

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	1
		ILLINOIS	CONTRACT NO. 72159	

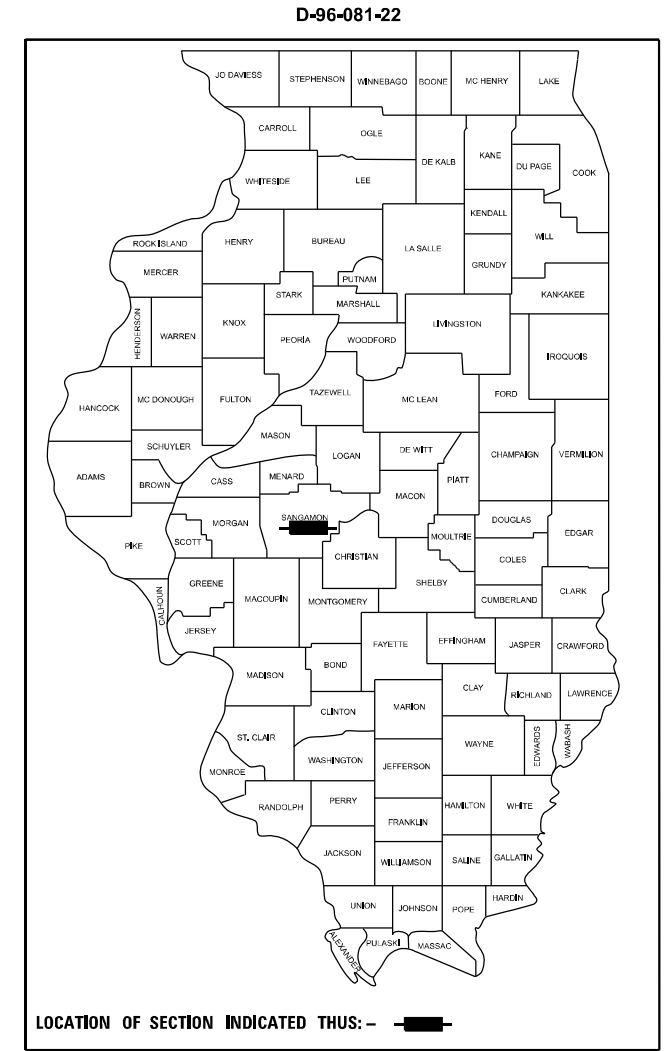
FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAU ROUTE 7998 (E LAKE SHORE DR)
SECTION (110X-2VB-1,B)BDR
PROJECT HBFP-U7ZU(528)
BRIDGE DECK OVERLAY
SANGAMON COUNTY

INDEX OF SHEETS

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- 15 - 18 STRUCTURE PLANS (084-0209)
- 19 - 21 STRUCTURE PLANS (084-0208)
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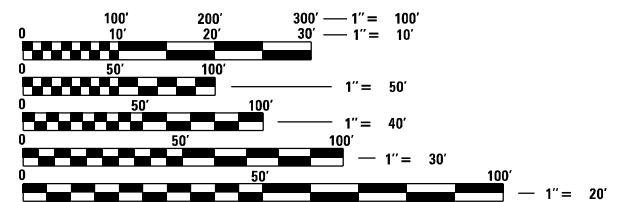
STA. 167 + 87.14
EXISTING SN 084-0209
3 SPAN PPC I-BEAM
ON INTEGRAL ABUTMENTS
OVER TWO MULTI-COLUMN PIERS
SN 084-0209

C-96-023-23

R5W, 3RD PM

BEGIN PROJECT
STA. 162 + 98.00

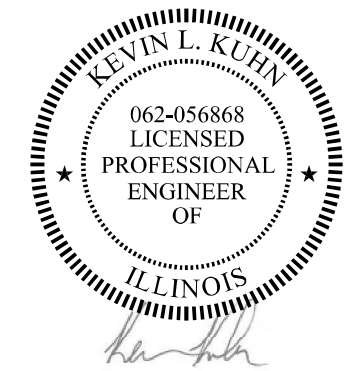
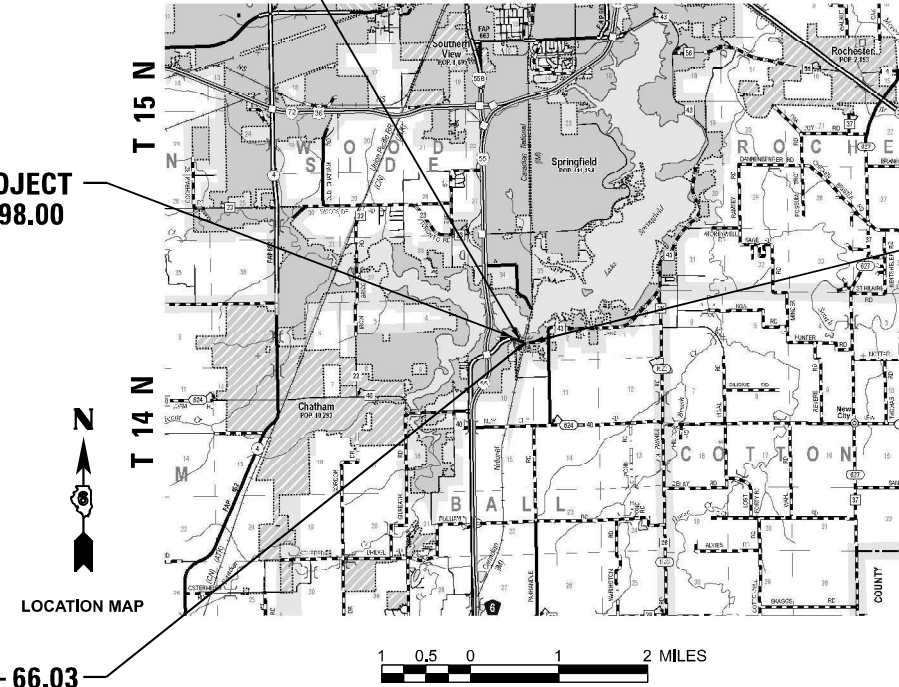
END PROJECT
STA. 175 + 65.00



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

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

STA. 171 + 66.03
EXISTING SN 084-0208
3 SPAN STEEL I-BEAM
ON INTEGRAL ABUTMENTS
AND TWO PIERS
SN 084-0208



DATE: DECEMBER 15 20 23
EXPIRES: NOVEMBER 30 20 25

PROJECT ENGINEER: JONATHAN KELLEY 217-785-2739
PROJECT MANAGER: ED KERN 217-524-7547

GROSS LENGTH = 1,267.00 FT. = 0.240 MILE
NET LENGTH = 1,267.00 FT. = 0.240 MILE



CONTRACT NO. 72159

FUNCTIONAL CLASSIFICATION
MINOR ARTERIAL
ADT (2022) = 2500
S.U. = 2.80% M.U. = 2.40%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 18 20 23

Jonathan P. Meyer
REGIONAL ENGINEER

February 2, 2024
Scott A. Etkin
ENGINEER OF DESIGN AND ENVIRONMENT

February 2, 2024
Stephen M. Smith
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

GENERAL NOTES

- ALL SAW CUTS NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

BITUMINOUS MATERIALS (TACK COAT)	0.05 LBS/SQ FT (ON PAVEMENT)
BITUMINOUS MATERIALS (PRIME COAT)	0.25 LBS/SQ FT (ON AGGREGATE)
BITUMINOUS MATERIALS (TACK COAT)	0.025 LBS/SQ FT (FOG)
HOT-MIX ASPHALT MATERIAL	0.056 TON/SQ YD PER 1"
AGGREGATE MATERIAL	1.60 TONS/CU YD
- AREAS OF DECK REPAIRS SHOWN ARE ESTIMATED. THE ENGINEER SHALL SHOW ACTUAL LOCATIONS OF DECK REPAIRS ON AS-BUILT PLANS.
- THE CONTRACTOR SHALL SUBMIT A SEQUENCE OF CONSTRUCTION FOR APPROVAL TO THE RESIDENT ENGINEER BEFORE THIS PROJECT IS STARTED.
- IDOT DISTRICT 6 OPERATIONS TRAFFIC SIGNAL SECTION SHALL BE CONTACTED AT (217) 558-6718 FOR CONTROLLER PROGRAMMING AND TIMING APPROVAL PRIOR TO ACTIVATING THE TEMPORARY BRIDGE TRAFFIC SIGNALS.
- SYNTHETIC FIBERS ARE NOT REQUIRED FOR THE BRIDGE DECK MICROSILICA CONCRETE OVERLAY.
- ALL TEMPORARY PAVEMENT MARKING TAPE THAT IS TO REMAIN IN PLACE LONGER THAN 14 DAYS SHALL BE TYPE III OR TYPE IV TAPE. TYPE I TEMPORARY PAVEMENT MARKING TAPE MAY BE USED FOR APPLICATIONS OF 14 DAYS OR LESS.
- ALL GUARDRAIL SHALL HAVE A PRELIMINARY LAYOUT. GUARDRAIL POSTS SHALL BE ADJUSTED TO MISS ANY SHOULDER DRAINS, INLETS, PIPE CULVERTS, STORM SEWER OR ANY OTHER HAZARD THAT MAY INTERFERE WITH GUARDRAIL CONSTRUCTION.

COMMITMENTS

THERE ARE NO COMMITMENTS.

THE FOLLOWING MIXTURE REQUIREMENTS FOR THIS PROJECT:

MIXTURE USE(S)	HMA BINDER CSE	HMA SURFACE CSE
AC/PG	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5FG	IL 9.5
FRICTION AGGREGATE	N/A	MIX "C"
QUALITY MANAGEMENT	QC/QA	QC/QA
SUBPLOT SIZE	N/A	N/A

LIST OF HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-10	PAVEMENT JOINTS
001001-02	AREAS OF REINFORCEMENT BARS
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
610001-09	SHOULDER INLET WITH CURB
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15'(4.5M) AWAY
701006-05	OFF ROAD OPERATIONS, 2L, 2W, 15'(4.5M) TO 24'(600MM) FROM PAVEMENT
701201-05	EDGE LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >45 MPH
701321-18	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701901-09	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICT 6**

EXAMINED November, 22 20 23



ENGINEER OF OPERATIONS

EXAMINED December, 6 20 23



ENGINEER OF PROJECT IMPLEMENTATION

EXAMINED December, 7 20 23



ENGINEER OF PROGRAM DEVELOPMENT

REV. - MS

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, COMMITMENTS, AND
LIST OF STANDARDS**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1.B)BDR	SANGAMON	22	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72159	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				6-01546-0000	6-01546-0000
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE	BRIDGE
				0047	0047
				084-0208	084-0209
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	586	288	298
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	470	229	241
40600990	TEMPORARY RAMP	SQ YD	120	63	57
40602965	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N50	TON	92	46	46
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	113	57	56
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	494	247	247
50157300	PROTECTIVE SHIELD	SQ YD	206	206	0
50300260	BRIDGE DECK GROOVING	SQ YD	1515	502	1013
50300300	PROTECTIVE COAT	SQ YD	1608	535	1073
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	494	247	247
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	894	359	535
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	8	4	4
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	2	2
63200310	GUARDRAIL REMOVAL	FOOT	1394	610	784
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	6	6

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				6-01546-0000	6-01546-0000
				80% FED, 20% STATE	80% FED, 20% STATE
				BRIDGE	BRIDGE
				0047	0047
				084-0208	084-0209
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	0.5	0.5
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0.5	0.5
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	0.5	0.5
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	3	3
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	154	77	77
70300100	SHORT TERM PAVEMENT MARKING	FOOT	148	74	74
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	50	25	25
70400100	TEMPORARY CONCRETE BARRIER	FOOT	788	394	394
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	788	394	394
70600235	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	2	1	1
70600320	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2	EACH	2	1	1
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	2	2
* 78009005	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"	FOOT	4536	2268	2268

* SPECIALTY ITEM

REV. - MS

 KUHN & TRELLO CONSULTING ENGINEERS A Limited Liability Company 109 N. 7th Street, 3rd Floor Springfield, IL 62702 Phone: 217-439-0044	USER NAME = msutheard	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.U. RTE. 7998	SECTION (110X-2VB-1,B)BDR	COUNTY SANGAMON	TOTAL SHEETS 22	SHEET NO. 3
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	PLOT DATE = 12/19/2023	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

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 Professional Design Firm No. 184-006516

CONSTRUCTION CODE	
6-01546-0000 80% FED, 20% STATE	6-01546-0000 80% FED, 20% STATE
BRIDGE	BRIDGE
0047	0047
084-0208	084-0209

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	084-0208	084-0209
7820005	GUARDRAIL REFLECTORS, TYPE A	EACH	38	17	21
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1035	506	529
X5930100	CONTROLLED LOW-STRENGTH MATERIAL (SPECIAL)	CU YD	10	5	5
X6024503	INLETS TO BE ADJUSTED WITH NEW FRAME AND GRATE (SPECIAL)	EACH	2	1	1
X7200201	WIDTH RESTRICTION SIGNING	L SUM	1	0.5	0.5
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	79.8	22.6	57.2
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1608	535	1073
Z0012164	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/2"	SQ YD	1608	535	1073
Z0012500	CONCRETE CURB REPAIR	FOOT	40	20	20
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	0.3	0.3	0
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	29.4	8.4	21
Z0041895	POLYMER CONCRETE	CU FT	8.6	4.2	4.4
Ø Z0076600	TRAINEES	HOUR	500	500	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	0
Ø Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	
* Z0054500	ROCK FILL	TON	94	47	47

