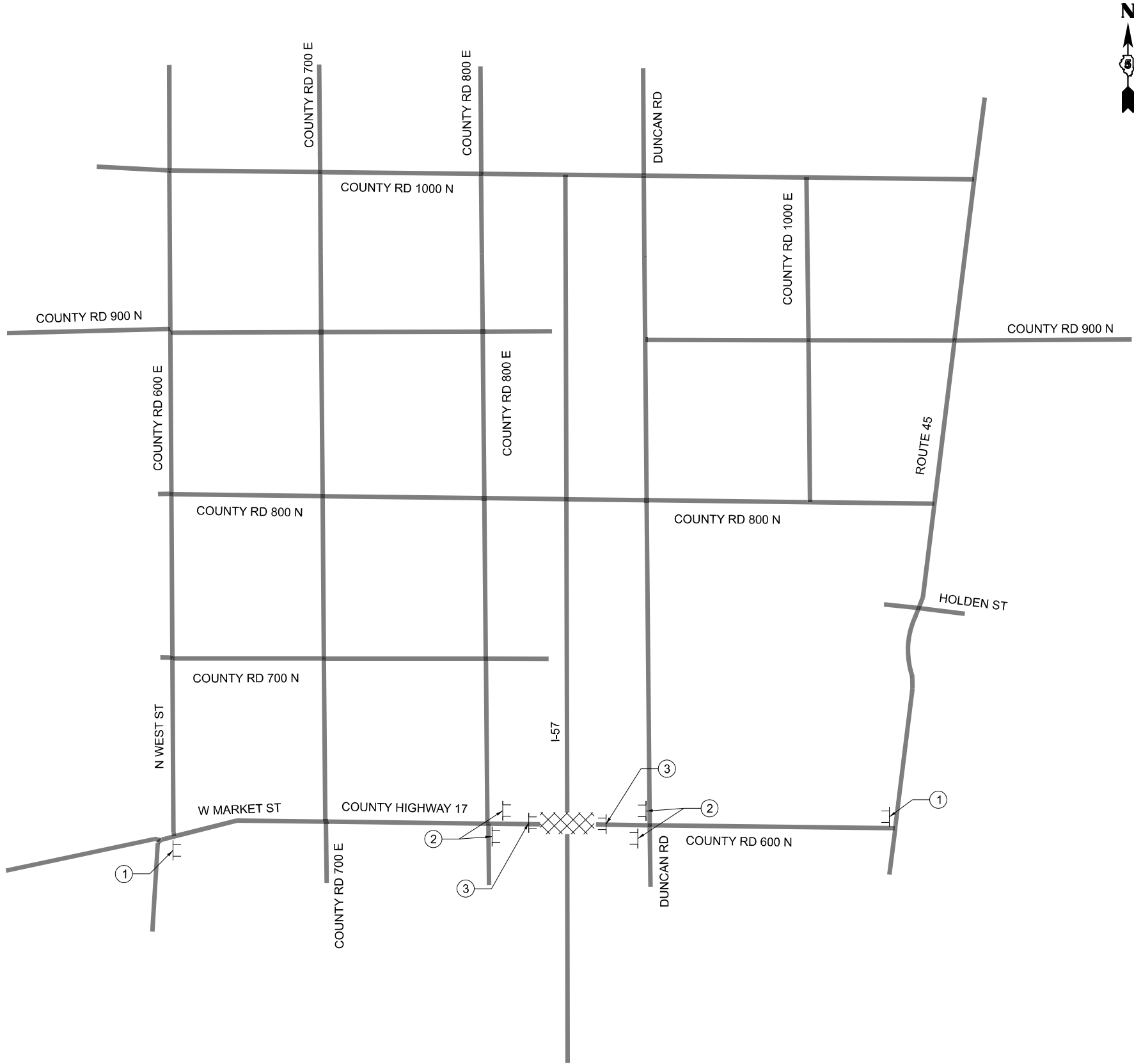
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DRAWN - _____	REVISED - _____	
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PLOT DATE = 3/20/2023	DATE - _____	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
ROAD CLOSURE ADVANCE SIGNAGE

SCALE: 1"=2000' SHEET 1 OF 1 SHEETS STA. _____ TO STA. _____

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	26
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD, DIST. NO. 5		ILLINOIS	FED. AID PROJECT	



ROAD CLOSED
2 MILES AHEAD
LOCAL TRAFFIC ONLY

R11-3b

1

ROAD CLOSED
TO
THRU TRAFFIC

R11-4

2

ROAD
CLOSED

R11-2

3

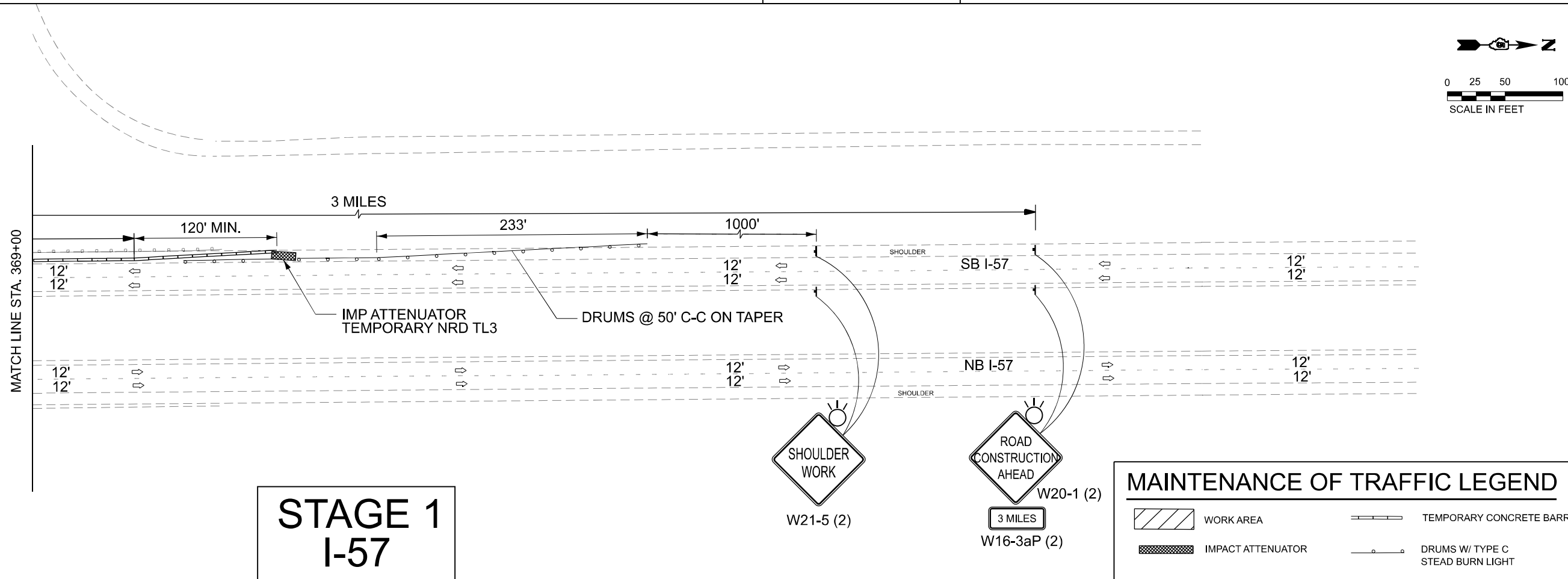
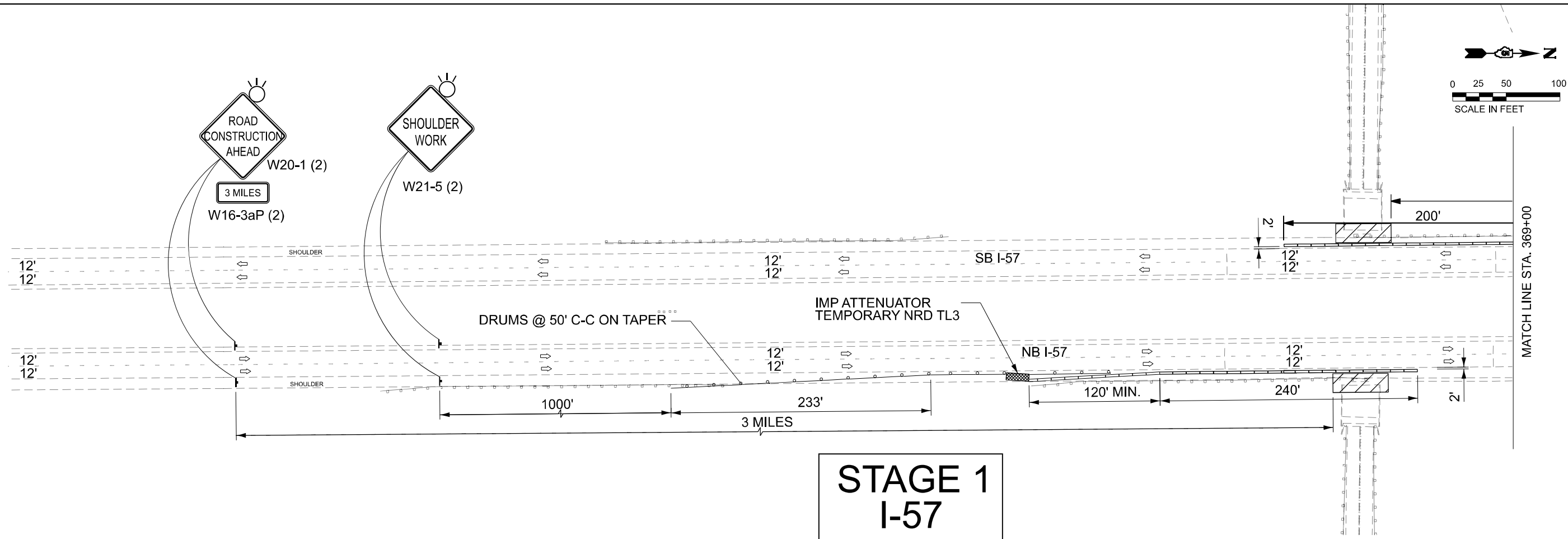
GENERAL NOTES

- ROAD CLOSURE DETAILS, APPROACH SIGN AND TRAFFIC CONTROL FOR DETOUR SHALL BE ACCORDING TO DISTRICT 5 DETAIL 70200000.
- TYPICAL SIGN SPACING SHOULD BE AS SHOWN ON DISTRICT 5 DETAIL NO. 70200000.
- THE COST FOR INSTALLATION OF TRAFFIC CONTROL AND PROTECTION AND SIGNAGE ALONG COUNTY HIGHWAY 17 WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".

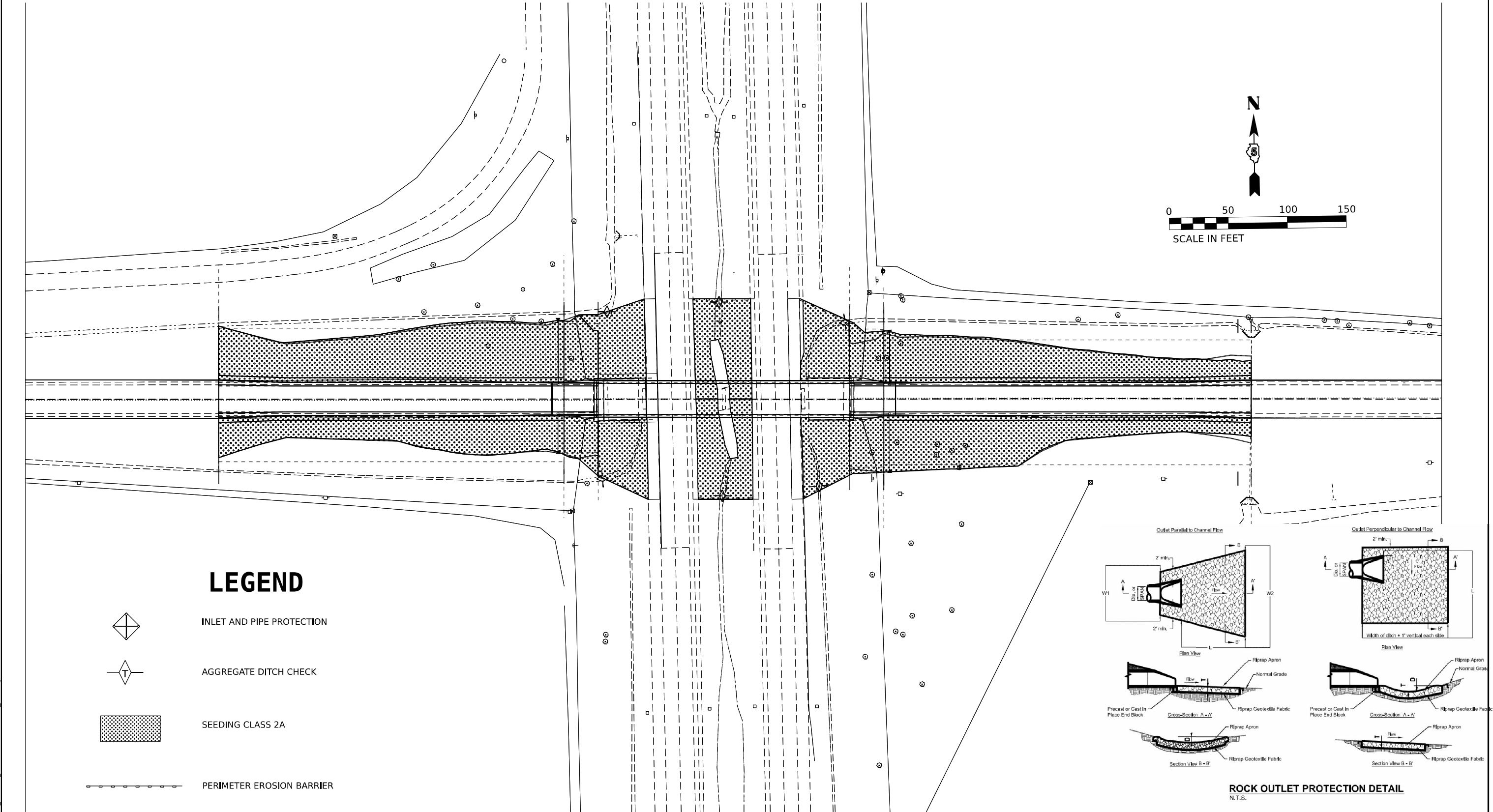
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TT TYPE III BARRICADE

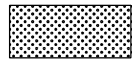
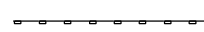
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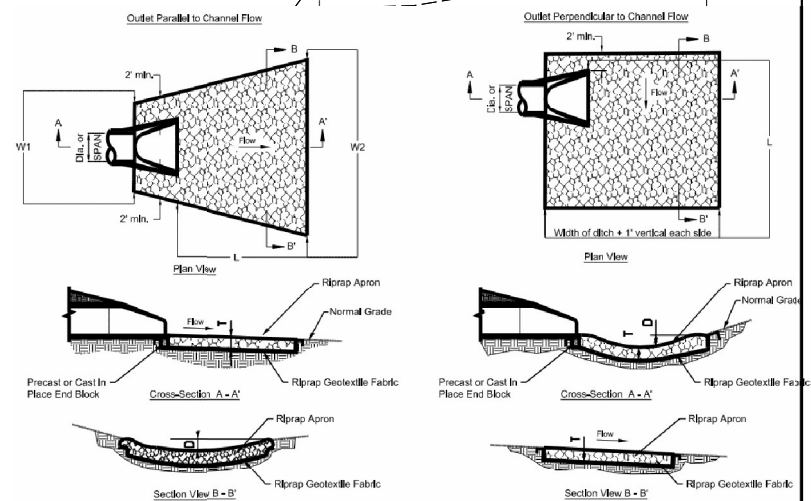


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LEGEND

-  INLET AND PIPE PROTECTION
-  AGGREGATE DITCH CHECK
-  SEEDING CLASS 2A
-  PERIMETER EROSION BARRIER



ROCK OUTLET PROTECTION DETAIL
N.T.S.

DIA. OF ROUND INLET PIPE (in)	IDOT R/RAP BED THICKNESS (RR)	R/RAP BED THICKNESS (in)	APRON LENGTH (ft)	APRON WIDTH UPSTREAM (ft)	APRON WIDTH DOWNSTREAM (ft)	DEPTH BELOW NORMAL GRADE
12	RR-3	15.0	12.0	5.0	11.0	5.0
15	RR-3	15.0	14.0	5.0	12.0	5.0
18	RR-3	15.0	16.0	5.5	13.5	7.0
24	RR-4	15.0	20.0	6.0	16.0	10.0
30	RR-4	20.0	22.0	6.0	17.0	11.0
36	RR-4	20.0	24.0	7.0	19.0	11.0

Kaskaskia
Engineering Group LLC
200 E. Main St., Suite 200
Bellaire, Illinois 62220
618.233.2877 phone
618.233.2877 fax
www.kaskaskiaeng.com
Professional Engineering Group

USER NAME = hpaproth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633" / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN
I-57 AT CH-17 BRIDGE REHABILITATION

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

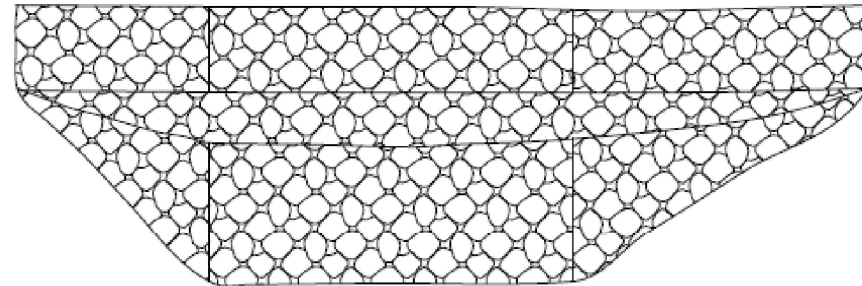
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	28
CONTRACT NO. 70908				

ILLINOIS FED. AID PROJECT

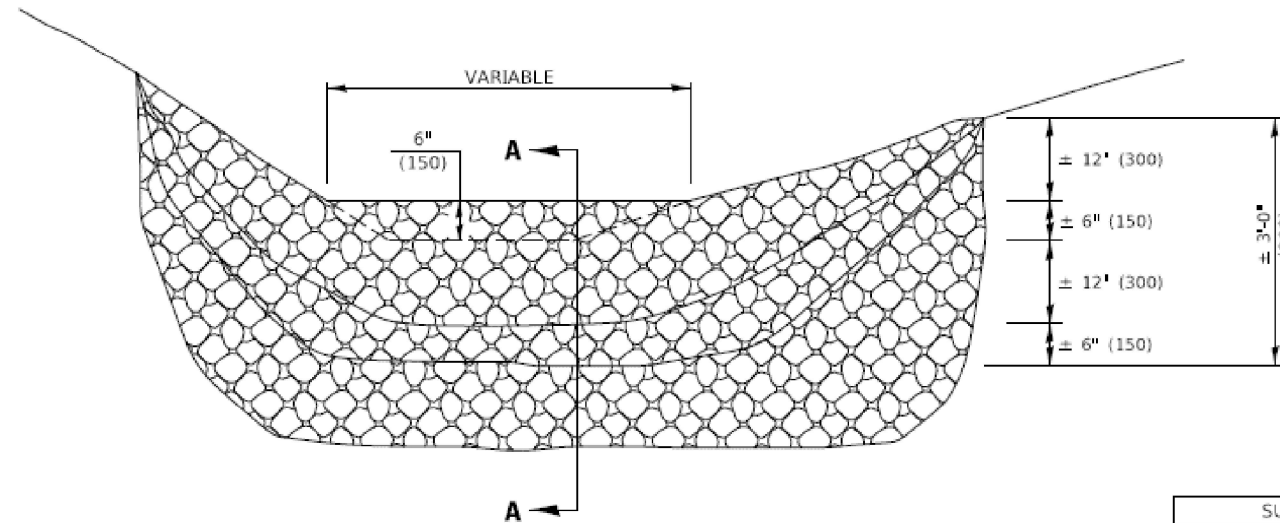
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DESIGNER NOTE: IF THE PROPOSED LOCATION OF THE DITCH CHECK IS WITHIN THE UNSHIELDED CLEAR ZONE OF THE TRAVELED WAY, OTHER TYPES OF EROSION CONTROL METHODS AND PROCEDURES SHOULD BE ANALYZED AND USED, IF POSSIBLE.

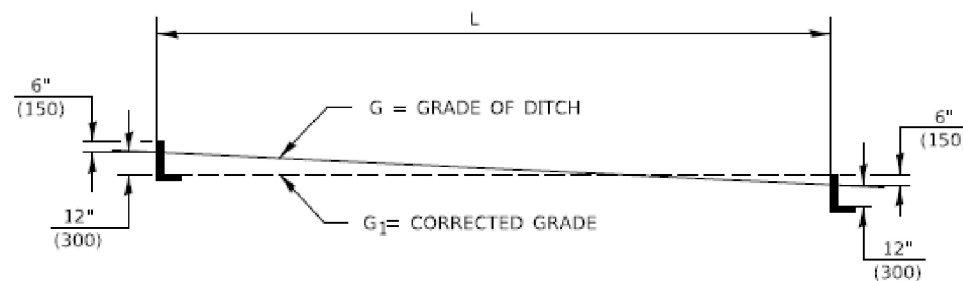
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PLAN



DOWNSTREAM ELEVATION



METHOD OF PLACING DITCH CHECKS

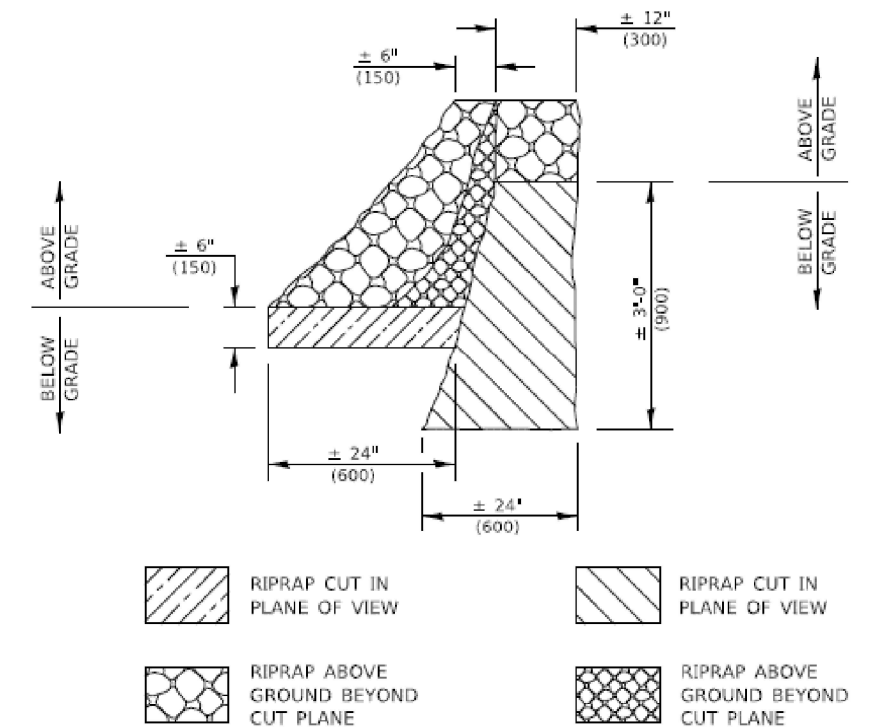
SUGGESTED VALUES OF G ₁	
TYPE OF SOIL	G ₁
COHESIVE SOILS	2.0%
SMALL GRAVEL TO SILT LOAM	1.0%
FINE SAND OR LIGHT SILT	0.5%

L = SPACING OF DITCH CHECKS IN FEET (METERS)
G = GRADE OF DITCH IN %
G₁ = GRADE ALLOWABLE FOR SOIL IN %

$$\text{THEN } L = \frac{1.5 \text{ FEET (0.45 m)} \times 100\%}{G - G_1}$$

GENERAL NOTES

- DITCH CHECKS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "STONE OR RIPRAP DITCH CHECKS", WHICH PRICE SHALL INCLUDE THE FURNISHING AND PLACING OF ALL MATERIALS FOR A COMPLETE INSTALLATION.
- INDIVIDUAL STONES OR BROKEN CONCRETE SHALL NOT BE LESS THAN 6" (150 mm) IN THEIR SMALLEST DIMENSION.
- THE STONE RIPRAP SHALL BE BONDED TOGETHER WITH MORTAR CONSISTING OF ONE PART CEMENT TO THREE PARTS OF SAND, WEIGHT MEASUREMENT.



SECTION A-A

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 28102630

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIPRAP DITCH CHECKS

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-57 UNDER CH17
EROSION CONTROL PLAN

SCALE: SHEET 000 OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	29
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				

USER NAME = hpaparth	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 0.16666633' / in.	CHECKED -	REVISED -
PLOT DATE = 3/22/2023	DATE -	REVISED -

Existing Structure: S.N. 010-0124 carrying Sadorus Road (CH-17) over I-57 was built in 1963 under Contract 22990 as Project I-57-5(28)222, Section (10-31)HB. The structure consists of four spans of a reinforced concrete deck on five 30WF124 steel girders on reinforced concrete piers and open abutments. The abutments are supported on concrete piles. The piers are supported on concrete footings. Back-to-back distance between abutments is 221'-6". The superstructure width is 26'-0" clear between the inside faces of the concrete curbs and 31'-8" out-to-out. The bridge is skewed 1°15'24" Right Forward. Structure to be removed and replaced.

All structural steel shall be metallized.

No salvage

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi (substructure concrete)
 $f'_c = 4,000$ psi (superstructure concrete)
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 50,000$ psi (M270 Grade 50)
 $f_y = 36,000$ psi (M270 Grade 36)

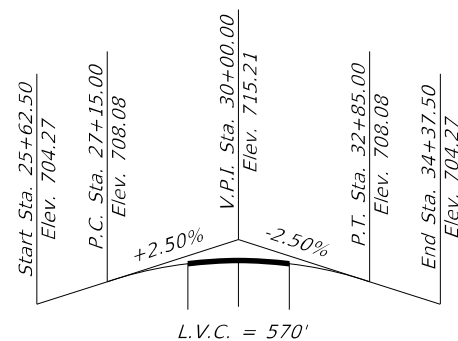
SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. ($S_{1.0}$) = 0.103g
Design Spectral Acceleration at 0.2 sec. ($S_{0.2}$) = 0.194g
Soil Site Class = C

LOADING HL-93

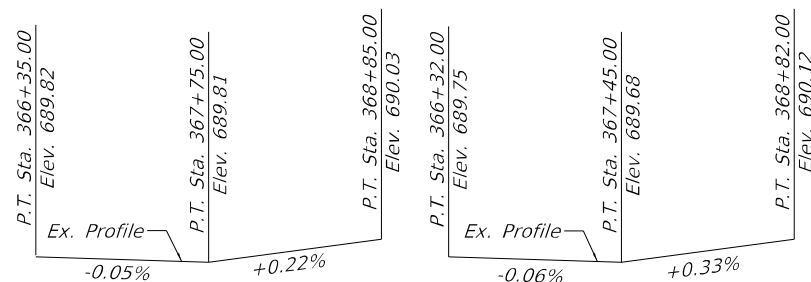
Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge
Design Specifications, 9th Edition

PROFILE GRADE

(F.A.S. 529 - C.H.17 along C Roadway)

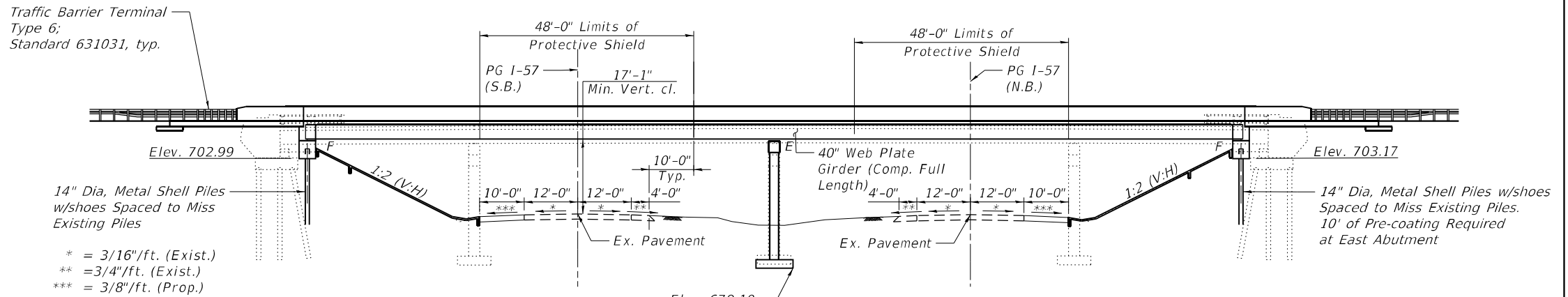


PROFILE GRADE

(F.A.I. Rte. 57 S.B.)

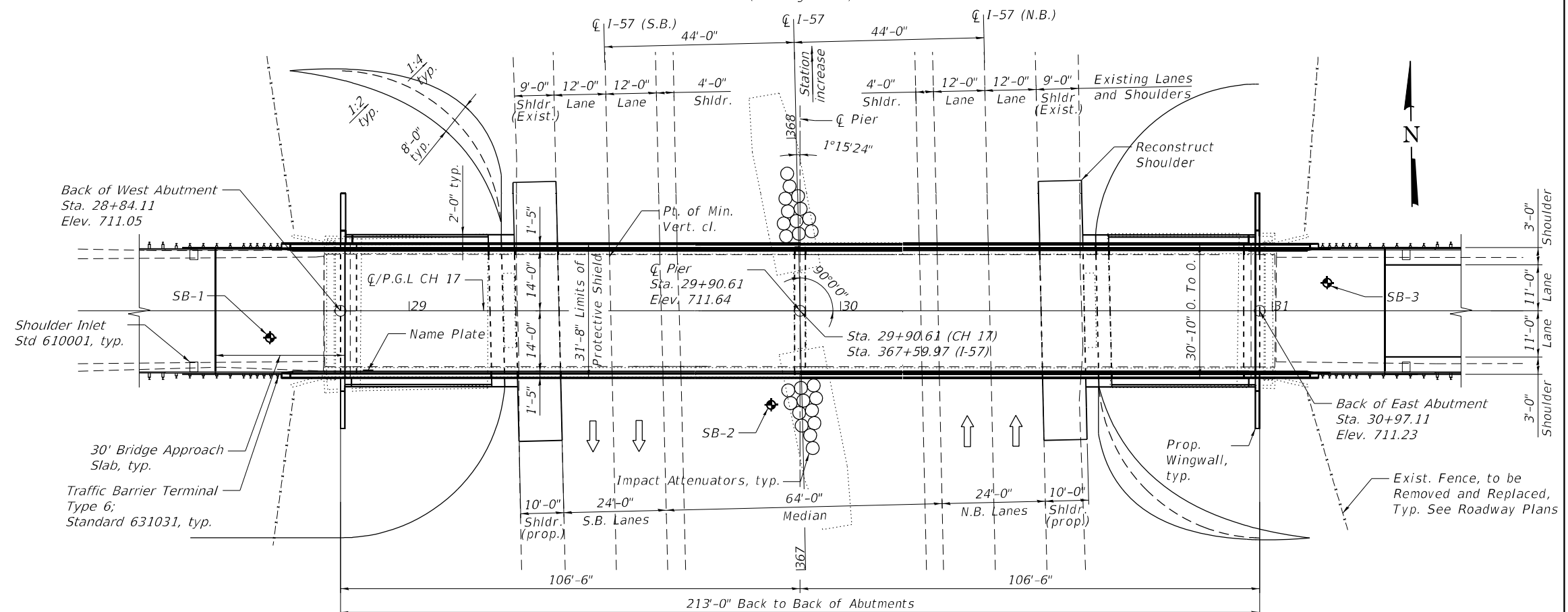
PROFILE GRADE

(F.A.I. Rte. 57 N.B.)



