

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	1
		ILLINOIS	CONTRACT NO. 64U90	

INDEX OF SHEETS

- 1 COVER SHEET
- 2 GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS
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- 33 MISCELLANEOUS DETAILS
- 34-47 DISTRICT STANDARDS

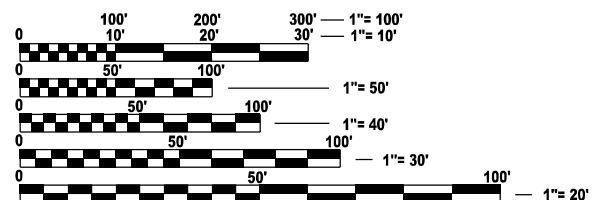
FOR LIST OF STANDARDS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

FAS ROUTE 55 (IL ROUTE 70) SECTION (102BR-4)BJR BRIDGE REHABILITATION WINNEBAGO COUNTY

C-92-116-25

S.N. 101-0165
 BEGIN PROJECT - STA. 273+17.90
 END PROJECT - STA. 278+65.90



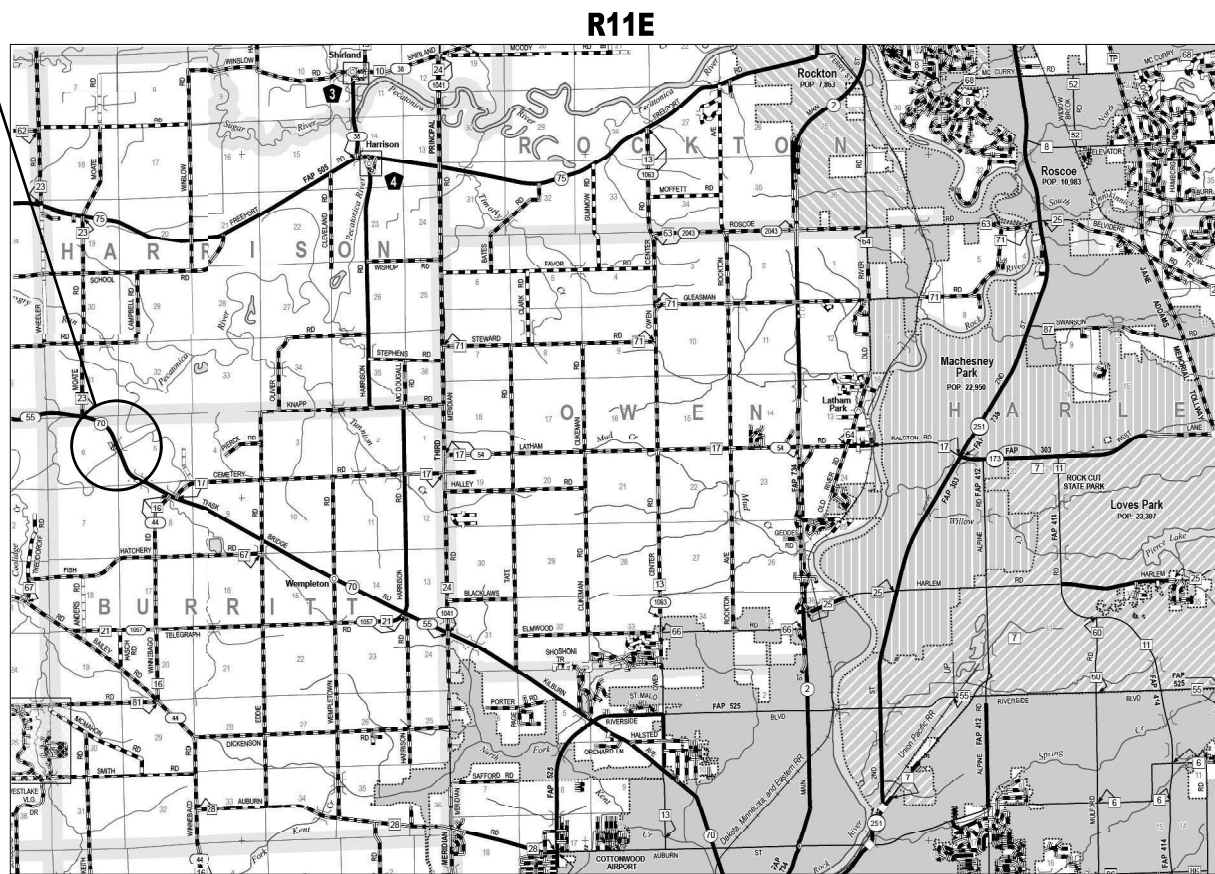
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

IDOT PROJECT MANAGER: DERRICK LOPEZ, P.E.
 PROJECT ENGINEER: TIMOTHY LAROCQUE, P.E., CFM
 PROJECT MANAGER: WILL MARDAUSS, P.E., S.E.

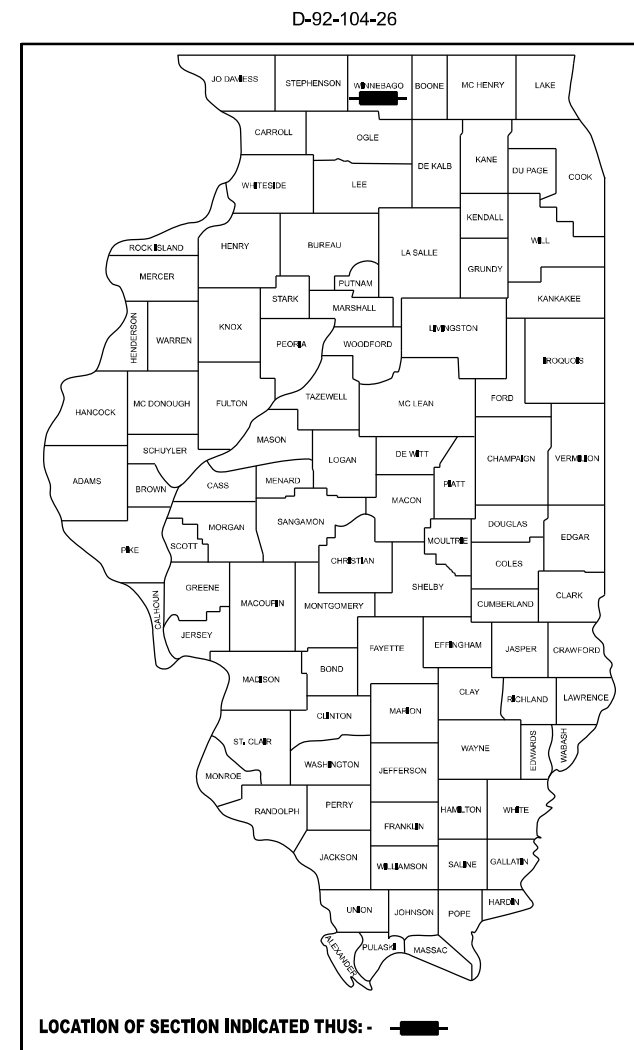


SIGNATURE: *Timothy Larocque*
 EXPIRES: 11/30/2027
 DATE: 02/06/2026



GROSS LENGTH = 548 FT. = 0.104 MILE
 NET LENGTH = 548 FT. = 0.104 MILE

Farnsworth GROUP
 CONTRACT NO. 64U90



LOCATION OF SECTION INDICATED THUS: - [Black Box] -

FUNCTIONAL CLASSIFICATION
 MINOR ARTERIAL
 2023 ADT = 3,500

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED February 10 20 26
Julia Thompson
 REGIONAL ENGINEER

March 20 20 26
Sean E. [Signature]
 ENGINEER OF DESIGN AND ENVIRONMENT

March 20 20 26
[Signature]
 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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 OF THE STATE OF ILLINOIS