*SPECIALTY ITEM
 Ø 0042

REV. - MS

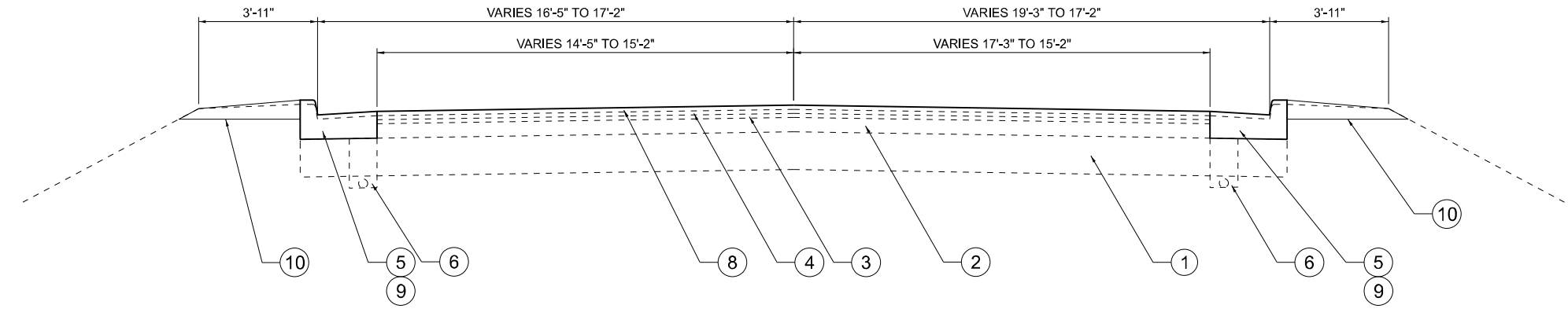


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

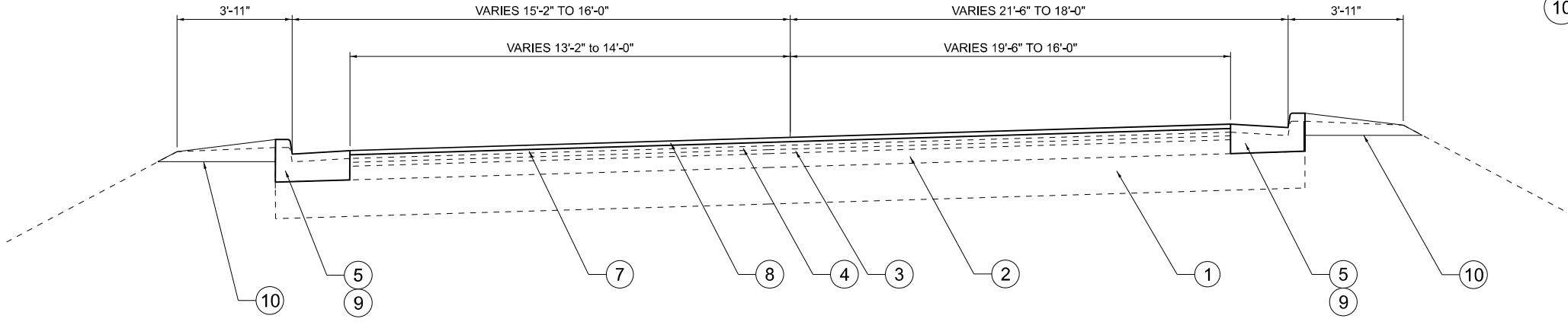
SUMMARY OF QUANTITIES			
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	4
				CONTRACT NO. 72159
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION

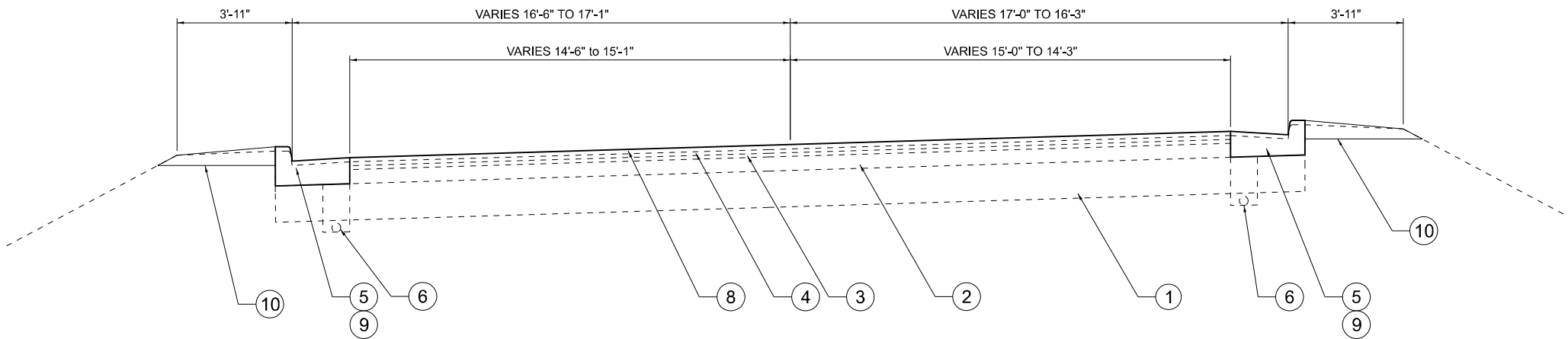
STA. 165+48 TO STA. 166+18



TYPICAL SECTION

STA. 169+56 TO STA. 170+62

BETWEEN STRUCTURES



TYPICAL SECTION

STA. 172+70 TO STA. 173+40

- ① EXISTING GRANULAR SUB-BASE
- ② EXISTING BITUMINOUS BASE
- ③ EXISTING LEVELING BINDER, 1.5"
- ④ EXISTING BITUMINOUS CONCRETE, 1.5"
- ⑤ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑥ EXISTING PIPE UNDERDRAINS
- ⑦ PROPOSED HMA BINDER COURSE IL9.5 FG N50 VARIABLE DEPTH
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50, 1.75"
- ⑨ PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑩ PROPOSED ROCK FILL

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	5
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE						
LOCATION	COMMENT	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	MODIFIED URETHANE PAVEMENT MARKING - LINE 5"		PAVEMENT MARKING REMOVAL WATER BLASTING
				WHITE	YELLOW	
				70300100	70300150	
STATION TO STATION		FOOT	SQ FT	FOOT	FOOT	SQ FT
165+48	166+18	MILLED BUTT JOINT	8	3		
163+14	176+32	FINAL SURFACE	132	44	2636	
172+71	173+41	MILLED BUTT JOINT	8	3		
163+14	166+00	CENTERLINE				238
164+50	174+00	LT EDGE LINE			950	396
164+50	166+18	RT EDGE LINE				70
172+71	174+00	RT EDGE LINE				54
164+50	174+00	RT EDGE LINE			950	
173+00	176+32	CENTERLINE				277
SUBTOTAL					1900	2636
TOTAL			148	50	4536	1035

GUARDRAIL SCHEDULE													
LOCATION	COMMENT	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT PGSTS	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	GUARDRAIL REMOVAL	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REFLECTORS, TYPE A						
								63000001	63100085	63100167	63200310	72501000	78200005
								FOOT	EACH	EACH	FOOT	EACH	EACH
STATION TO STATION													
162+98	166+48	LT	262.5	1	1	350.0	1						
163+85	166+48	RT	175	1	1	262.5	1						
169+23	170+93	LT	95	2		170.0	5						
169+23	170+93	RT	99	2		174.0	5						
172+40	175+65	LT	237.5	1	1	325.0	1						
172+40	173+52	RT	25	1	1	112.5	1						
TOTAL			894	8	4	1394.0	4						

PAVING SCHEDULE							
LOCATION	WIDTH	LENGTH	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	HOT-MIX ASPHALT BINDER COURSE, 1L 9.5FG, N50	HOT-MIX ASPHALT SURFACE COURSE, 1L 9.5, MIX "C", N50
STATION TO STATION			POUND	SQ YD	SQ YD	TON	TON
165+48	166+47	29.6 TO 32.4	99	162	241		25
165+48		29.6	5.83		19		
166+47		32.4	5.83		21		
169+26	170+92	32.4 TO 30.0	166	272		92	53
169+26		32.4	5.83		21		
170+92		30.0	5.83		20		
172+42	173+41	28.8 TO 30.1	99	152	229		25
172+42		28.8	5.83		19		
173+41		30.1	5.83		20		
TOTAL			586	470	120	92	113

CURB AND GUTTER SCHEDULE					
LOCATION	LENGTH	COMBINATION CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	CONCRETE CURB REPAIR	
					FT
STATION TO STATION			FOOT	FOOT	FOOT
165+48 RT	166+18 RT	70	70	70	
165+48 LT	166+18 LT	70	70	70	
169+55 RT	170+62 RT	107	107	107	
169+55 LT	170+62 LT	107	107	107	
172+70 RT	173+40 RT	70	70	70	
172+70 LT	173+40 LT	70	70	70	
166+18	172+70				40*
TOTAL			494	494	40*

* Estimated Quantity

BARRIER WALL SCHEDULE					
LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE), TEST LEVEL 2	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE), TEST LEVEL 2	
					70400100
STAGE		FOOT	FOOT	EACH	EACH
1		787.5		2	
2			787.5		2
TOTAL		788	788	2	2

JOINT SCHEDULE		
LOCATION	POLYMER CONCRETE	Z0041895
STATION	JOINT	
SN 084-0209		
166+47	APPROACH/BRIDGE DECK	2.2
169+26	APPROACH/BRIDGE DECK	2.2
SN 084-0208		
170+92	APPROACH/BRIDGE DECK	2.1
172+42	APPROACH/BRIDGE DECK	2.1
TOTAL		8.6

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STATE OF ILLINOIS
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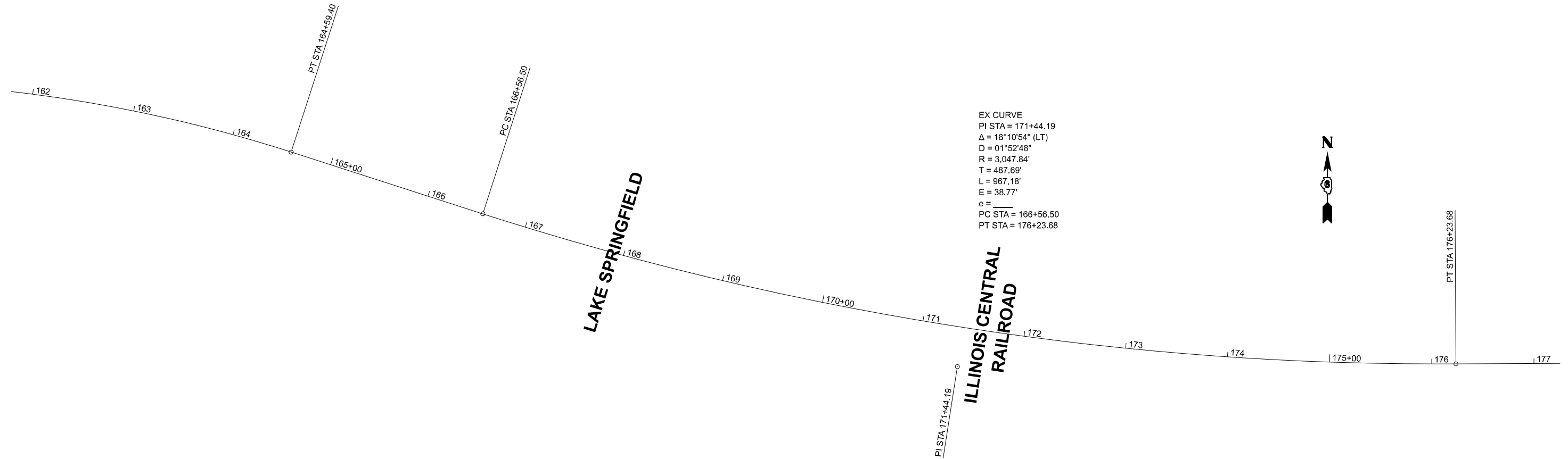
SCHEDULES OF QUANTITIES

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	6
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				

D672159 Benchmarks

Benchmark	Station	Offset	Alignment	NAVD88 Elevation	Description
BM-N	10+15.5	87.5RT	S001	586.623	FD: chsld "X" north top flange bolt of F.H. on North side of East Lake Shore Dr
BM-ELSD_1	0+06.5	20.2LT	S002	592.020	Set cut "I" in top S.W. parapet wall of SN:084-0209
BM TT-40	172+39.6	18.5RT	S003	600.251	FD: Disk set in S.E. Wing Wall of SN:084-0208



D672159 Traverse Stations NAD83/1997 adj State Plane IL West Zone

POINT	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	ALIGNMENT
2300	1101227.622	2446433.445	1+90.375	#5 REBAR W CAP	-20.605	S002
2301	1101092.615	2446925.888	170+33.55	#5 REBAR W CAP	21.481	S003

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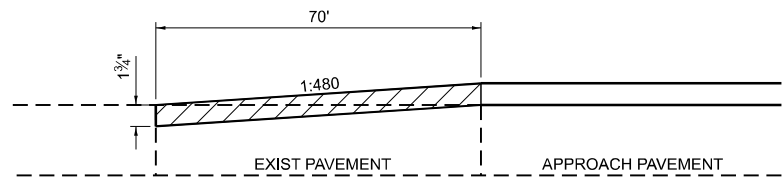
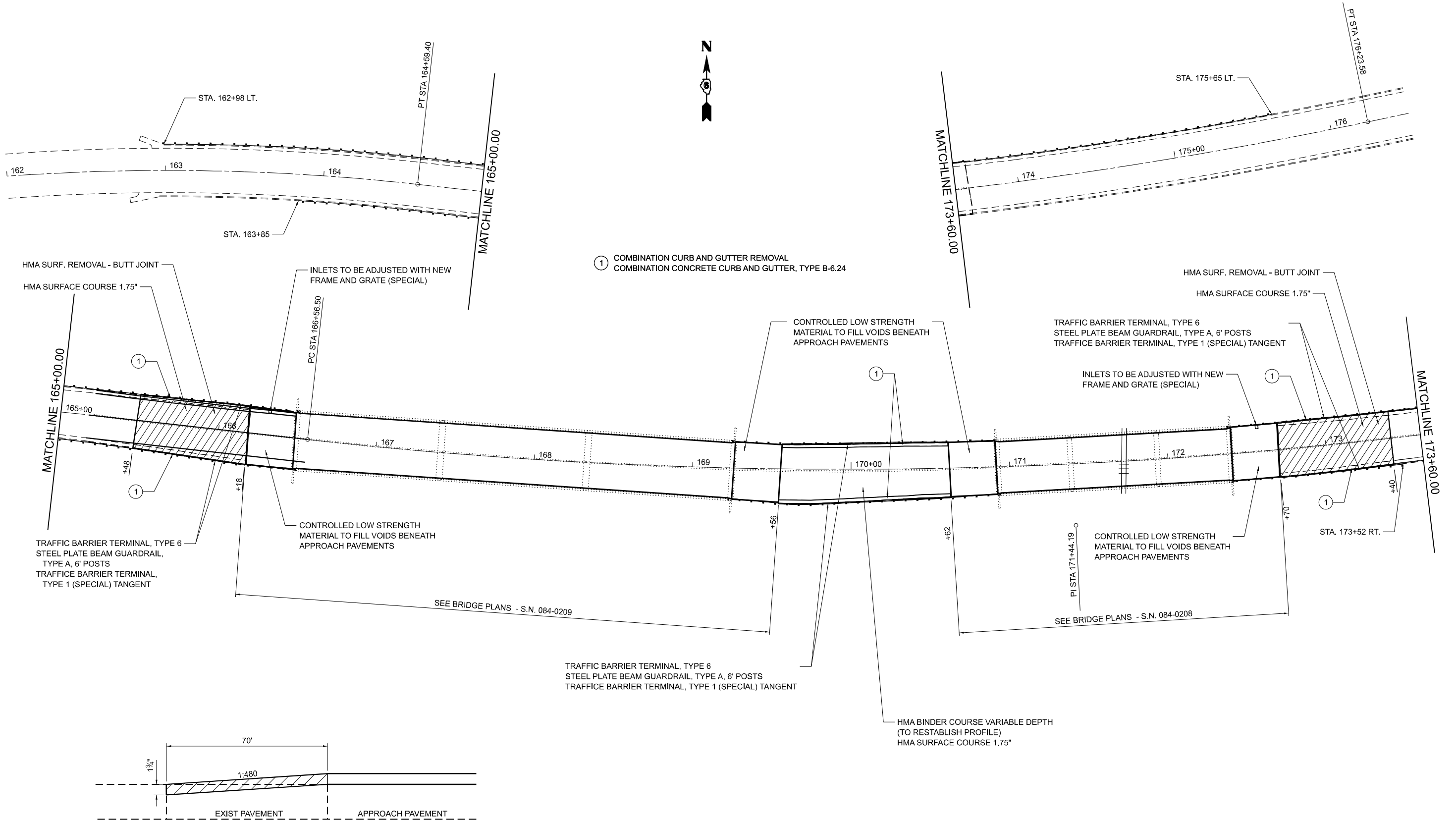
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HORIZONTAL & VERTICAL ALIGNMENTS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	7
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				