ELEVATION

(Looking North)



PLAN



Shawn Bradash
Date: 4-28-2023

S1-S10 & S16-S22

DESIGN ENGINEER

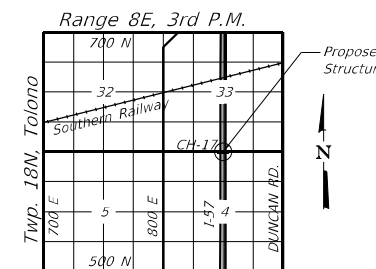


Seam Canyon
Date: 4-28-2028

S11-S15

DESIGN ENGINEER

Engineer of Bridges & Structures



LOCATION SKETCH

GENERAL PLAN AND ELEVATION

CH17 OVER I-57

F.A.I. ROUTE 57

SECTION (10-31HB)BR

CHAMPAIGN COUNTY

STATION 29+90.61

STRUCTURE NO. 010-0295

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	30
		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5		ILLINOIS	FED. AID PROJECT	

1. Fasteners shall be ASTM F3125 grade A325 Type 1, hot dipped galvanized steel bolts in metalized areas. Bolts $\frac{7}{8}$ " diameter, holes $\frac{15}{16}$ " diameter, unless otherwise noted. See special provisions for "Metalizing of Structural Steel"
2. Calculated weight of Structural Steel = 14,030 (M270 Grade 36)
= 232,030 (M270 Grade 50)
3. No Field welding is permitted except as specified in the contract documents.
4. Reinforcement bars designated (E) shall be epoxy coated.
5. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
6. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions address the presence of lead on this project.
7. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments..
8. All Structural steel shall be metalized unless noted otherwise. Steel components of bearings shall be galvanized as noted. See Special Provision for "Metalizing of Structural Steel".
9. Slope wall shall be reinforced with welded wire fabric. 6 in. x 6 in.
- W4.0 x W4.0 weighing 58 lbs. per 100 sq. ft.
10. Slipforming of parapets shall not be allowed.
11. All metalized structural steel shall be shop painted with System 1. See Special Provision for "Metalizing of Structural Steel".



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).

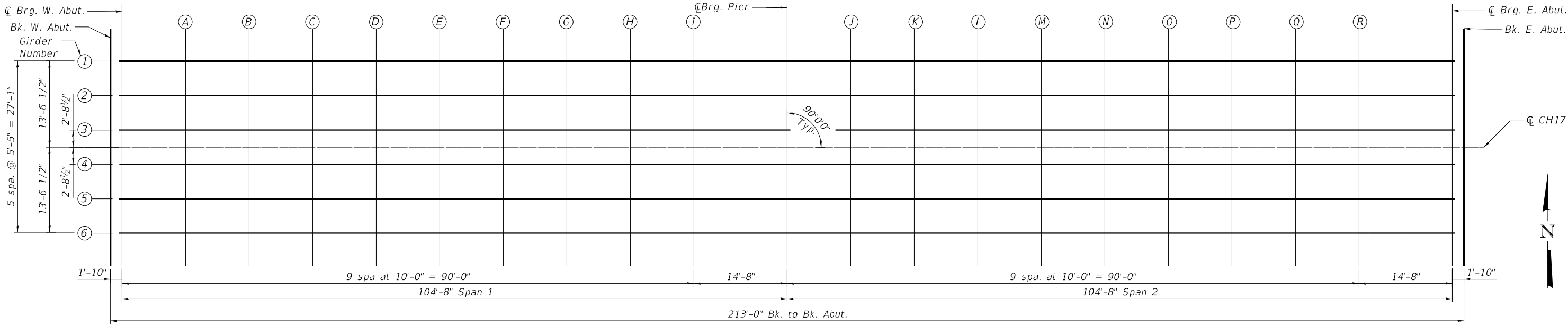


ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	EACH	-	-	1
Protective Shield	SQ YD	-	338	338
Structure Excavation	CU YD	-	270	270
Concrete Structures	CU YD	-	174	174
Concrete Superstructure	CU YD	262.4	-	262.4
Bridge Deck Grooving	SQ YD	783	-	783
Protective Coat	SQ.YD	1,053	-	1,053
Concrete Superstructure (Approach Slab)	CU YD	83.7	-	83.7
Furnishing and Erecting Structural Steel	L SUM	1	-	1
Stud Shear Connectors	EACH	2,484	-	2,484
Reinforcement Bars, Epoxy Coated	POUND	93,440	22,750	116,190
Mechanical Splicers	EACH	-	60	60
Slope Wall 4 Inch	SQ YD	-	319	319
Furnishing Metal Shell Piles 14" x 0.312"	FOOT	-	515	515
Driving Piles	FOOT	-	515	515
Test Pile Metal Shells	EACH	-	2	2
Pile Shoes	EACH	-	12	12
Name Plates	EACH	1	-	1
Elastomeric Bearing Assembly, Type 1	EACH	-	6	6
Anchor Bolts, 1"	EACH	-	36	36
Granular Backfill for Structures	CU YD	-	124	124
Geocomposite Wall Drain	SQ YD	-	58	58
Pipe Underdrain for Structures 4"	FOOT	-	128	128

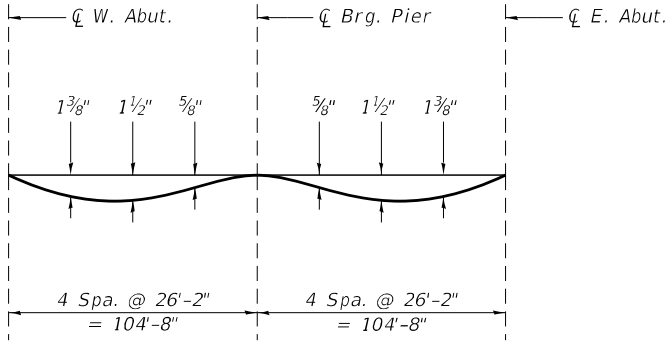
1. General Plan and Elevation	STATE
2. General Data	BUILT
3. Substructure Layout	STATE
4-5. Top of Deck Elevations	F.A.
6. Top of Approach Slab Elevations West	SEC. (1
7. Top of Approach Slab Elevations East	LOAD
8. Superstructure Plan and Cross Section	STR. NO
9. Superstructure Details	
10. Diaphragm Details	
11-12. Bridge Approach Slab Details	
13. Structural Steel	<u>NAME</u>
14. Structural Steel Details	(See ST
15. Bearing Details	
16. West Abutment Details	
17. East Abutment Details	
18. Pier Details	
19. Metal Shell Pile Details	
19A. Bar Splicer Assembly and Mechanical Splicer Details	
20-22. Soil Boring Logs	

NAME PLATE
(See Std. 515001)

<i>B.</i>	<i>Baseline</i>	<i>req'd</i>	<i>Required</i>	<i>min.</i>	<i>Minimum</i>
<i>C.</i>	<i>Centerline</i>	<i>sect.</i>	<i>Section</i>	<i>O.F.</i>	<i>Outside Face</i>
<i>const.</i>	<i>Construction</i>	<i>spec.</i>	<i>Specification</i>	<i>prop.</i>	<i>Proposed</i>
<i>conc.</i>	<i>Concrete</i>	<i>std.</i>	<i>Standard</i>	<i>rte.</i>	<i>Route</i>
<i>cts.</i>	<i>Centers</i>	<i>typ.</i>	<i>Typical</i>	<i>RET.</i>	<i>Retaining Wall</i>
<i>E.F.</i>	<i>Each Face</i>	<i>B.F.</i>	<i>Back Face</i>	<i>spa.</i>	<i>Spaces</i>
<i>exist.</i>	<i>Existing</i>	<i>cl.</i>	<i>Clearance</i>	<i>sta.</i>	<i>Station</i>
<i>F.F.</i>	<i>Front Face</i>	<i>Ø</i>	<i>Diameter</i>	<i>struct.</i>	<i>Structure</i>
<i>jt.</i>	<i>Joint</i>	<i>elev.</i>	<i>Elevation</i>	<i>PL</i>	<i>Plate</i>
<i>max.</i>	<i>Maximum</i>	<i>FL</i>	<i>Flow Line</i>	<i>o.c.</i>	<i>On Center</i>
<i>no.</i>	<i>Number</i>	<i>I.F.</i>	<i>Inside Face</i>	<i>U.N.</i>	<i>Unless Noted</i>
<i>PG</i>	<i>Profile Grade</i>	<i>long.</i>	<i>Longitudinal</i>		

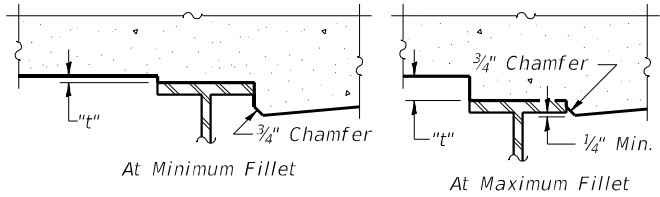


PLAN



DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete only)
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 this sheet and sheet 5 of 22.



To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown above. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown right and on sheet S-5, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS

GIRDER 1

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	28+84.11	-13.54	710.84	710.84
CL BRG. W. ABUT.	28+85.94	-13.54	710.86	710.86
A	28+95.94	-13.54	710.95	711.01
B	29+05.94	-13.54	711.04	711.14
C	29+15.94	-13.54	711.12	711.24
D	29+25.94	-13.54	711.19	711.32
E	29+35.94	-13.54	711.25	711.38
F	29+45.94	-13.54	711.30	711.41
G	29+55.94	-13.54	711.34	711.42
H	29+65.94	-13.54	711.38	711.42
I	29+75.94	-13.54	711.40	711.42
CL BRG. PIER	29+90.61	-13.54	711.43	711.43
J	30+00.61	-13.54	711.43	711.44
K	30+10.61	-13.54	711.42	711.46
L	30+20.61	-13.54	711.41	711.47
M	30+30.61	-13.54	711.39	711.48
N	30+40.61	-13.54	711.36	711.48
O	30+50.61	-13.54	711.32	711.45
P	30+60.61	-13.54	711.27	711.40
Q	30+70.61	-13.54	711.21	711.32
R	30+80.61	-13.54	711.14	711.22
CL BRG. E. ABUT.	30+95.27	-13.54	711.03	711.03
BK. E. ABUT.	30+97.11	-13.54	711.02	711.02

GIRDER 2

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	28+84.11	-8.12	710.93	710.93
CL BRG. W. ABUT.	28+85.94	-8.12	710.95	710.95
A	28+95.94	-8.12	711.05	711.10
B	29+05.94	-8.12	711.13	711.23
C	29+15.94	-8.12	711.21	711.34
D	29+25.94	-8.12	711.28	711.42
E	29+35.94	-8.12	711.34	711.47
F	29+45.94	-8.12	711.39	711.50
G	29+55.94	-8.12	711.44	711.52
H	29+65.94	-8.12	711.47	711.52
I	29+75.94	-8.12	711.50	711.52
CL BRG. PIER	29+90.61	-8.12	711.52	711.52
J	30+00.61	-8.12	711.52	711.53
K	30+10.61	-8.12	711.52	711.55
L	30+20.61	-8.12	711.50	711.57
M	30+30.61	-8.12	711.48	711.58
N	30+40.61	-8.12	711.45	711.57
O	30+50.61	-8.12	711.41	711.54
P	30+60.61	-8.12	711.36	711.49
Q	30+70.61	-8.12	711.30	711.41
R	30+80.61	-8.12	711.24	711.31
CL BRG. E. ABUT.	30+95.27	-8.12	711.12	711.12
BK. E. ABUT.	30+97.11	-8.12	711.11	711.11

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	CHECKED - STB	REVISED -
PLOT SCALE =	DRAWN - NMB	REVISED -
PLOT DATE = 5/4/2023	CHECKED - STB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATIONS 1
STRUCTURE NO. 010-0295

SHEET 54 OF 522 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	33
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				

MODEL: T:\TIG\Business\Clients\DOT\Projects\30+040_PTB_195-041_1+57 Bridge\400_CADD\CAD_Sheets\30+040-T05E2.dgn
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GIRDER 3

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	28+84.11	-2.71	711.01	711.01
CL BRG. W. ABUT.	28+85.94	-2.71	711.03	711.03
A	28+95.94	-2.71	711.13	711.18
B	29+05.94	-2.71	711.22	711.31
C	29+15.94	-2.71	711.29	711.42
D	29+25.94	-2.71	711.36	711.50
E	29+35.94	-2.71	711.42	711.55
F	29+45.94	-2.71	711.48	711.58
G	29+55.94	-2.71	711.52	711.60
H	29+65.94	-2.71	711.55	711.60
I	29+75.94	-2.71	711.58	711.60
CL BRG. PIER	29+90.61	-2.71	711.60	711.60
J	30+00.61	-2.71	711.60	711.61
K	30+10.61	-2.71	711.60	711.63
L	30+20.61	-2.71	711.59	711.65
M	30+30.61	-2.71	711.56	711.66
N	30+40.61	-2.71	711.53	711.65
O	30+50.61	-2.71	711.49	711.63
P	30+60.61	-2.71	711.44	711.57
Q	30+70.61	-2.71	711.39	711.50
R	30+80.61	-2.71	711.32	711.39
CL BRG. E. ABUT.	30+95.27	-2.71	711.21	711.21
BK. E. ABUT.	30+97.11	-2.71	711.19	711.19

CL CH 17 & PGL

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	28+84.11	0.00	711.06	711.06
CL BRG. W. ABUT.	28+85.94	0.00	711.07	711.07
A	28+95.94	0.00	711.17	711.22
B	29+05.94	0.00	711.26	711.35
C	29+15.94	0.00	711.33	711.46
D	29+25.94	0.00	711.40	711.54
E	29+35.94	0.00	711.46	711.59
F	29+45.94	0.00	711.52	711.62
G	29+55.94	0.00	711.56	711.64
H	29+65.94	0.00	711.59	711.64
I	29+75.94	0.00	711.62	711.64
CL BRG. PIER	29+90.61	0.00	711.64	711.64
J	30+00.61	0.00	711.64	711.65
K	30+10.61	0.00	711.64	711.67
L	30+20.61	0.00	711.63	711.69
M	30+30.61	0.00	711.60	711.70
N	30+40.61	0.00	711.57	711.69
O	30+50.61	0.00	711.53	711.67
P	30+60.61	0.00	711.48	711.61
Q	30+70.61	0.00	711.43	711.54
R	30+80.61	0.00	711.36	711.43
CL BRG. E. ABUT.	30+95.27	0.00	711.25	711.25
BK. E. ABUT.	30+97.11	0.00	711.23	711.23

GIRDER 4

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	28+84.11	2.71	711.01	711.01
CL BRG. W. ABUT.	28+85.94	2.71	711.03	711.03
A	28+95.94	2.71	711.13	711.18
B	29+05.94	2.71	711.22	711.31
C	29+15.94	2.71	711.29	711.42
D	29+25.94	2.71	711.36	711.50
E	29+35.94	2.71	711.42	711.55
F	29+45.94	2.71	711.48	711.58
G	29+55.94	2.71	711.52	711.60
H	29+65.94	2.71	711.55	711.60
I	29+75.94	2.71	711.58	711.60
CL BRG. PIER	29+90.61	2.71	711.60	711.60
J	30+00.61	2.71	711.60	711.61
K	30+10.61	2.71	711.60	711.63
L	30+20.61	2.71	711.59	711.65
M	30+30.61	2.71	711.56	711.66
N	30+40.61	2.71	711.53	711.65
O	30+50.61	2.71	711.49	711.63
P	30+60.61	2.71	711.44	711.57
Q	30+70.61	2.71	711.39	711.50
R	30+80.61	2.71	711.32	711.39
CL BRG. E. ABUT.	30+95.27	2.71	711.21	711.21
BK. E. ABUT.	30+97.11	2.71	711.19	711.19

GIRDER 5

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	28+84.11	8.13	710.93	710.93
CL BRG. W. ABUT.	28+85.94	8.13	710.95	710.95
A	28+95.94	8.13	711.05	711.10
B	29+05.94	8.13	711.13	711.23
C	29+15.94	8.13	711.21	711.34
D	29+25.94	8.13	711.28	711.42
E	29+35.94	8.13	711.34	711.47
F	29+45.94	8.13	711.39	711.50
G	29+55.94	8.13	711.44	711.52
H	29+65.94	8.13	711.47	711.52
I	29+75.94	8.13	711.50	711.52
CL BRG. PIER	29+90.61	8.13	711.52	711.52
J	30+00.61	8.13	711.52	711.53
K	30+10.61	8.13	711.52	711.55
L	30+20.61	8.13	711.50	711.57
M	30+30.61	8.13	711.48	711.58
N	30+40.61	8.13	711.45	711.57
O	30+50.61	8.13	711.41	711.54
P	30+60.61	8.13	711.36	711.49
Q	30+70.61	8.13	711.30	711.41
R	30+80.61	8.13	711.24	711.31
CL BRG. E. ABUT.	30+95.27	8.13	711.12	711.12
BK. E. ABUT.	30+97.11	8.13	711.11	711.11

GIRDER 6

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS	THEORETICAL GRADE ELEVATIONS ADJUSTED FOR DEAD LOAD DEFLECTION
BK. W. ABUT.	28+84.11	13.54	710.84	710.84
CL BRG. W. ABUT.	28+85.94	13.54	710.86	710.86
A	28+95.94	13.54	710.95	711.01
B	29+05.94	13.54	711.04	711.14
C	29+15.94	13.54	711.12	711.24
D	29+25.94	13.54	711.19	711.32
E	29+35.94	13.54	711.25	711.38
F	29+45.94	13.54	711.30	711.41
G	29+55.94	13.54	711.34	711.42
H	29+65.94	13.54	711.38	711.42
I	29+75.94	13.54	711.40	711.42
CL BRG. PIER	29+90.61	13.54	711.43	711.43
J	30+00.61	13.54	711.43	711.44
K	30+10.61	13.54	711.42	711.46
L	30+20.61	13.54	711.41	711.47
M	30+30.61	13.54	711.39	711.48
N	30+40.61	13.54	711.36	711.48
O	30+50.61	13.54	711.32	711.45
P	30+60.61	13.54	711.27	711.40
Q	30+70.61	13.54	711.21	711.32
R	30+80.61	13.54	711.14	711.22
CL BRG. E. ABUT.	30+95.27	13.54	711.03	711.03
BK. E. ABUT.	30+97.11	13.54	711.02	711.02



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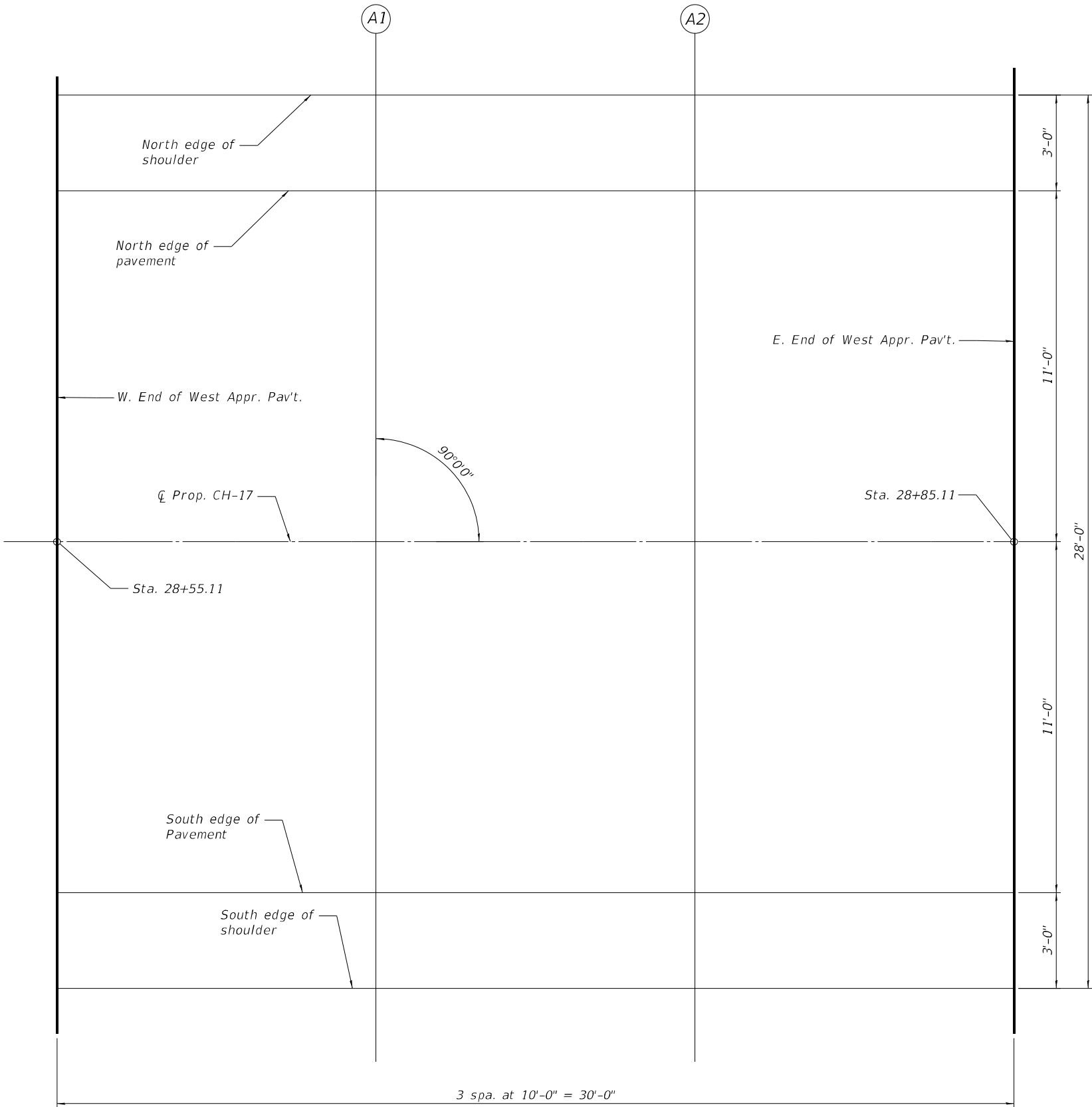
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF DECK ELEVATIONS 2
STRUCTURE NO. 010-0295

SHEET 55 OF 522 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	34
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

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PLAN

N. EDGE OF SHOULDER

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
W. END W. APPR. PAV'T.	28+55.11	-14.00	710.50
A1	28+65.11	-14.00	710.62
A2	28+75.11	-14.00	710.74
E. END W. APPR. PAV'T.	28+85.11	-14.00	710.84

N. EDGE OF PAVEMENT

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
W. END W. APPR. PAV'T.	28+55.11	-11.00	710.56
A1	28+65.11	-11.00	710.68
A2	28+75.11	-11.00	710.80
E. END W. APPR. PAV'T.	28+85.11	-11.00	710.90

CL PROP. CH-17

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
W. END W. APPR. PAV'T.	28+55.11	0.00	710.72
A1	28+65.11	0.00	710.85
A2	28+75.11	0.00	710.96
E. END W. APPR. PAV'T.	28+85.11	0.00	711.07

S. EDGE OF PAVEMENT

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
W. END W. APPR. PAV'T.	28+55.11	11.00	710.56
A1	28+65.11	11.00	710.68
A2	28+75.11	11.00	710.80
E. END W. APPR. PAV'T.	28+85.11	11.00	710.90

S. EDGE OF SHOULDER

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
W. END W. APPR. PAV'T.	28+55.11	14.00	710.50
A1	28+65.11	14.00	710.62
A2	28+75.11	14.00	710.74
E. END W. APPR. PAV'T.	28+85.11	14.00	710.84



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF WEST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 010-0295

SHEET S6 OF S22 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	35
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

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N. EDGE OF SHOULDER

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
W. END E. APPR. PAV'T.	30+96.11	-14.00	711.01
A3	31+06.11	-14.00	710.93
A4	31+16.11	-14.00	710.83
E. END E. APPR. PAV'T.	31+26.11	-14.00	710.72

N. EDGE OF PAVEMENT

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
W. END E. APPR. PAV'T.	30+96.11	-11.00	711.07
A3	31+06.11	-11.00	710.99
A4	31+16.11	-11.00	710.89
E. END E. APPR. PAV'T.	31+26.11	-11.00	710.78

CL PROP. CH-17

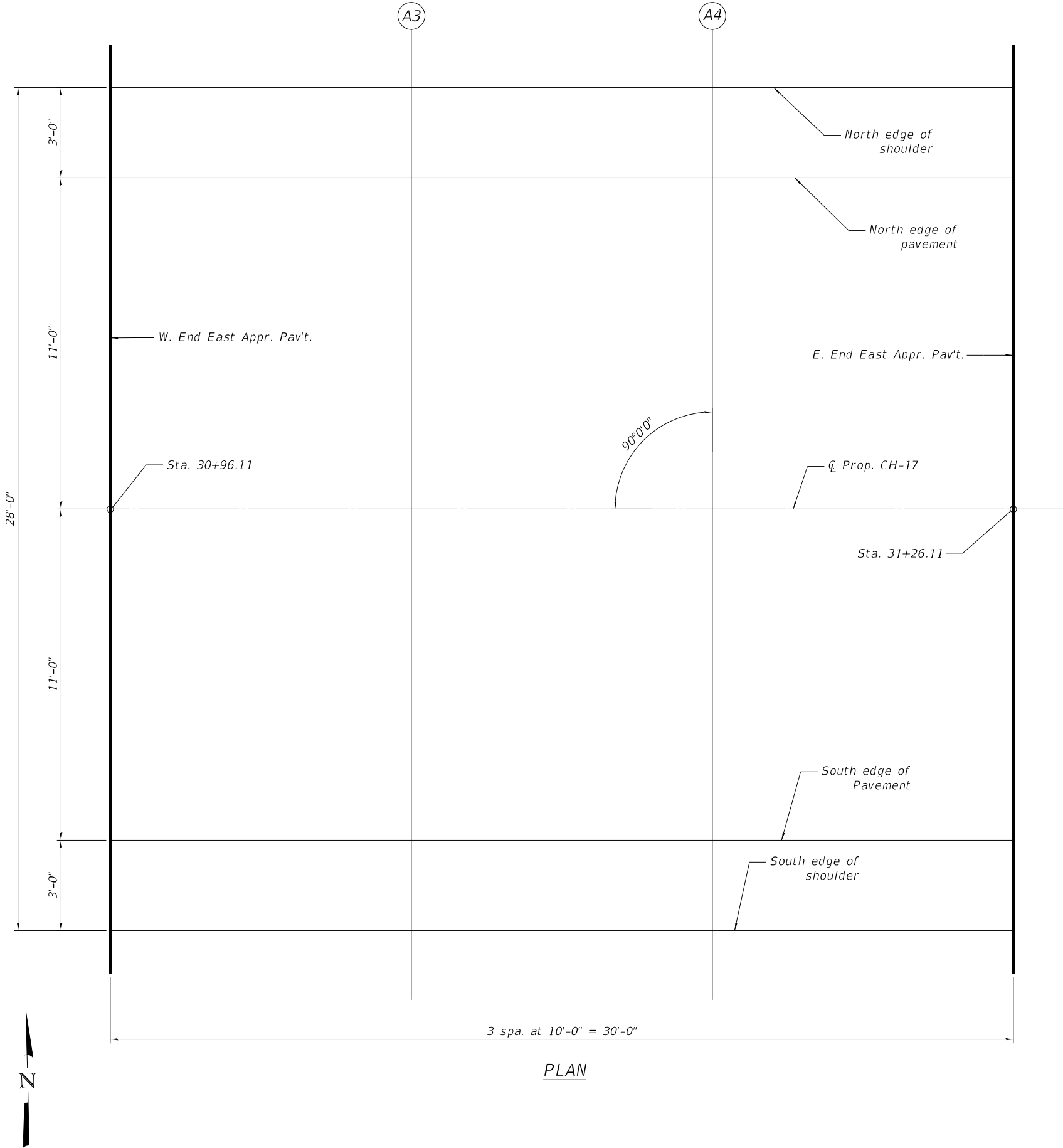
LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
W. END E. APPR. PAV'T.	30+96.11	0.00	711.24
A3	31+06.11	0.00	711.15
A4	31+16.11	0.00	711.05
E. END E. APPR. PAV'T.	31+26.11	0.00	710.95

S. EDGE OF PAVEMENT

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
W. END E. APPR. PAV'T.	30+96.11	11.00	711.07
A3	31+06.11	11.00	710.99
A4	31+16.11	11.00	710.89
E. END E. APPR. PAV'T.	31+26.11	11.00	710.78

S. EDGE OF SHOULDER

LOCATION	STATION	OFFSET	THEORETICAL GRADE ELEVATIONS
W. END E. APPR. PAV'T.	30+96.11	14.00	711.01
A3	31+06.11	14.00	710.93
A4	31+16.11	14.00	710.83
E. END E. APPR. PAV'T.	31+26.11	14.00	710.72



PLAN



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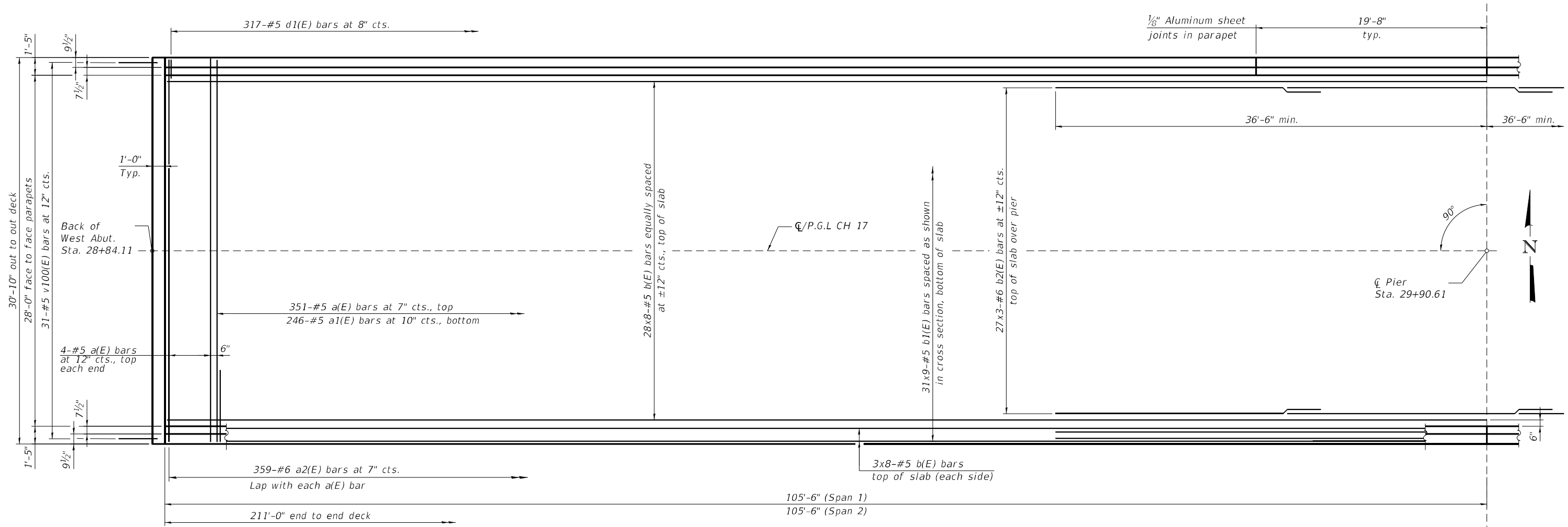
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TOP OF EAST APPROACH SLAB ELEVATIONS
STRUCTURE NO. 010-0295

SHEET 57 OF 522 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	36
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				

MODEL: T:\TGBusiness\Clients\DOT\Projects\30-040-PTB 195-041 1-57 Bridge\400 CADD\CAD Sheets\30-040-SuperSt_Plan&Section.dgn
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MINIMUM BAR LAP

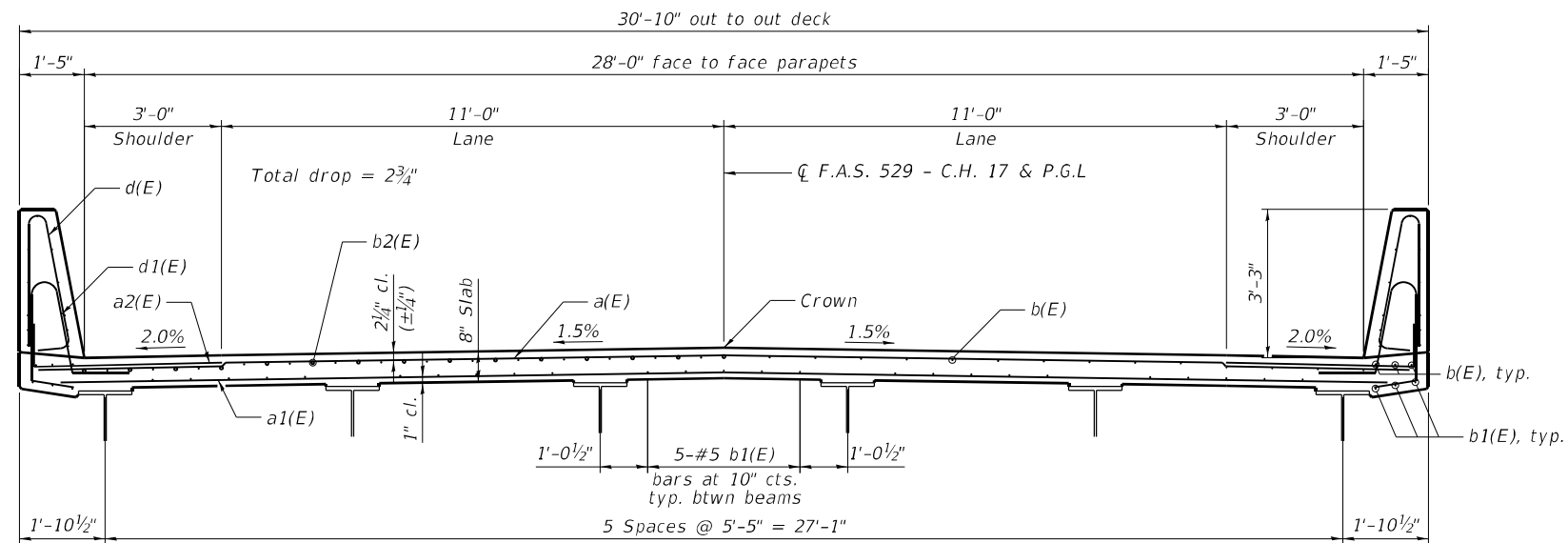
#5 bar = 3'-6"
#6 bar = 4'-5"

PARTIAL PLAN

(Symmetrical about $\bar{C}$ Pier)
(Span 1 shown, Span 2 similar)

NOTES:

- See sheet S-09 for superstructure details and bill of materials.
- Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.