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES AND SHALL BE LIABLE FOR ANY DAMAGE TO THEM RESULTING FROM THEIR OPERATIONS.
2. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS INDICATED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED IMPROVEMENT LIMITS SHALL BE SEEDED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
3. PARTIAL DEPTH SAW CUTS SHALL BE PROVIDED AT ALL REMOVAL LIMITS UNLESS OTHERWISE SHOWN ON THE PLANS. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED.
4. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. RELOCATE TEMPORARY IMPACT ATTENUATORS SHALL INCLUDE STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE DEVICE IS NOT NEEDED FOR A TIME, AS SHOWN ON THE STAGING PLANS. THIS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.
6. THE BARRIER UNIT AT EACH END SHALL BE ANCHORED AS SPECIFIED IN ARTICLE 704.04. ALL ANCHORING AND PINNING HOLES SHALL BE CORE DRILLED.
7. WHEN RELOCATE TEMPORARY CONCRETE BARRIER IS SPECIFIED, THE WALL SHALL BE REMOVED, STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE WALL IS NOT NEEDED FOR A TIME AS SHOWN ON THE STAGING PLANS, RELOCATED AND REINSTATED AT THE NEW LOCATION. THE REINSTALLATION REQUIREMENTS SHALL BE THE SAME AS THOSE FOR A NEW INSTALLATION. THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR RELOCATE TEMPORARY CONCRETE BARRIER.
8. NO STREAM PERMITS HAVE BEEN PROCURED FOR THIS PROJECT. NONE ARE REQUIRED FROM THE REGULATORY AGENCIES AS LONG AS THERE IS NO DEBRIS FALLING OR BEING PLACED INTO THE STREAM. ANY TEMPORARY FILL IN THE STREAM OR THE COMPROMISING OF THE DIKE (IF APPLICABLE) WILL NOT BE ALLOWED. IF THE CONTRACTOR CHOOSES TO USE ALTERNATE/MODIFIED CONSTRUCTION METHOD(S) FROM THE AFOREMENTIONED, THEY WILL BE RESPONSIBLE FOR OBTAINING THE PROPER PERMITS. NO RELIEF OR COMPENSATION WILL BE GIVEN FOR ANY DELAYS, WORKING DAYS CHARGED, OR CALENDAR DAYS EXPIRED AS A RESULT OF THE LOSS OF TIME OR DELAY DURING THE RE-SUBMITTAL PROCESS TO PROCURE THE NECESSARY PERMIT(S) DUE TO THE CONTRACTOR CHOOSING ALTERNATE/MODIFIED CONSTRUCTION METHOD(S). ABSOLUTELY NO CONSTRUCTION ACTIVITIES WILL TAKE PLACE WITHOUT THE PROPER PERMITS BEING SECURED.
9. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

IDOT IS NOT A MEMBER OF JULIE. IF YOU ARE NEAR ANY OVERHEAD LIGHTING, INTERSECTION LIGHTING OR TRAFFIC SIGNALS, CONTACT THE IDOT TRAFFIC OFFICE AT 815/284-5469 AT LEAST 48 HOURS PRIOR TO WORK.
10. THE AREA TO BE TACKED OR PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA ON THE NEXT DAY'S PRODUCTION, BUT NO MORE THAN FIVE DAYS IN ADVANCE OF THE PLACEMENT OF THE HMA, UNLESS APPROVED BY THE ENGINEER.
11. PAVEMENT MARKINGS SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
 1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
 2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
 3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8 INCHES, NOT 7 INCHES, AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES
 4. CENTERLINE SKIP DASH PAVEMENT MARKINGS ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED AND ONE-WAY ROADWAYS SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.
12. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING, TOPOGRAPHY, AND QUANTITIES SHOWN ON THESE PLANS WERE CREATED USING MICROFILM AND FIELD MEASUREMENTS. ALL SHALL BE ASSUMED TO BE APPROXIMATE. THE CONTRACTOR SHALL VERIFY DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREA OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420001-11	PAVEMENT JOINTS
420401-13	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
601001-05	PIPE UNDERDRAINS
601101-02	CONCRETE HEADWALL FOR PIPE UNDERDRAINS
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
642001-03	SHOULDER RUMBLE STRIPS 16"
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-19	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701901-11	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

RATES OF APPLICATION TABLE

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

AGGREGATE (SURFACE, BASE, SUBBASE OR BACKFILL).....	2.05 TON / CU YD
HOT-MIX ASPHALT	
BITUMINOUS MATERIAL (TACK COAT) (ON EXIST PAVEMENT).....	0.05 LB / SQ FT
HOT-MIX ASPHALT SURFACE COURSE (112 LB / SQ YD * IN).....	0.056 TON / SQ YD * IN

HMA MIXTURE REQUIREMENTS TABLE

LOCATION	BUTT JOINTS	ENTIRE PROJECT	ENTIRE PROJECT
MIXTURE USE:	HMA SURFACE	SHOULDER (LOWER)	SHOULDER (SURFACE)
PG	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ N _{DES} = 50	4.0% @ N _{DES} = 50	4.0% @ N _{DES} = 50
MIXTURE COMPOSITION (GRADATION)	IL 9.5	IL 19.0	IL 9.5
FRICTION AGGREGATE	MIX "D"		MIX "D"
MIXTURE WEIGHT	112 LB / SQ YD * IN	112 LB / SQ YD * IN	112 LB / SQ YD * IN
QUALITY MANAGEMENT PLAN	QC/QA	QC/QA	QC/QA
SUBLOT SIZE	N/A	N/A	N/A

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	2
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	96
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	144
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	320
40600990	TEMPORARY RAMP	SQ YD	112
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	36
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	120
44000100	PAVEMENT REMOVAL	SQ YD	80
44004250	PAVED SHOULDER REMOVAL	SQ YD	812
48203045	HOT-MIX ASPHALT SHOULDERS, 12"	SQ YD	812
50102400	CONCRETE REMOVAL	CU YD	69.6
50200100	STRUCTURE EXCAVATION	CU YD	166
50300225	CONCRETE STRUCTURES	CU YD	24
50300255	CONCRETE SUPERSTRUCTURE	CU YD	72
50300300	PROTECTIVE COAT	SQ YD	1,636

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	107.6
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	130
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	51,850
50800515	BAR SPLICERS	EACH	356
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	10
52100520	ANCHOR BOLTS, 1"	EACH	20
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	108
53016001	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	5
53101002	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	1,353
53101409	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	1,636
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	11
53212755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	153
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	164
58700300	CONCRETE SEALER	SQ FT	2,893

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	3
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
59000200	EPOXY CRACK INJECTION	FOOT	132
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	69
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	4
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	88
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	4
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1
63200310	GUARDRAIL REMOVAL	FOOT	40
* 63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	2
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	1,158
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6
67100100	MOBILIZATION	L SUM	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	12
70300100	SHORT TERM PAVEMENT MARKING	FOOT	124
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,642
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	4,560
70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	48
70400100	TEMPORARY CONCRETE BARRIER	FOOT	988
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	60
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	875
70600250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1
70600251	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE, NARROW) TEST LEVEL 3	EACH	1
70600350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	1
70600352	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	1
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	5,698

* = SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	4
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	940
X0325381	FIELD THERMAL SPRAYING (METALLIZING) STRUCTURAL STEEL NO. 1	L SUM	1
X0325748	ACRYLIC COATING	SQ YD	307
X4811800	AGGREGATE SHOULDERS (SPECIAL)	SQ YD	552
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,088
X5051204	STRUCTURAL STEEL REMOVAL	POUND	4,120
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1
X5080530	BAR TERMINATORS	EACH	228
X6430210	REMOVE AND REINSTALL IMPACT ATTENUATORS	EACH	1
* X7820007	GUARDRAIL REFLECTORS, TYPE C (SPECIAL)	EACH	12
* X7820008	BARRIER WALL REFLECTORS (SPECIAL)	EACH	18
Z0001899	JACK AND REMOVE EXISTING BEARINGS	EACH	10
Z0004552	APPROACH SLAB REMOVAL	SQ YD	240
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0015500	DEBRIS REMOVAL	L SUM	1

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,451

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* = SPECIALTY ITEM



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	5
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

ROADWAY ITEMS														
LOCATION			LT/RT	31101200	40600290	40600982	40600990	40604060	42000080	44000100	44004250	48203045	64200116	78001110
				SUBBASE GRANULAR MATERIAL TYPE B 4"	BITUMINOUS MATERIALS (TACK COAT)	HMA SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	HMA SURFACE COURSE, IL-9.5 MIX "D", N50	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	PAVEMENT REMOVAL	PAVED SHOULDER REMOVAL	HOT-MIX ASPHALT SHOULDERS, 12"	SHOULDER RUMBLE STRIPS 16 INCH	PAINT PAVEMENT MARKING - LINE 4" (2 APPLICATIONS)
STA.	TO	STA.		SQ YD	POUND	SQ YD	SQ YD	TON	SQ YD	SQ YD	SQ YD	SQ YD	FOOT	FOOT
269+64.0	TO	283+19.0	CL											1,630
271+24.0	TO	281+65.0	12' RT											2,082
271+24.0	TO	273+87.9	RT								176	176	249	
271+42.0	TO	273+87.9	LT								164	164	231	
271+42.0	TO	281+35.0	12' LT											1,986
273+32.9	TO	273+72.9			72	160	56	18						
273+72.9	TO	273+87.9		48					60	40				
277+95.9	TO	278+10.9		48					60	40				
277+95.9	TO	281+35.0	LT								226	226	324	
277+95.9	TO	281+65.0	RT								246	246	354	
278+10.9	TO	278+50.9			72	160	56	18						
TOTAL				96	144	320	112	36	120	80	812	812	1,158	5,698