MODEL: Sheet
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HOT-MIX ASPHALT SURFACE REMOVAL BUTT-JOINT DETAIL

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 CONSULTING ENGINEERS
 A Limited Liability Company
 109 N. 7th Street, 3rd Floor
 Springfield, IL 62701
 Phone: 217-618-0044
 Professional Design Firm No. 184-006516

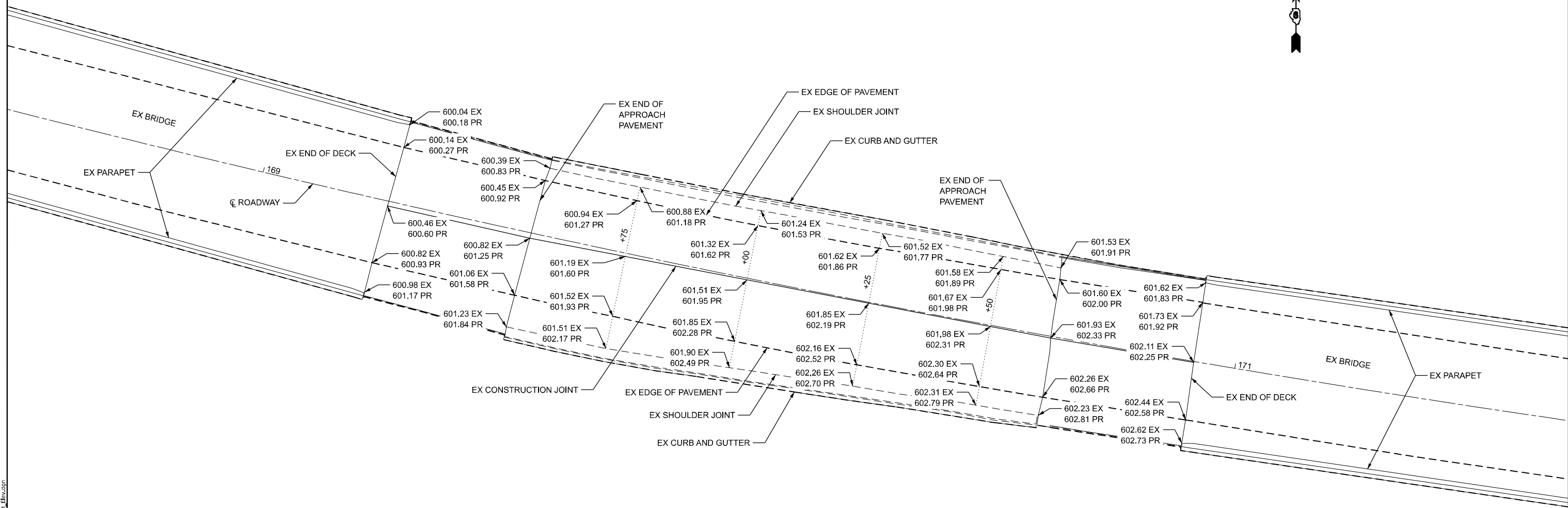
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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	8
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				



LEGEND

- EX EXISTING
- PR PROPOSED
- 600.00 EX
601.00 PR PAVEMENT ELEVATION

MODEL: Sheet
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 Professional Design Firm No. 184-006516



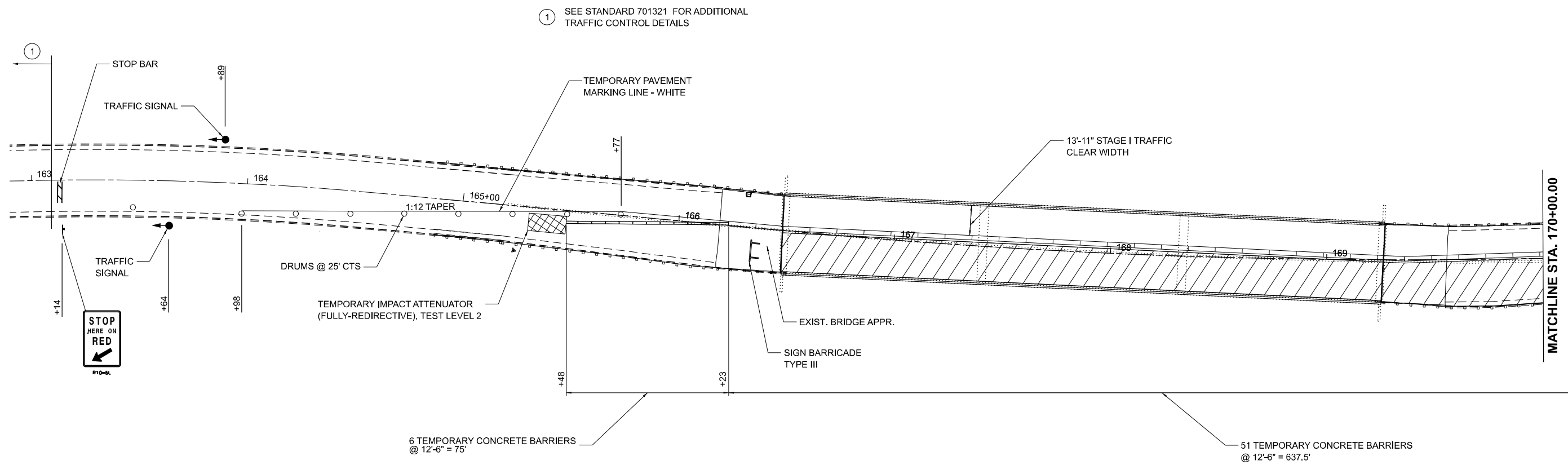
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

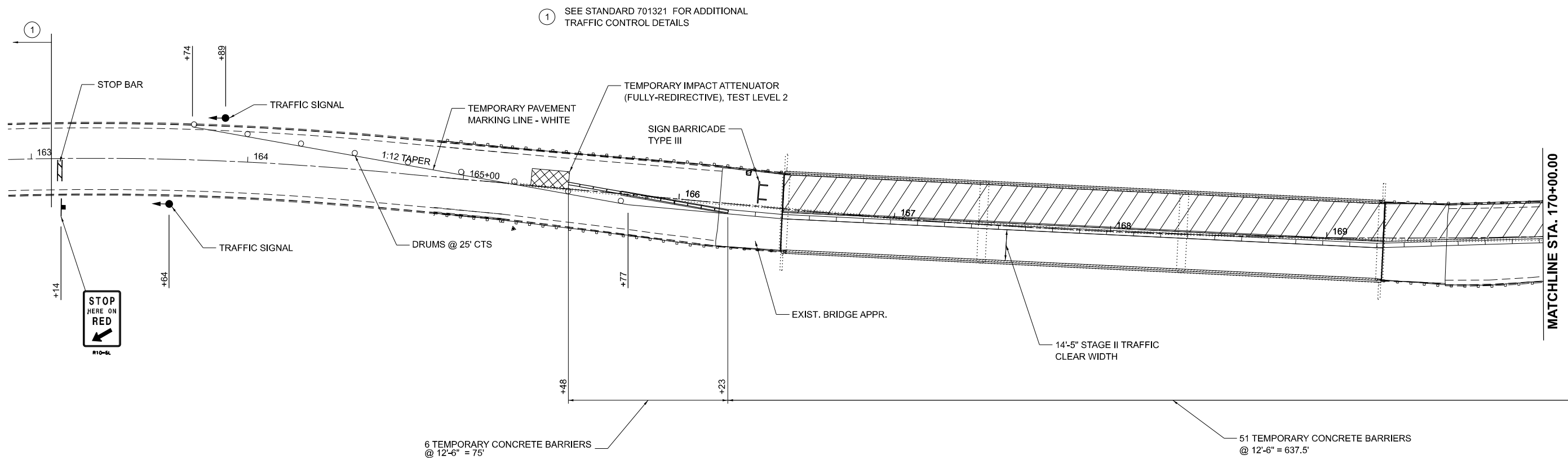
ROADWAY PROFILE DETAIL - PAVEMENT ELEVATIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	9
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				



STAGE I TRAFFIC



STAGE II TRAFFIC

① SEE STANDARD 701321 FOR ADDITIONAL TRAFFIC CONTROL DETAILS

① SEE STANDARD 701321 FOR ADDITIONAL TRAFFIC CONTROL DETAILS

MODEL: Sheet1
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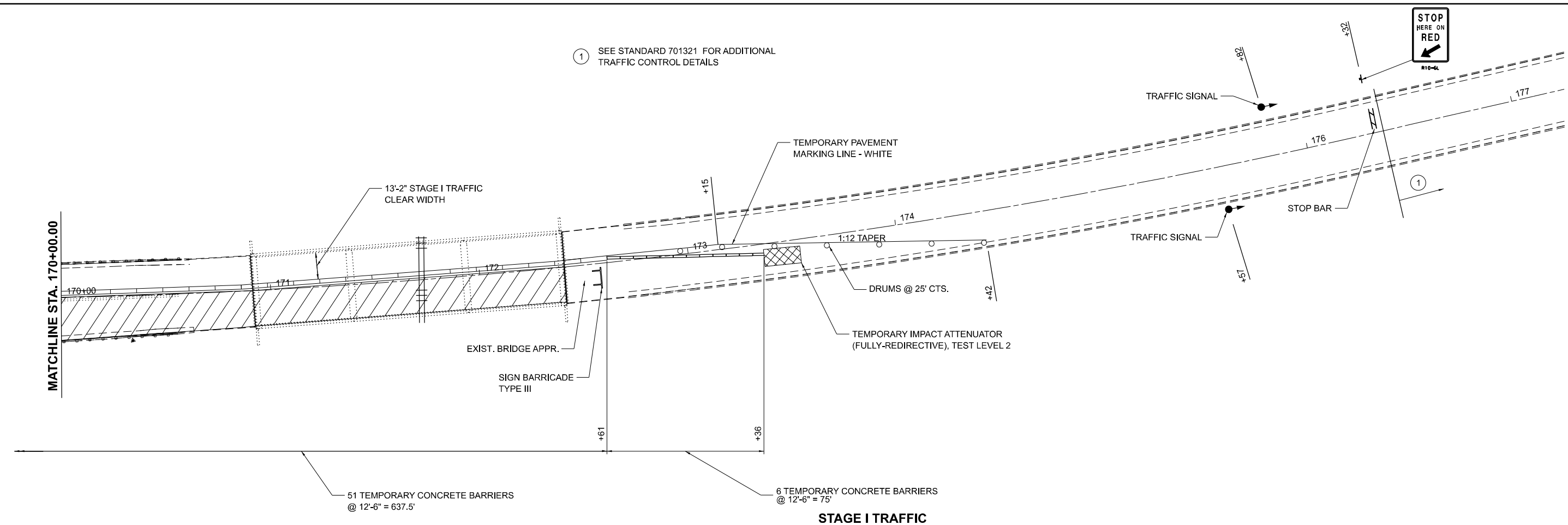
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				

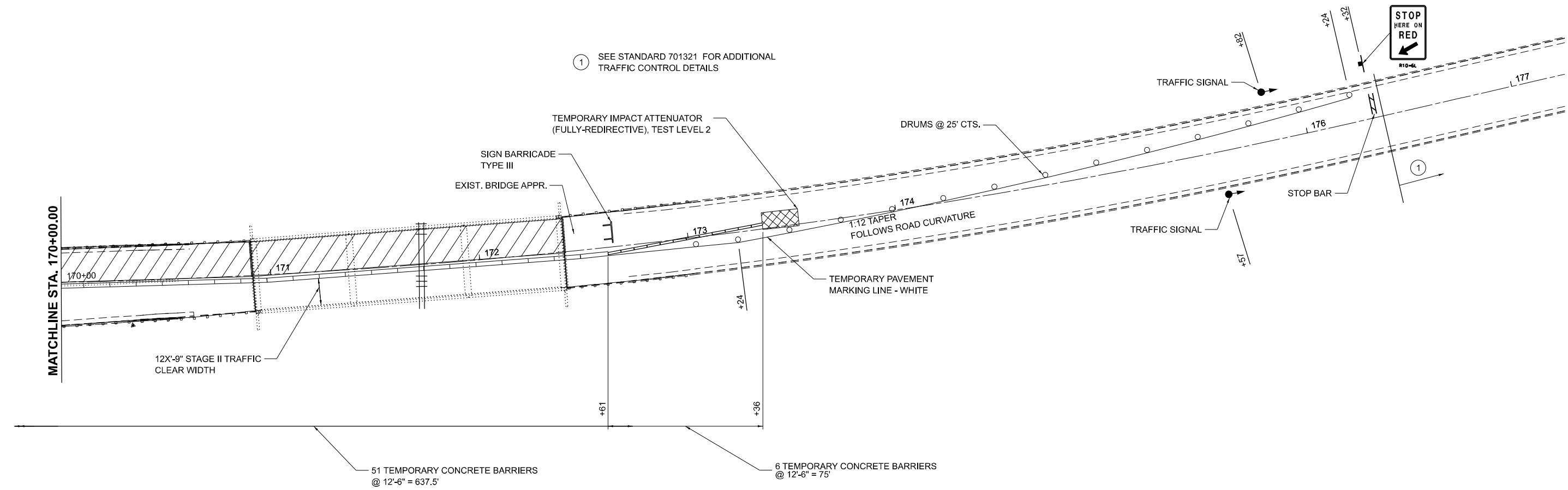


① SEE STANDARD 701321 FOR ADDITIONAL TRAFFIC CONTROL DETAILS



STAGE I TRAFFIC

① SEE STANDARD 701321 FOR ADDITIONAL TRAFFIC CONTROL DETAILS



STAGE II TRAFFIC

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 Professional Design Firm No. 184-006516