NEAR PIER

CROSS SECTION
(LOOKING EAST)

NEAR MIDSPAN



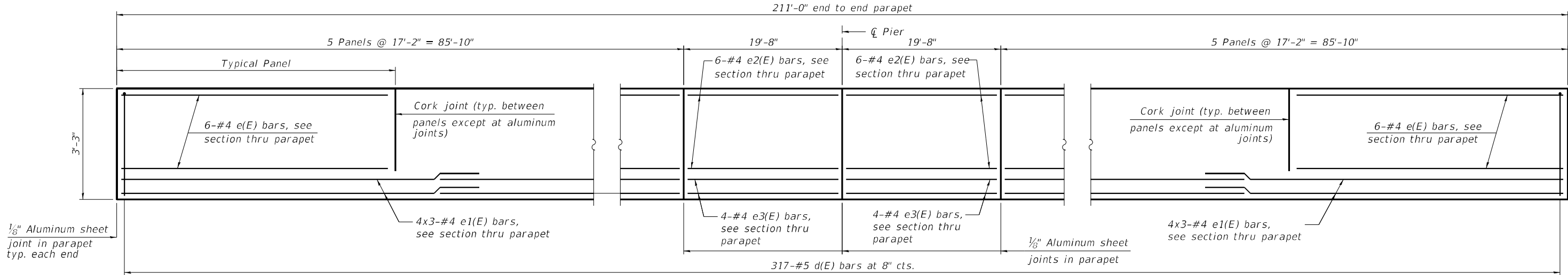
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		CHECKED	- STB	REVISED	-
PLOT SCALE	=	DRAWN	- AS	REVISED	-
PLOT DATE	= 5/4/2023	CHECKED	- STB	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

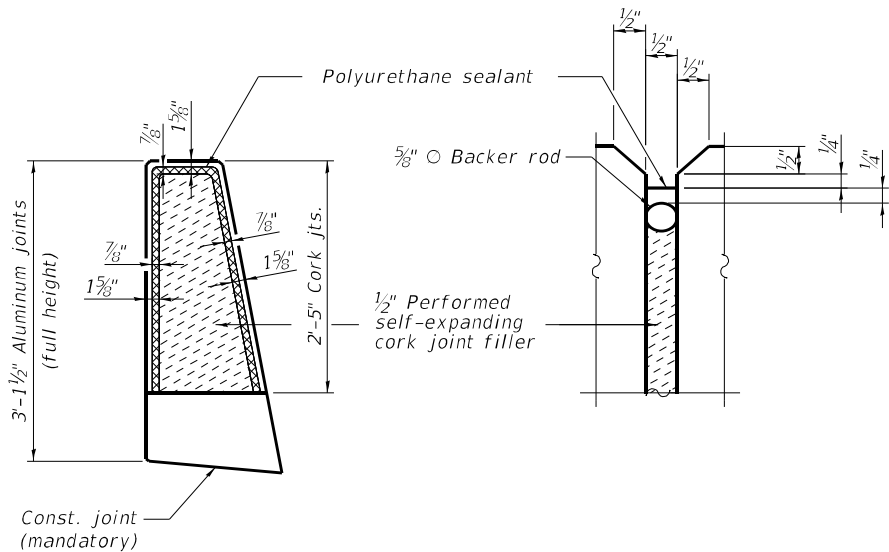
SUPERSTRUCTURE PLAN AND SECTION
STRUCTURE NO. 010-0295

SHEET S8 OF S22 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	37
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF PARAPET



PARAPET JOINT DETAILS

NOTES:

- The 1/8" aluminum sheet shall be ASTM B209 alloy 3003-H14 and coated 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 color shall be gray.
- Headed bars shall conform to ASTM A970 with threaded attachment; Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
- Reinforcement bars shall not pass through aluminum sheets and cork joint filler.

SUPERSTRUCTURE
BILL OF MATERIAL

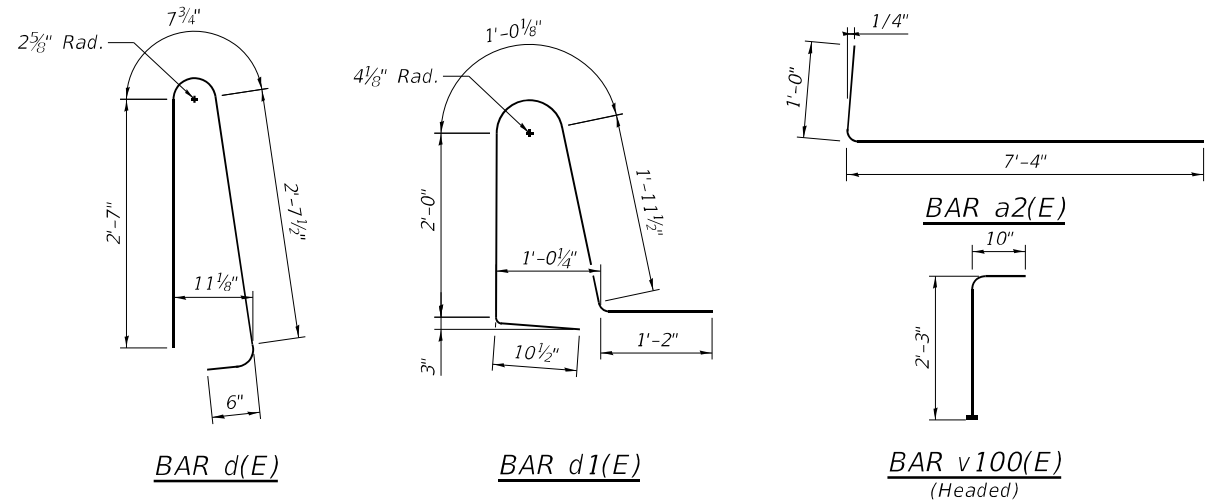
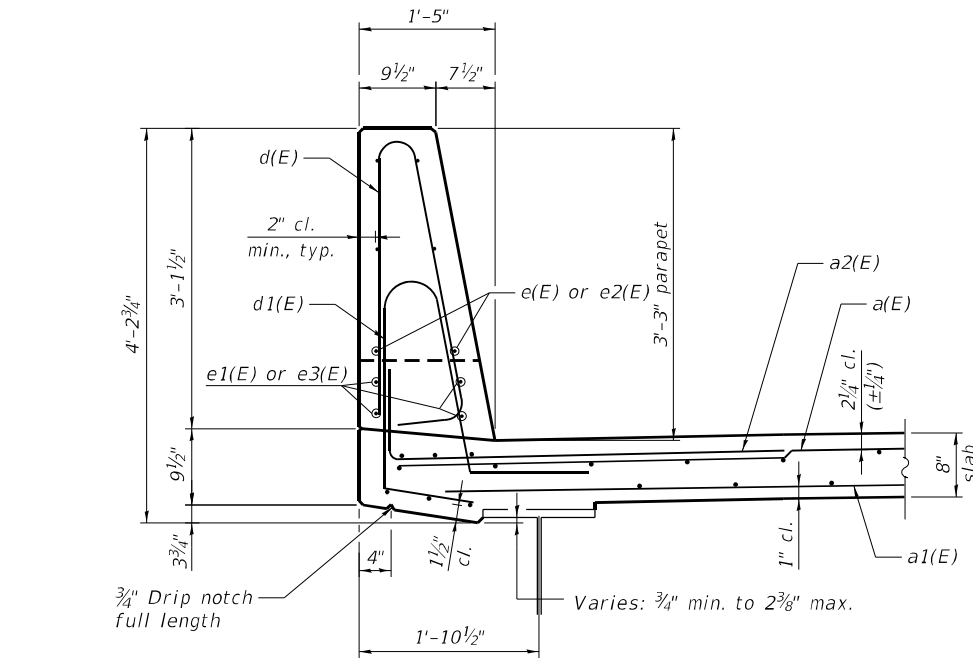
Bar	No.	Size	Length	Shape
a(E)	359	#5	30'-6"	
a1(E)	246	#5	30'-6"	
a2(E)	718	#6	8'-4"	
b(E)	272	#5	29'-5"	
b1(E)	279	#5	26'-7"	
b2(E)	81	#6	27'-5"	
d(E)	634	#5	6'-5"	
d1(E)	634	#5	7'-1"	
e(E)	120	#4	16'-10"	
e1(E)	48	#4	30'-4"	
e2(E)	24	#4	19'-4"	
e3(E)	16	#4	19'-4"	
m10(E)	10	#6	30'-6"	
m11(E)	40	#6	5'-1"	
m12(E)	16	#6	1'-6"	
s10(E)	62	#5	9'-2"	
s11(E)	62	#5	11'-8"	
v100(E)	62	#5	3'-1"	
Reinforcement Bars, Epoxy Coated			Pound	61,770
Concrete Superstructure			Cu. Yd.	254.5

Bars indicated thus 1 x 4 -#5 etc. indicates 1 line of bars with 4 lengths per line.

MINIMUM BAR LAP

#4 Bar = 2'-8"

SECTION THRU PARAPET



MODEL: T:\TIG\Business\Clients\DOT\Projects\30-040-PTB 195-041 1-57 Bridge\400 CADD\CAD Sheets\30-040-Superstructure Details.dgn
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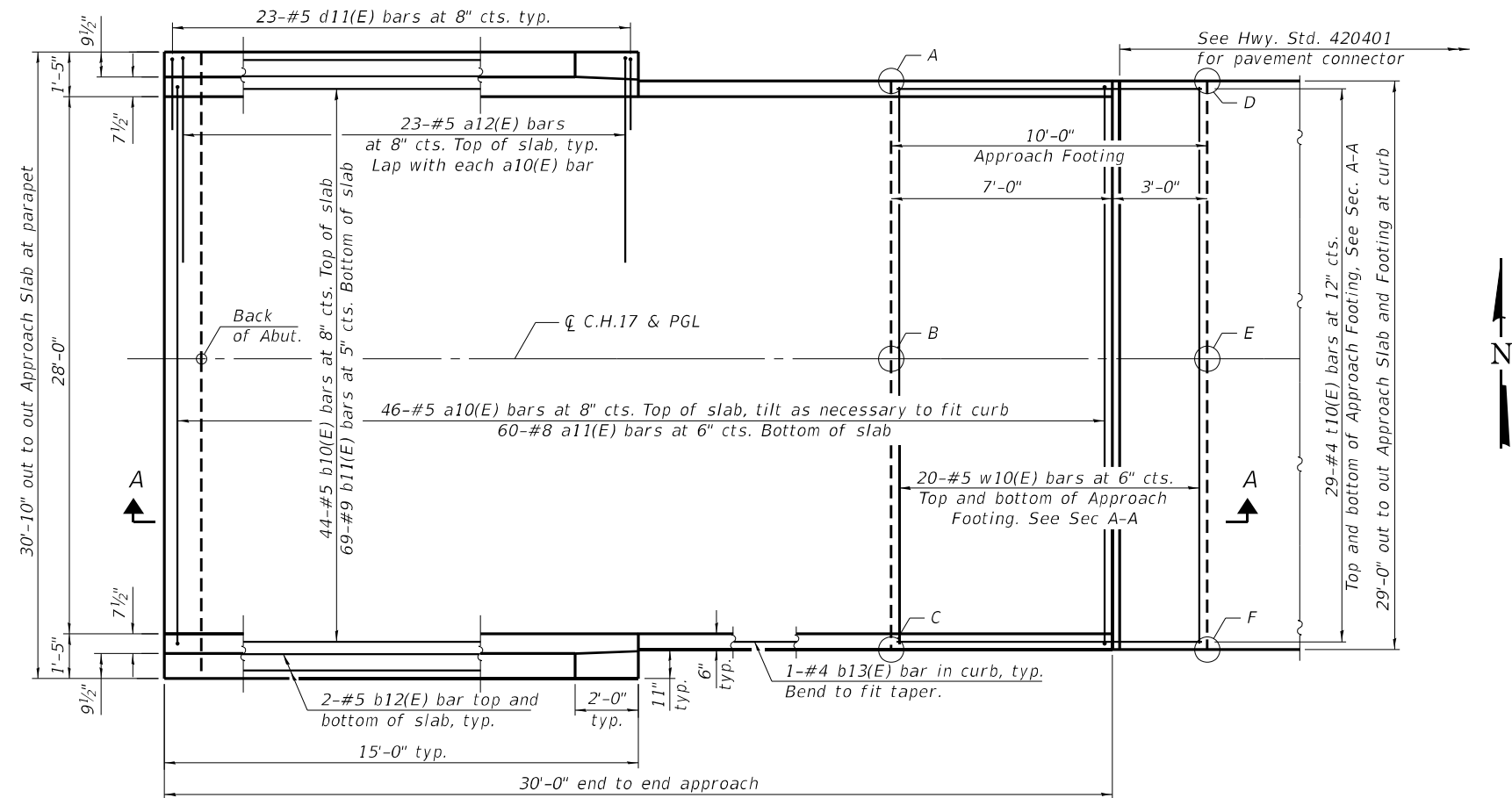
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	CHECKED - STB	REVISED -
PLOT SCALE =	DRAWN - AS	REVISED -
PLOT DATE = 5/4/2023	CHECKED - STB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 010-0295

SHEET S9 OF S22 SHEETS

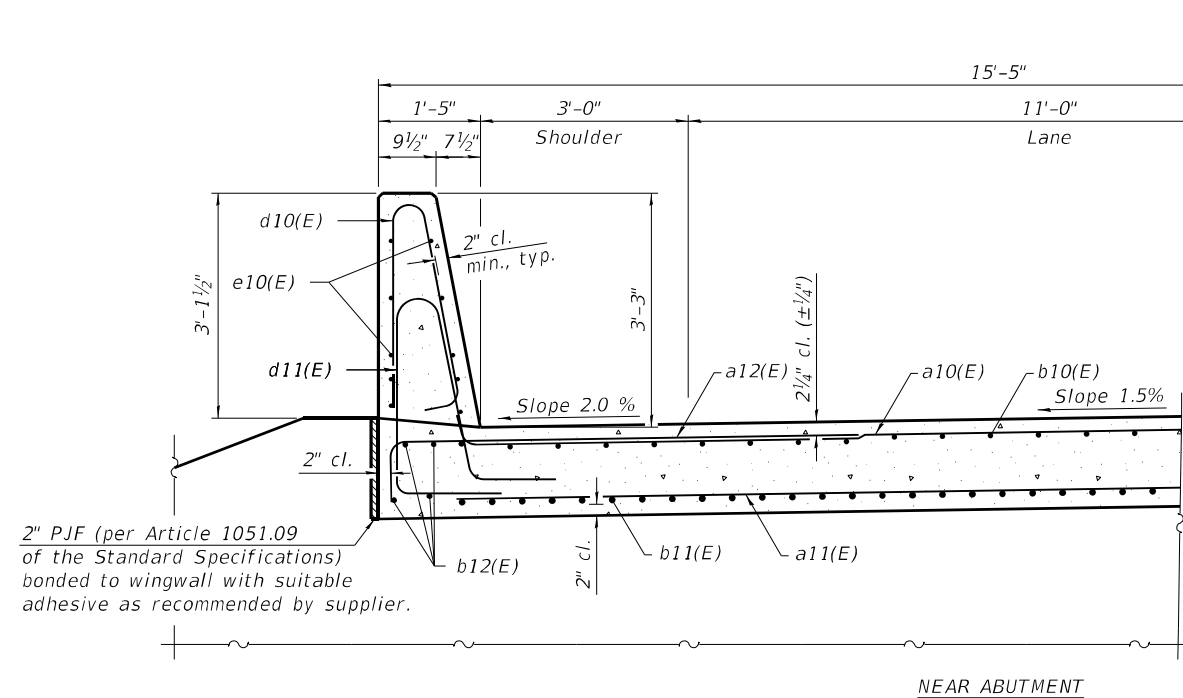
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57	(10-31HB)BR	CHAMPAIGN	65	38
FED. ROAD DIST. NO. 5				CONTRACT NO. 70908
ILLINOIS FED. AID PROJECT				



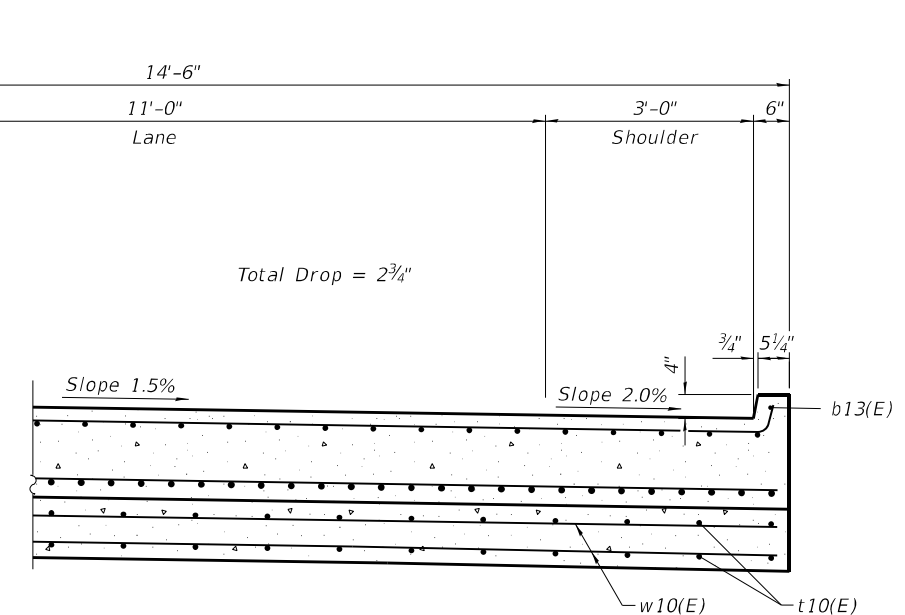
TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING

West Approach			East Approach		
Point	Top	Bottom	Point	Top	Bottom
A	709.32	708.49	A	709.54	708.70
B	709.56	708.73	B	709.77	708.94
C	709.32	708.49	C	709.54	708.70
D	709.20	708.37	D	709.43	708.59
E	709.43	708.60	E	709.66	708.83
F	709.20	708.37	F	709.43	708.59

PLAN
(East Approach shown, West Approach symmetrical about ϕ of structure)

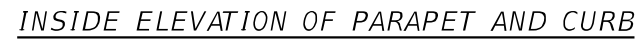


CROSS SECTION

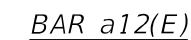
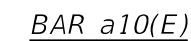
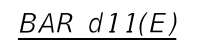
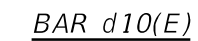
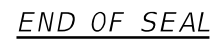


AT APPROACH FOOTING

(Sheet 1 of 2)



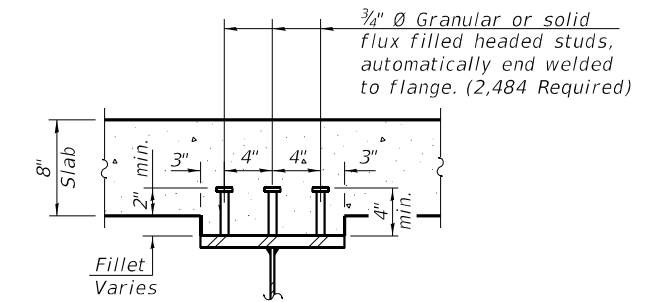
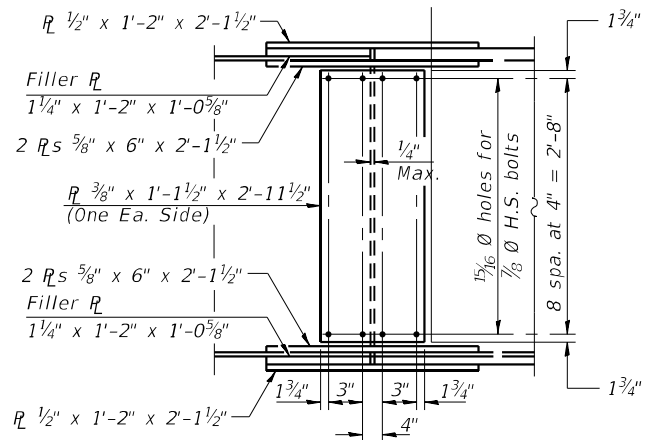
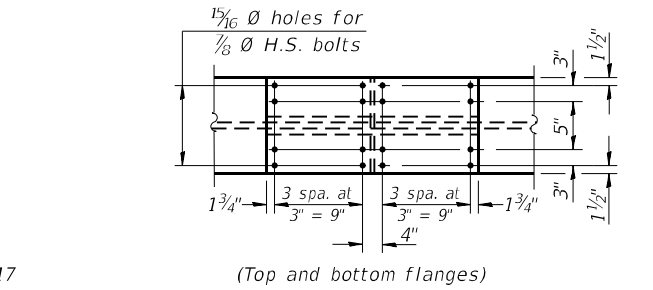
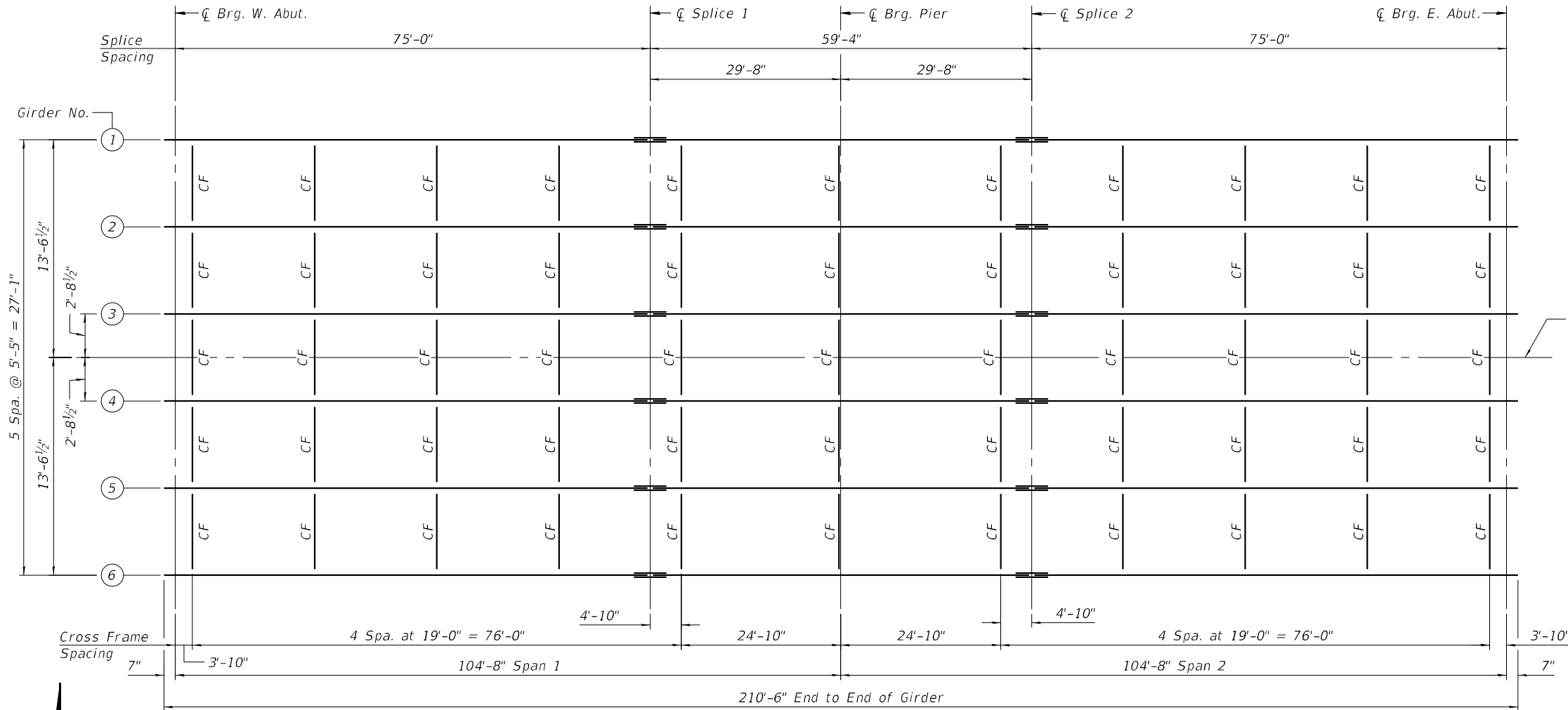
For Granular Backfill for Structures and drainage treatment details, see sheet S2 of S22.



Bar	No.	Size	Length	Shape
a10(E)	92	#5	29'-5"	
a11(E)	120	#8	28'-8"	
a12(E)	92	#5	7'-4"	
b10(E)	88	#5	29'-8"	
b11(E)	140	#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)	116	#4	9'-8"	
w10(E)	80	#5	28'-8"	
Concrete Superstructure			Cu. Yd.	7.9
Concrete Superstructure (Approach Slab)			Cu. Yd.	83.7
Concrete Structures			Cu. Yd.	17.9
Reinforcement Bars, Epoxy Coated			Pound	34,810

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	41
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

MODEL: P:\R0950010 Roderick - PTB 195 041 I57 CH17 Ph1 Sups\Phase 2\CAD\0100295-70908-012-ApproachSlabDetails-IL.dgn



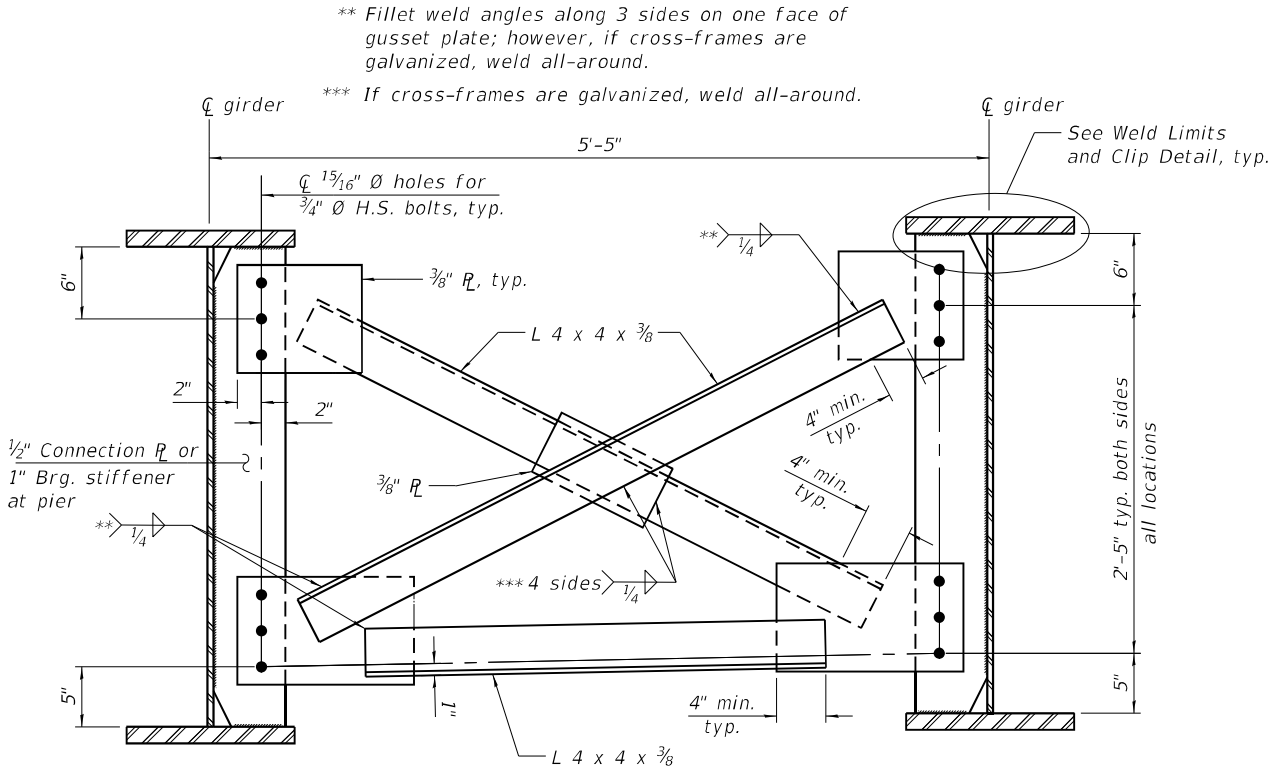
Notes:

All flange and web splice plates, except filler plates, shall be AASHTO M270 Grade 50 (CVN). Load carrying components designated "CVN" shall conform to the Charpy-V-Notch Impact Energy Requirement, Zone 2.