MISCELLANEOUS ITEMS		
LOCATION	LT/RT	X7820008
		BARRIER WALL REFLECTORS (SPECIAL)
QUADRANT		EACH
274+02.92 TO 277+80.88	LT	9
274+02.92 TO 277+80.89	RT	9
TOTAL		18

GUARDRAIL ITEMS								
LOCATION			63100085	63200310	63302700	X4811800	X6430210	X7820007
			TRAFFIC BARRIER TERMINAL, TYPE 6	GUARDRAIL REMOVAL	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	AGGREGATE SHOULDERS SPECIAL	REMOVE AND REINSTALL IMPACT ATTENUATORS	GUARDRAIL REFLECTORS, TYPE C (SPECIAL)
STA.	TO	STA.	EACH	FOOT	EACH	SQ YD	EACH	EACH
271+24.0	TO	271+84.0						3
271+42.0	TO	272+02.0						3
273+99.8	TO	271+42.0			1	115		
274+06.1	TO	271+24.0	1	40		126		
277+84.1	TO	281+65.0			1	169		
278+14.6	TO	281+35.0				142	1	
280+75.0	TO	281+35.0						3
281+05.0	TO	281+65.0						3
TOTAL			1	40	2	552	1	12

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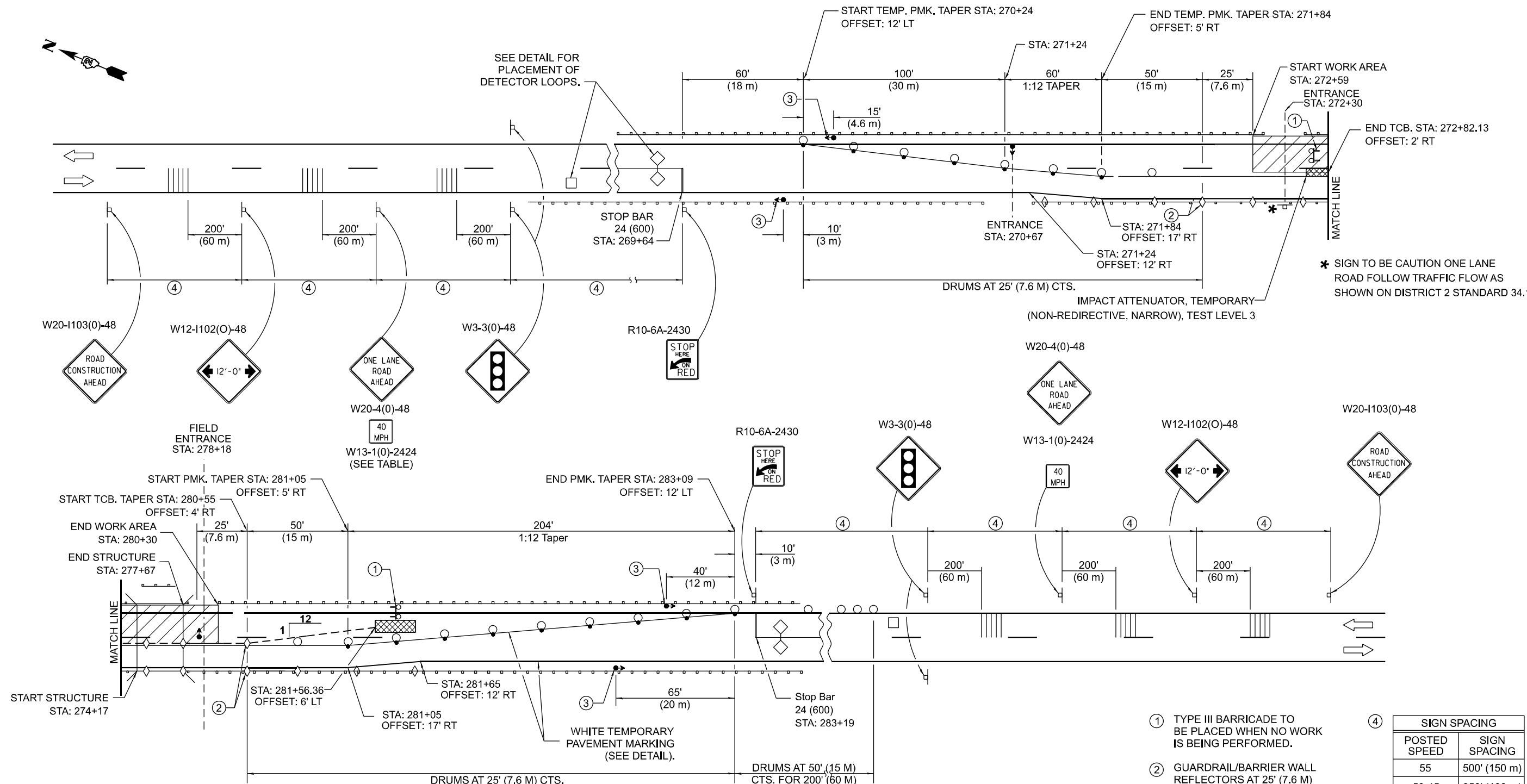
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	6
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



* SIGN TO BE CAUTION ONE LANE ROAD FOLLOW TRAFFIC FLOW AS SHOWN ON DISTRICT 2 STANDARD 34.1

SYMBOLS

- WORK AREA
- SIGN
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TRAFFIC SIGNAL
- DETECTOR LOOPS
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3
- DRUM WITH STEADY BURNING BI-DIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- TEMPORARY RUMBLE STRIP (WHEN SPECIFIED)
- CRYSTAL, BIDIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
- DRUM

- ① TYPE III BARRICADE TO BE PLACED WHEN NO WORK IS BEING PERFORMED.
- ② GUARDRAIL/BARRIER WALL REFLECTORS AT 25' (7.6 M) CTS. SEE STANDARDS 704001 & 782006.
- ③ THE EDGE OF THE POST MOUNTED SIGNAL HEAD SHALL BE BETWEEN 24 (610) AND 6' (1.8 M) FROM EDGE OF SHOULDER.

SIGN SPACING	
POSTED SPEED	SIGN SPACING
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

- NOTES: 1. IDOT HIGHWAY STANDARD 701321 WAS USED FOR STAGING. STATION AND OFFSET CALLOUTS HAVE BEEN ADDED TO CLARIFY PROPOSED LOCATIONS OF TEMPORARY CONCRETE BARRIER AND TEMPORARY STRIPING. THE CONTRACTOR SHALL CONFIRM LOCATIONS WITH THE ENGINEER PRIOR TO INSTALLATION.
2. BARRIER WALL OFFSETS ARE TO THE CONSTRUCTION SIDE OF WALL

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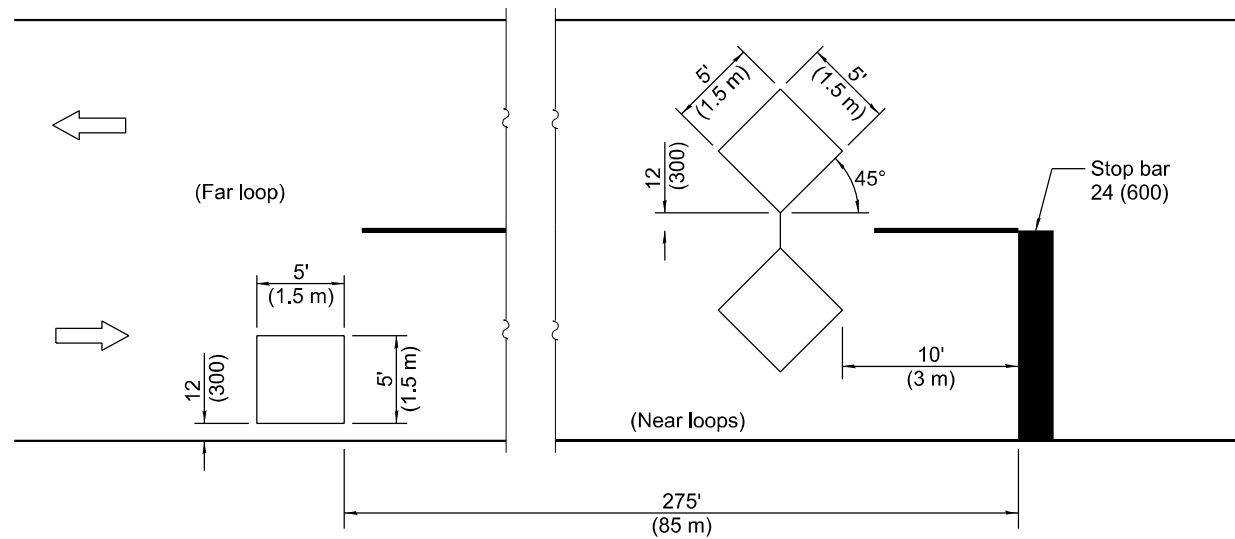
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGING DETAILS
STAGE 2**