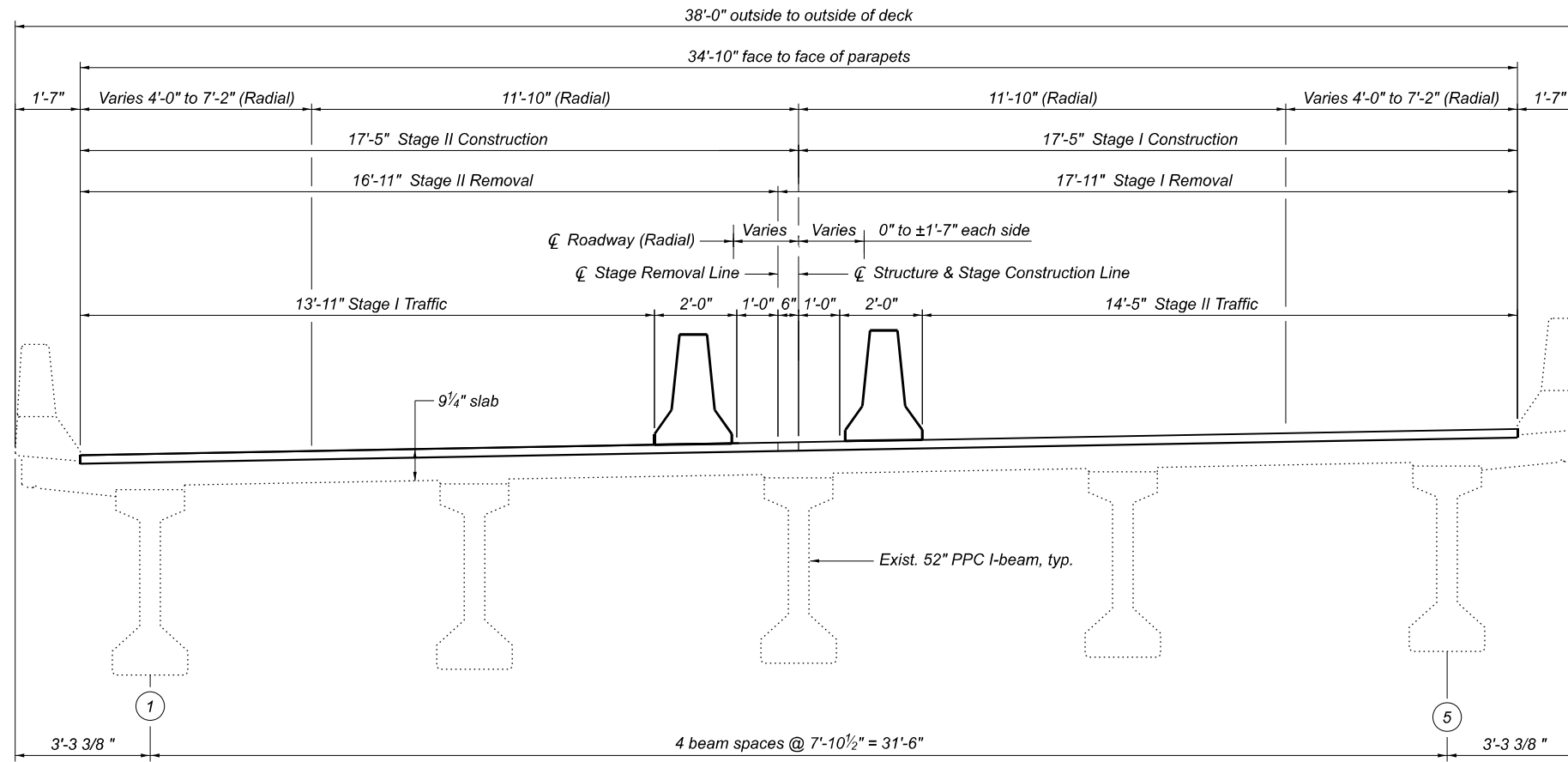


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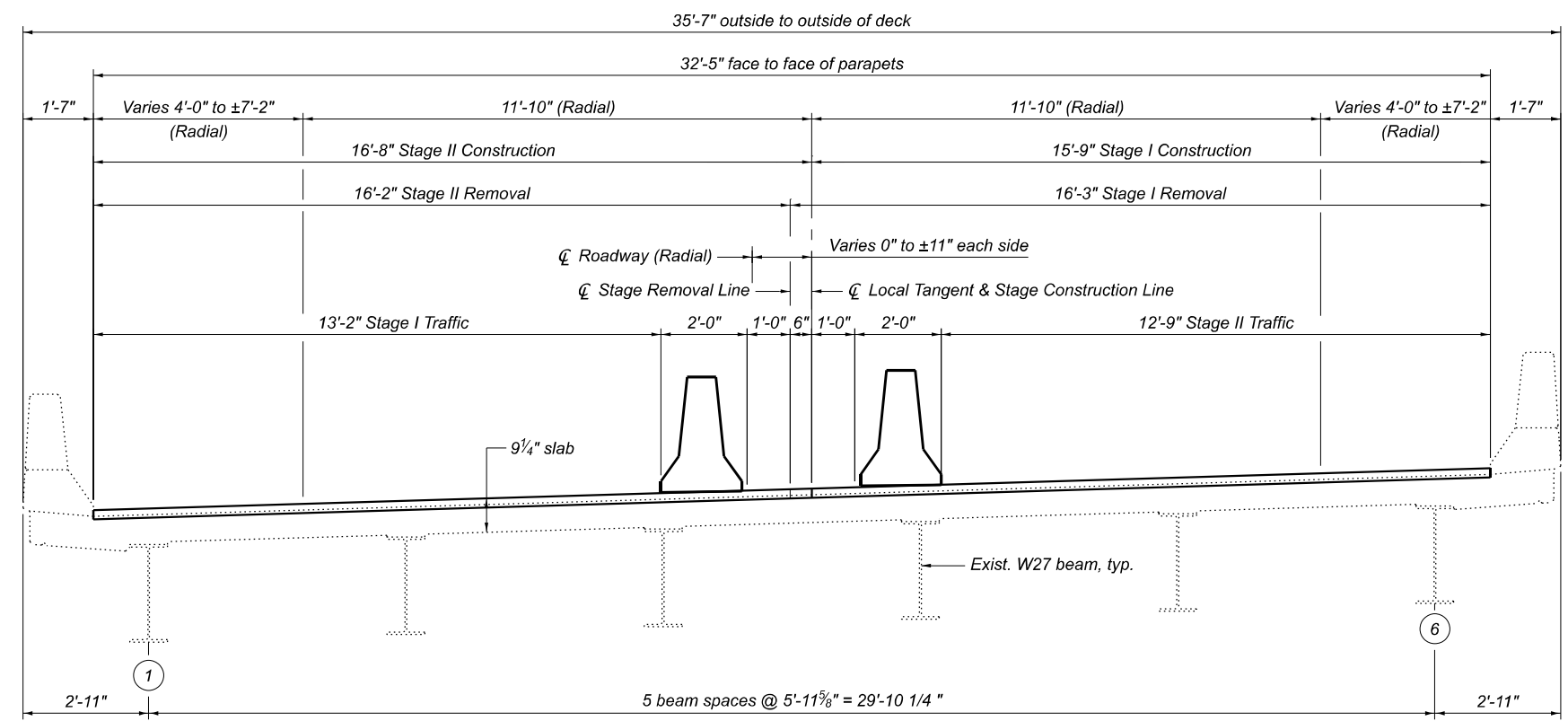
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGING PLAN			
SCALE:	SHEET 2	OF 3 SHEETS	STA. TO STA.

F.A.U. RTE. 7998	SECTION (110X-2VB-1,B)BDR	COUNTY SANGAMON	TOTAL SHEETS 22	SHEET NO. 11
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				



STAGING CROSS SECTION - S.N. 084-0209
(Looking East)



STAGING CROSS SECTION - S.N. 084-0208
(Looking East)

MODEL: Sheet
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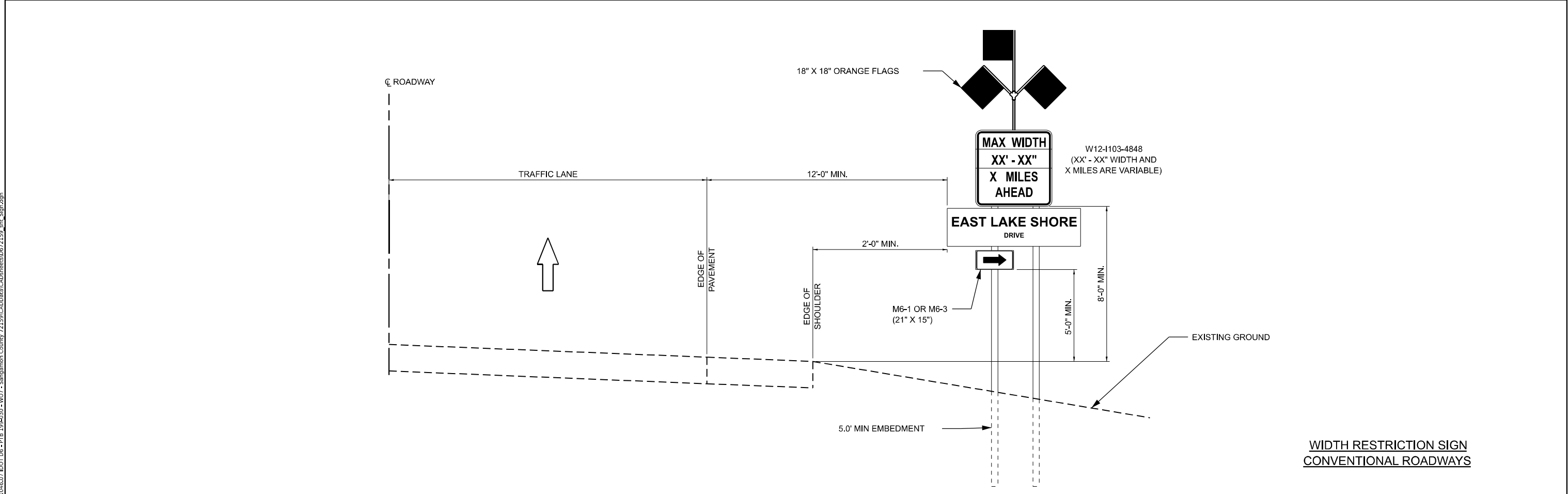
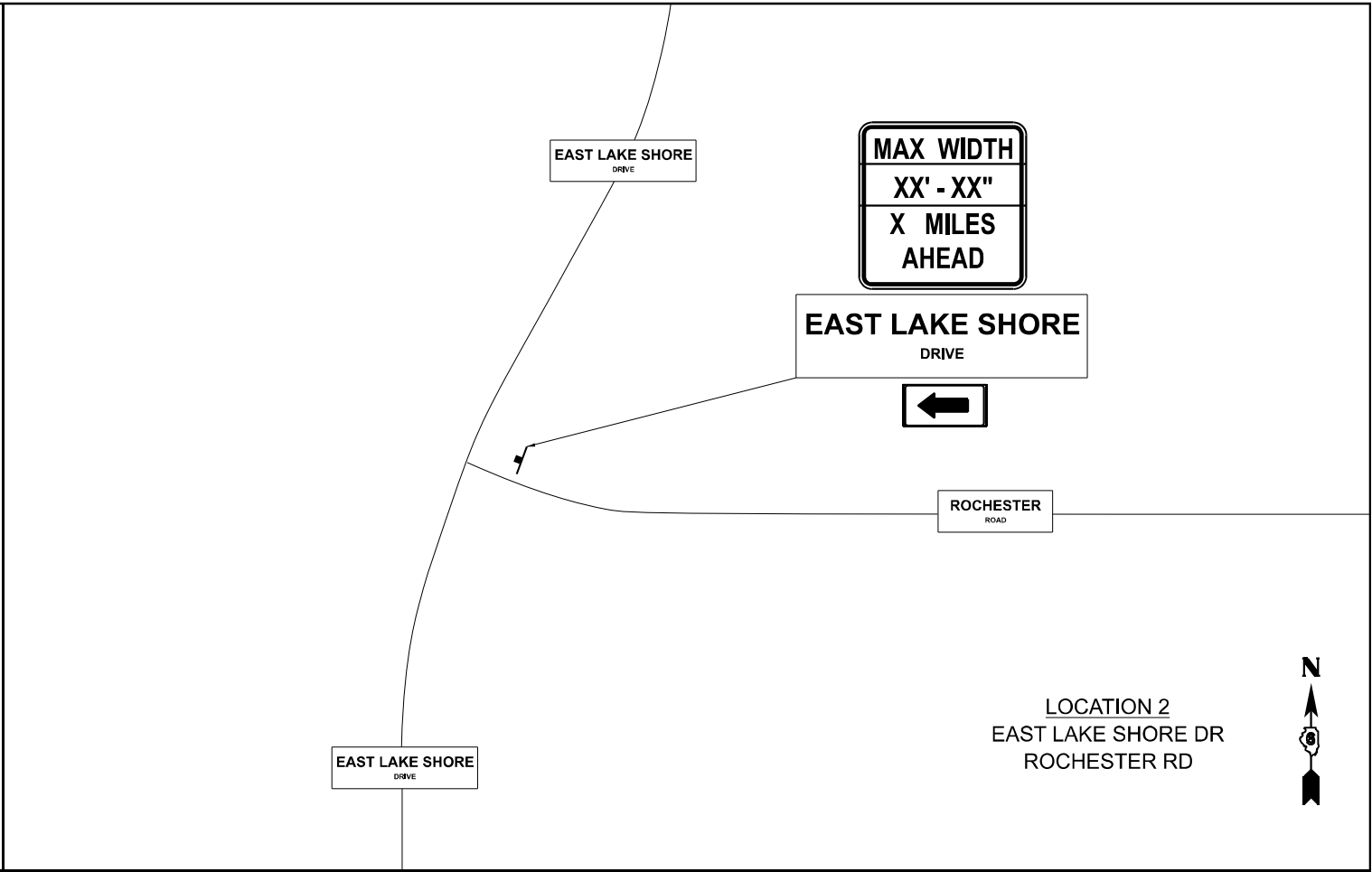
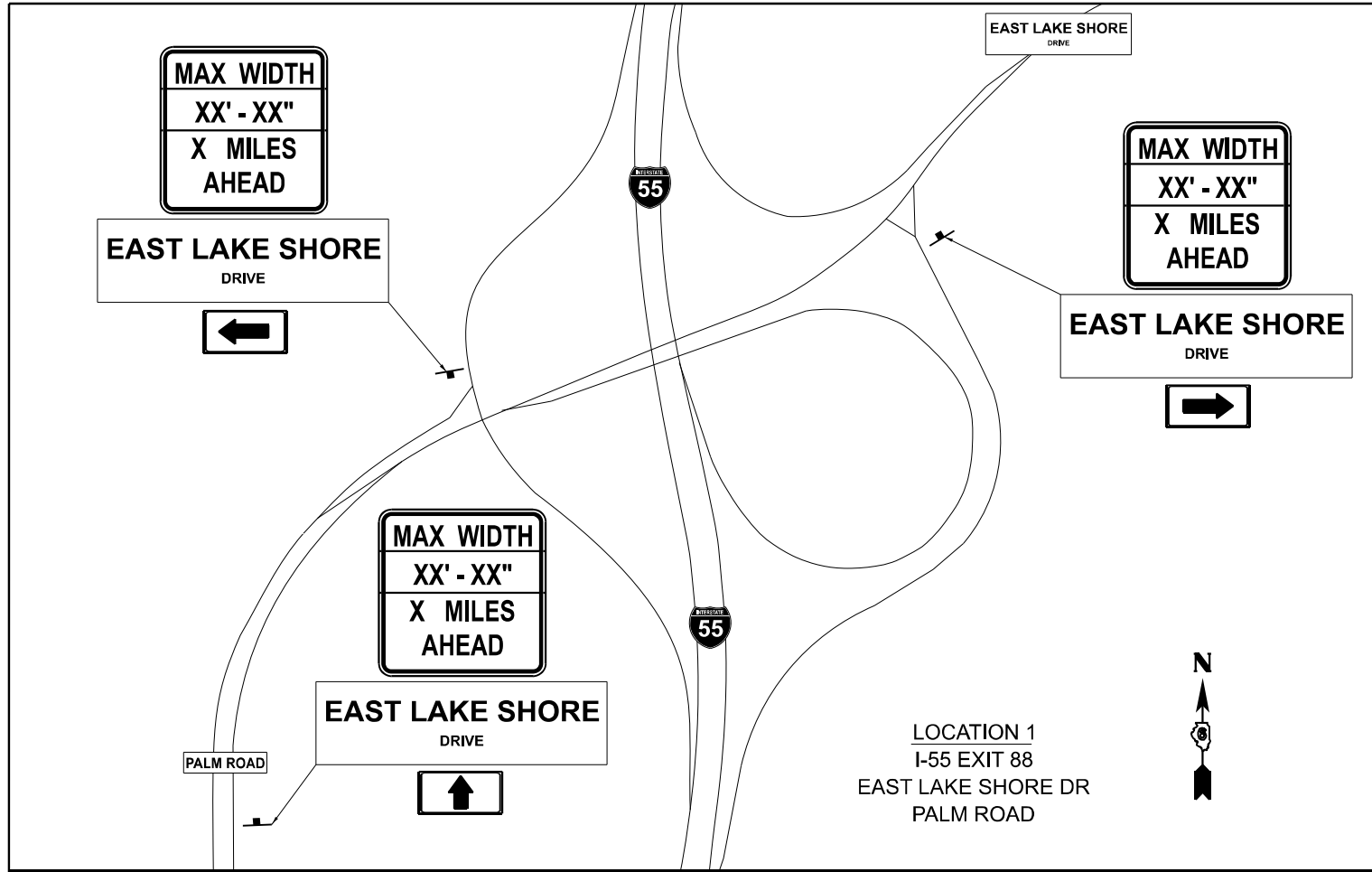
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING CROSS SECTION
STRUCTURE NOS. 084-0209 & 084-0208