All cross frames shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames at supports may be temporarily disconnected to install bearing anchor rods.

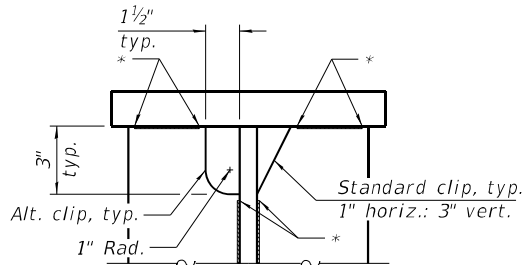
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	CHECKED - MIA	REVISED -
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PLOT DATE = 5/04/2023	CHECKED - KRL	REVISED -

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	42
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				

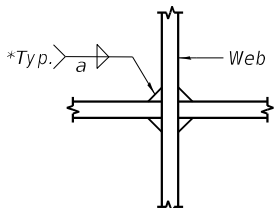


Notes:
Two hardened washers required for each set of oversized holes.
All cross frames shall be installed as steel is erected and secured with erection pins and bolts except as otherwise noted. Individual cross frames at supports may be temporarily disconnected to install bearing anchor rods.
Omit connection plates on the exterior side of the exterior girders.

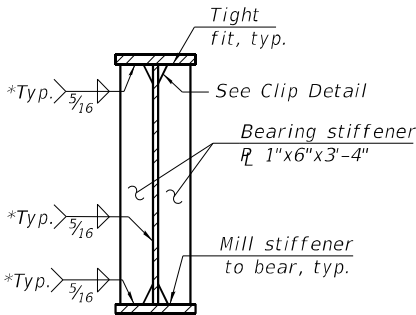
INTERIOR CROSS FRAMES CF
(55 required)



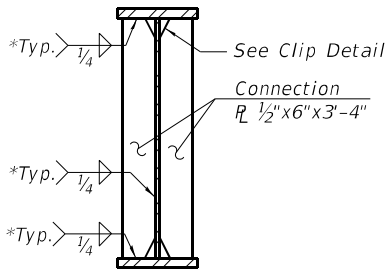
**WELD LIMITS AND
CLIP DETAIL**



WEB WELD DETAIL



**BEARING
STIFFENER DETAIL**



**CONNECTION
PLATE DETAIL**

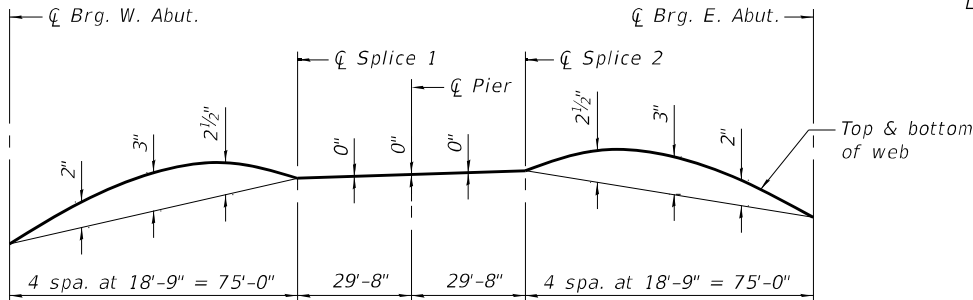
* Terminate 1/4" ($\pm 1/8$ ") from the end of plate intersects.

INTERIOR GIRDER MOMENT TABLE		
	0.4 Sp. 1 or 0.6 Sp. 2	Pier
Is	(in ⁴) 11,385	27,381
Ic(n)	(in ⁴) 28,679	-
Ic(3n)	(in ⁴) 21,260	-
Ic(cr)	(in ⁴) -	30,960
Ss	(in ³) 548.7	1,245
Sc(n)	(in ³) 777.3	-
Sc(3n)	(in ³) 707.6	-
Sc(cr)	(in ³) -	1,301
DC1	(k') 0.721	0.849
MDC1	(k) 460	1,339
DC2	(k') 0.175	0.175
MDC2	(k) 115	288
DW	(k') 0.234	0.234
MDW	(k) 154	385
LLDF	0.438	0.464
M _L + IM	(k) 999	1,371
Mu (Strength I)	(k) 2,698	5,011
Øf Mn	(k) 3,851	5,815
fs DC1	(ksi) 10.06	12.91
fs DC2	(ksi) 1.95	2.66
fs DW	(ksi) 2.61	3.55
fs (L+IM)	(ksi) 15.42	12.65
fs (Service II)	(ksi) 34.67	35.55
0.95Rh Fyf	(ksi) 47.50	47.50
fs (Total)(Strength I)	-	-
Øf Fn	(ksi) -	-
Vf	(k) 19.6	28.1

GIRDER REACTION TABLE				
	Abut.		Pier	
	Interior	Exterior	Interior	Exterior
LLDF	0.627	0.492	0.627	0.492
OCF	-	-	-	-
RDC1	(k) 27.0	25.6	106.9	101.7
RDC2	(k) 6.4	6.4	23.8	23.8
RDW	(k) 8.6	8.6	32.0	32.0
R _L	(k) 57.8	45.3	117.6	92.0
R _{im}	(k) 13.2	10.3	22.6	17.7
R _{total}	(k) 113.0	96.2	302.9	267.2

TOP OF WEB ELEVATIONS
(For Fabrication Only)

Location	Ø Brg. W. Abut.	Ø Splice 1	Ø Brg. Pier	Ø Splice 2	Ø Brg. E. Abut.
Girder 1	710.07	710.49	710.52	710.54	710.24
Girder 2	710.16	710.59	710.61	710.64	710.33
Girder 3	710.24	710.67	710.69	710.72	710.41
Girder 4	710.24	710.67	710.69	710.72	710.41
Girder 5	710.16	710.59	710.61	710.64	710.33
Girder 6	710.07	710.49	710.52	710.54	710.24



CAMBER DIAGRAM

Is, Ss: Non-composite moment of inertia and section modulus of the steel section used for computing fs(Total-Strength I, and Service II) due to non-composite dead loads (in.⁴ and in.³).

Ic(n), Sc(n): Composite moment of inertia and section modulus of the steel and deck based upon the modular ratio, "n", used for computing fs(Total-Strength I, and Service II) in uncracked sections due to short-term composite live loads (in.⁴ and in.³).

Ic(3n), Sc(3n): Composite moment of inertia and section modulus of the steel and deck based upon 3 times the modular ratio, "3n", used for computing fs(Total-Strength I, and Service II) in uncracked sections, due to long-term composite (superimposed) dead loads (in.⁴ and in.³).

Ic(cr), Sc(cr): Composite moment of inertia and section modulus of the steel and longitudinal deck reinforcement, used for computing fs (Total-Strength I and Service II) in cracked sections, due to both short-term composite live loads and long-term composite (superimposed) dead loads (in.⁴ and in.³).

DC1: Un-factored non-composite dead load (kips/ft.).

MDC1: Un-factored moment due to non-composite dead load (kip-ft.).

DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).

MDC2: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).

DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).

MDW: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).

M_L + IM: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).

Mu (Strength I): Factored design moment (kip-ft.).

1.25 (MDC1 + MDC2) + 1.5 MDW + 1.75 M_L + IM

Øf Mn: Compact composite positive moment capacity computed according to Article 6.10.7.1 or non-slender negative moment capacity according to Article A6.1.1 or A6.1.2 (kip-ft.).

fs DC1: Un-factored stress at edge of flange for controlling steel flange due to vertical non-composite dead loads as calculated below (ksi).
MDC1/ Snc

fs DC2: Un-factored stress at edge of flange for controlling steel flange due to vertical composite dead loads as calculated below (ksi).
MDC2/ Sc(3n) or MDC2/ Sc(cr) as applicable.

fs DW: Un-factored stress at edge of flange for controlling steel flange due to vertical composite future wearing surface loads as calculated below (ksi).
MDW/ Sc(3n) or MDW/ Sc(cr) as applicable.

fs (L+IM): Un-factored stress at edge of flange for controlling steel flange due to vertical composite live load plus impact loads as calculated below (ksi).
M_L + IM / Sc(n) or M_L + IM / Sc(cr) as applicable.

fs (Service II): Sum of stresses as computed below (ksi).
fsDC1 + fsDC2 + fsDW + 1.3 fs(L + IM)

0.95RhFyf: Composite stress capacity for Service II loading according to Article 6.10.4.2 (ksi).

fs (Total)(Strength I): Sum of stresses as computed below on non-compact section (ksi).
1.25 (fsDC1 + fsDC2) + 1.5 fsDW + 1.75 fs(L + IM)

Øf Fn: Non-Compact composite positive or negative stress capacity for Strength I loading according to Article 6.10.7 or 6.10.8 (ksi).

Vf: Maximum factored shear range in span computed according to Article 6.10.10.

LLDF: Live Load Distribution Factor

OCF: Obtuse Correction Factor

MODEL: P:\R0950010_Roderick - RTB 195 041 B17 CH17 P01 SuperPhase 2\CADD\01\00295-70908-01-4-StructuralSteelDetails.dgn
FILE NAME: P:\R0950010_Roderick - RTB 195 041 B17 CH17 P01 SuperPhase 2\CADD\01\00295-70908-01-4-StructuralSteelDetails.dgn

ClarkDietz
DESIGN FIRM REGISTRATION
No. 164-000459

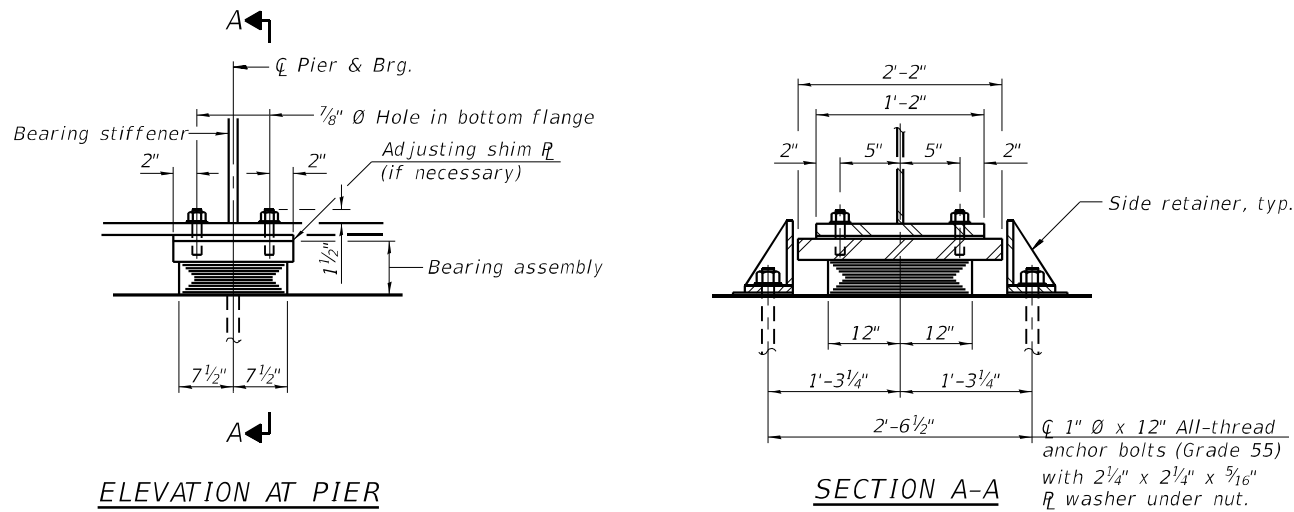
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PLOT SCALE =	DRAWN - SMM	REVISED -
PLOT DATE = 5/04/2023	CHECKED - KRL	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

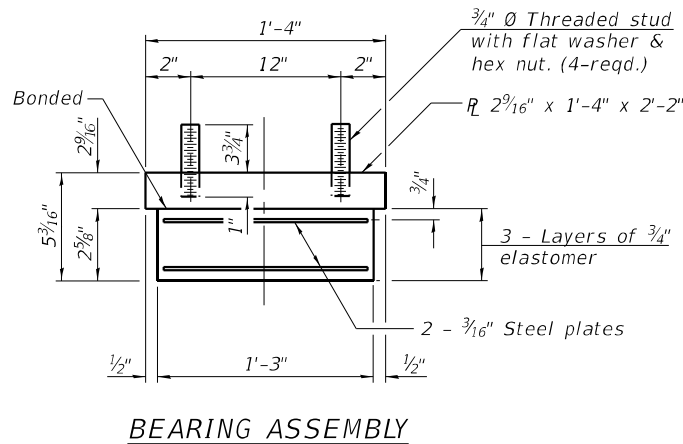
**STRUCTURAL STEEL DETAILS
STRUCTURE NO. 010-0295**

SHEET S14 OF S22 SHEETS

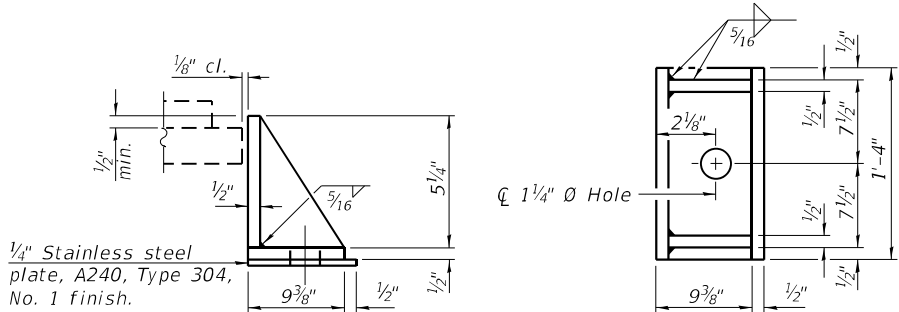
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	43
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		



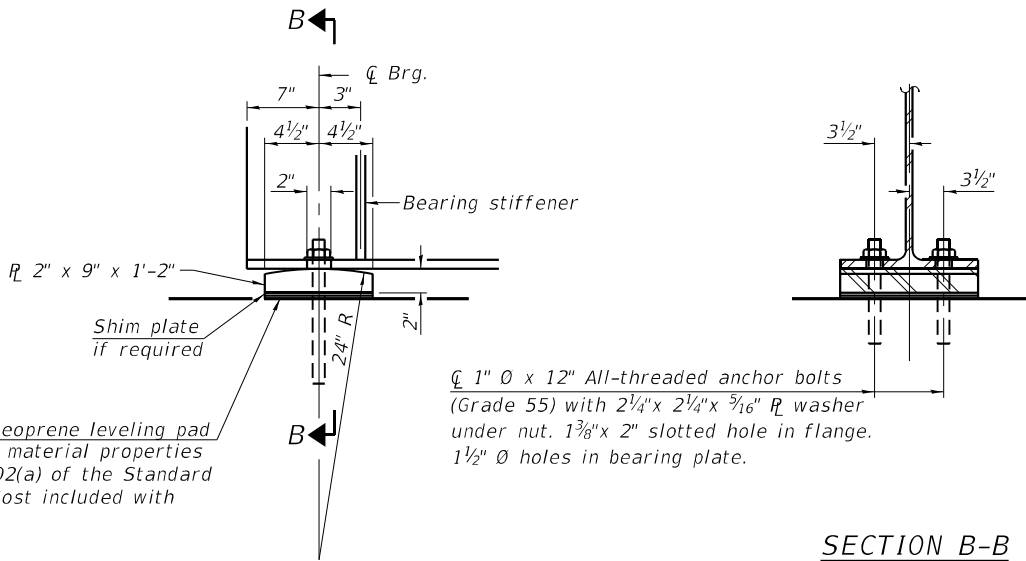
TYPE I ELASTOMERIC EXP. BRG.



Note:
Shim plates shall not be placed under bearing assembly.



Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.



FIXED BEARING
(12 required)

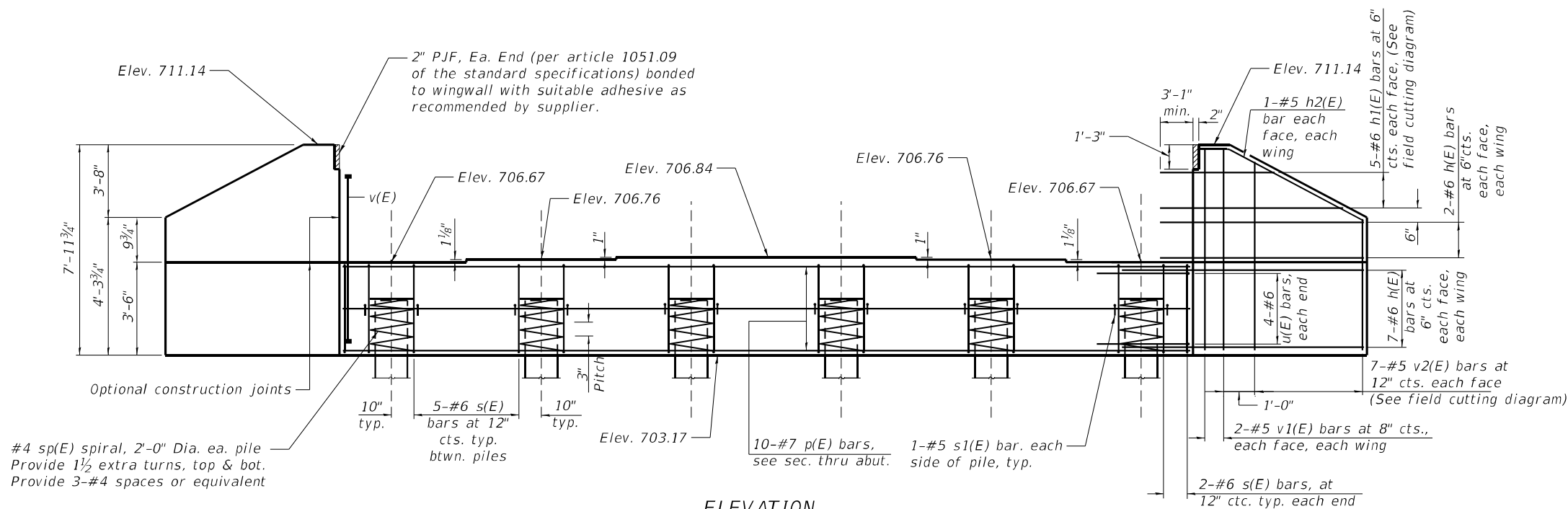
Notes:
Side retainers and stainless steel plates shall be included in the cost of Elastomeric Bearing Assembly, Type I.
Anchor bolts and side retainers at all supports shall be installed as each member is erected unless an equivalent temporary means of lateral restraint is used.
Beams shall be braced for stability during erection and remain braced until deck is poured and cured.
The structural steel plates of the fixed bearings and of the Bearing Assembly, except adjusting shims, shall conform to the requirements of AASHTO M 270 Grade 50.
Two 1/8" adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
All embedded and separate bearing plates, side retainers, anchor bolts, nuts and washers shall be galvanized according to AASHTO M111 or M232 as applicable.
Cost of fixed bearings at abutments included in Furnishing and Erecting Structural Steel.

BILL OF MATERIAL

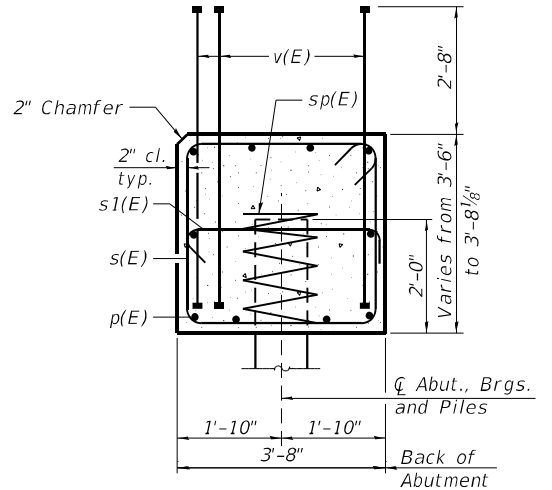
Item	Unit	Total
Elastomeric Bearing Assembly Type I	Each	6
Anchor Bolts, 1"	Each	36

USER NAME = SMM	DESIGNED - SMM	REVISED -
PLOT SCALE =	CHECKED - MIA	REVISED -
PLOT DATE = 5/04/2023	DRAWN - SMM	REVISED -
	CHECKED - KRL	REVISED -

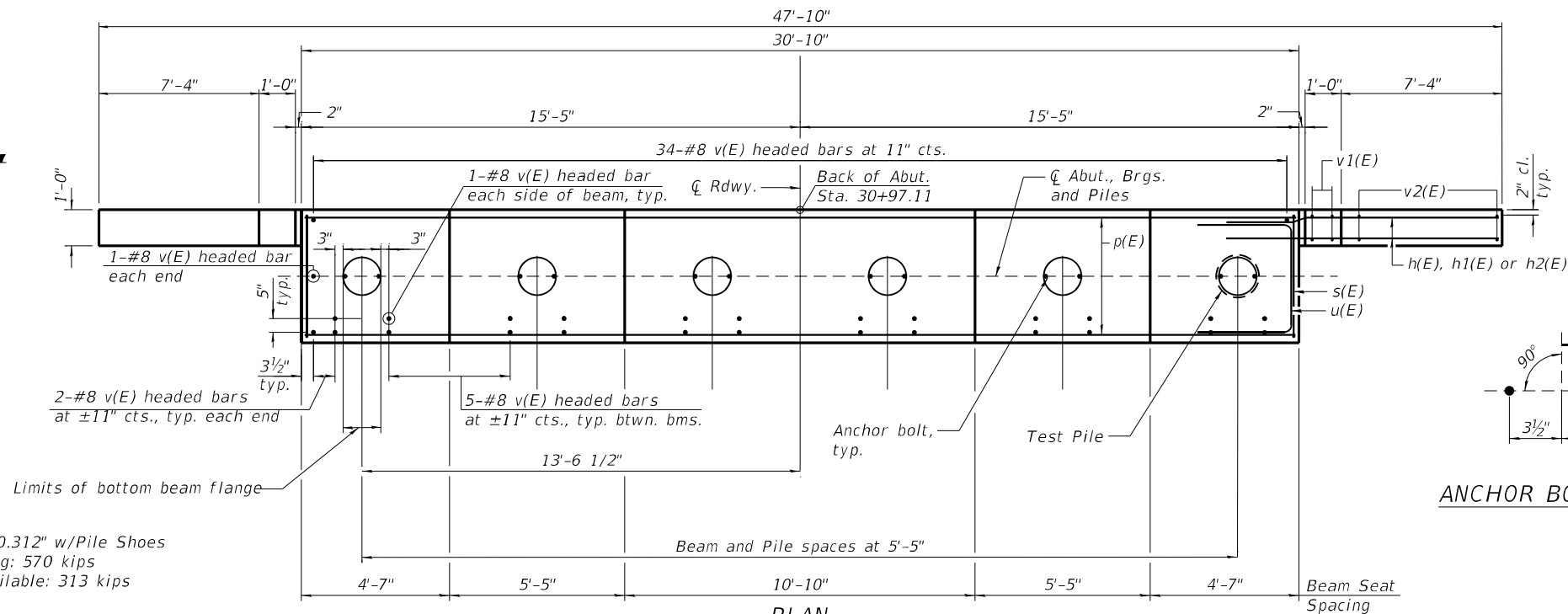
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	44
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				



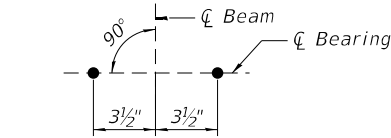
ELEVATION
(East Abut. looking East)



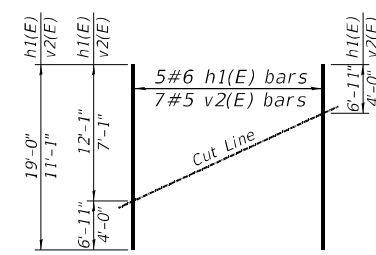
SEC THRU ABUT.



PLAN



ANCHOR BOLT LAYOUT



FIELD CUTTING DIAGRAM

Order h1(E) and v2(E) full length. Cut as shown and use remainder of bars in opposite wing.

Bar v(E)
(Headed)

Bar h2(E)

Bar s(E)

Bar s1(E)

Bar u(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	32	#6	11'-5"	—
h1(E)	10	#6	19'-0"	—
h2(E)	4	#5	8'-10"	—
p(E)	10	#7	30'-6"	—
sp(E)	6	#4	2'-2"	WW
s(E)	29	#6	14'-4"	□
s1(E)	12	#5	4'-4"	┌
u(E)	8	#6	11'-10"	▮
v(E)	77	#8	6'-0"	—
v1(E)	8	#5	7'-7"	—
v2(E)	14	#5	11'-1"	—
Structure Excavation			Cu. Yd.	62
Concrete Structures			Cu. Yd.	23.1
Reinforcement Bars, Epoxy Coated			Pound	4,000
Furnishing Metal Shell Piles 14"x0.312"			Foot	245
Driving Piles			Foot	245
Test Pile, Metal Shells			Each	1
Pile Shoes			Each	6

Bars indicated thus 1 x 4-#5 etc. indicates 1 line of bars with 4 lengths per line.

**Length is height of spiral

NOTES:

- Pour steps monolithically with cap.
- Headed bars shall conform to ASTM A970 with threaded attachment: Class HA; and reinforcement bars conforming to ASTM A706. Cost included with Reinforcement Bars, Epoxy Coated.
- For details of piles see sheet S19 of S22.
- Piles shall be driven through 24" diameter precored holes extending to elevation 693.77 according to Article 512.09(c) of the Standard Specifications except that the void space outside the pile shall be filled with bentonite according to the manufacturer's recommendations to achieve a Qu of 1.5 tsf. Cost included in driving piles.

MODEL: T:\TGG\Business\Clients\DOT\Projects\320-M40-PTB 195-041 1-57 Bridge\400 CADD\CAD Sheets\320-M40-Extr Abutment.dgn
FILE NAME: T:\TGG\Business\Clients\DOT\Projects\320-M40-PTB 195-041 1-57 Bridge\400 CADD\CAD Sheets\320-M40-Extr Abutment.dgn



USER NAME = nickbrustin	DESIGNED - NMB	REVISED -
	CHECKED - STB	REVISED -
PLOT SCALE =	DRAWN - NMB	REVISED -
PLOT DATE = 5/4/2023	CHECKED - STB	REVISED -

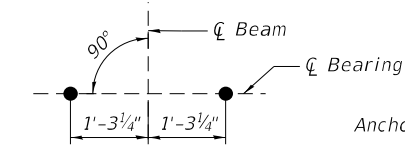
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EAST ABUTMENT DETAILS
STRUCTURE NO. 010-0295**

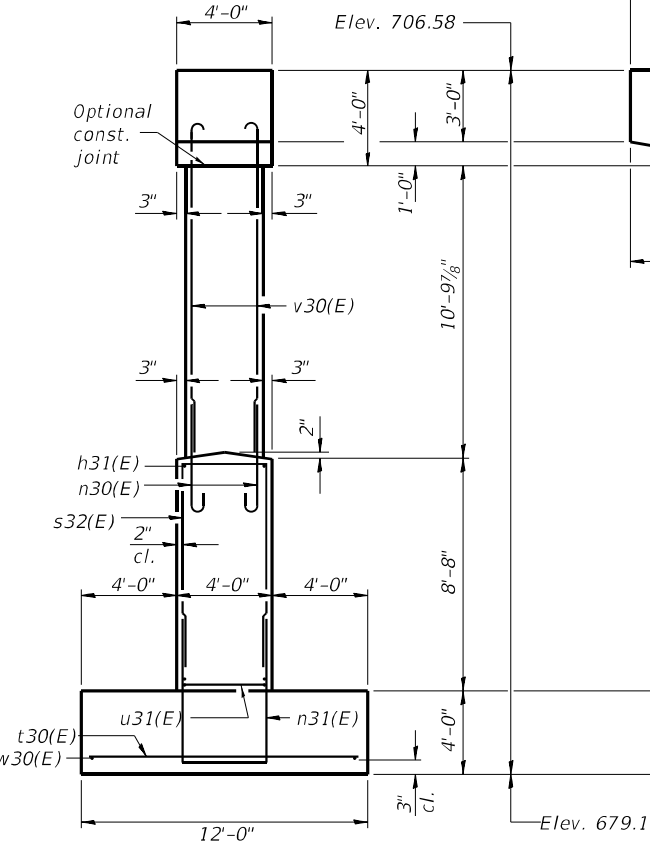
SHEET S17 OF S22 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	46
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				

Notes:
Space reinforcement in cap to miss anchor bolts.
Pour steps monolithically with cap.