SCALE: N.T.S. SHEET 2 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	9
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

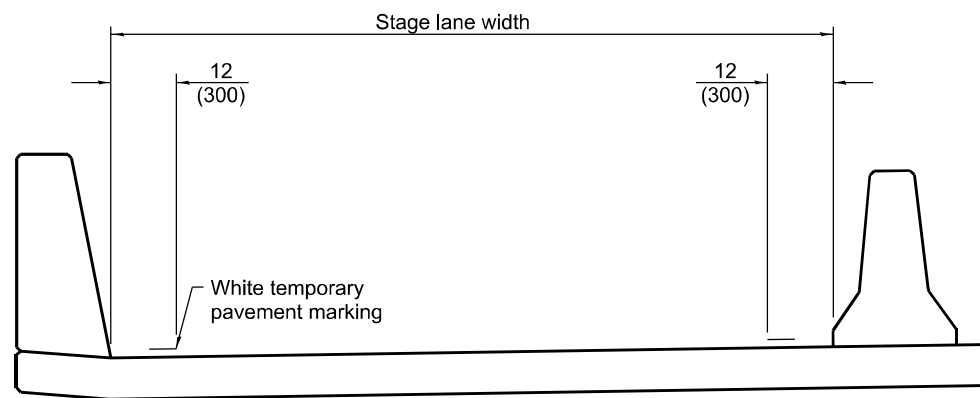


DETECTOR LOOPS

TRAFFIC SIGNAL SEQUENCE						
PHASE	A			B		
INTERVAL	1	2	3	4	5	6
NORTHBOUND OR EASTBOUND	G	Y	R	R	R	R
SOUTHBOUND OR WESTBOUND	R	R	R	G	Y	R

TEMPORARY CONCRETE BARRIER	
NORMAL POSTED SPEED	TAPER RATIO
40 mph AND ABOVE	12:1
BELOW 40 mph	8:1

ADVISORY SPEED LIMIT	
NORMAL POSTED SPEED	ADVISORY SPEED
55 - 45 mph	40 mph
40 mph	35 mph
35 - 30 mph	30 mph



TEMPORARY PAVEMENT MARKING

GENERAL NOTES

This detail is used where, at any time, any vehicle, equipment, workers, or their activities will encroach on one lane of a bridge. Traffic signals and a positive barrier are required.

Traffic signals shall be operational only when all traffic controls are in place. When traffic signals are not in operation, flaggers shall be used and traffic control shall conform to Standard 701201 or 701206.

Temporary concrete barrier shall be according to Standard 704001.

Existing or temporary pavement markings shall be on both sides of open lane from stop bar to stop bar.

Traffic signals shall be placed as directed by the Engineer.

Contractor shall maintain access to all entrances and side roads at all times.

All dimensions are in inches (millimeters) unless otherwise shown.

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PLOT DATE = 2/26/2026	DATE - 02/26/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING DETAILS
STAGE 1 & 2

SCALE: N.T.S. SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	10
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

Benchmark: A "□" chiseled on East end of bridge, top of downstream wingwall, Elevation = 740.64. Contractor to verify.

Existing Structure: S.N. 101-0165 was constructed in 1996 as section 102BR-4. The superstructure consists of three spans of 52" web plate girders, composite with the 7½" reinforced concrete deck. The substructure consists of approach bents, stub abutments, and solid wall piers all supported on concrete piles. The back-to-back of abutment measures 350'-0". Out-to-out deck measures 39'-2". Span lengths are 107'-8½", 129'-6", and 107'-8½". The structure has a 10° skew right forward. Traffic shall be maintained utilizing stage construction.

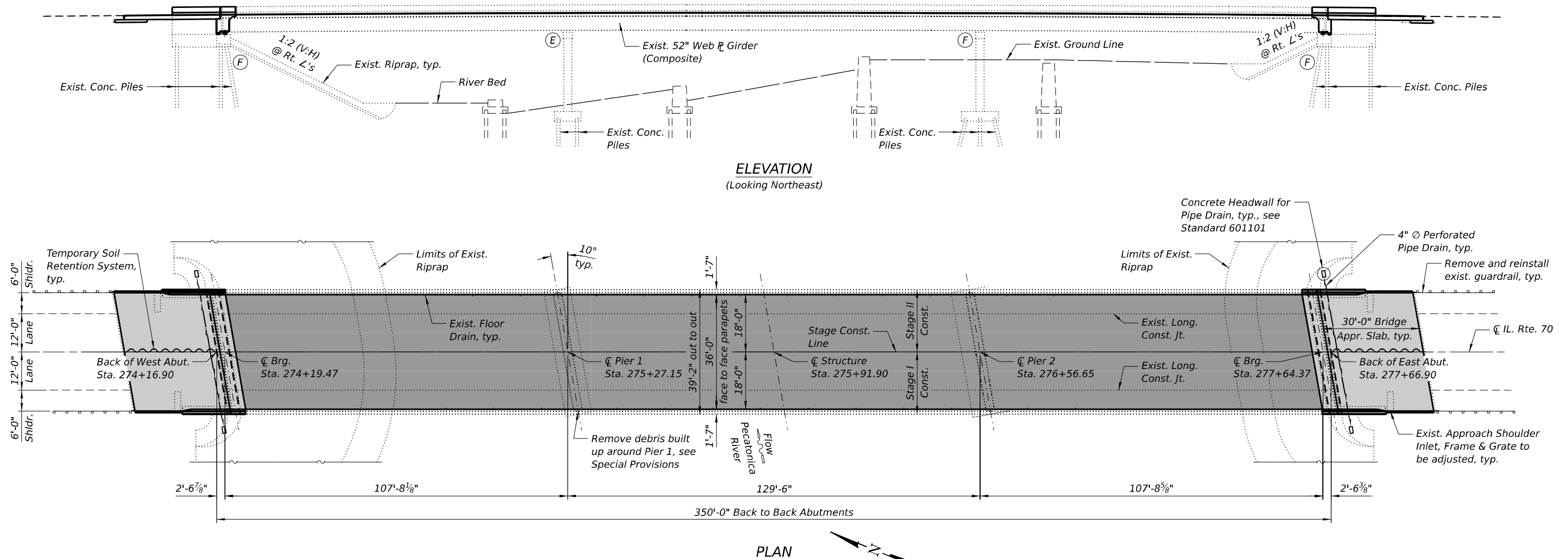
No Salvage.

DESIGN SPECIFICATIONS
2002 AASHTO Standard Specifications
for Highway Bridges

EXISTING DESIGN STRESSES
FIELD UNITS (1995):
f_c = 3,500 psi
f_y = 60,000 psi (Reinforcement)
f_y = 50,000 psi (Structural Steel, M270 Gr. 50)
f_y = 36,000 psi (Structural Steel, M270 Gr. 36)

PROPOSED DESIGN STRESSES
FIELD UNITS:
f_c = 4,000 psi
f_y = 60,000 psi (Reinforcement)
f_y = 50,000 psi (Structural Steel)
f_y = 36,000 psi (Structural Steel, M270 Grade 36)

LOADING HS20-44



LEGEND

- Limits of Bridge Deck Scarification ¾", Bridge Deck Latex Concrete Overlay, 2½", and ¼" grinding
- Limits of Bridge Deck Latex Concrete Overlay, 2½" and ¼" grinding

SCOPE OF WORK

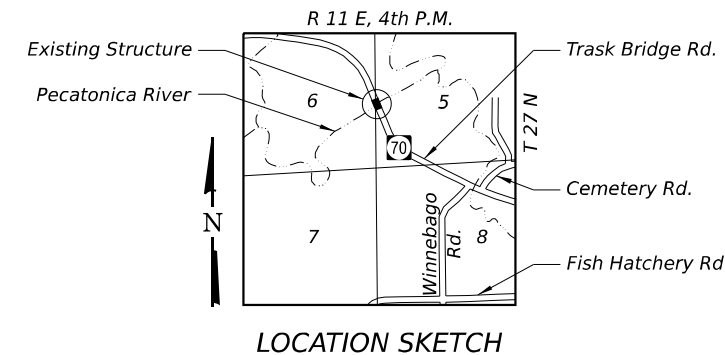
- 1.) Maintain one lane of traffic utilizing stage construction.
- 2.) Scarification of bridge deck.
- 3.) Perform deck and concrete parapet repairs as shown.
- 4.) Replace bearings at abutments.
- 5.) Remove and replace bridge approach slabs.
- 6.) Field metallization of steel beam ends.
- 7.) Convert existing stub abutments to semi-integral abutments.
- 8.) Repair concrete abutments and piers.
- 9.) Application of latex concrete overlay to bridge deck and approach slabs, perform diamond grinding, longitudinal bridge deck grooving, and apply protective coat.
- 10.) Debris removal from river at Pier 1.