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	12
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				



**WIDTH RESTRICTION SIGN
CONVENTIONAL ROADWAYS**

MODEL: Sheet1
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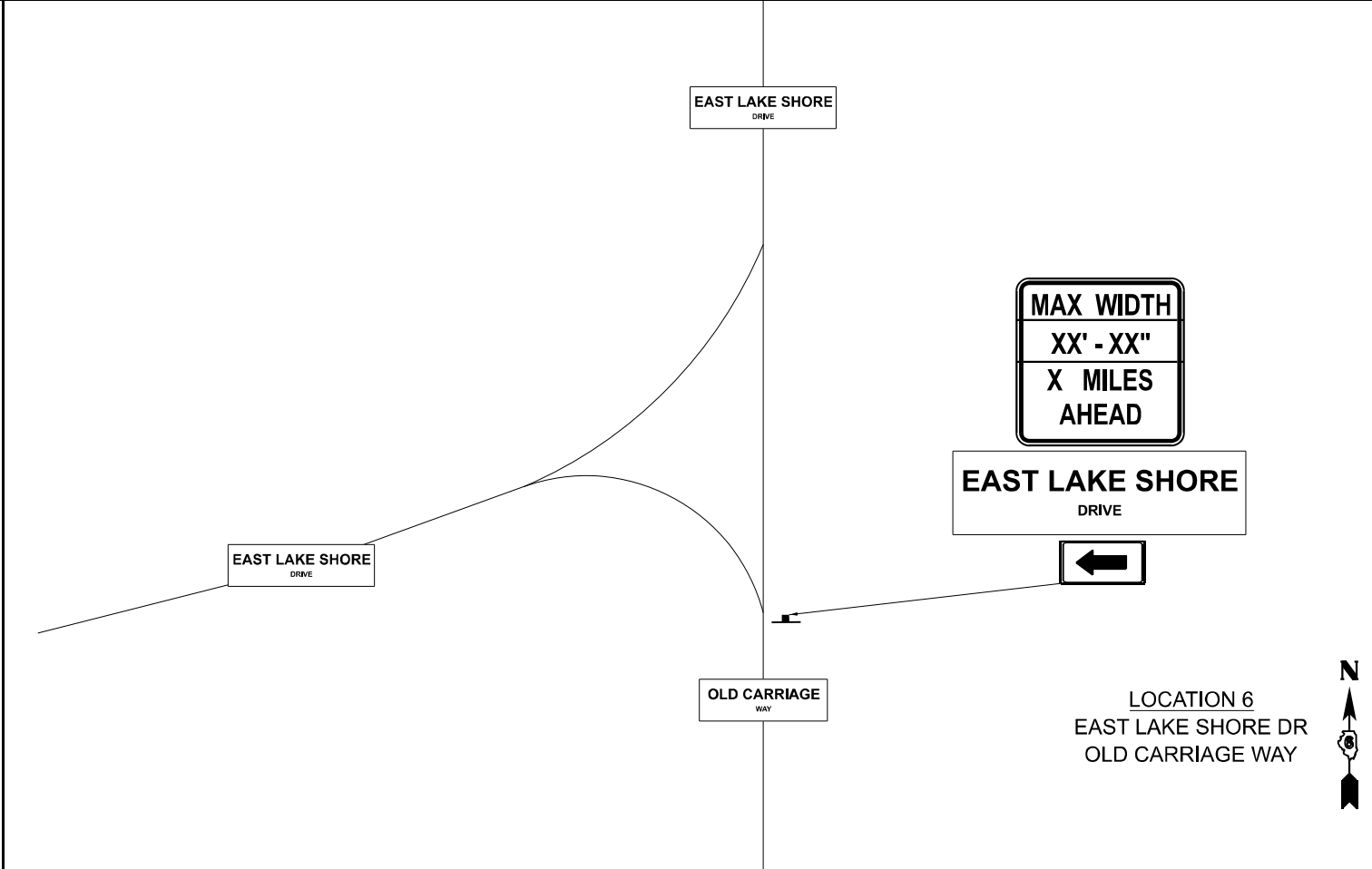
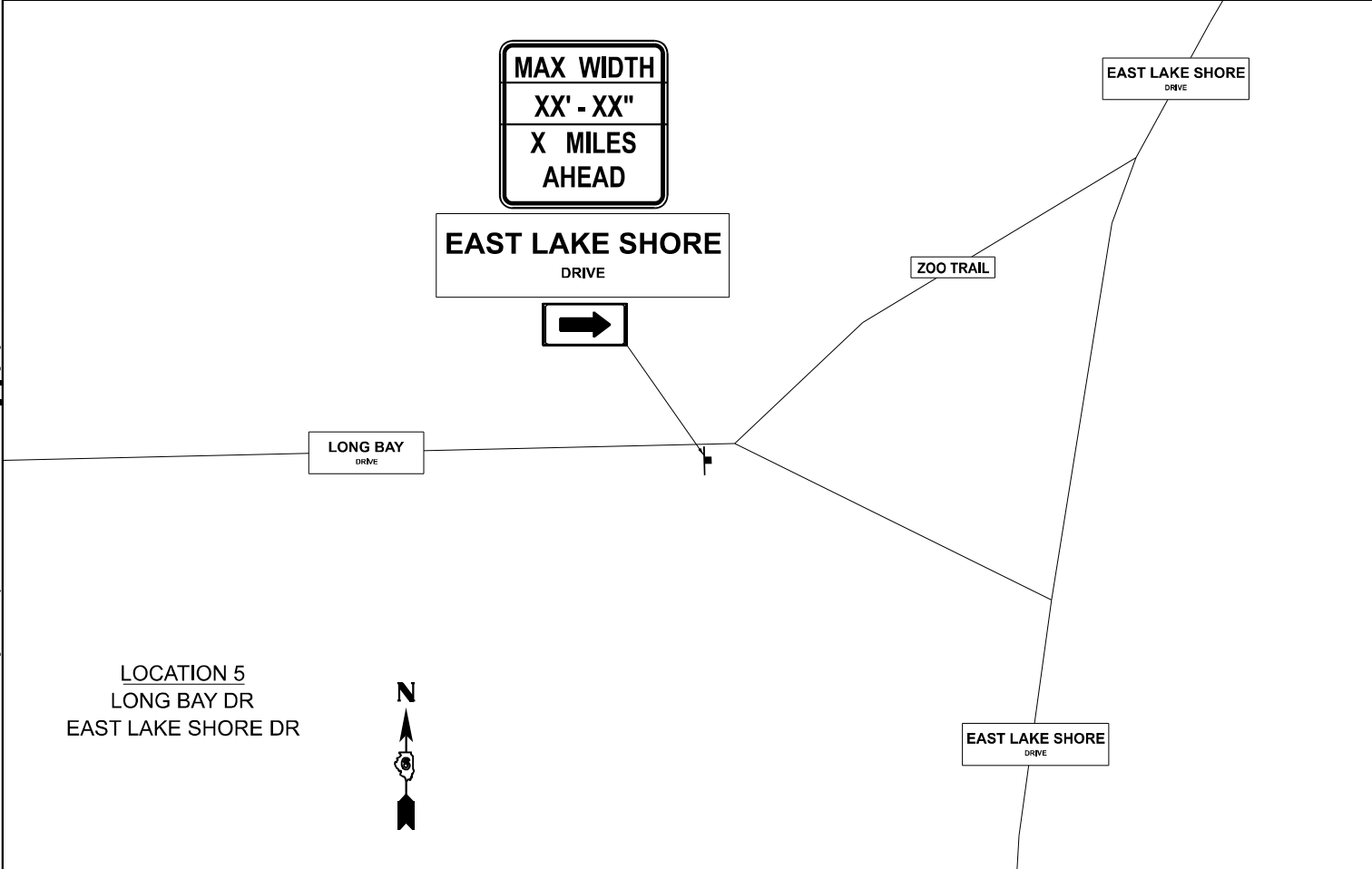
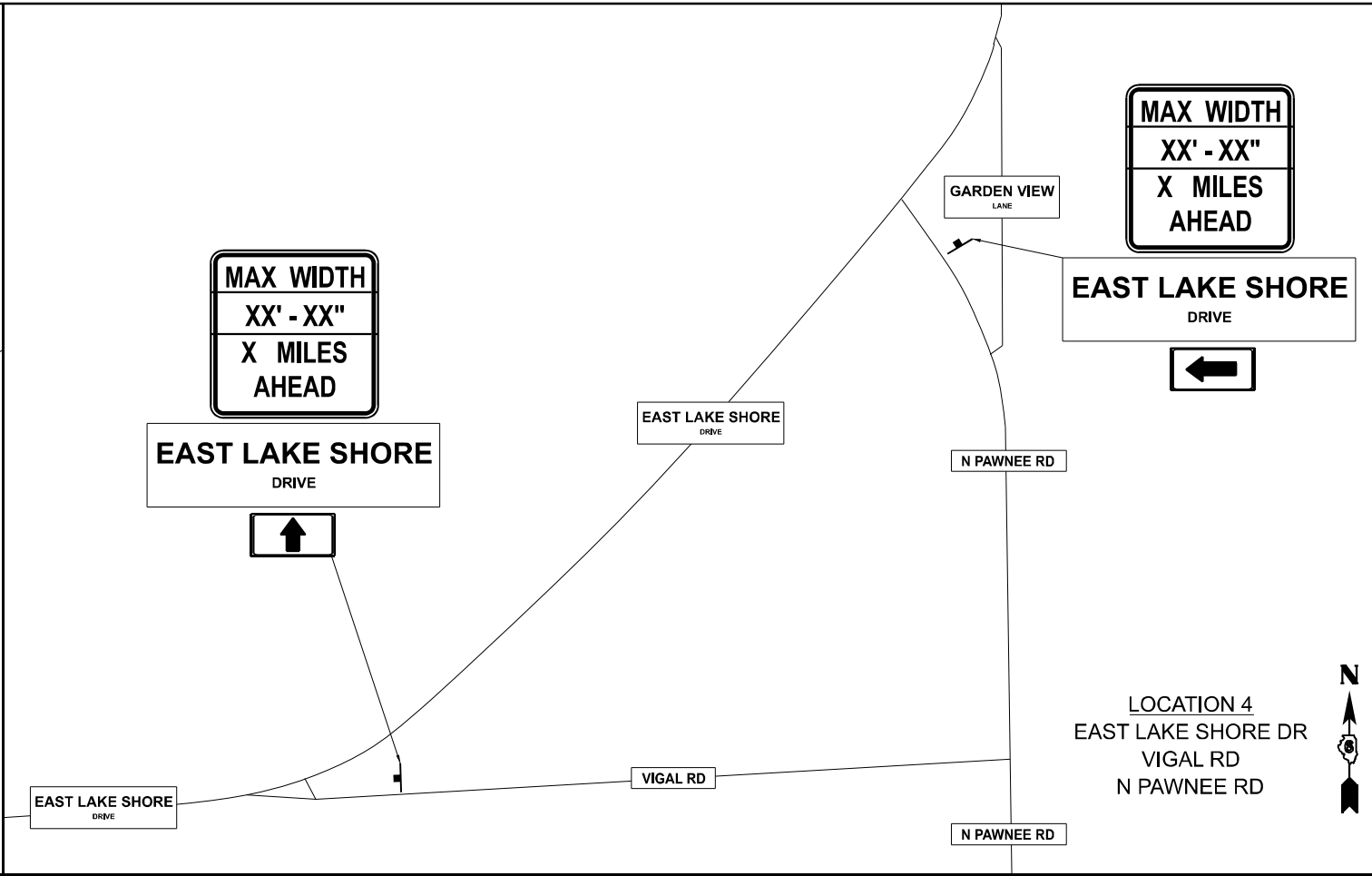
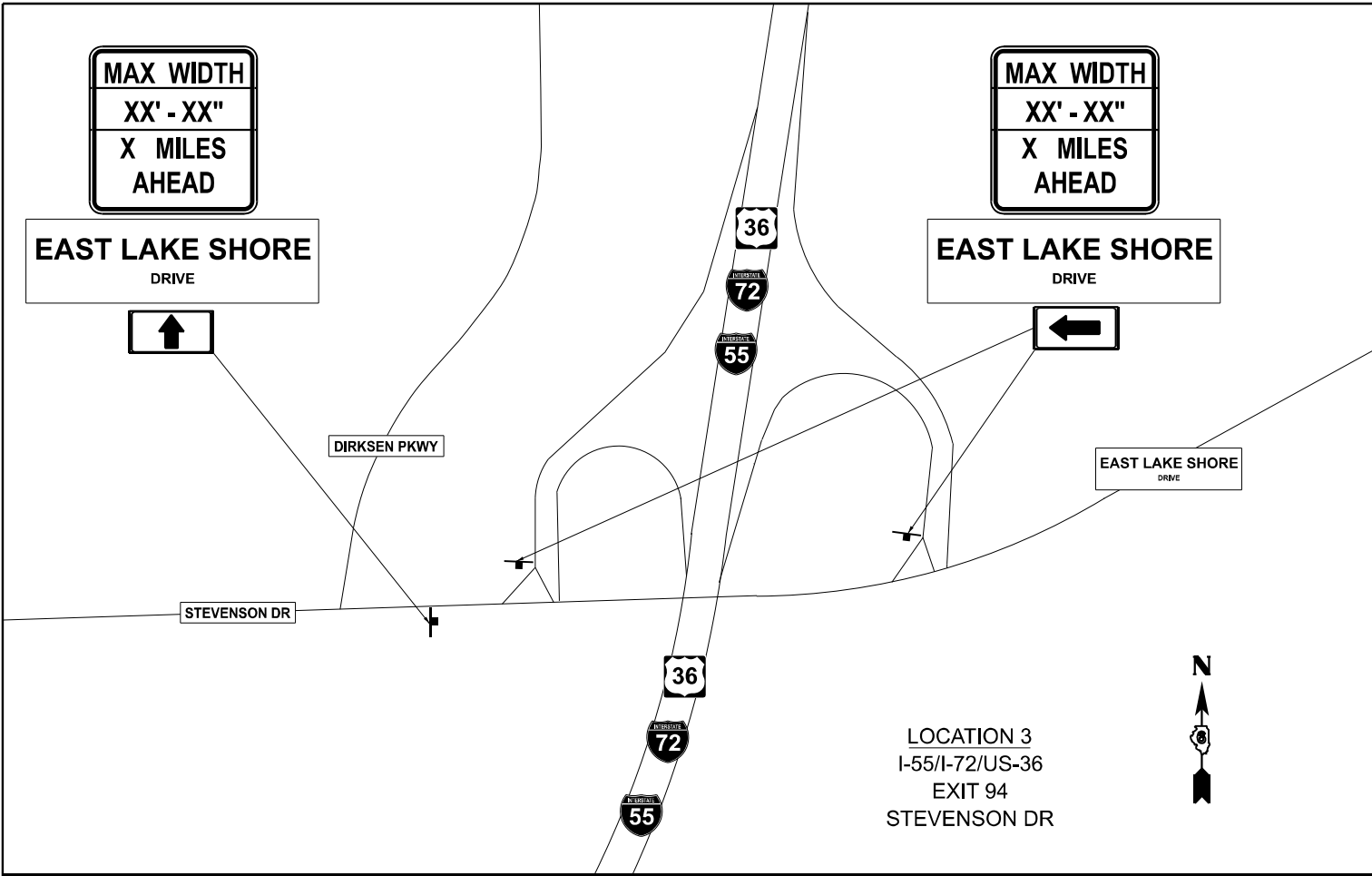
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KUHN & TRELLO
 CONSULTING ENGINEERS
 A Limited Liability Company
 109 N. 7th Street, 3rd Floor
 Springfield, IL 62701
 Phone: 217-619-0044