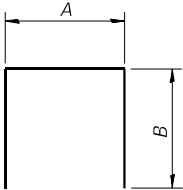


ANCHOR BOLT LAYOUT



END VIEW

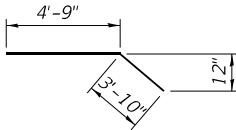
(The maximum applied service bearing pressure, $Q_{max} = 11.12$ ksf)



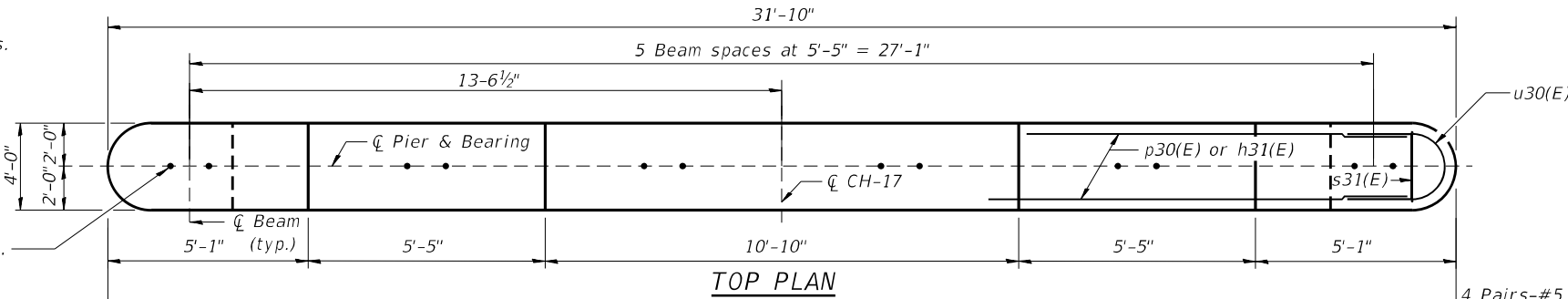
A & B DIMENSIONS

Bar	A	B
n31(E)	3'-8"	7'-8"
s31(E)	3'-8"	3'-3"
s32(E)	3'-8"	8'-4"

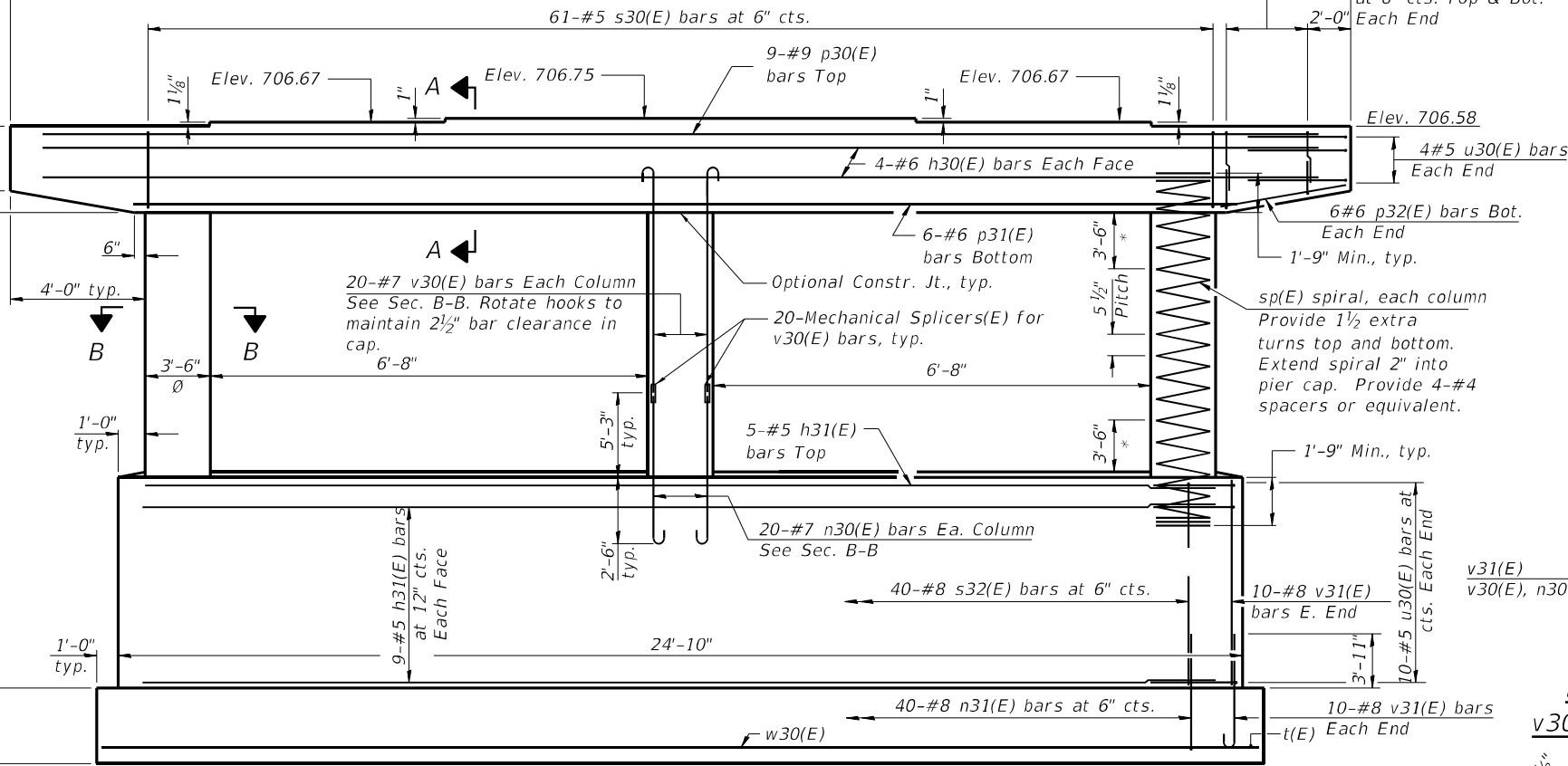
BARS n31(E), s31(E) & s32(E)



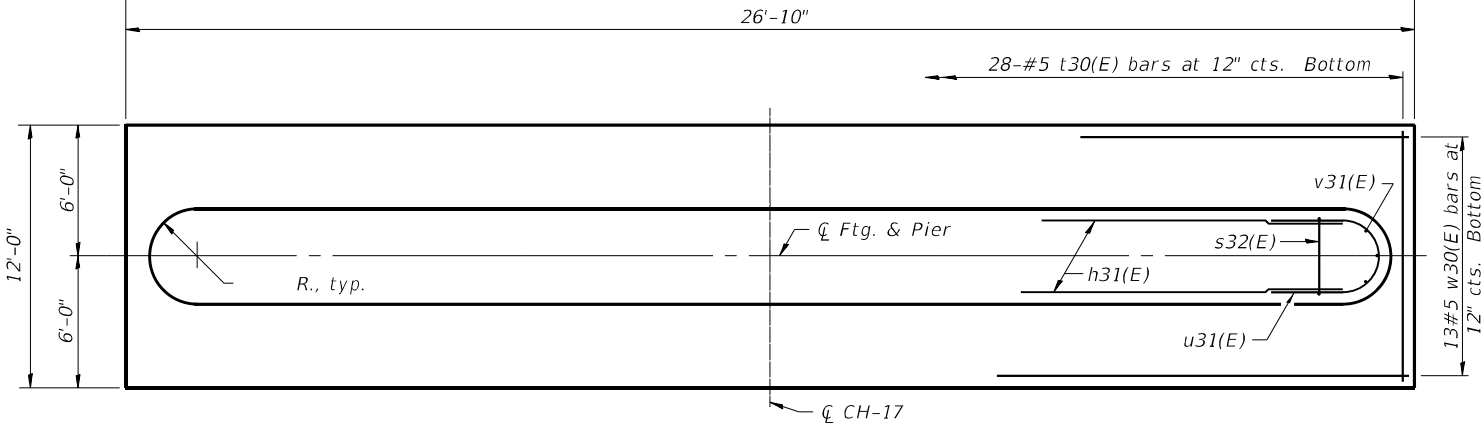
BAR p32(E)



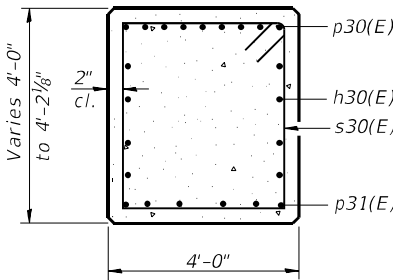
TOP PLAN



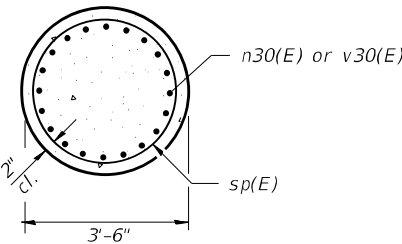
ELEVATION
(Looking East)



FOOTING PLAN



SEC. A-A

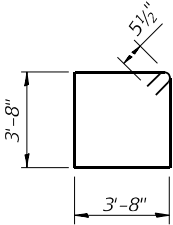


SEC. B-B

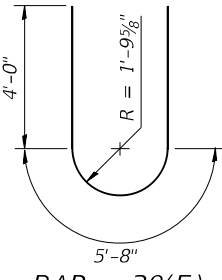
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h30(E)	8	#5	27'-6"	—
h31(E)	23	#5	20'-6"	—
n30(E)	60	#7	8'-7"	U
n31(E)	40	#8	15'-0"	U
p30(E)	9	#9	27'-6"	—
p31(E)	6	#6	24'-10"	—
p32(E)	12	#6	8'-7"	—
s30(E)	61	#5	15'-7"	□
s31(E)	16	#5	10'-2"	□
s32(E)	40	#8	20'-4"	□
sp(E)	3	#5	15'-3"	~
t30(E)	28	#5	11'-8"	—
u30(E)	8	#5	13'-8"	U
u31(E)	20	#5	13'-8"	U
v30(E)	60	#7	8'-11"	U
v31(E)	20	#8	8'-7"	U
w30(E)	13	#5	26'-6"	—
Structure Excavation			Cu. Yd.	146.2
Concrete Structures			Cu. Yd.	109.9
Reinforcement Bars, Epoxy Coated			Pound	11,610

** Length is height of spiral.



BAR s30(E)



BAR u30(E)
& u31(E)

MODEL: T:\TGTG\Business\Clients\DOT\Projects\320-040-RTB 195-041 1-57 Bridge\400 CADD\CAD_Sheets\320-040-Pier_Details.dgn
FILE NAME: T:\TGTG\Business\Clients\DOT\Projects\320-040-RTB 195-041 1-57 Bridge\400 CADD\CAD_Sheets\320-040-Pier_Details.dgn



USER NAME	= nickbrustin	DESIGNED	- AS	REVISED	-
CHECKED	- STB	REVIS	-	REVIS	-
PLOT SCALE	=	DRAWN	- AS	REVISED	-
PLOT DATE	= 5/4/2023	CHECKED	- STB	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PIER DETAILS
STRUCTURE NO. 010-0295

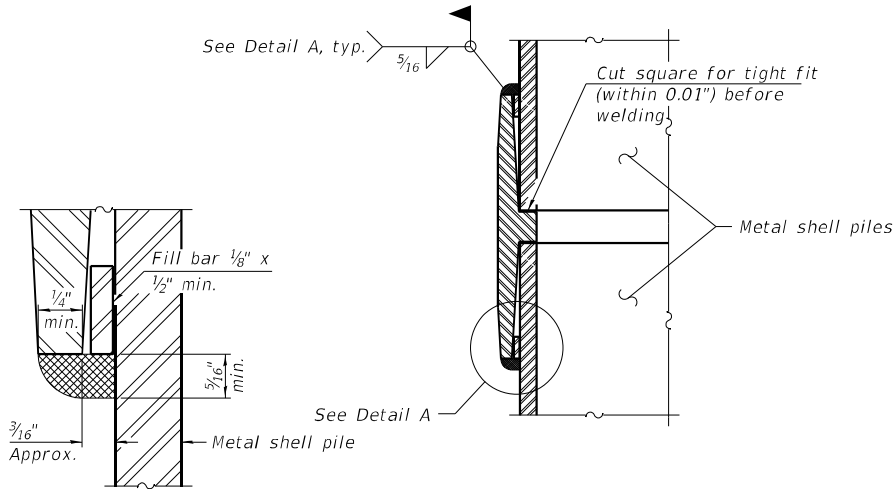
SHEET S18 OF S22 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	47
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				

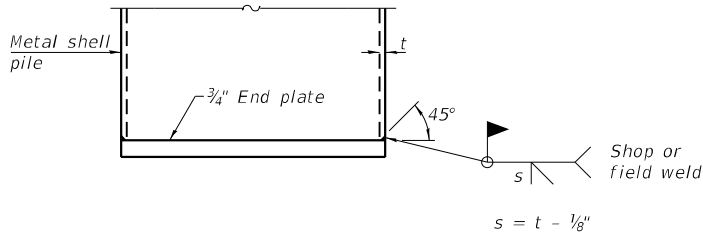


METAL SHELL PILE TABLE

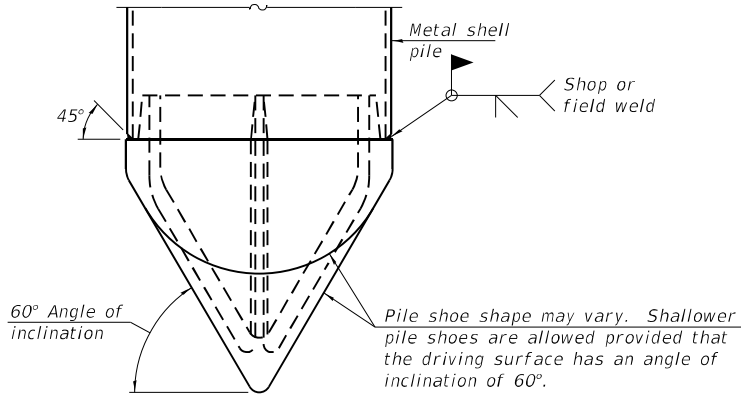
Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



DETAIL A



END PLATE ATTACHMENT

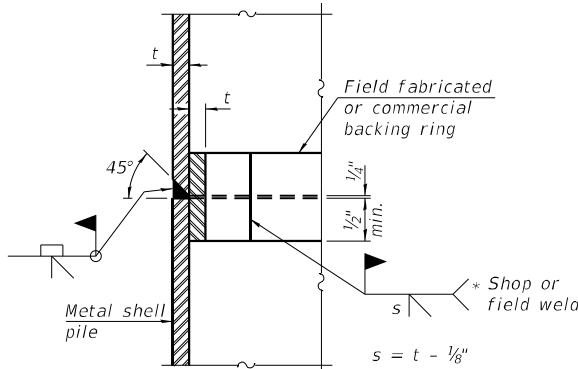


PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

WELDED COMMERCIAL SPLICE

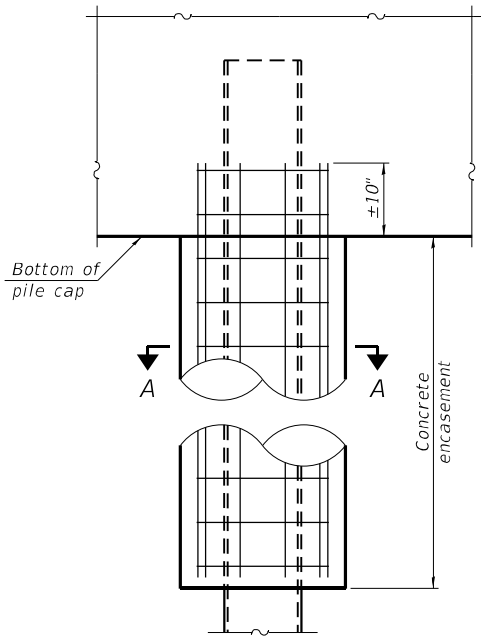
Notes:
The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
Pile segments shall be driven to solid contact with splicer before welding.



COMPLETE PENETRATION WELD SPLICE

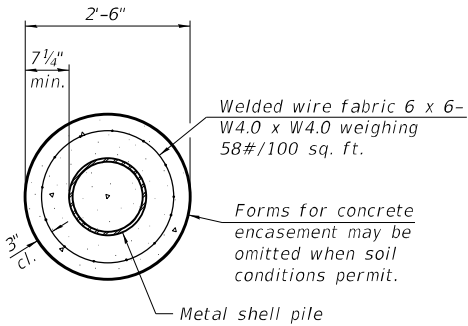
* Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

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

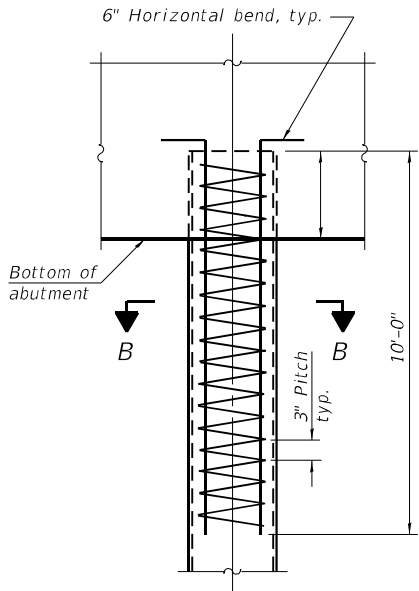


ELEVATION

INDIVIDUAL PILE
CONCRETE ENCASEMENT
(When specified)

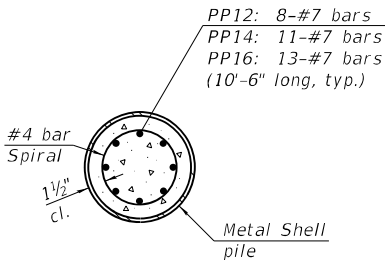


SECTION A-A



ELEVATION

REINFORCEMENT AT ABUTMENTS
(Omit when concrete encasement is specified)



SECTION B-B

F-MS

2-1-2023



USER NAME = nickbrustin	DESIGNED - NMB	REVISED -
	CHECKED - STB	REVISED -
PLOT SCALE =	DRAWN - NMB	REVISED -
PLOT DATE = 5/4/2023	CHECKED - STB	REVISED -

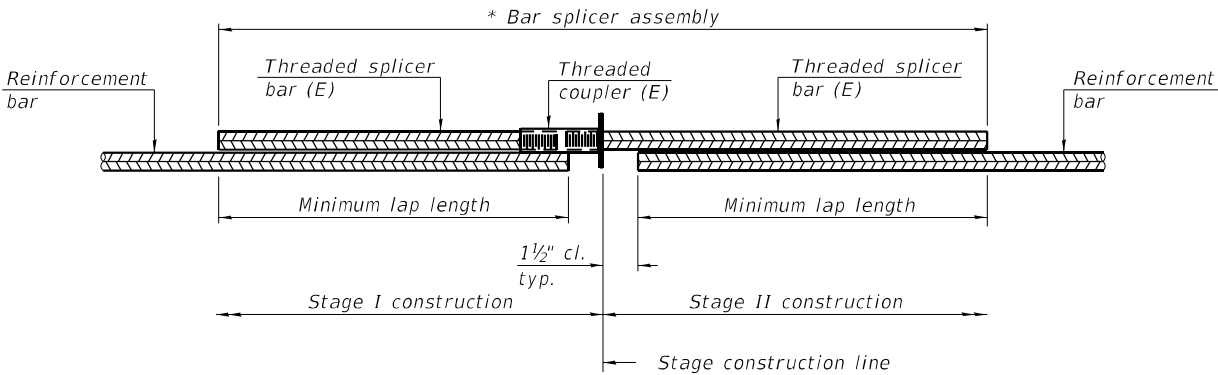
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

METAL SHELL PILE DETAILS
STRUCTURE NO. 010-0295

SHEET S19 OF S22 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	48
CONTRACT NO. 70908				
FED. ROAD DIST. NO. 5 ILLINOIS FED. AID PROJECT				

MODEL: T:\TG\Business\Clients\DOT\Projects\370400_PTB_195-041_L57 Bridge\400 CADD\CAD_Sheets\370400 Bar Splicer.dgn



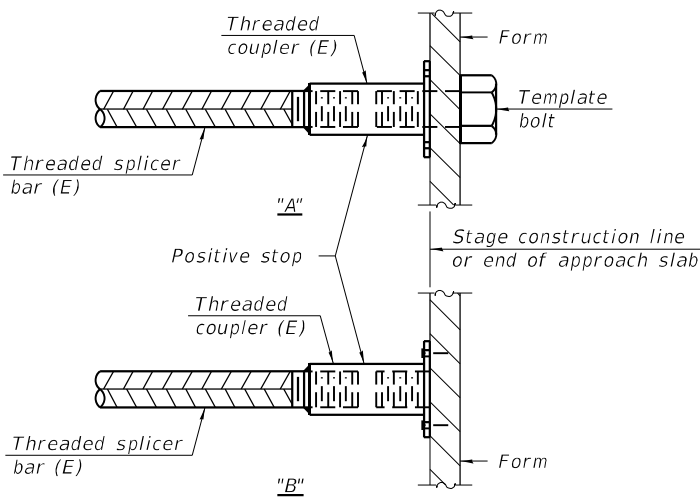
STANDARD BAR SPLICER ASSEMBLY PLAN

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

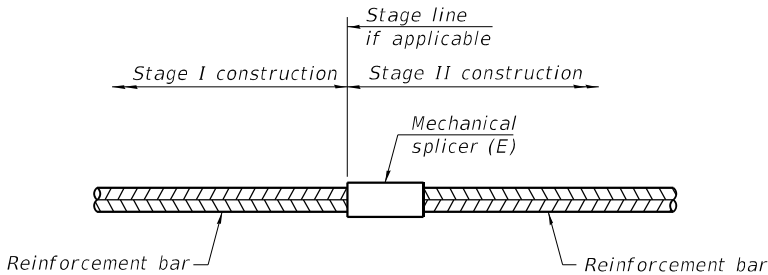


INSTALLATION AND SETTING METHODS

"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
Pier	#7	60

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.

BSD-1

2-1-2023

MODEL: FILE NAME: 131	USER NAME = nickbrustin	DESIGNED - NMB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER AND MECHANICAL SPLICER DETAILS STRUCTURE NO. 010-0295	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - STB	REVISED -			57	(10-31HB)BR	CHAMPAIGN	65	48A
	PLOT SCALE =	DRAWN - NMB	REVISED -			CONTRACT NO. 70908				
	PLOT DATE = 5/4/2023	CHECKED - STB	REVISED -			SHEET S19A OF S22 SHEETS				
	FED. ROAD DIST. NO. 5					ILLINOIS	FED. AID PROJECT			

Page 1 of 2

Date 4/29/21

ROUTE FAI 57 DESCRIPTION CH17 over I-57 LOGGED BY KEG

SECTION (10-31HB)BR **LOCATION** Champaign County, IL, SEC. , TWP. , RNG. ,

COUNTY Champaign DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO. 010-0295	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station	E	L	C	O	Stream Bed Elev.	ft	E	L	C	O
	P	W	S	I			P	W	S	I
BORING NO. SB-1	H	S	Qu	T	Groundwater Elev.:		H	S	Qu	T
Station					First Encounter	654.5 ft▼				
Offset					Upon Completion	ft				
Ground Surface Elev. 708.95 ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	ft	(ft)	(/6")	(tsf)	(%)

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)

Station: 28+67.73
Offset: 6.25' RT

Page 2 of 2

Date 4/29/21

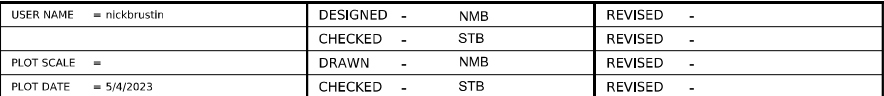
ROUTE FAI 57 DESCRIPTION CH17 over I-57 LOGGED BY KEG

SECTION (10-31HB)BR **LOCATION** Champaign County, IL, SEC. , TWP. , RNG. ,

COUNTY Champaign DRILLING METHOD HSA HAMMER TYPE AUTO

STRUCT. NO.	010-0295	D	B	U	M	Surface Water Elev.		ft	D	B	U	M	
Station		E	L	C	O	Stream Bed Elev.		ft	E	L	C	O	
		P	W	S	I				P	W	S	I	
BORING NO.	SB-1	H	Qu	T	S	Groundwater Elev.:			H	Qu	T	S	
Station						First Encounter	654.5	ft ▼					
Offset						Upon Completion		ft					
Ground Surface Elev.	708.95	ft	(ft)	(6")	(tsf)	After	Hrs.		ft	(ft)	(6")	(tsf)	(%)

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 SHEET 1 OF 3
STRUCTURE NO. 010-0295

SHEET S20 OF S22 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	49
		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

MODEL:
FILE NAME: T:\TRG\Business\Clients\IDOT\Projects\20-040 PTB 195-041 I-57 Bridge\400 CADD\CAD Sheets\20-040-Soll Borino-1.dgn

Page 1 of 2

Date 4/27/21

ROUTE FAI 57 DESCRIPTION CH17 over I-57 LOGGED BY KEG

SECTION (10-31HB)BR **LOCATION** Champaign County, IL, SEC. , TWP. , RNG. ,

Latitude 39°58'1.7705 N , Longitude 88°18'10.7566 W

COUNTY	Champaign	DRILLING METHOD	HSA	HAMMER TYPE	AUTO
--------	-----------	-----------------	-----	-------------	------

STRUCT. NO. 010-0295	D E B L U M	Surface Water Elev.	ft	D E B L U M
Station	P T O C I S	Stream Bed Elev.	ft	P T O C I S
BORING NO. SB-2	H W S Qu T	Groundwater Elev.:		H W S Qu T
Station		First Encounter	625.6 ft▼	
Offset		Upon Completion	ft	
Ground Surface Elev. 689.13 ft	(ft) (6") (tsf) (%)	After Hrs.	ft	(ft) (6") (tsf) (%)

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)

Station: 29+83.86
Offset: 21.83' RT

Page 2 of 2

Date 4/27/21

ROUTE FAI 57 DESCRIPTION CH17 over I-57 LOGGED BY KEG

SECTION (10-31HB)BR **LOCATION** Champaign County, IL, SEC. , TWP. , RNG. ,

Latitude 39°58'1.7705 N , Longitude 88°18'10.7566 W

COUNTY	Champaign	DRILLING METHOD	HSA	HAMMER TYPE	AUTO
--------	-----------	-----------------	-----	-------------	------

STRUCT. NO.	010-0295	D	B	U	M	Surface Water Elev.		ft	D	B	U	M
Station		E	L	C	O	Stream Bed Elev.		ft	E	L	C	O
		P	T	W	S				P	T	W	S
BORING NO.	SB-2	H	Q			Groundwater Elev.:			H	Q		
Station						First Encounter	625.6	ft				
Offset						Upon Completion		ft				
Ground Surface Elev.	689.13	ft	(ft)	(6")	(tsf)	After	Hrs.		ft	(ft)	(6")	(tsf)
					(%)							(%)

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

Page 1 of 2

Date 4/30/21

ROUTE	FAI 57	DESCRIPTION	CH17 over I-57	LOGGED BY	KEG
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SECTION (10-31HB)BR LOCATION Champaign County, IL. SEC. . TWP. . RNG. .

Latitude 39°58'1.5086 N , Longitude 88°18'12.4168 W

STRUCT. NO.	010-0295	D	B	U	M	Surface Water Elev.	ft	D	B	U	M
Station		E	L	C	O	Stream Bed Elev.	ft	E	L	C	O
		P	W	S	I			P	W	S	I
BORING NO.	SB-3	T	H	Q	T	Groundwater Elev.:		T	H	Q	T
Station						First Encounter	682.2 ft▼				
Offset						Upon Completion	ft				
Ground Surface Elev.	709.19 ft	(ft)	(/6")	(tsf)	(%)	After Hrs.	ft	(ft)	(/6")	(tsf)	(%)

ASPHALT PAVEMENT - 9"			708.44					SILTY CLAY LOAM TILL FILL - Brown, stiff (continued)								
AGGREGATE BASE - 9"			707.69		7	4	2.6	6	with organics			687.69		5		
SANDY CLAY FILL - Brown, medium-stiff, with gravel					4		B		SILTY CLAY LOAM TILL - Brown, stiff					10	6.1	17
														9	S	
Atterberg Limits:					2									4		
I I =28, PI =15, PL=13					2	1.8		14						5	3.1	17
					-5	3	B							6	B	
			703.69										-25			
SILTY CLAY LOAM TILL FILL - Brown, stiff					3				becomes medium-stiff					2		
					6	4.2		12				682.19▼		1	1.1	17
					6	B			CLAYEY SAND - Brown, with gravel, wet					2	B	
Poor recovery					3									4		
					4	3.5		12				679.69		6	7.2	11
					-10	5	P		SILTY CLAY LOAM TILL - Brown, stiff					10	B	
					3											
					4	5.0		12								
					5	B										
					3									8		
					4	3.9		12	becomes gray					9	8.7	11
					-15	5	S							12	S	
Poor recovery																
					4											
					5	3.5		12								
					6	P										
					4									7		
					5	4.2		14						8	10.0	10
					-20	6	B							11	B	
														-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)

BBS, form 137 (Rev. 8-99)

BORING SB-3 LOCATION

Station: 31+12.76

Offset: 6.5' LT



SOIL BORING LOG

Page 2 of 2

Date 4/30/21

ROUTE	FAI 57	DESCRIPTION	CH17 over I-57	LOGGED BY	KEG
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SECTION (10-31HB)BR LOCATION Champaign County, IL. SEC. . TWP. . RNG. .