INDEX OF SHEETS

SHEET NO.	TITLE
1	GENERAL PLAN AND ELEVATION
2-3	GENERAL DATA AND MISCELLANEOUS DETAILS
4	STAGE CONSTRUCTION DETAILS
5	TEMPORARY SOIL RETENTION SYSTEM
6	TEMPORARY CONCRETE BARRIER
7	DECK SLAB REPAIRS
8	DECK SLAB REPAIRS - AS BUILT
9-10	PARAPET REPAIR DETAILS
11	SUPERSTRUCTURE REMOVAL DETAILS
12	DIAPHRAGMS
13	SUPERSTRUCTURE DETAILS
14-15	BRIDGE APPROACH SLAB DETAILS
16-17	ABUTMENT REPAIR DETAILS
18	BEARING DETAILS
19-20	PIER REPAIR DETAILS
21	APPROACH SHOULDER INLET DETAILS
22	BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAIL



WILLIAM MARDAUSS, P.E., S.E. DATE: 02/26/2026
LICENSE EXPIRES 11 / 30 / 2026
SHEET RANGE 11-32



IL. RTE. 70 OVER PECATONICA RIVER
F.A.S. RTE. 55 - SEC. (102BR-4)BJR
WINNEBAGO COUNTY
STATION 275+91.90
STRUCTURE NO. 101-0165

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	CHECKED - WWM	REVISED -
PLOT DATE = 2/26/2026	DATE = 02/26/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION

SCALE: SHEET 1 OF 22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	11
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	69.6
Structure Excavation	Cu. Yd.	166
Concrete Structures	Cu. Yd.	24
Concrete Superstructure	Cu. Yd.	72
Protective Coat	Sq. Yd.	1,636
Concrete Superstructure (Approach Slab)	Cu. Yd.	107.6
Furnishing and Erecting Structural Steel	Pound	130
Reinforcement Bars, Epoxy Coated	Pound	51,850
Bar Splicers	Each	356
Elastomeric Bearing Assembly, Type I	Each	10
Anchor Bolts, 1"	Each	20
Temporary Soil Retention System	Sq. Ft.	108
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5
Bridge Deck Scarification 3/4"	Sq. Yd.	1,353
Bridge Deck Latex Concrete Overlay, 2 1/2 Inches	Sq. Yd.	1,636
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	11
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	153
Granular Backfill for Structures	Cu. Yd.	164
Concrete Sealer	Sq. Ft.	2,893
Epoxy Crack Injection	Foot	132
Geocomposite Wall Drain	Sq. Yd.	69
Concrete Headwalls For Pipe Drains	Each	4
Pipe Underdrains for Structures 4"	Foot	88
Frames and Grates to be Adjusted	Each	4
Field Thermal Spraying (Metallizing) Structural Steel No. 1	L Sum	1
Acrylic Coating	Sq. Yd.	307
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1,088
Structural Steel Removal	Pound	4,120
Containment and Disposal of Non-Lead Paint Cleaning Residues No. 1	L Sum	1
Bar Terminators	Each	228
Jack and Remove Existing Bearings	Each	10
Approach Slab Removal	Sq. Yd.	240
Debris Removal	L Sum	1
Diamond Grinding (Bridge Section)	Sq. Yd.	1,451

GENERAL NOTES:

- 1.) Reinforcement bars designated (E) shall be epoxy coated.
- 2.) Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- 3.) Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system at the Contractor's expense.
- 4.) The Engineer shall show actual locations and size of deck repairs on As-built Plans.
- 5.) Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose detrimental foreign material shall be removed from the surfaces in contact with concrete (SSPC-SP3 standards). 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 paid for according to Article 109.04 of the Standard Specifications.
- 6.) Acrylic Coating shall only be applied to existing and new concrete areas along the top and inside vertical faces of the parapets.
- 7.) Protective Coat shall only be applied to new concrete areas, including the top surface of the Latex Concrete Overlay on the deck and approaches.
- 8.) Concrete Sealer shall be applied according to Section 587 of the Standard Specifications to all exposed faces of the abutments, wingwalls, diaphragms; and to all exposed faces of pier located below the top of the cap.
- 9.) Metallizing of the existing structural steel shall be as specified in the special provisions for "Field Thermal Spray Metallizing of Existing Structural Steel". All beams and other structural steel within 10 ft. of the deck joints, measured along the beam, shall be cleaned per near white blast cleaning - SSPC-SP10.
- 10.) If the analysis submitted by the Contractor for the jacking/temporary support system to be used shows temporary stiffeners are required to prevent web crippling or buckling, the stiffeners shall be steel and bolted to the web. If stiffeners are not required, hardwood timbers shall be installed tightly between the top and bottom flange to prevent flange rotation.
- 11.) Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.
- 12.) All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
- 13.) All new structural steel and bearing assemblies shall be hot-dip galvanized. See Special Provisions for Hot-Dip Galvanizing for Structural Steel.
- 14.) All concrete related work shall be completed prior to any metallization of structural steel.
- 15.) Quantity displayed in the Bill of Material for Deck Slab Repair (Full Depth, Type I) is not illustrated on the plans, but has been included to account for repairs that may be discovered.
- 16.) Removal of existing approach footing concrete shall be paid for as Concrete Removal.
- 17.) Contractor to design temporary shoring to support the cantilevered length of deck between girder lines 2 and 3 for Stage I traffic during Semi-Integral Abutment modification. To be left in place until the portion of the deck constructed in Stage II is open to traffic. Temporary shoring will not be measured for payment, but shall be included in the contract unit price for the associated work.
- 18.) The Contractor may request copies of existing construction plans that are currently on file with the Department. The request shall be in writing with the understanding that any reproduction cost will be at the Contractor's expense at no additional cost to the Department.

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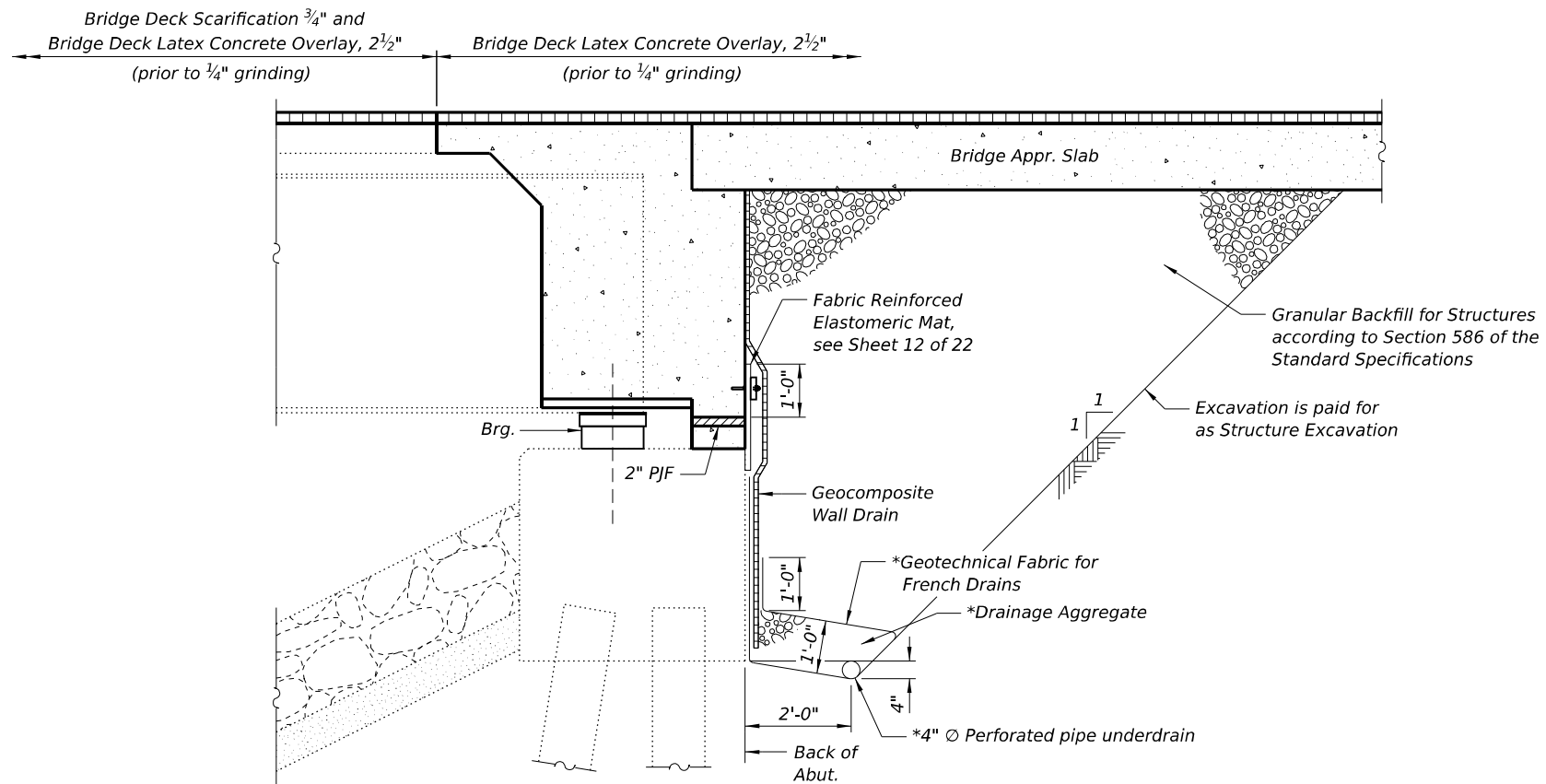
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA AND MISCELLANEOUS DETAILS
STRUCTURE NO. 101-0165**