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING DETAIL			
SCALE:	SHEET 1	OF 2	SHEETS
	STA.		TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	13
CONTRACT NO. 72159			ILLINOIS FED. AID PROJECT	



MODEL: Sheet 2
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 CONSULTING ENGINEERS
 A Limited Liability Company
 309 N. 7th Street, 3rd Floor
 Springfield, IL 62701
 Phone: 618-692-0044

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PLOT DATE = 12/15/2023	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WIDTH RESTRICTION SIGNING DETAIL			
SCALE:	SHEET 2	OF 2	SHEETS
	STA.		TO STA.

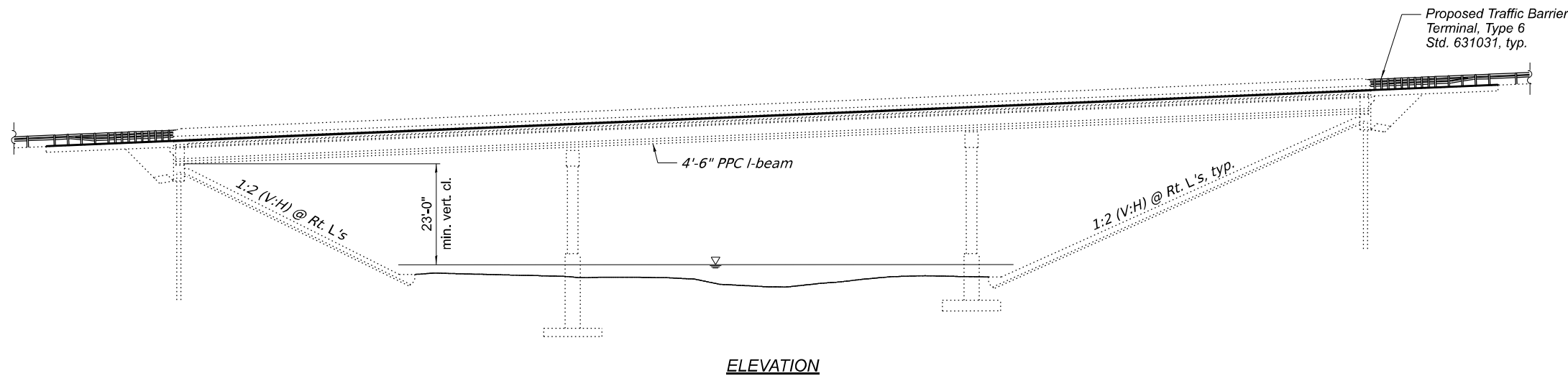
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CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

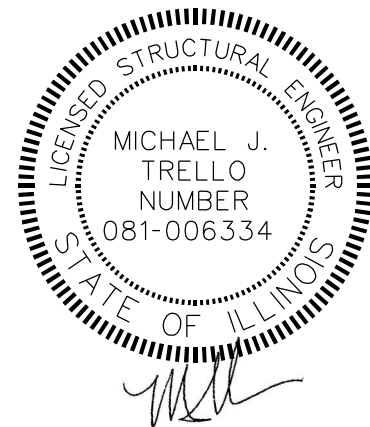
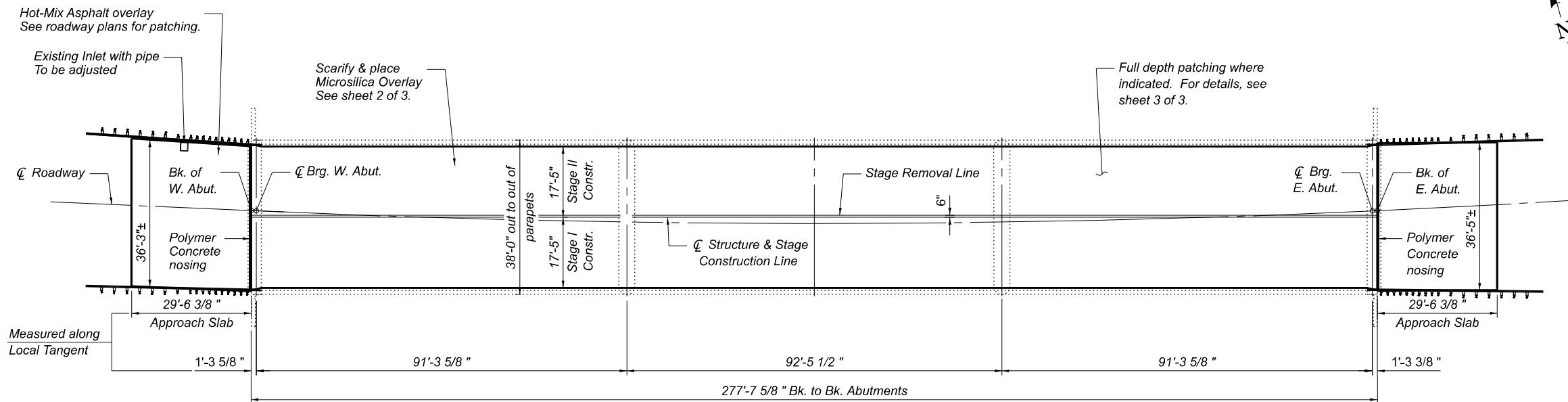
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

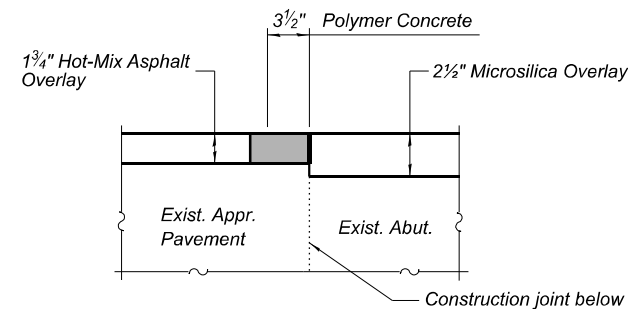
Areas of deck slab repair shown are estimated. The Engineer shall show actual locations of deck repairs on As-Built plans.



ELEVATION



Date: January 18, 2024
Expires: November 30, 2024



DETAIL A

West Approach slab shown, East similar

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bridge Deck Grooving	Sq. Yd.	1013
* Protective Coat	Sq. Yd.	1073
Bridge Deck Scarification, 3/4"	Sq. Yd.	1073
Bridge Deck Microsilica Concrete Overlay, 2 1/2"	Sq. Yd.	1073
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	21

* On new deck surface only

MODEL: 440DELMAMES
FILE NAME: SLELE5



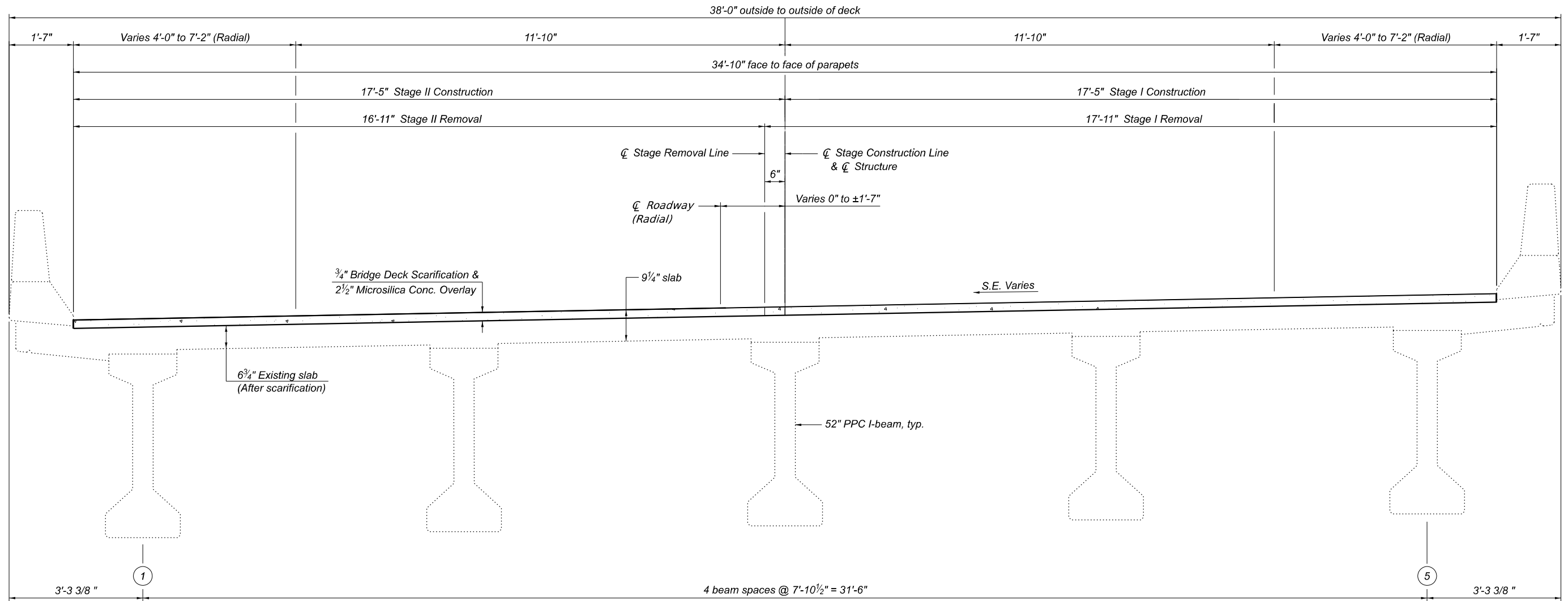
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION
STRUCTURE NO. 084-0209**