Latitude 39°58'1.5086 N . Longitude 88°18'12.4168 W

STRUCT. NO. 010-0295	D	B	L	U	M	Surface Water Elev.		ft	D	B	L	U	M
Station	E	P	O	C	S	Stream Bed Elev.		ft	E	P	O	C	S
BORING NO. SB-3	T	W	S	I	T	Groundwater Elev.:			T	W	S	I	T
Station	H	S	Qu			First Encounter	682.2	ft	H	S	Qu		
Offset						Upon Completion		ft					
Ground Surface Elev. 709.19	ft	(ft)	(/6")	(tsf)	(%)	After	Hrs.		ft	(ft)	(/6")	(tsf)	(%)

SILTY CLAY LOAM TILL - Brown, stiff (continued)				SILTY CLAY LOAM TILL - Brown, stiff (continued)			
becomes brown	7			Poor recovery			
	14	10.0	11		12		
-45	11	B		-65	18	4.5	10
					25	P	
	7				13		
	8	8.1	12		13	7.2	12
-50	13	B		-70	13	B	
	9				6		
	12	8.1	12		9	3.1	14
-55	15	B		634.19	-75	12	B
	6						
	9	7.4	11				
-60	11	B		-80			

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)



USER NAME = nickbrustin	DESIGNED - NMB	REVISED -
	CHECKED - STB	REVISED -
PLOT SCALE =	DRAWN - NMB	REVISED -
PLOT DATE = 5/4/2023	CHECKED - STB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

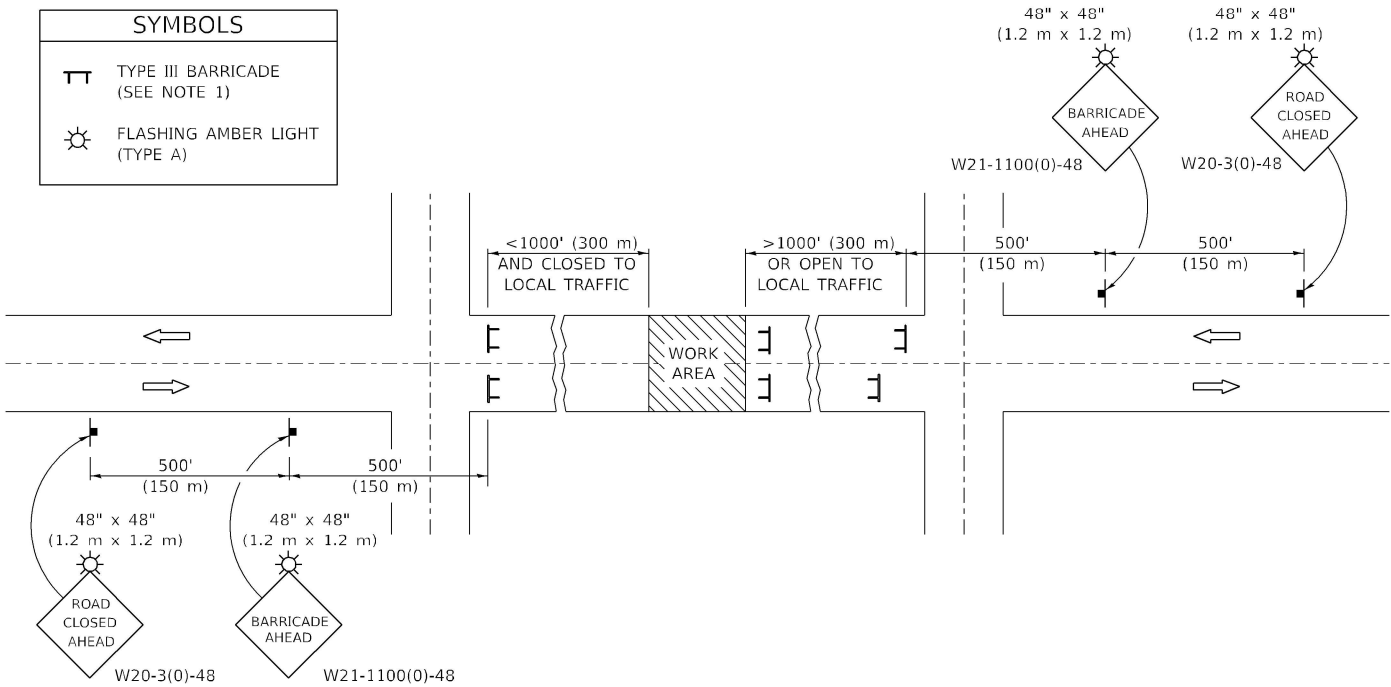
SOIL BORING LOG SHEET 3 OF 3
STRUCTURE NO. 010-0295

SHEET S22 OF S22 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	51
		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

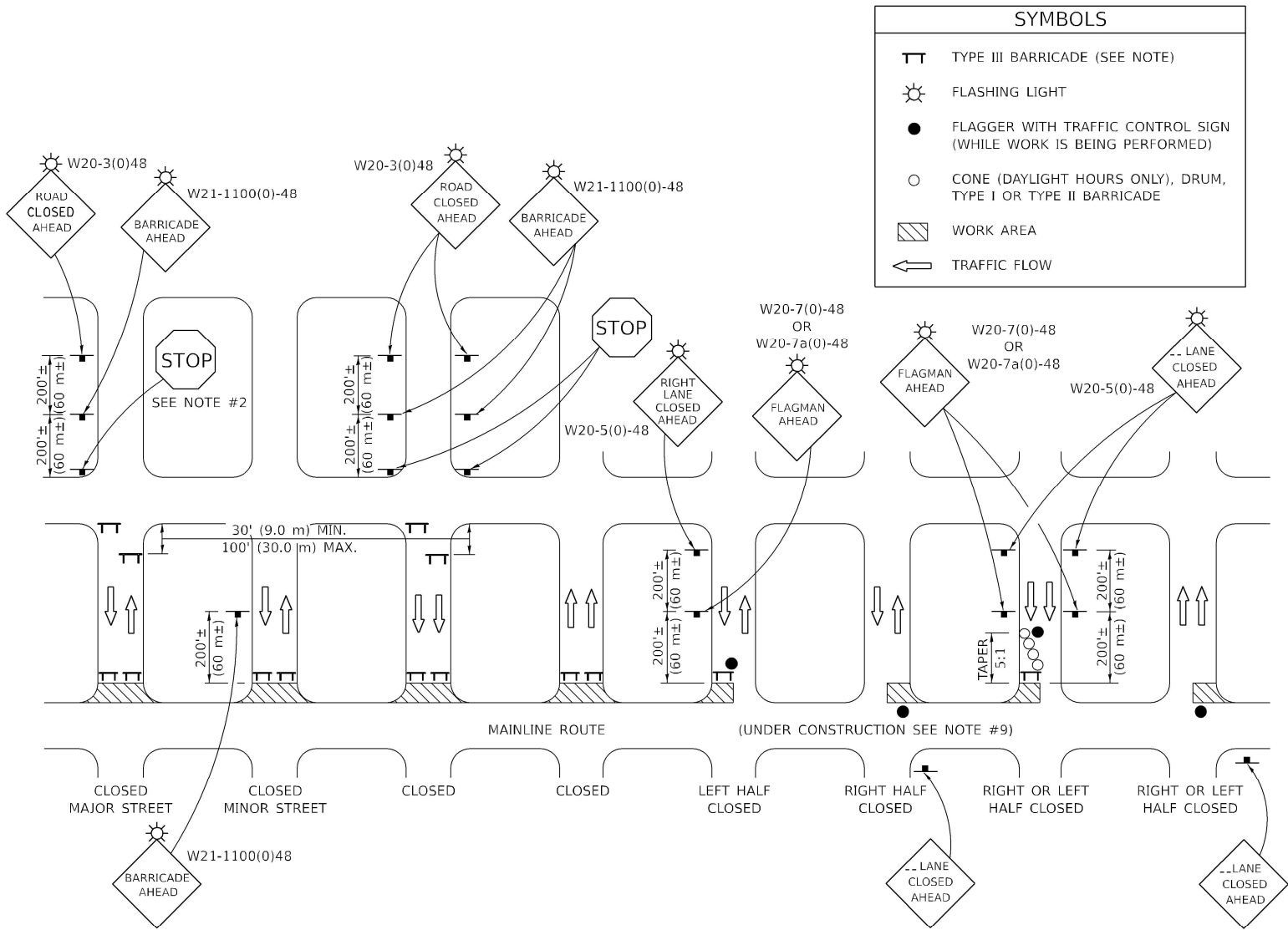
ROAD CLOSURE

SIDEROAD / STREET CLOSURE



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

= SPECIALTY ITEM

MODEL: 70200000
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26-58806

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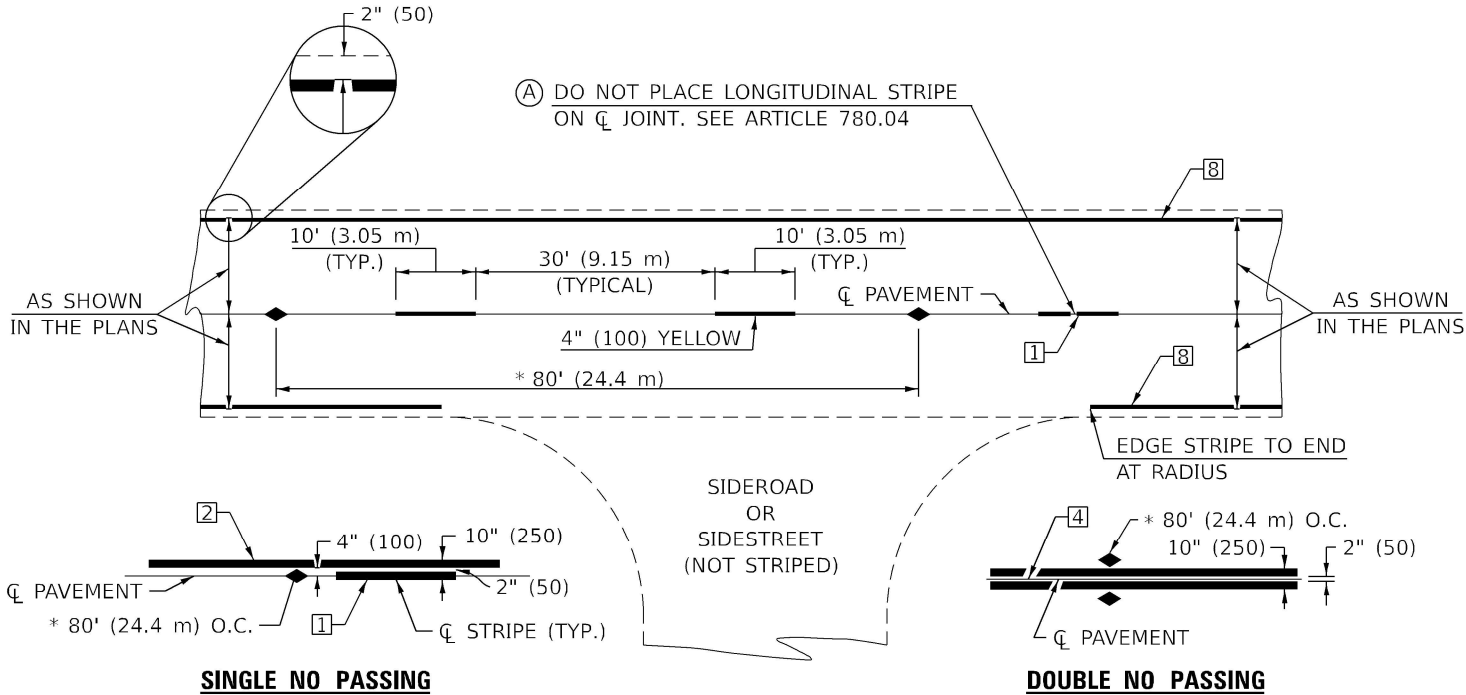
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 5 STANDARD DETAILS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA. _____

DISTRICT 5 DETAIL NO. 70200000

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-30)BR	CHAMPAIGN	65	52
CONTRACT NO. 70A87				
ILLINOIS FED. AID PROJECT				



(A) DO NOT PLACE LONGITUDINAL STRIPE ON CL JOINT. SEE ARTICLE 780.04

SINGLE NO PASSING

DOUBLE NO PASSING

* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

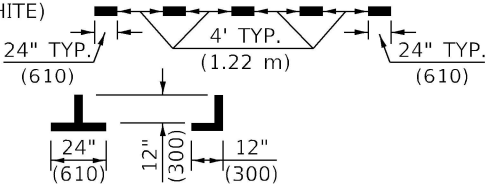
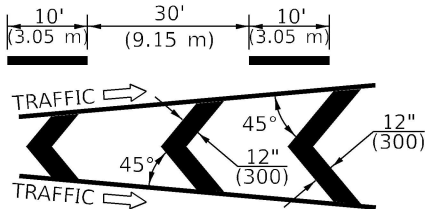
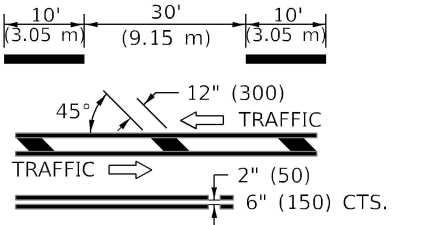
TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

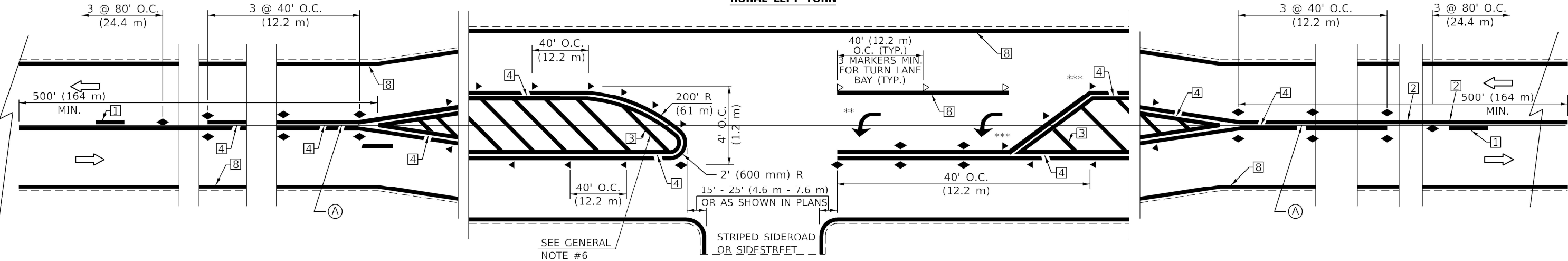
- 4" (100) SKIP-DASH (YELLOW)
- 4" (100) SOLID (YELLOW)
- 12" (300) DIAGONAL (YELLOW)
- 4" (100) DOUBLE YELLOW (NARROW)
- RESERVED
- RESERVED
- 4" (100) SKIP-DASH (WHITE)
- 4" (100) SOLID (WHITE)
- 12" (300) DIAGONAL (WHITE)
- 6" (150) SOLID (WHITE)
- 24" (600) STOP BAR (WHITE)
- 4" (100) LANE LINE EXTENSIONS (WHITE)
- 4" (100) PARKING WHITE

TYPICAL PAVEMENT MARKERS LEGEND

- TWO-WAY AMBER MARKER
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER



RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.
** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

= SPECIALTY ITEM

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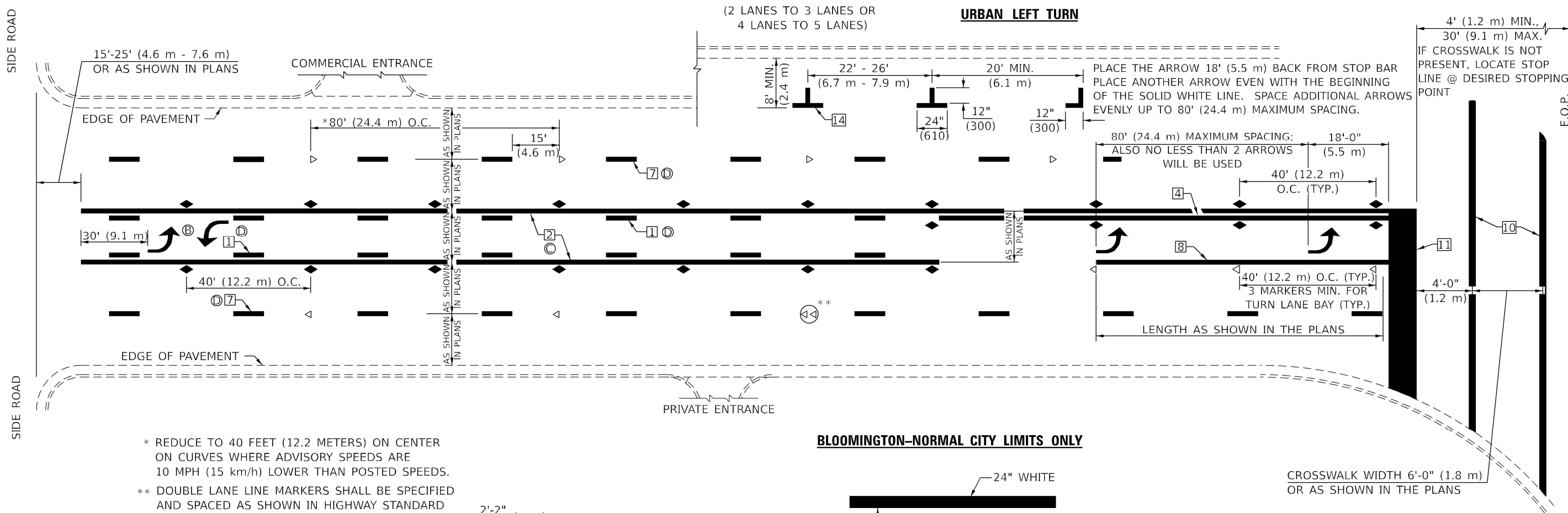
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 5 STANDARD DETAILS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA. _____

DISTRICT 5 DETAIL NO. 7800AAA

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-30)BR	CHAMPAIGN	65	53
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				

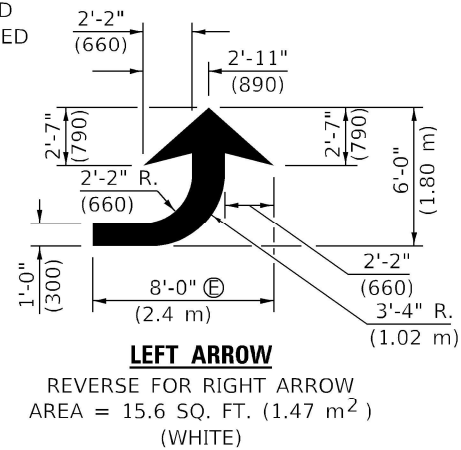


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

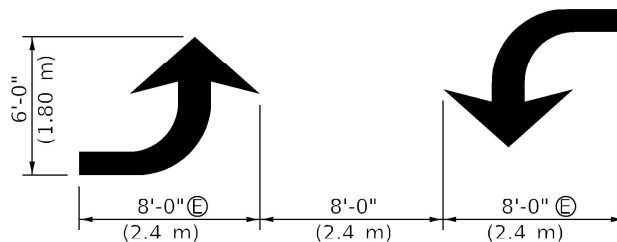
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

GENERAL NOTES:

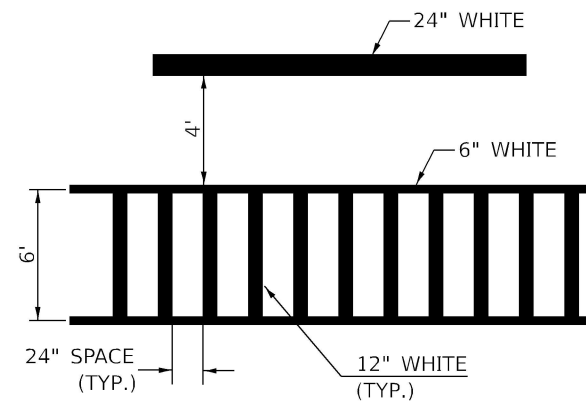
- Ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- Ⓒ THE SOLID YELLOW PAVEMENT MARKINGS ② SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- Ⓓ THE SKIP-DASH PAVEMENT MARKINGS ① OR ⑦ SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



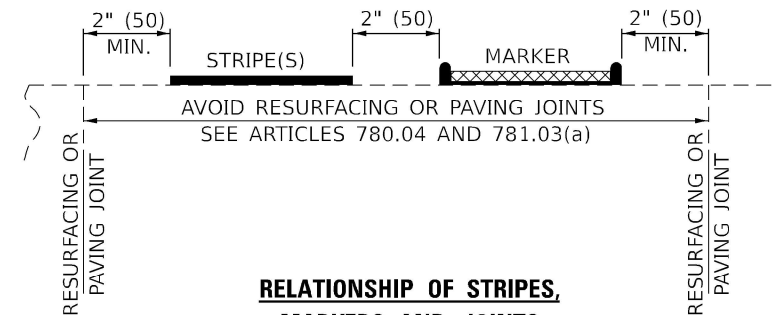
TYPICAL DOUBLE TURN ARROWS (WHITE)



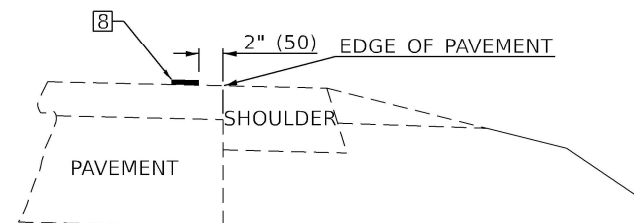
BLOOMINGTON-NORMAL CITY LIMITS ONLY



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

= SPECIALTY ITEM

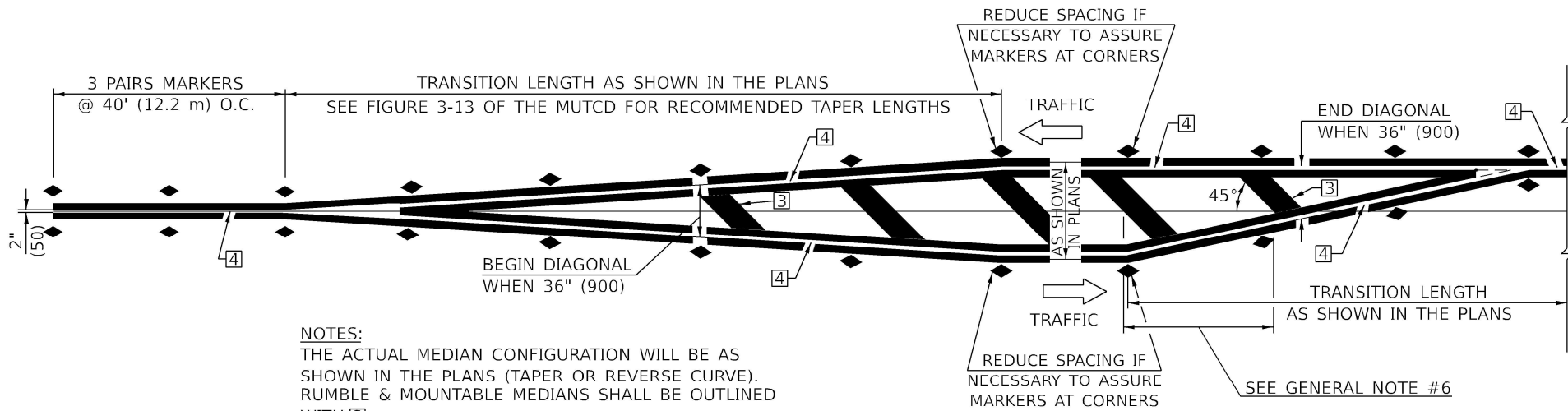
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 5 STANDARD DETAILS

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-30)BR	CHAMPAIGN	65	54
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA. _____

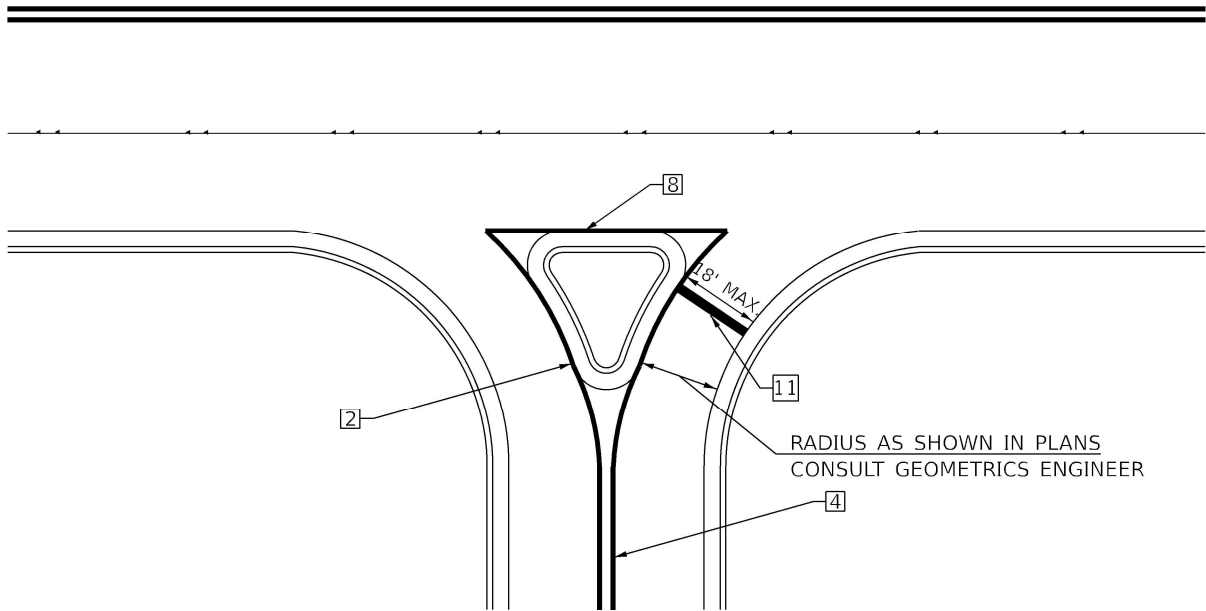


NOTES:
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2] .

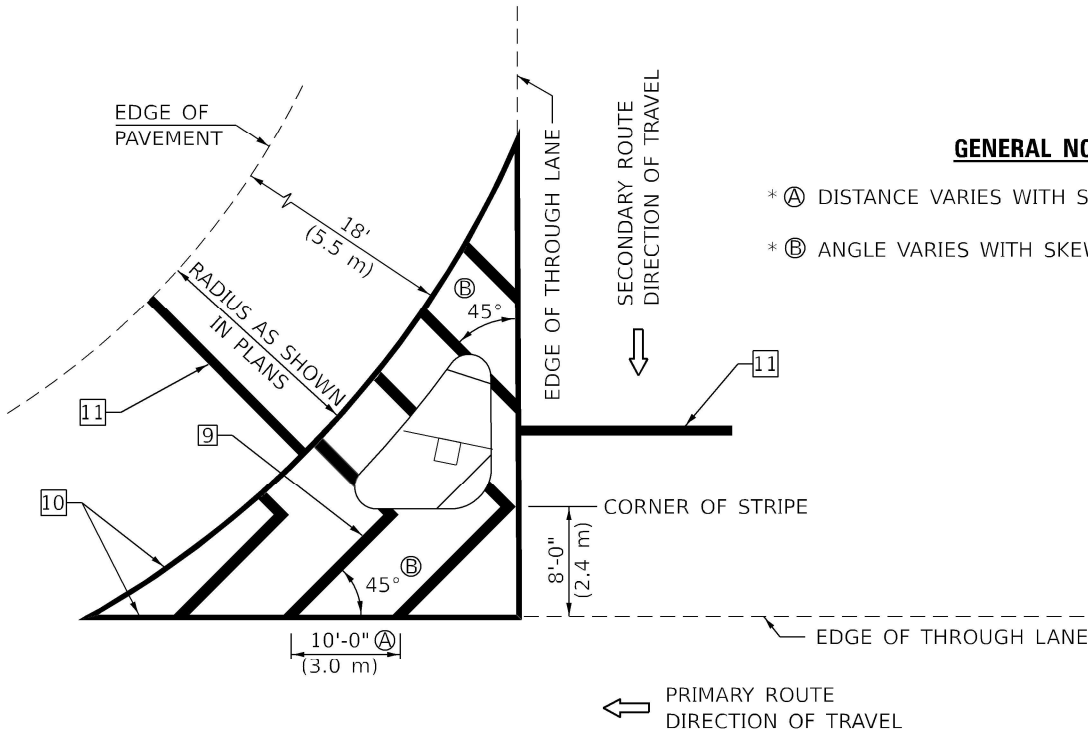
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
<30 MPH USE 15' (<50 km/h USE 4.5 m)
30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
>45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



ISLAND

GENERAL NOTES

- * Ⓐ DISTANCE VARIES WITH SKEW OF INTERSECTION.
- * Ⓑ ANGLE VARIES WITH SKEW OF INTERSECTION.

* FOR RIGHT TURN LANE AND ISLAND STRIPING CONSULT GEOMETRICS ENGINEER.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

= SPECIALTY ITEM

MODEL: 7800AAA-3
FILE NAME: P:\2024\103\1 Phase I IL57 under CH170_IDOT\CAD_Sheets\10308-1\10308-1\DOT516.dgn



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ILLINOIS NO. 012-025612-0002
ILLINOIS NO. 012-025612-0003

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DEPARTMENT OF TRANSPORTATION

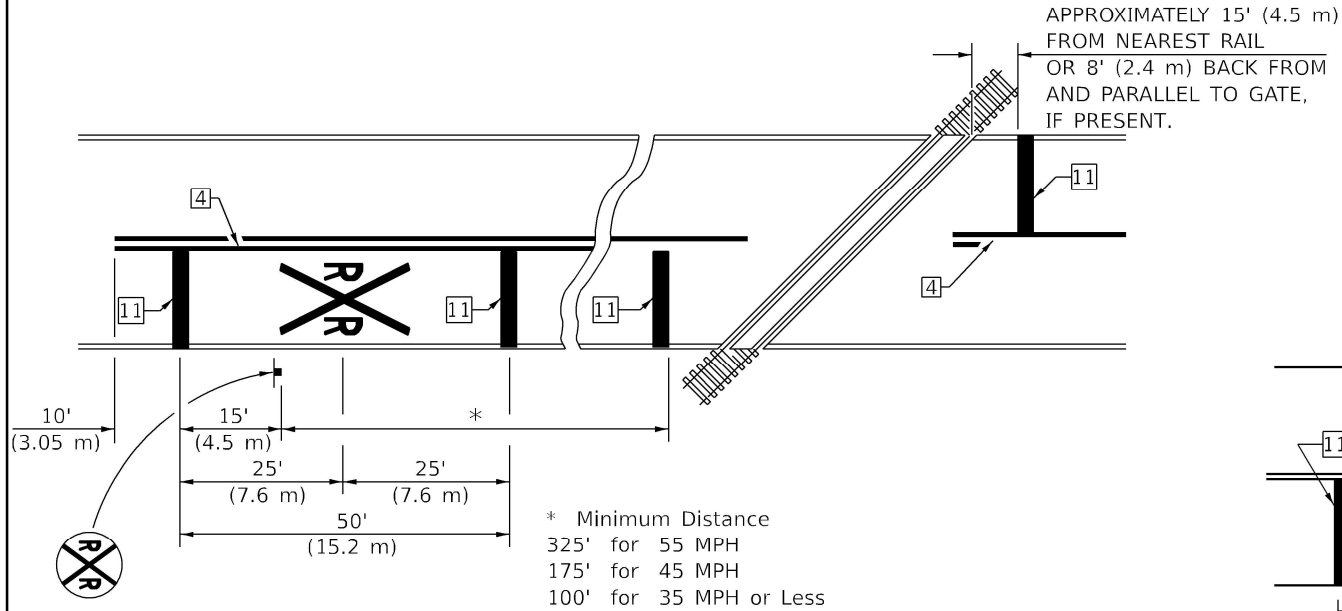
DISTRICT 5 STANDARD DETAILS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA. ____

DISTRICT 5 DETAIL NO. 7800AAAA

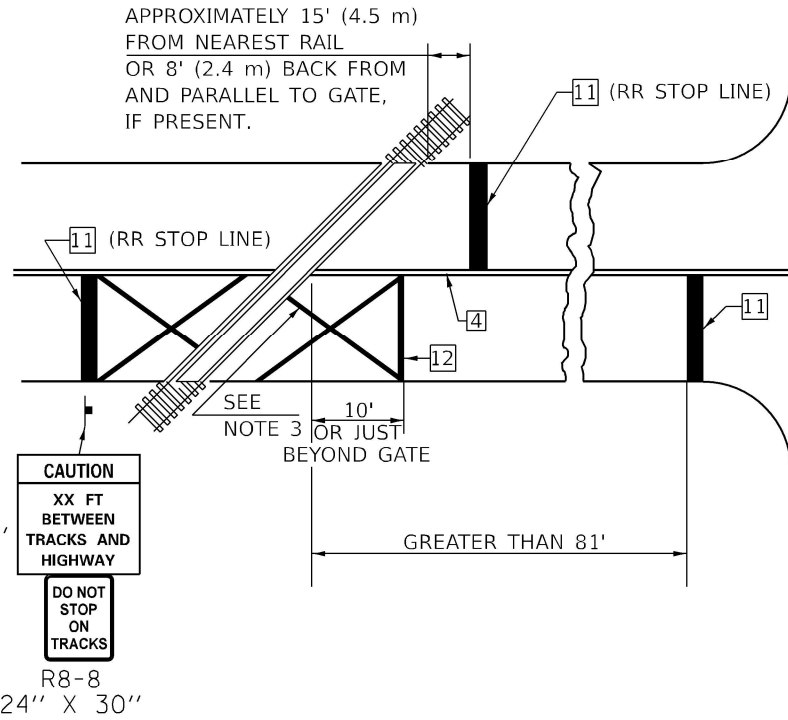
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-30)BR	CHAMPAIGN	65	55
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				

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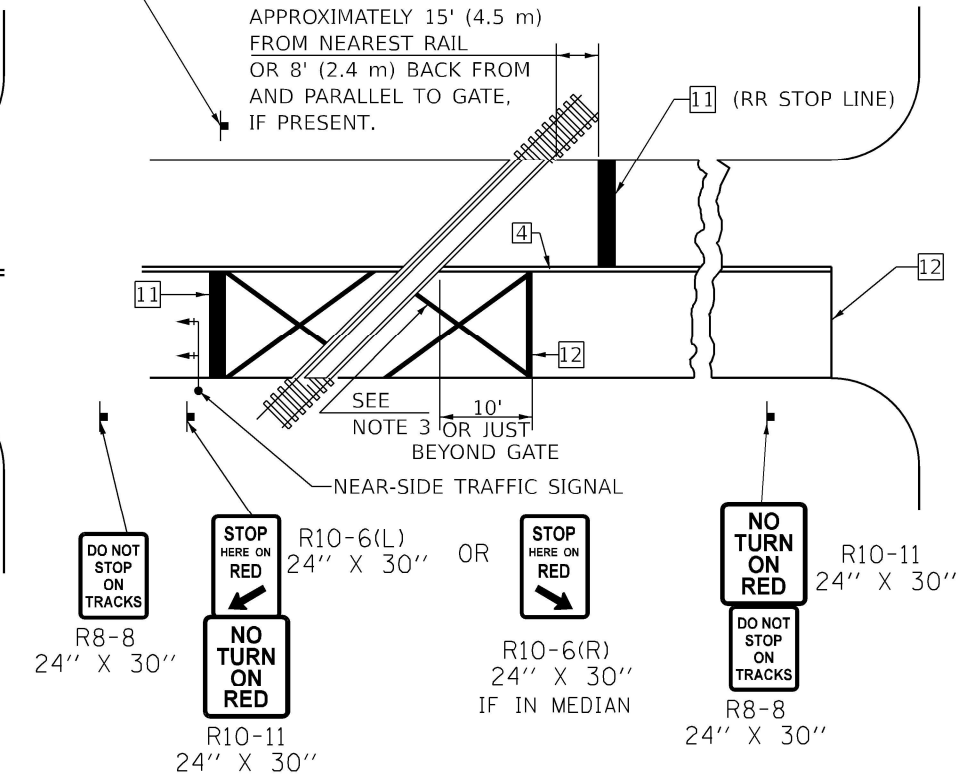
**PAVEMENT MARKINGS AT
RAILROAD-HIGHWAY GRADE CROSSING**

RAILROAD CROSSING WITH INTERCONNECT ONLY



ONLY IF SIGNAL HEAD
CANNOT BE LOCATED
IN MEDIAN

**RAILROAD CROSSING WITH INTERCONNECT
AND PRE-SIGNALS**



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
- XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

**SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR
RAILROAD-HIGHWAY GRADE CROSSING**

ALTERNATE SIGNS



NOTES

THE TRAVERSE SPREAD OF THE "X"
MAY VARY ACCORDING TO LANE WIDTH.