SCALE: SHEET 2 OF 22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	12
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

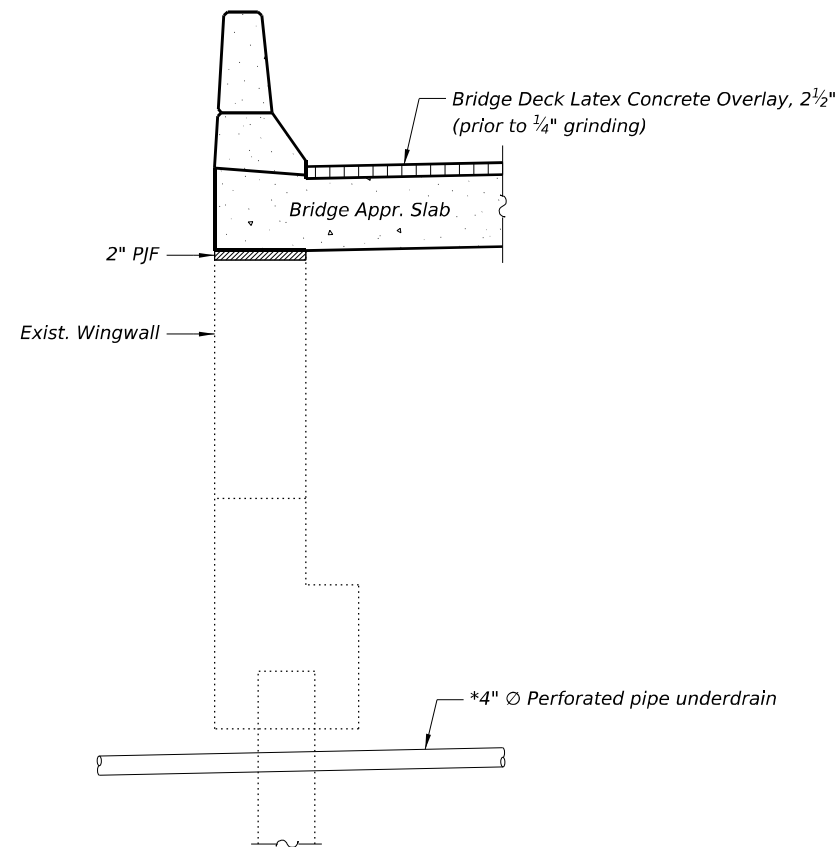


SECTION THRU SEMI-INTEGRAL ABUTMENT

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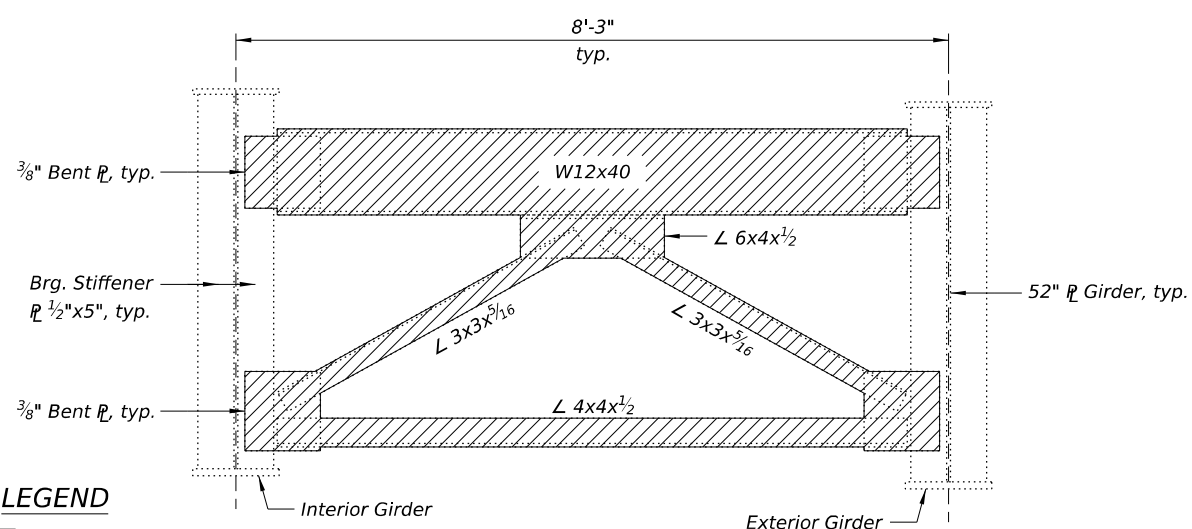
Notes:

- 1.) *Included in the cost of Pipe Underdrains for Structures, see Special Provisions.
- 2.) All drainage system components shall extend to 2'-0" from the outside face of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



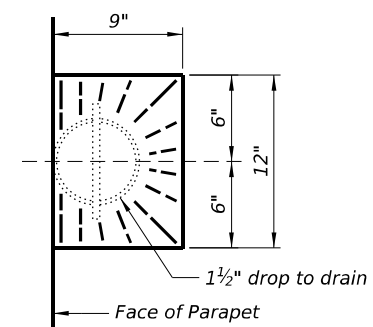
SECTION THRU ABUTMENT WINGWALL

(Horiz. dim. at Rt. L's)



TYPICAL END CROSS FRAME

For information only, for Field Thermal Spraying (Metallizing) Structural Steel.



TOP PLAN EXISTING FLOOR DRAIN

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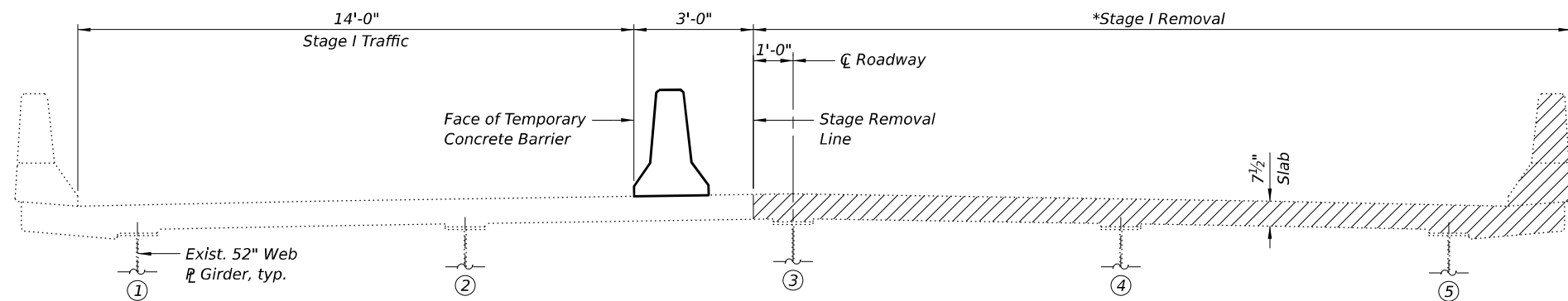
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

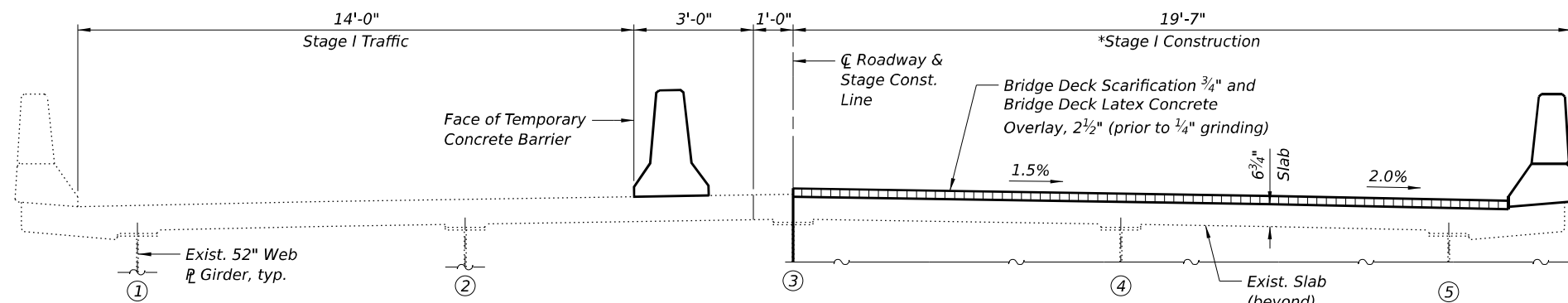
**GENERAL DATA AND MISCELLANEOUS DETAILS
STRUCTURE NO. 101-0165**

SCALE: SHEET 3 OF 22 SHEETS STA. TO STA.