SHEET 1 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	15
			CONTRACT NO. 72159	
ILLINOIS FED. AID PROJECT				



STAGING CROSS SECTION
(Looking East)

MODEL: Sheet
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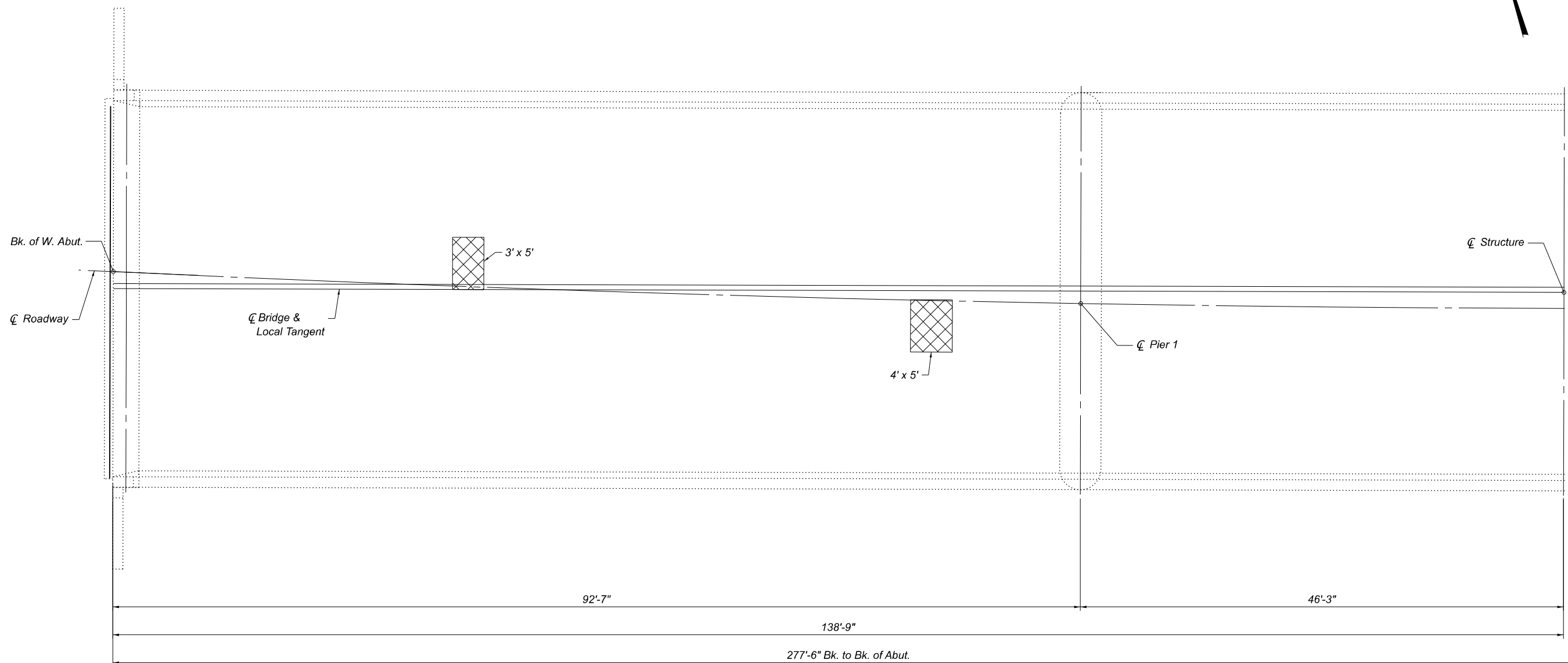
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETAILS & CROSS SECTION
STRUCTURE NO. 084-0209

SHEET 2 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	16
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				



DECK PATCHING REPAIR PLAN

SN 084-0209

W. Abut. to Cl Bridge

 Deck Slab Repair (Full Depth, Type II)

**SUPERSTRUCTURE
BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Deck Slab Repair Full Depth (Type II)	Sq. Yd.	3.9

MODEL: 084-0209.W
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 A Limited Liability Company
 109 N. 7th Street, 3rd Floor
 Springfield, IL 62701
 Phone: 217-619-0044
 Professional Design Firm No. 184-006516

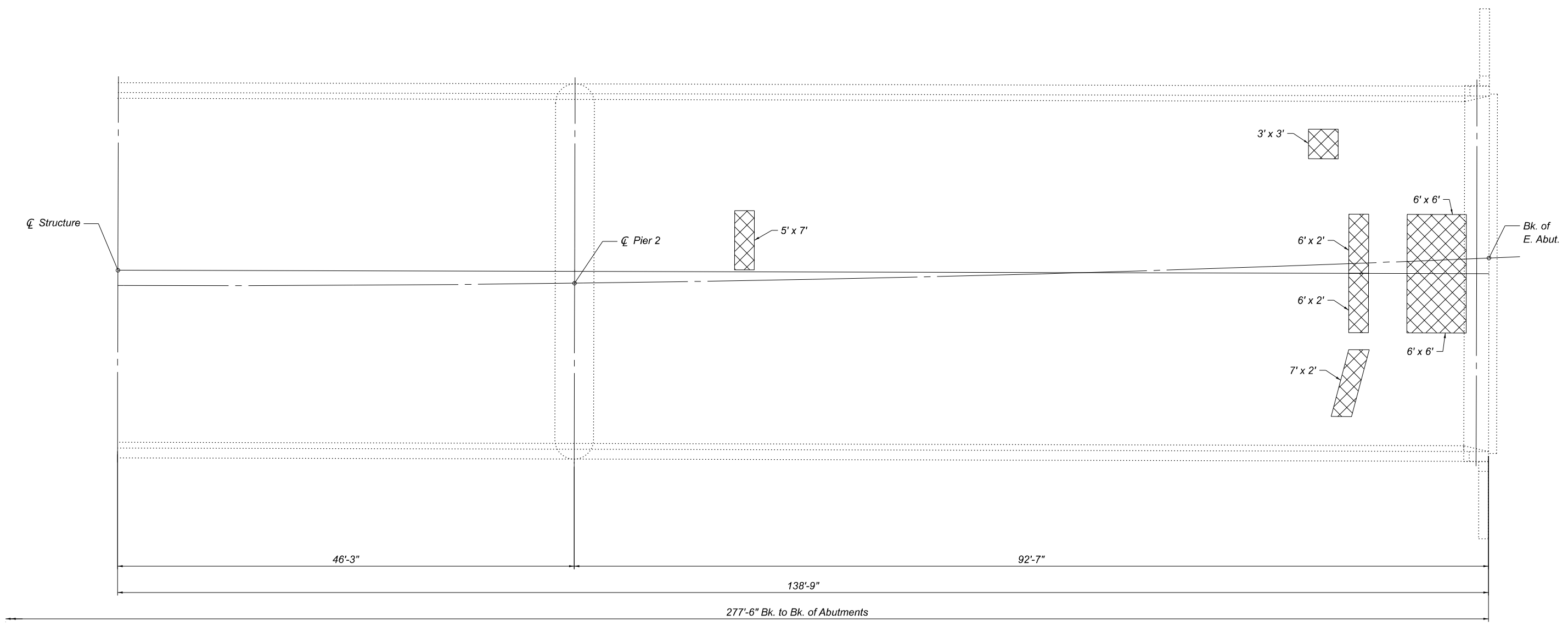
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK SLAB REPAIR DETAILS
STRUCTURE NO. 084-0209**

SHEET 3 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	17
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				



DECK PATCHING REPAIR PLAN

SN 084-0209

☐ Bridge to E. Abut.

Deck Slab Repair (Full Depth, Type II)

**SUPERSTRUCTURE
BILL OF MATERIAL**

ITEM	UNIT	QUANTITY
Deck Slab Repair Full Depth (Type II)	Sq. Yd.	17.1

MODEL: 084-0209 E
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 CONSULTING ENGINEERS
 A Limited Liability Company
 109 N. 7th Street, 3rd Floor
 Springfield, IL 62701
 Phone: 217-618-0044
 Professional Design Firm No. 184-006516

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	DATE - 08-01-2023	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DECK SLAB REPAIR DETAILS
STRUCTURE NO. 084-0209**

SHEET 4 OF 4 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72159				

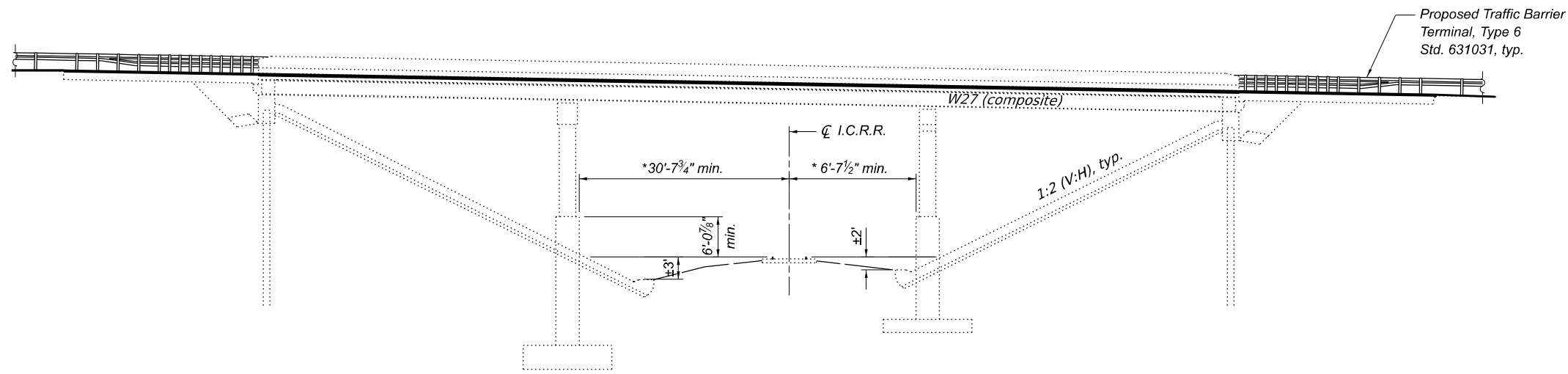
ILLINOIS FED. AID PROJECT

GENERAL NOTES

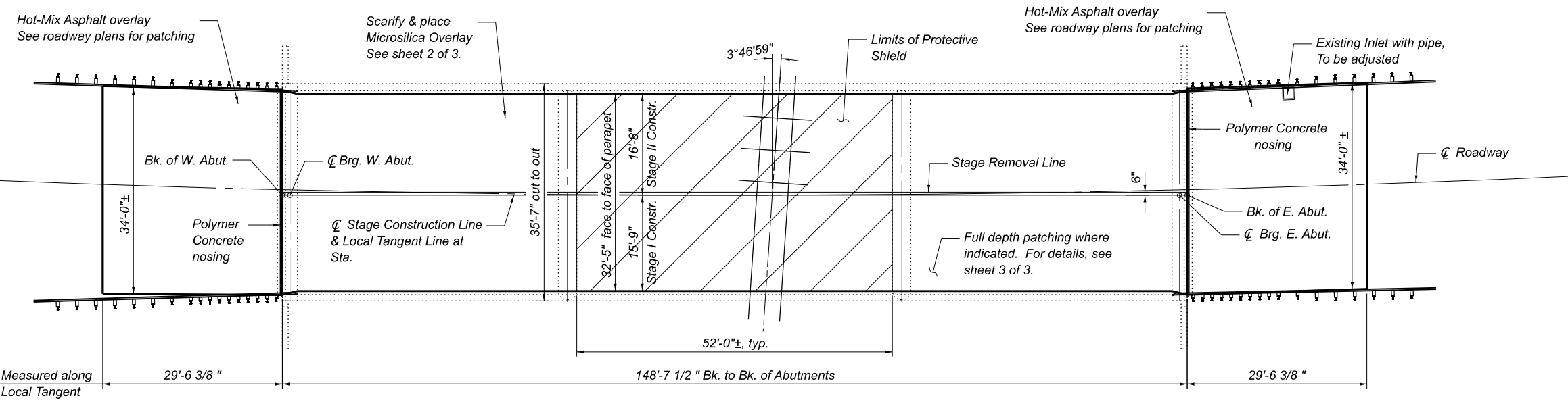
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.

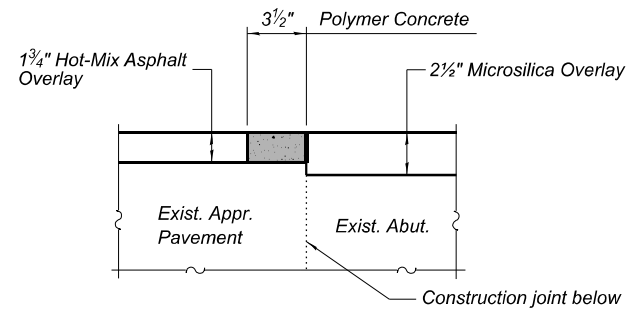
Areas of deck slab repair shown are estimated. The Engineer shall show actual locations of deck repairs on As-Built plans.