ON MULTI-LANE ROADS, THE STOP LINES
SHALL EXTEND ACROSS ALL APPROACH
LANES AND SEPARATE RXR SYMBOLS SHALL
BE PLACED ADJACENT TO EACH OTHER IN
EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL
IS USED, A PORTION OF THE SYMBOL
SHOULD BE LOCATED DIRECTLY ADJACENT
TO THE ADVANCE WARNING SIGN (W10-1)
AS PLACED BY TABLE II-1, CONDITION B
OF THE MUTCD.

Note: All dimensions are in INCHES
(millimeters) unless otherwise shown.

= SPECIALTY ITEM



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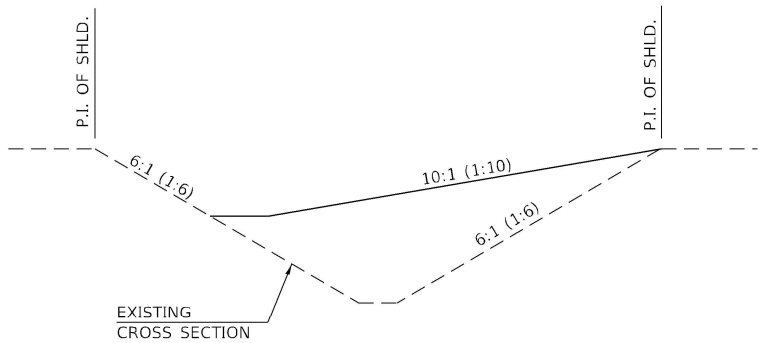
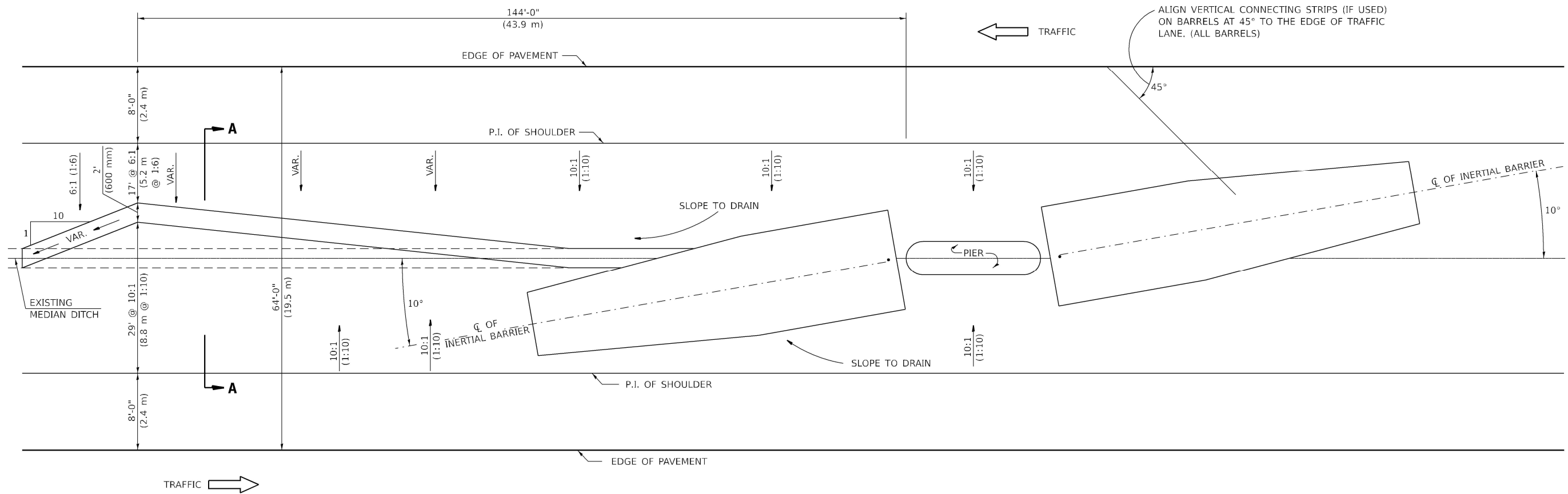
DISTRICT 5 STANDARD DETAILS

SCALE: SHEET 2 OF 3 SHEETS STA. TO STA. _____

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-30)BR	CHAMPAIGN	65	56
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				

DESIGN SPEED GREATER THAN 45 MPH (70 km/h) – 64' (19.5 m) MEDIAN



SECTION A-A
GRADING AND SHAPING DETAIL

GENERAL NOTES

- ALL 10:1 (1:10) SLOPES SHOWN ON THIS DETAIL SHALL BE CONSTRUCTED 10:1 (1:10) OR FLATTER.
- THE SLOPES AS SHOWN ON THIS DETAIL SHALL APPLY TO BOTH ENDS OF THE BRIDGE PIERS.
- IN AREAS OF 10:1 (1:10) SLOPES PRECEDING THE ATTENUATOR IN THE MEDIAN INSTALLATION, FOUR OR MORE WOOD POSTS SHALL BE PLACED AT 5' (1.5 m) INTERVALS IN THE MEDIAN $\bar{C}$. SEE SPECIAL PROVISIONS AND SCHEDULES.
- SEE STANDARD 643001 FOR BASE DIMENSIONS AND SAND MODULE IMPACT ATTENUATOR ARRAY.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. Z0030150C

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-30)BR	CHAMPAIGN	65	57
CONTRACT NO. 70908				
ILLINOIS FED. AID PROJECT				

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 5 STANDARD DETAILS

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

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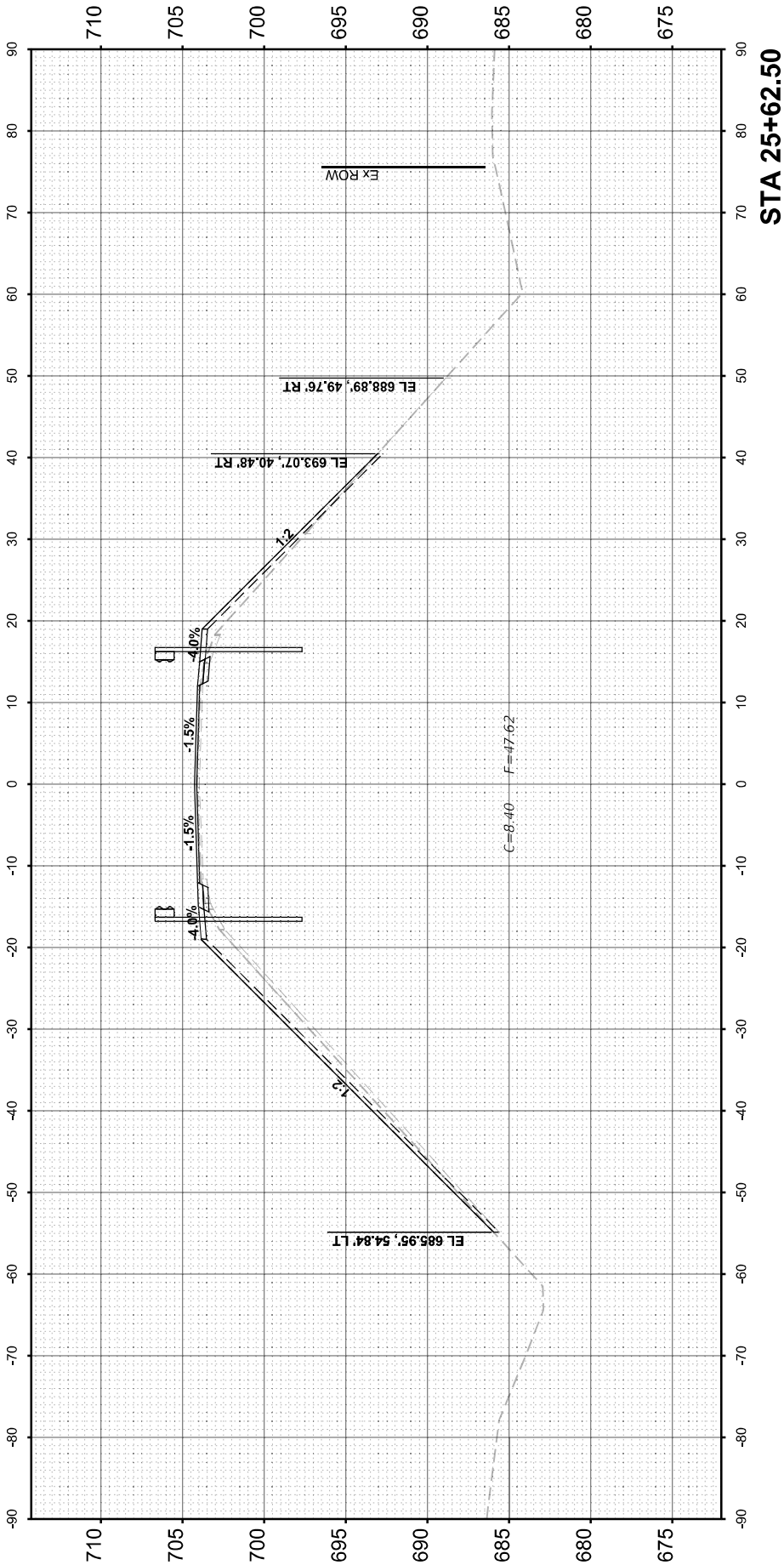
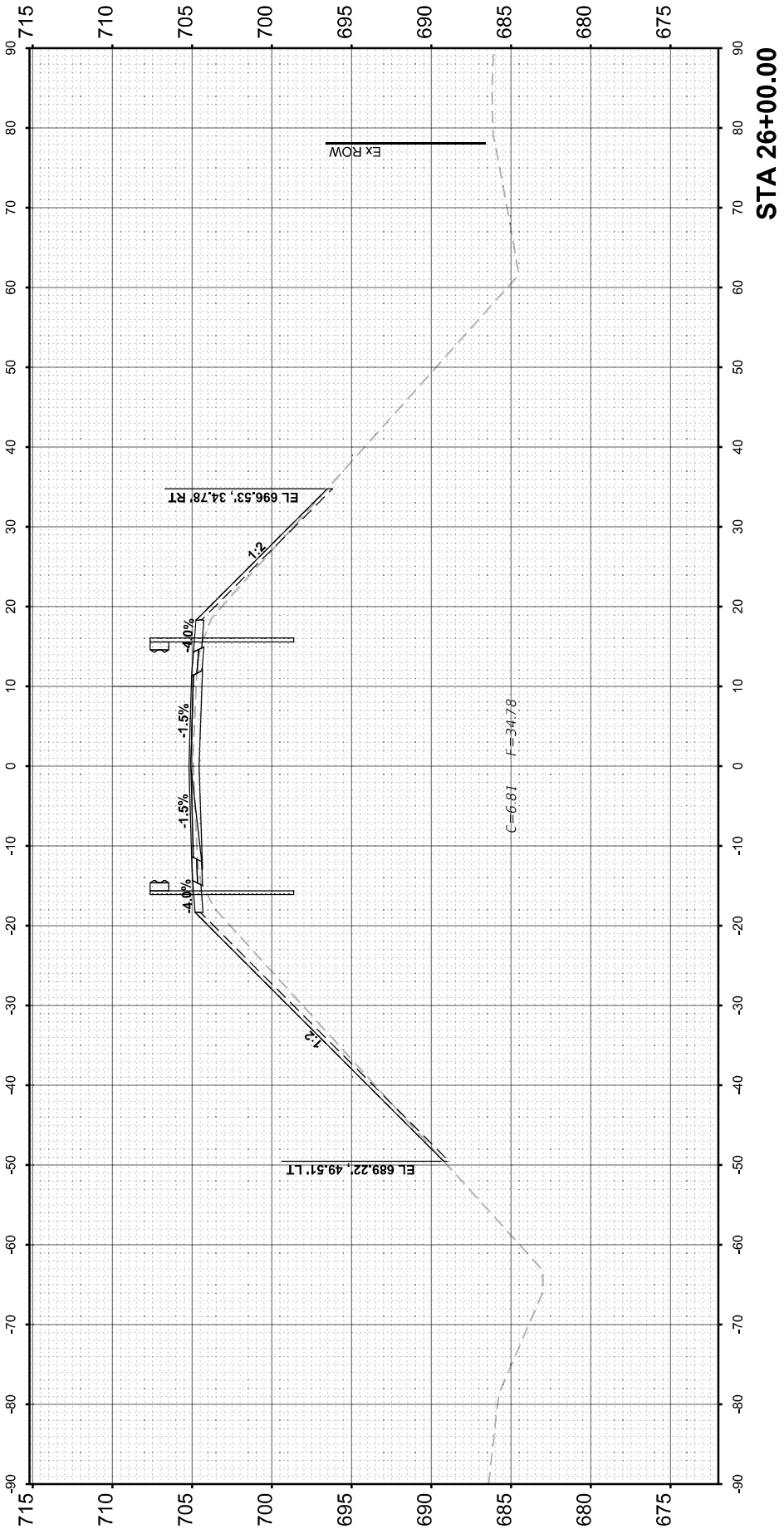
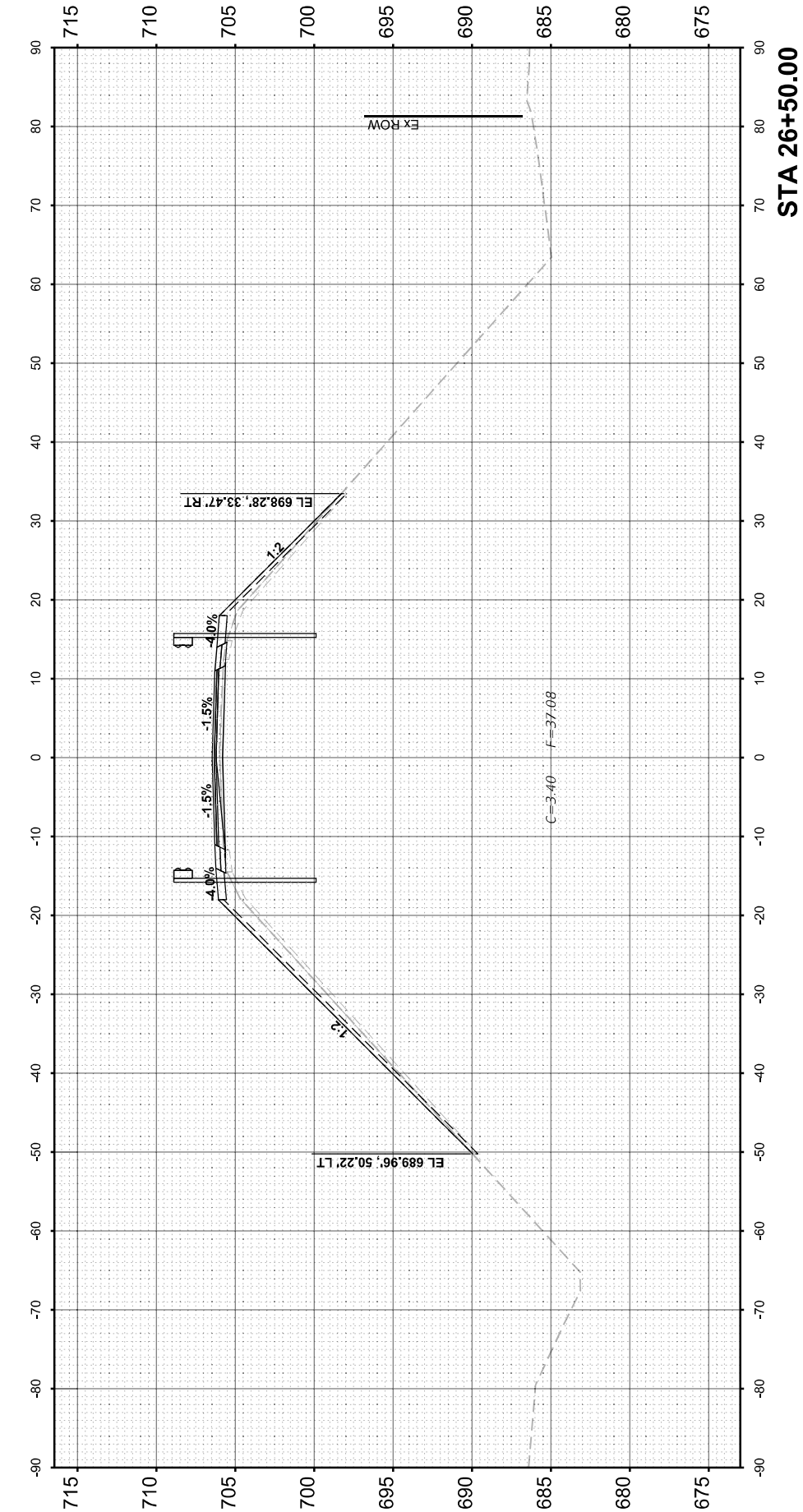
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ILLINOIS NO. 115029562-00
EXPIRATION DATE 12/31/2025
BUSINESS ADDRESS
201 E. Main St., Suite 300
Bellaire, Illinois 62825
618.233.2077 phone
618.233.2077 fax
www.kaskaskiaeng.com

USER NAME = hpapproth	DESIGNED -	REVISED -
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NO.	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED PLOTTED TEMPLATE	BY	DATE
NO.	AREAS CHECKED		

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DESIGNED	- MRT
DRAWN	- MRT
CHECKED	- CJD
DATE	- 03/20/2023

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REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 10' SHEET 1 OF 8 SHEETS STA. 25+62.50 TO STA. 26+50.00

CROSS SECTIONS
CH-17

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	58
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

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

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

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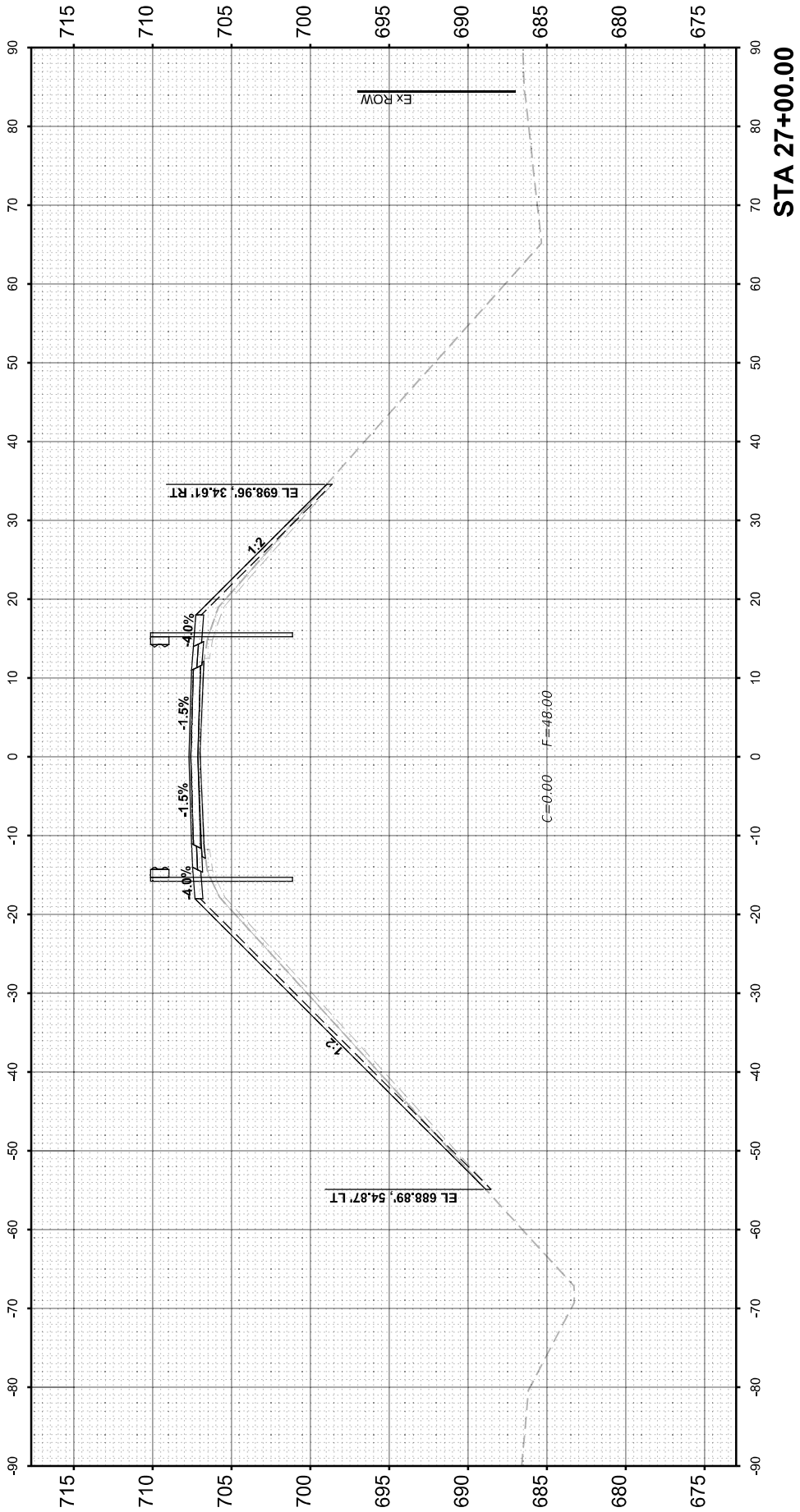
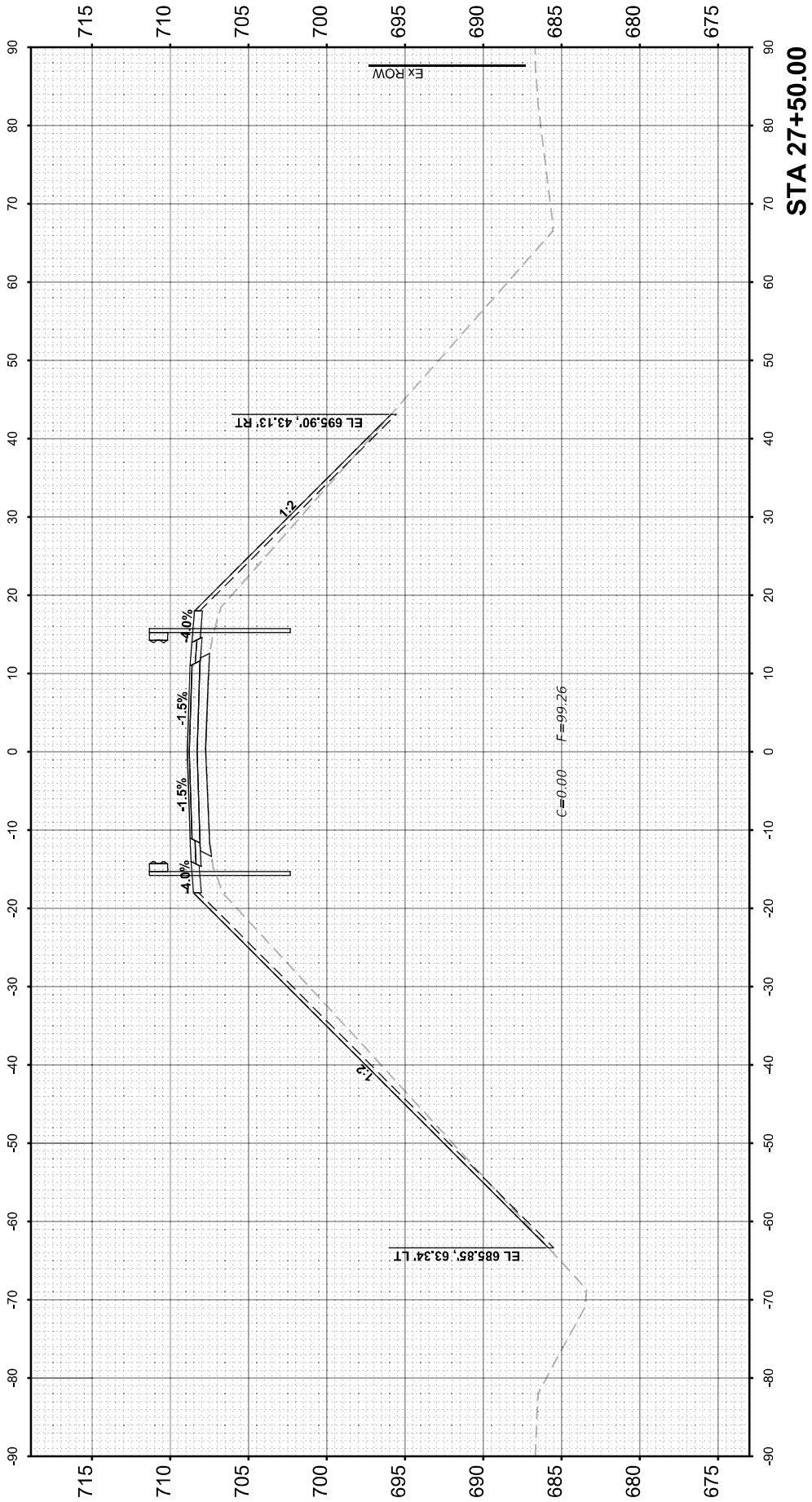
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CH-17

SCALE: 1" = 10' SHEET 2 OF 8 SHEETS STA. 27+00.00 TO STA. 27+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	59
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5		ILLINOIS	FED. AID PROJECT	



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

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

MODEL XSection_Final - 03
FILE NAME: T:\WorkBusiness\Clients\IDOT\Projects\20-040 P1B 195-041 I-57 Bridge400 CADD\CAD_Sheets\0370908-ht-Xsections.dgn



USER NAME	= MatthewToussaint
PLOT SCALE	= 0.16666633 ' / in.
PLOT DATE	= 3/22/2023