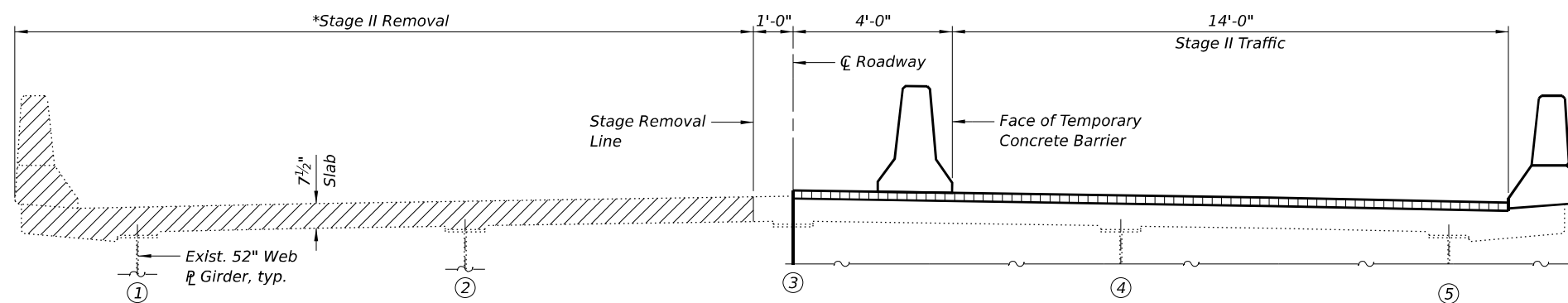
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CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



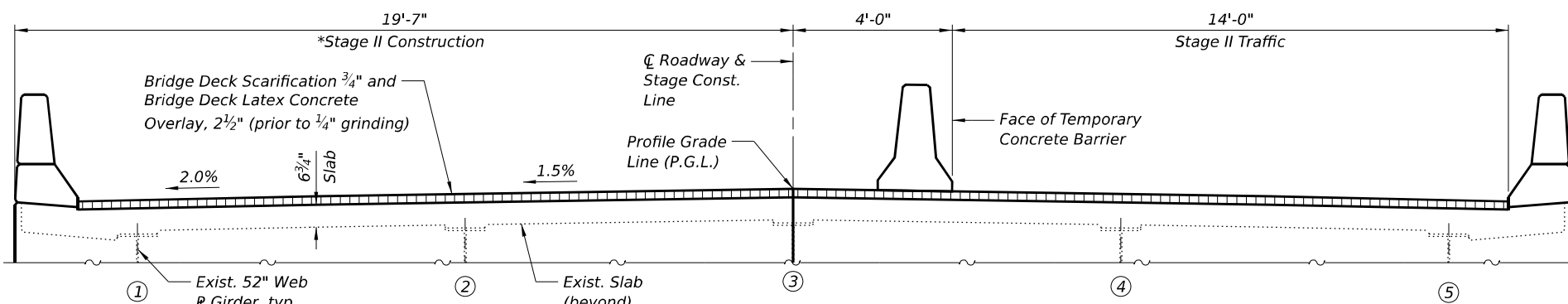
STAGE I REMOVAL
(Looking Southeast)



STAGE I CONSTRUCTION
(Looking Southeast)



STAGE II REMOVAL
(Looking Southeast)



STAGE II CONSTRUCTION
(Looking Southeast)

LEGEND
 Superstructure Removal

- NOTES:**
- 1.) *Stage Removal & Construction for Semi-Integral Abutment modification and Bridge Deck Overlay. See Diaphragm Details for limits of construction.
 - 2.) See Sheet 6 of 22 for Temporary Concrete Barrier. See Roadway Plans for quantity.

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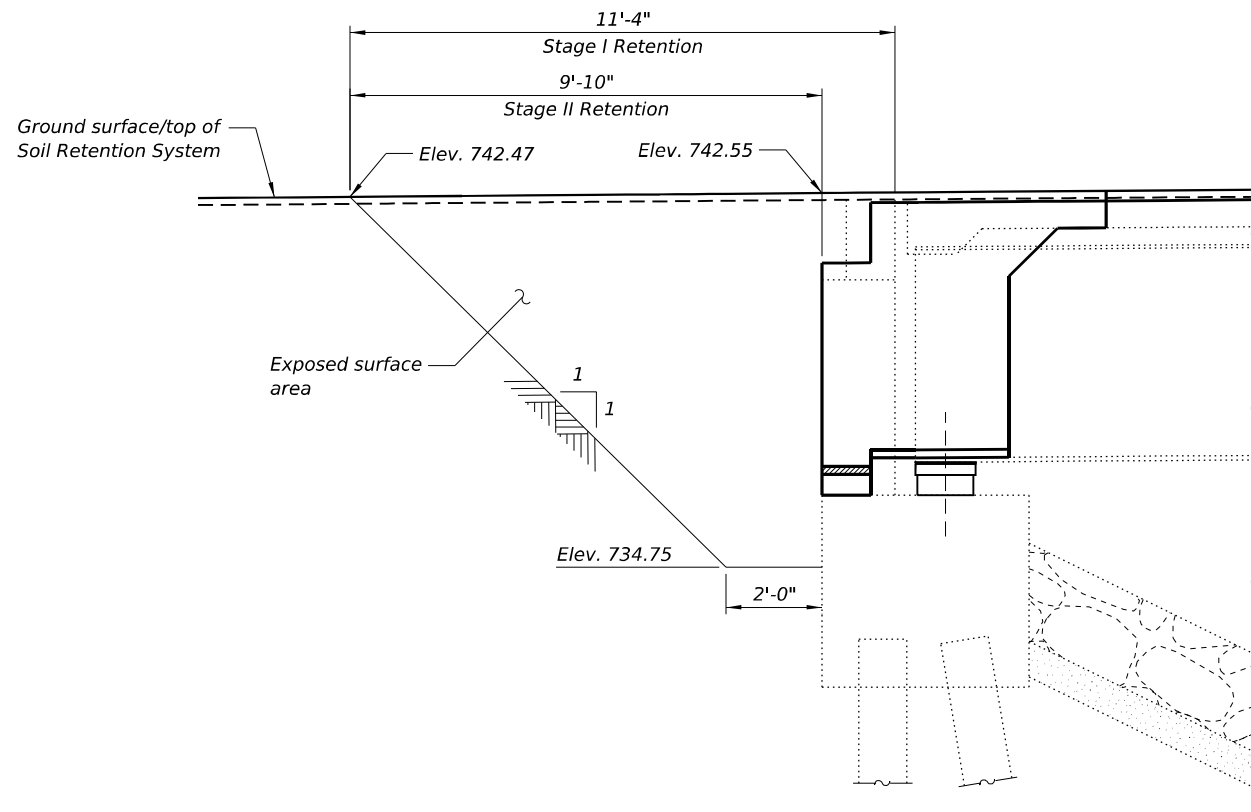
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 101-0165

SCALE: SHEET 4 OF 22 SHEETS STA. TO STA.