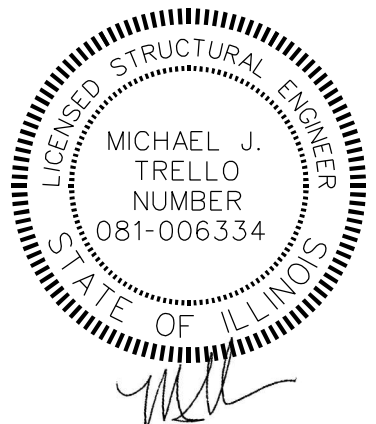
ELEVATION



PLAN



DETAIL A
West Approach slab shown, East similar



Date: January 18, 2024
Expires: November 30, 2024

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Bridge Deck Grooving	Sq. Yd.	502
* Protective Coat	Sq. Yd.	535
Bridge Deck Scarification, 3/4"	Sq. Yd.	535
Bridge Deck Microsilica Concrete Overlay, 2 1/2"	Sq. Yd.	535
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	0.3
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	8.4
Protective Shield	Sq. Yd.	206
Railroad Protective Liability Insurance	L. Sum	1

* On new deck surface only

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DATE - 08-01-2023

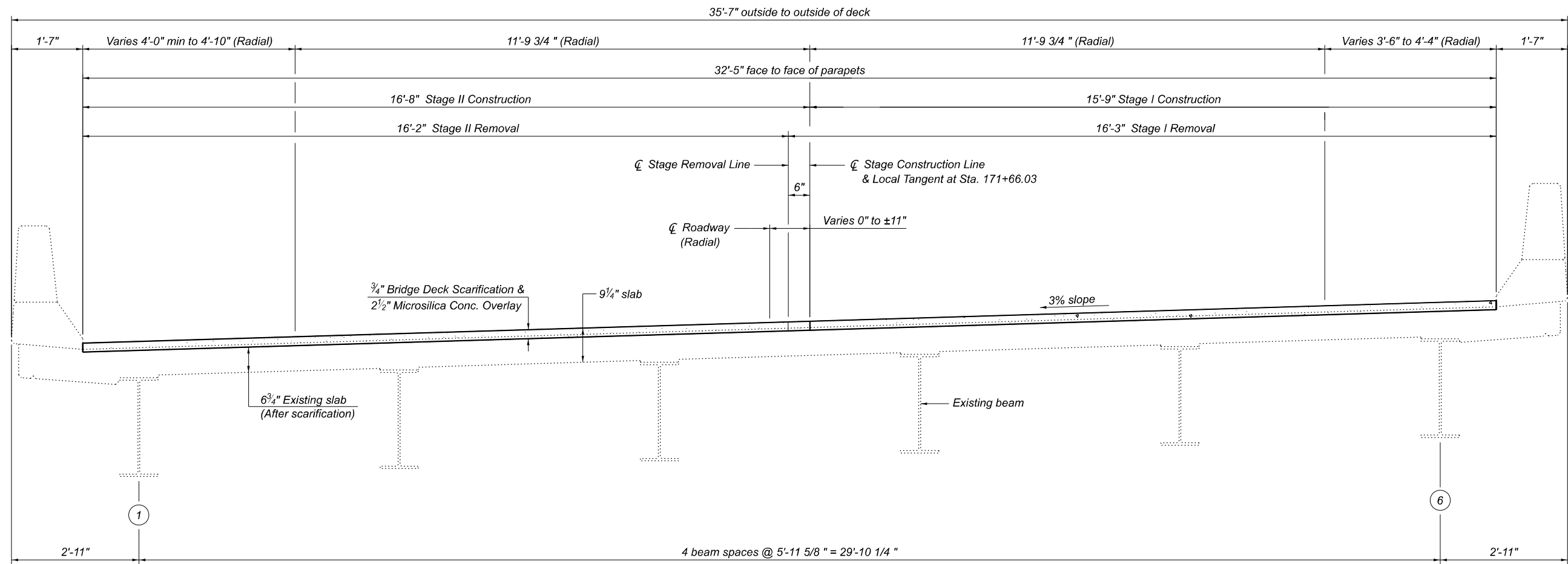
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REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN & ELEVATION
STRUCTURE NO. 084-0208**

SHEET 1 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	19
			CONTRACT NO. 72159	
		ILLINOIS FED. AID PROJECT		



STAGING CROSS SECTION
(Looking East)

MODEL: Sheet
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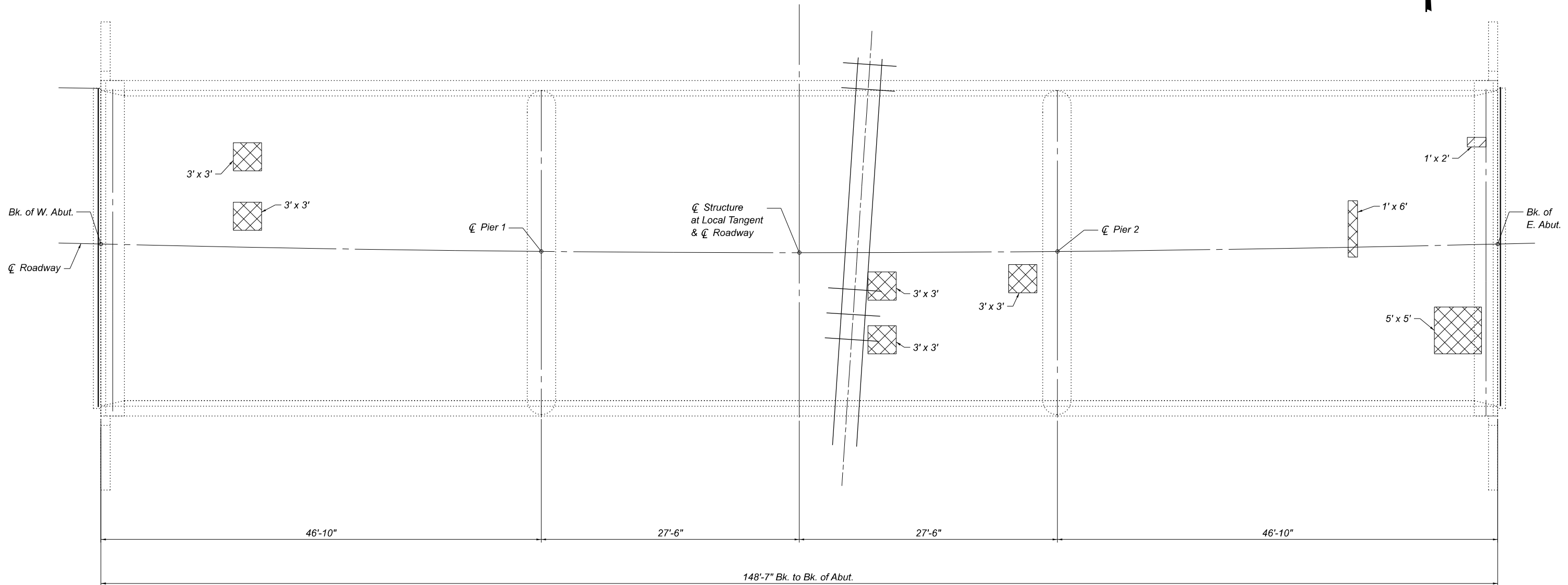
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETAILS & CROSS SECTION
STRUCTURE NO. 084-0208

SHEET 2 OF 3 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	20
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				



DECK PATCHING REPAIR PLAN
SN 084-0208

- Deck Slab Repair (Full Depth, Type I)
- Deck Slab Repair (Full Depth, Type II)

SUPERSTRUCTURE
BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Deck Slab Repair Full Depth (Type I)	Sq. Yd.	0.3
Deck Slab Repair Full Depth (Type II)	Sq. Yd.	8.4

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 Professional Design Firm No. 184-006516

KUHN & TRELLO
 CONSULTING ENGINEERS
 A Limited Liability Company
 109 N. 7th Street, 3rd Floor
 Springfield, IL 62701
 Phone: 217-619-0044

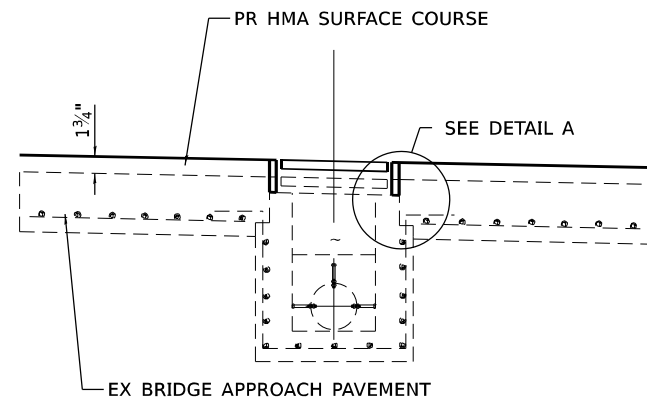
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

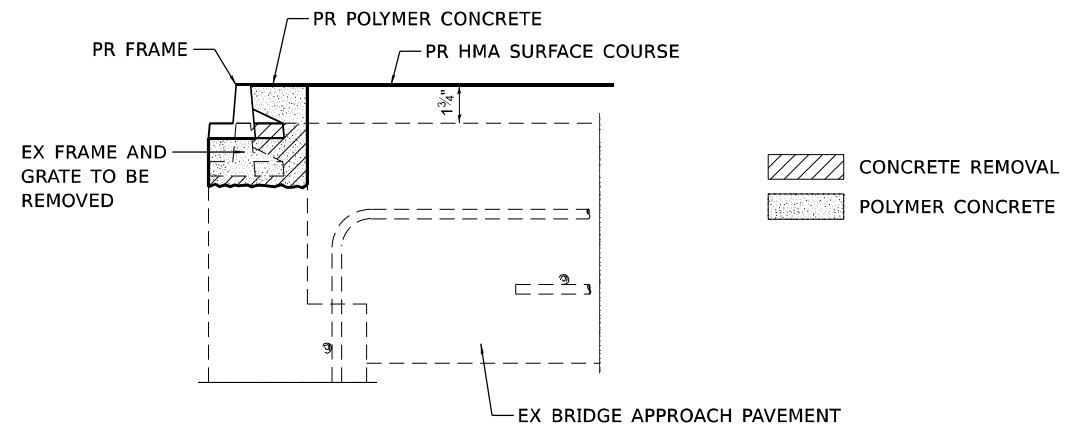
DECK SLAB REPAIR DETAILS
STRUCTURE NO. 084-0208

SHEET 3 OF 3 SHEETS

F.A.U. RTE. 7998	SECTION (110X-2VB-1,B)BDR	COUNTY SANGAMON	TOTAL SHEETS 22	SHEET NO. 21
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				



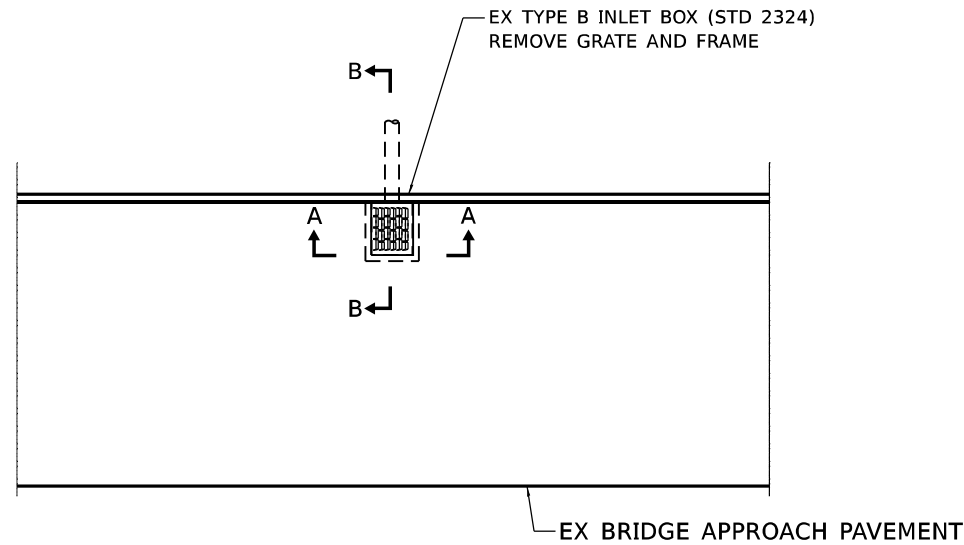
SEC A-A



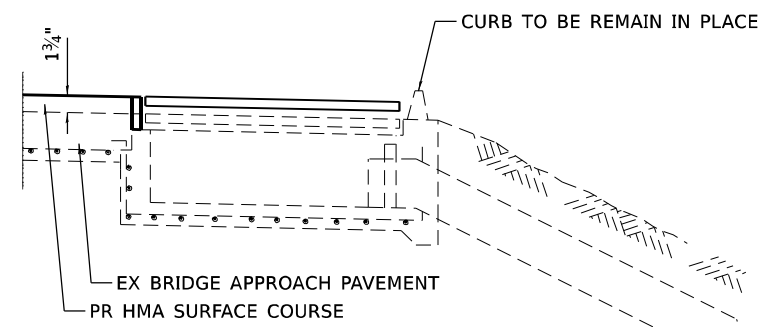
DETAIL A

GENERAL NOTES

THE CONTRACTOR SHALL FURNISH AND INSTALL A NEW CAST FRAME AND CAST GRATE AS SPECIFIED ON STANDARD 610001 FOR THE TYPE G INLET BOX



PLAN



SEC B-B

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INLET BOX ADJUSTMENT DETAILS
SN 084-0208 & SN 084-0209**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7998	(110X-2VB-1,B)BDR	SANGAMON	22	22
CONTRACT NO. 72159				
ILLINOIS FED. AID PROJECT				

MODEL: Sheet 12/15/2023 10:46:07 IDOT D6 - PTB 19A-030 - W07 - Sangamon County 72159\CADD\Drawings\084-0208-0209.dwg

KT **KUHN & TRELLO**
CONSULTING ENGINEERS
A Limited Liability Company
109 N. 7th Street, 3rd Floor
Springfield, IL 62701
Phone: 217-618-0044
Professional Design Firm No. 184-006516

USER NAME = msutheard	DESIGNED -	REVISED -
PLOT SCALE = 0.16666633 1/16 in.	DRAWN -	REVISED -
PLOT DATE = 12/15/2023	CHECKED -	REVISED -
	DATE -	REVISED -