DESIGNED	-	MRT
DRAWN	-	MRT
CHECKED	-	CJD
DATE	-	03/20/2023

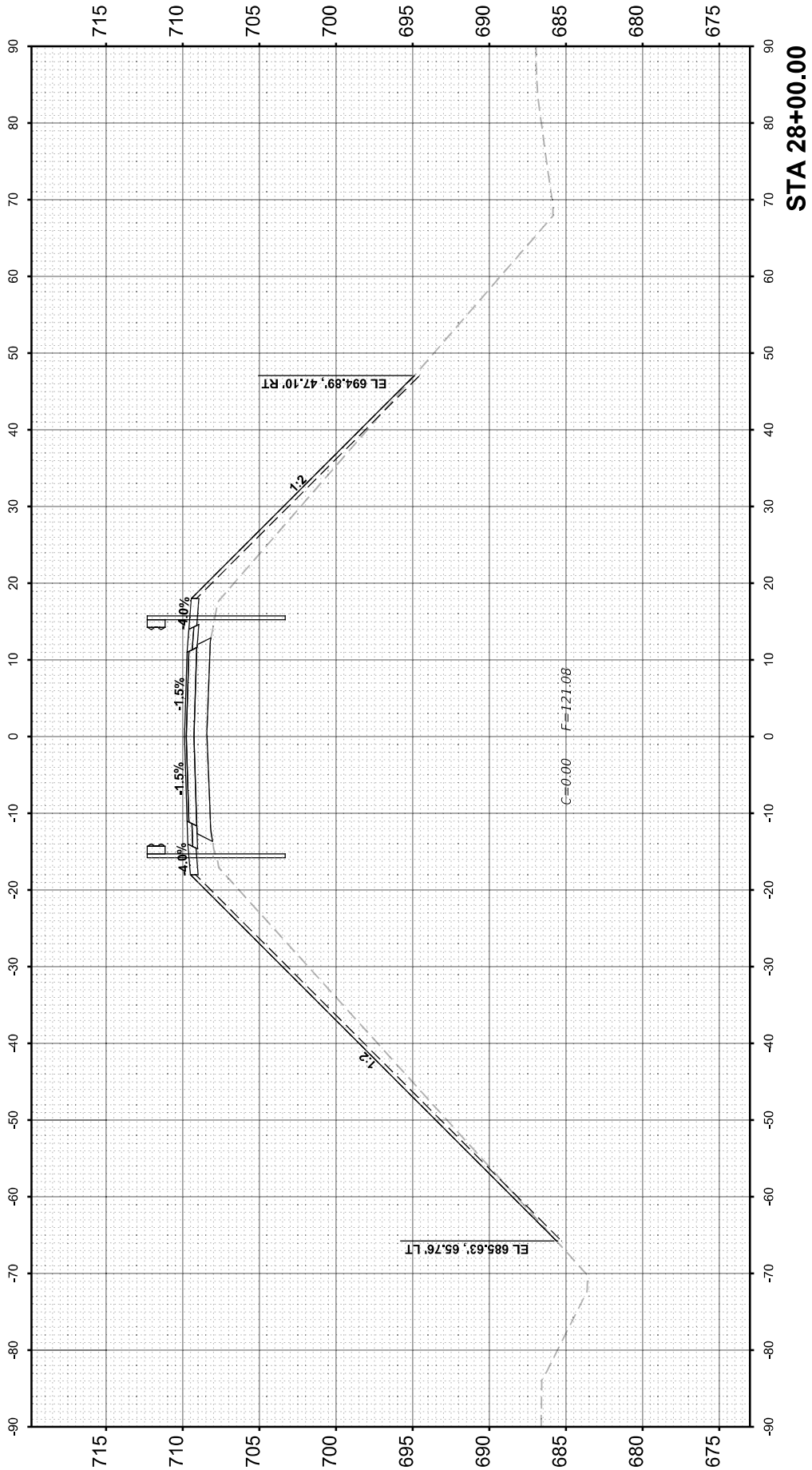
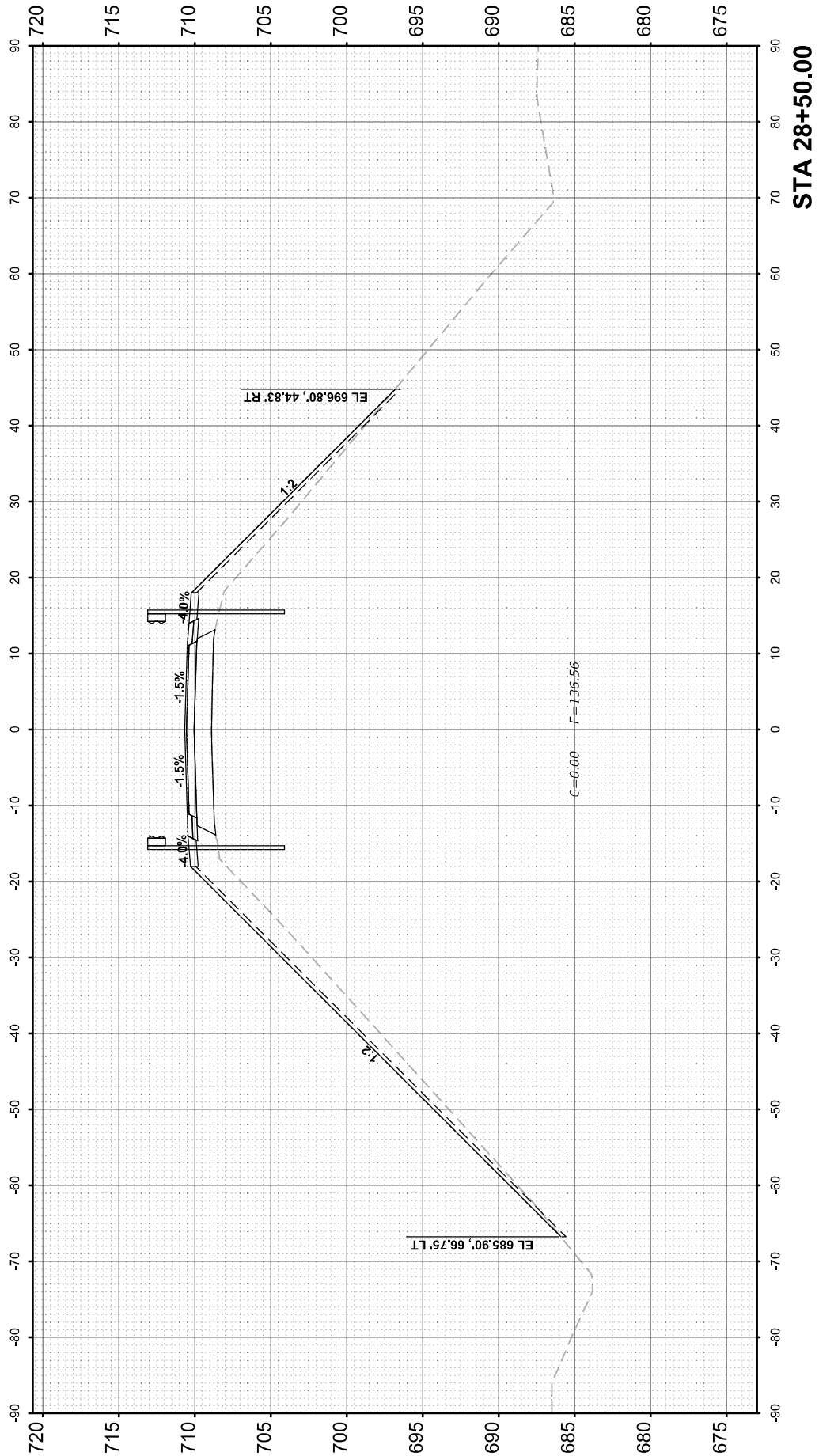
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CH-17

SCALE: 1" = 10'	SHEET 3	OF 8	SHEETS	STA. 28+00.00 TO STA. 28+50.00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	60
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5		ILLINOIS	FED. AID PROJECT	



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

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

MODEL XSection_Final - 04
FILE NAME: T:\Work\Business\Clients\DOT\Projects\30+00 PTB 195-041 I-57 Bridge\400 CADD\CAD_Sheets\0370908-ht-Xsections.dgn



USER NAME	= MatthewToussaint
DESIGNED	- MRT
DRAWN	- MRT
CHECKED	- CJD
DATE	- 03/20/2023

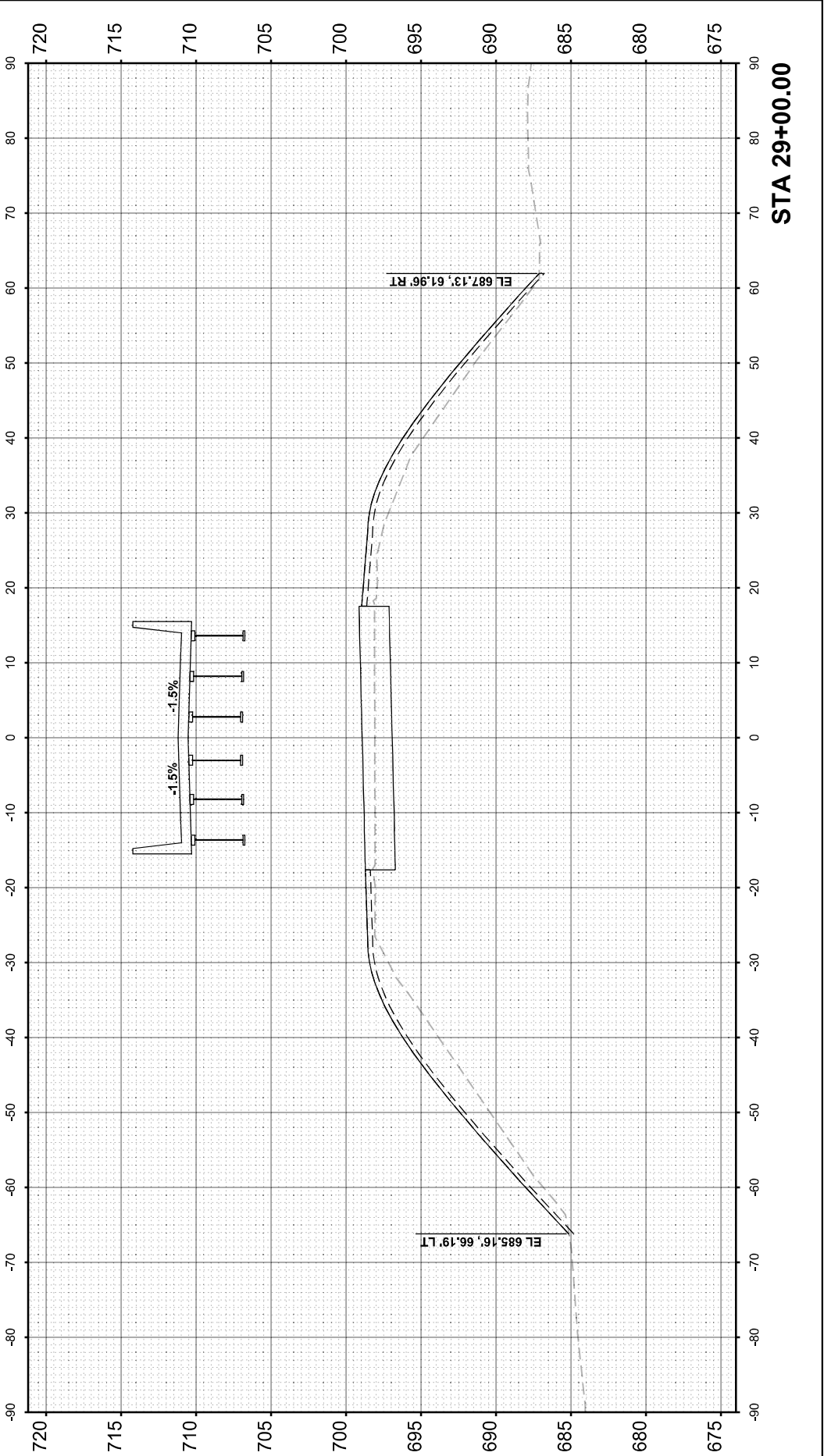
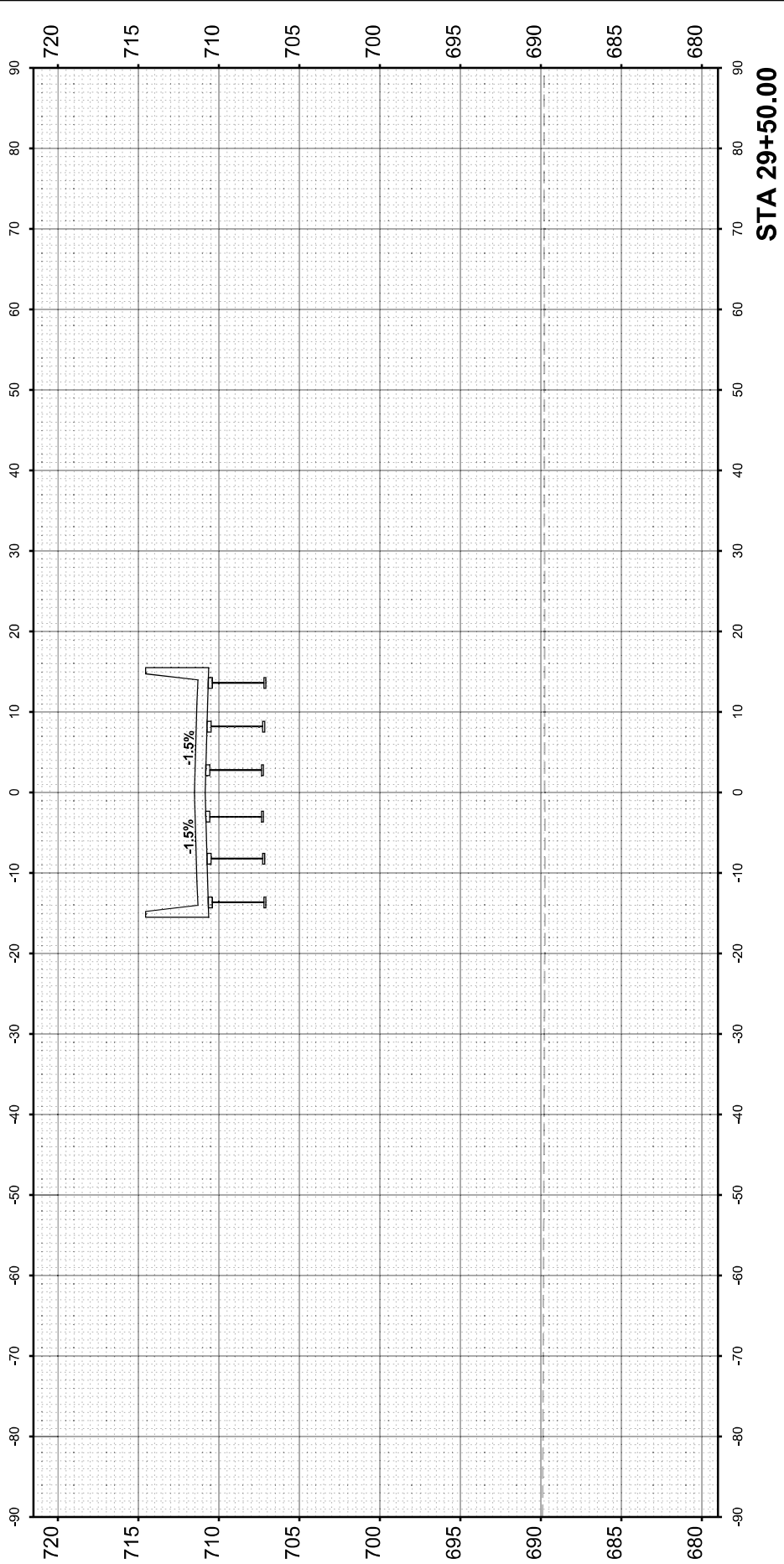
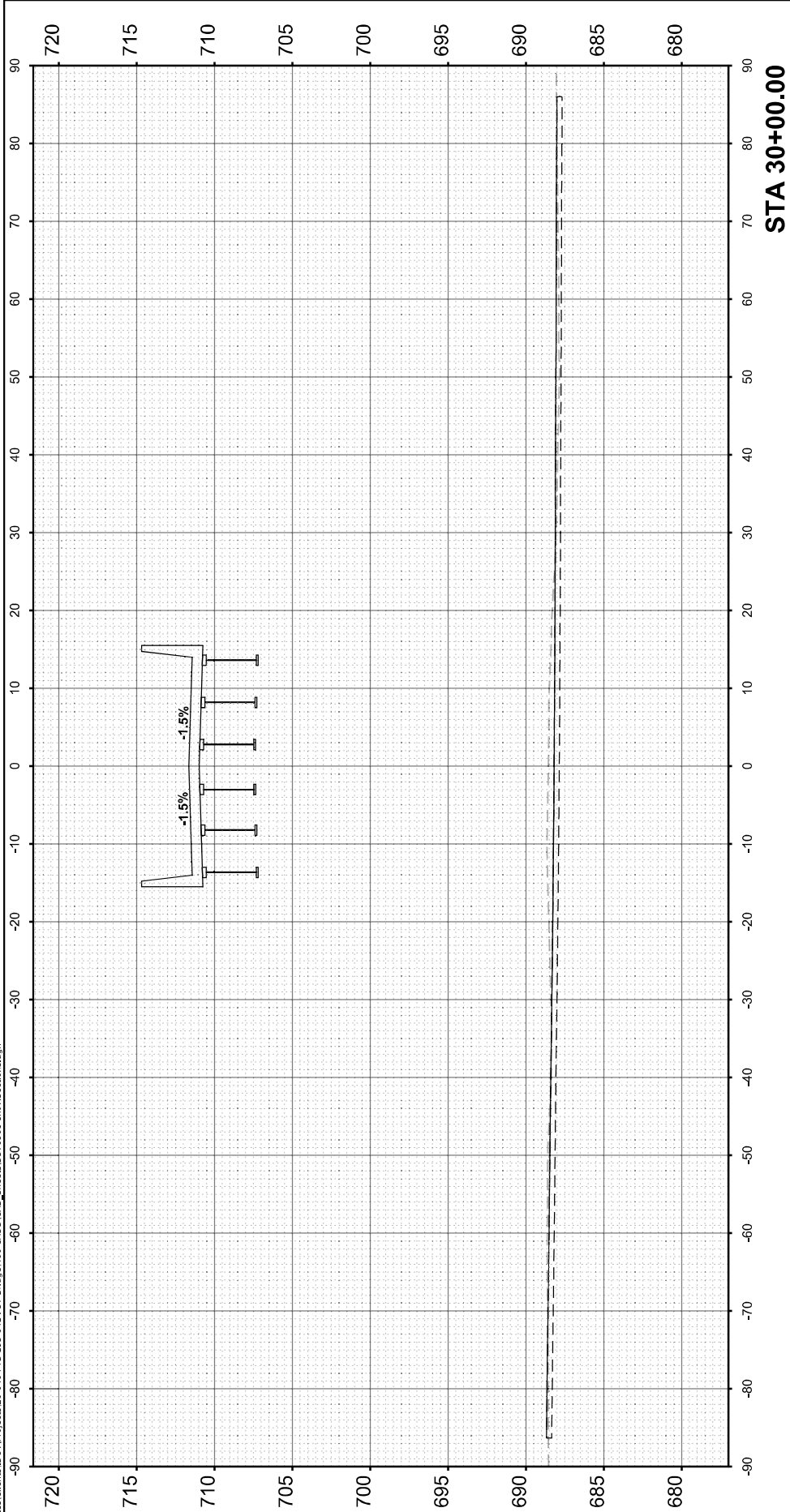
REVISED	-
REVISED	-
REVISED	-
REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CH-17

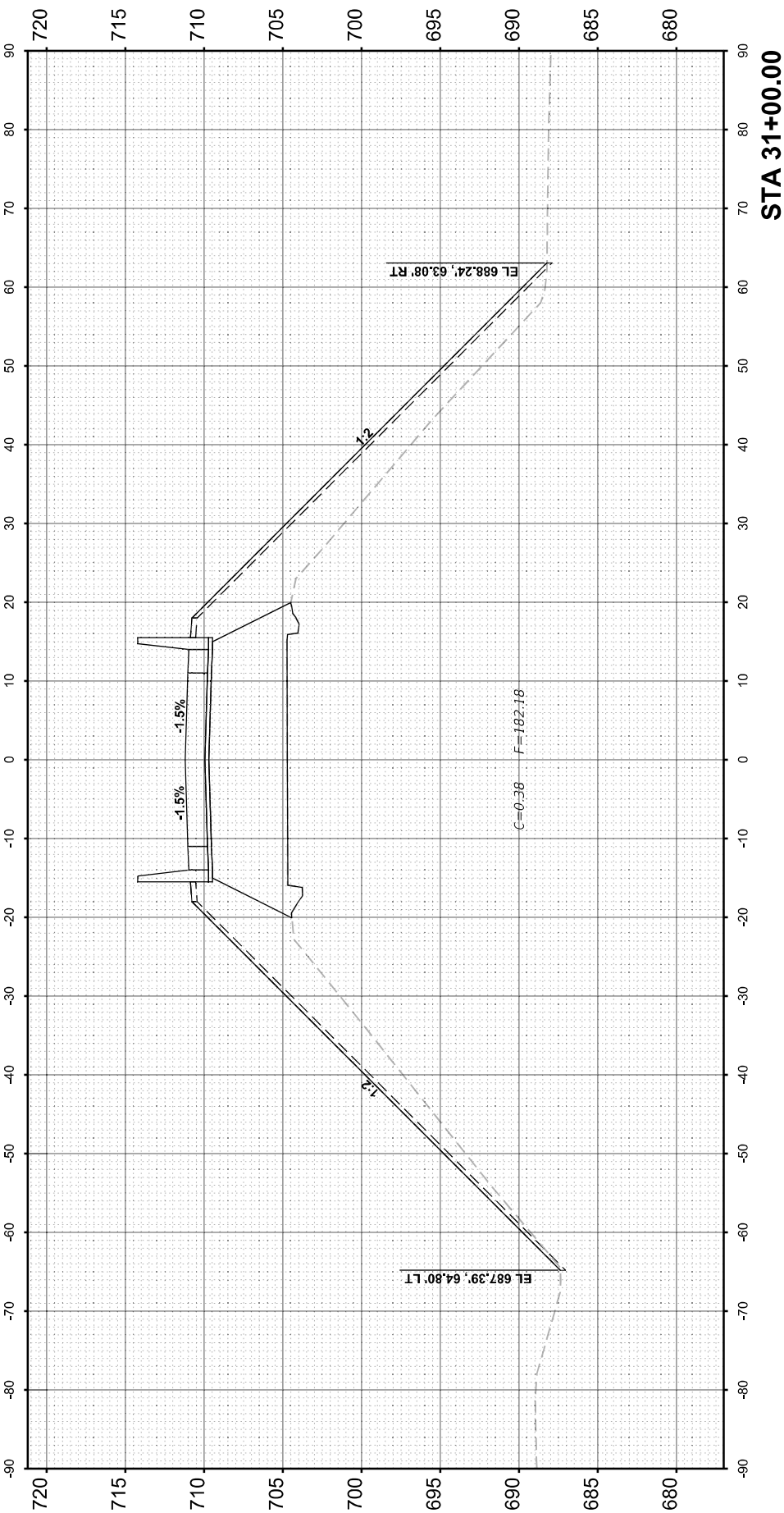
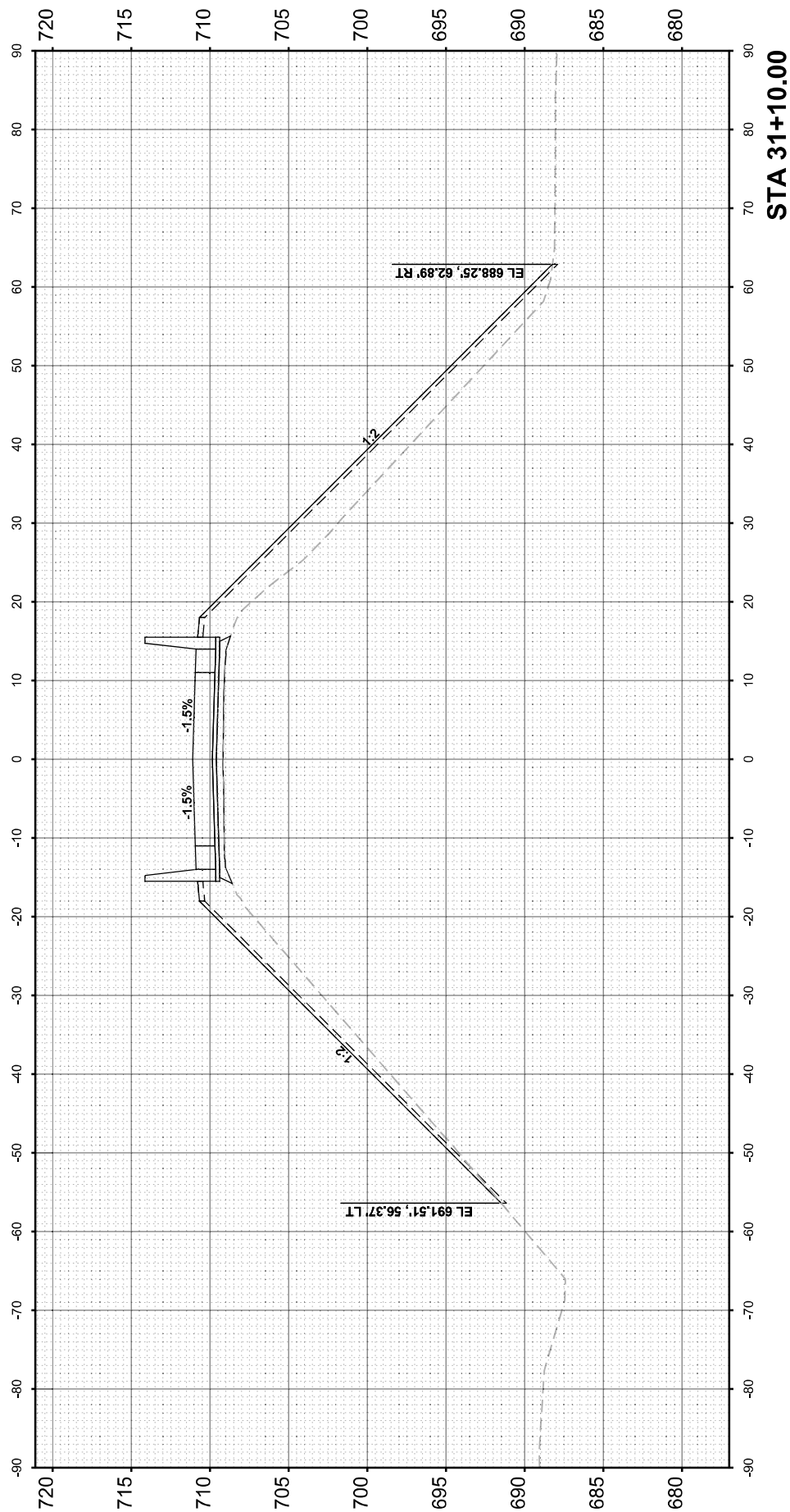
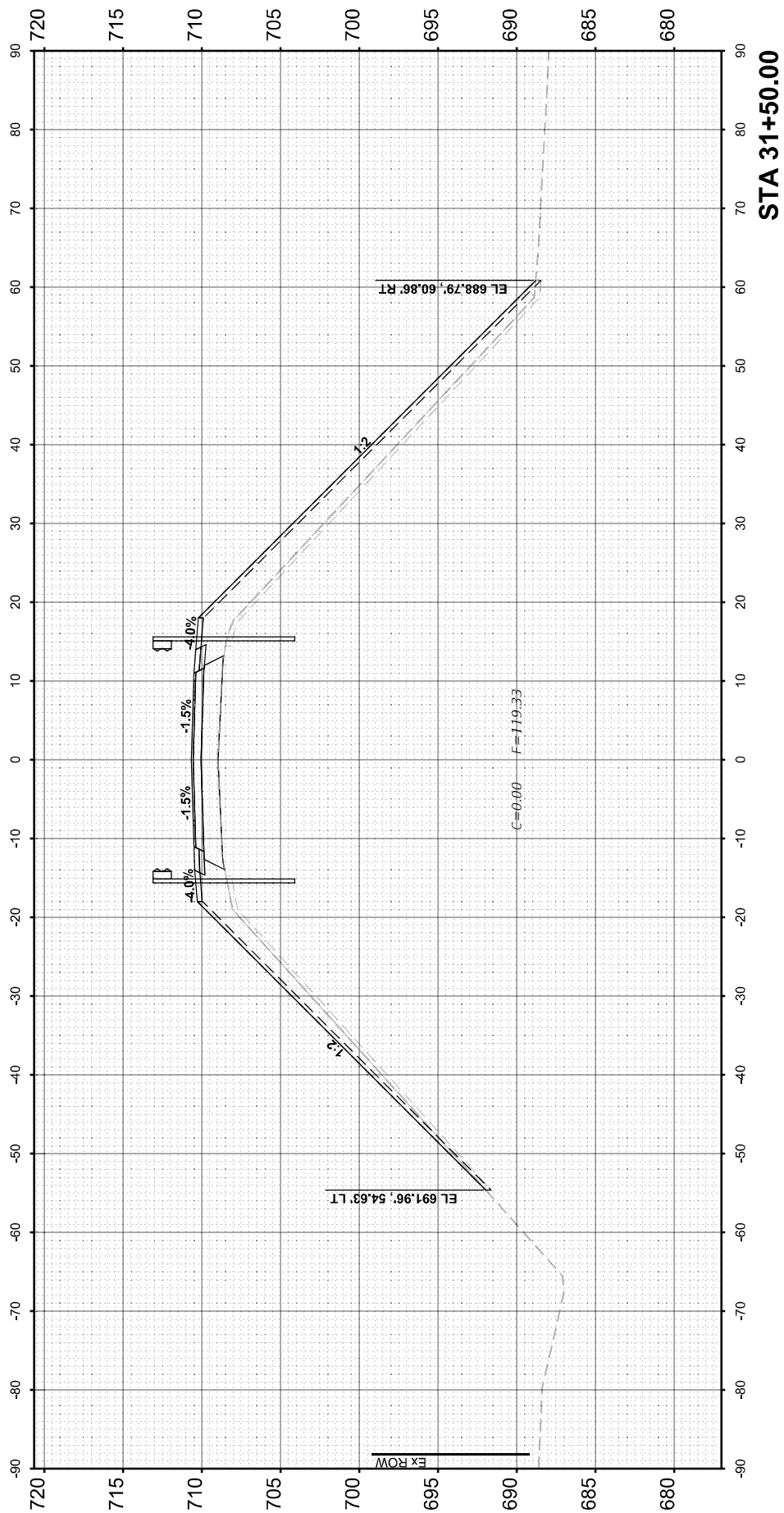
SCALE: 1" = 10' SHEET 4 OF 8 SHEETS STA. 29+00.00 TO STA. 30+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	61
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		



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

MODEL: XSection_Final - 05
FILE NAME: T:\TRG\Business\Clients\IDOT\Projects\20-040 PTB 195-041 I-57 Bridge\400 CADD\CAD Sheets\ID570908-sht-XSections.dgn



USER NAME = MatthewToussaint	DESIGNED - MRT
	DRAWN - MRT
PLOT SCALE = 0.16666633 ' / in.	CHECKED - CJD
PLOT DATE = 3/22/2023	DATE - 03/20/2023

DESIGNED	-	MRT
DRAWN	-	MRT
CHECKED	-	CJD
DATE	-	03/20/2023

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 10'	SHEET 5	OF 8	SHEETS	STA. 30+50.00 TO STA. 31+50.00
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CROSS SECTIONS

CH-17

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	62
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

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

MODEL: XSection_Final - 06
NO. AREAS CHECKED
FILE NAME: T:\TRIG\Business\Clients\DOTV\Projects\20-040 PTB 195-041 I-57 Bridge\400 CADD\CAD_Sheets\I570908-sh-XSections.dgn



USER NAME = MatthewToussaint	DESIGNED - MRT
	DRAWN - MRT
PLOT SCALE = 0.16666633 ' / in.	CHECKED - CJD
PLOT DATE = 3/22/2023	DATE - 03/20/2023

DESIGNED	-	MRT
DRAWN	-	MRT
CHECKED	-	CJD
DATE	-	03/20/2023

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS CH-17				
SCALE: 1" = 10'	SHEET 6	OF 8	SHEETS	STA. 32+00.00 TO STA. 33+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	63
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5	ILLINOIS	FED. AID PROJECT		

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

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

MODEL XSection_Final - 07
FILE NAME: T:\WorkBusiness\Clients\DOT\Projects\34-040 P1B 195-041 1-27 Bridge400 CADD\CAD_Sheets\0370908-ht-Xsections.dgn



USER NAME	= MatthewToussaint	DESIGNED	- MRT	REVISED	-
		DRAWN	- MRT	REVISED	-
PLOT SCALE	= 0.16666633 ' / in.	CHECKED	- CJD	REVISED	-
PLOT DATE	= 3/22/2023	DATE	- 03/20/2023	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
CH-17

SCALE: 1" = 10' SHEET 7 OF 8 SHEETS STA. 33+50.00 TO STA. 34+00.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	(10-31HB)BR	CHAMPAIGN	65	64
SN 010-0295		CONTRACT NO. 70908		
FED. ROAD DIST. NO. 5		ILLINOIS	FED. AID PROJECT	