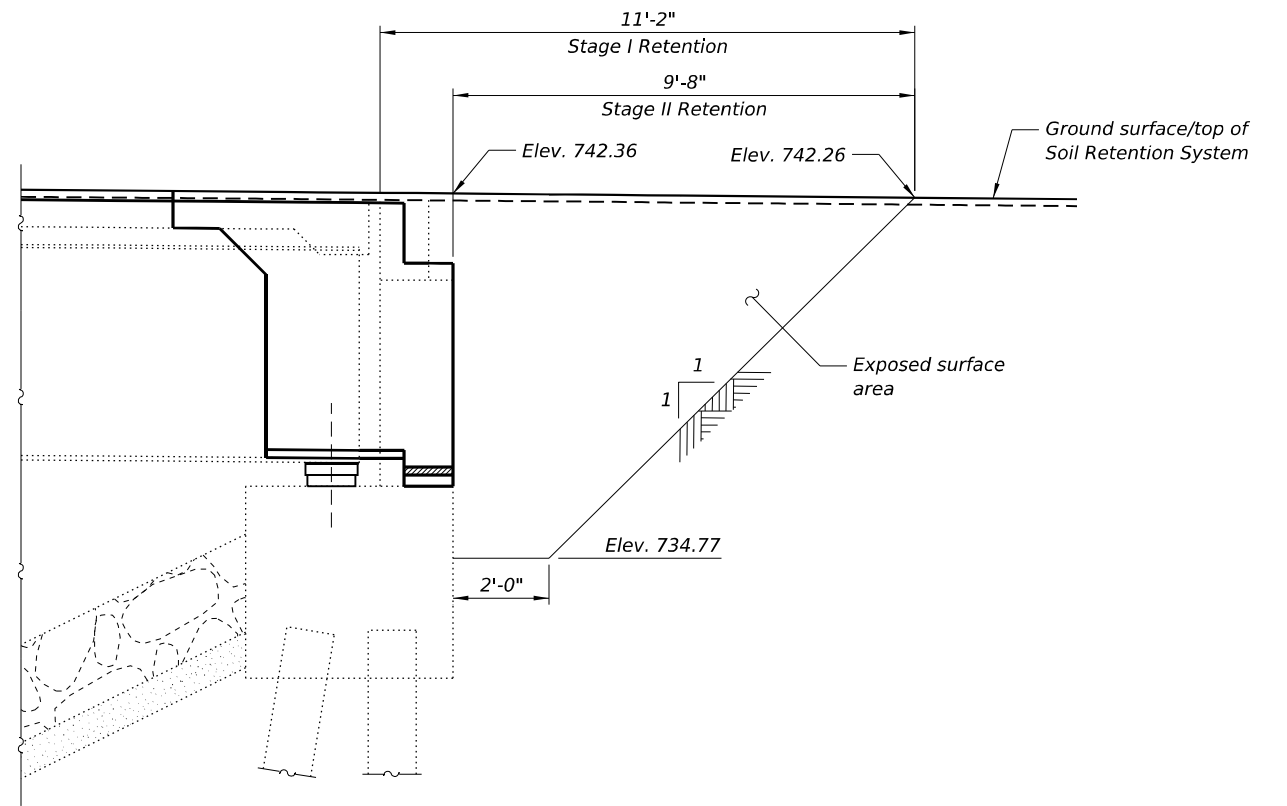
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55	(102BR-4)BJR	WINNEBAGO	47	14
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



WEST ABUTMENT TEMPORARY SOIL RETENTION SYSTEM

WEST ABUTMENT BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	55



EAST ABUTMENT TEMPORARY SOIL RETENTION SYSTEM

EAST ABUTMENT BILL OF MATERIAL

Item	Unit	Total
Temporary Soil Retention System	Sq. Ft.	53

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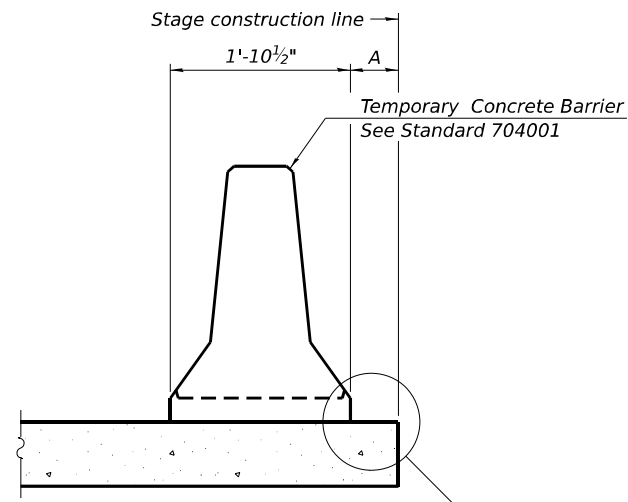
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SOIL RETENTION SYSTEM
STRUCTURE NO. 101-0165**

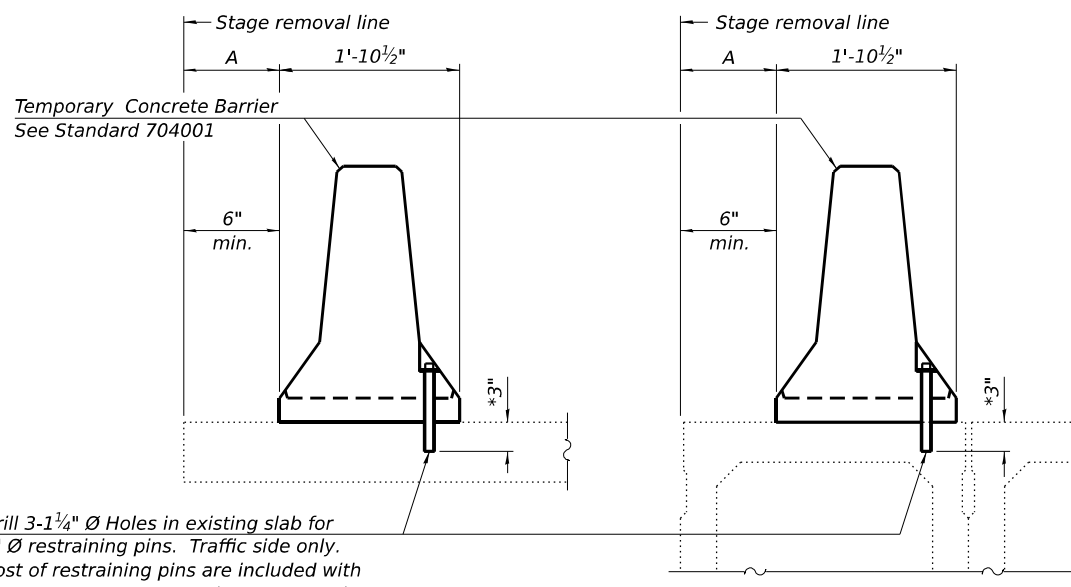
SCALE: SHEET 5 OF 22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	15
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



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

NEW SLAB OR NEW DECK BEAM



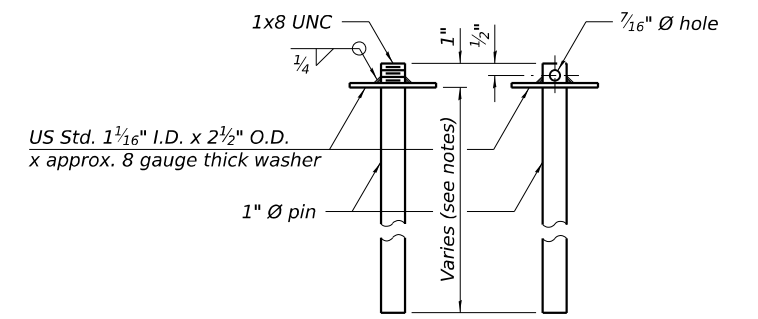
Drill 3-1 1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

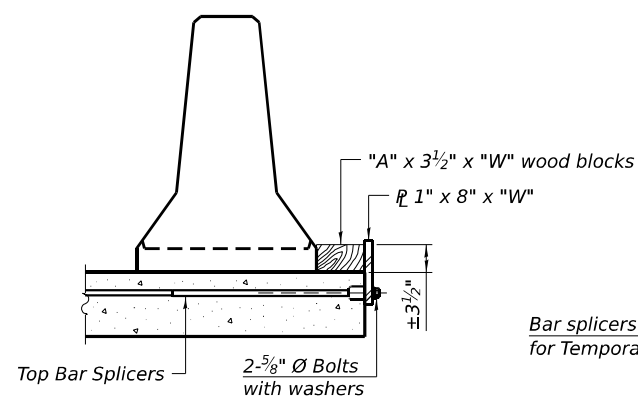
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

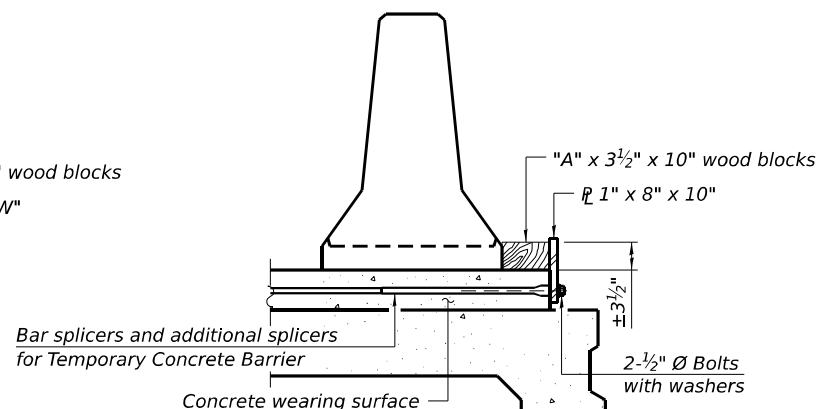
SECTIONS THRU SLAB OR DECK BEAM



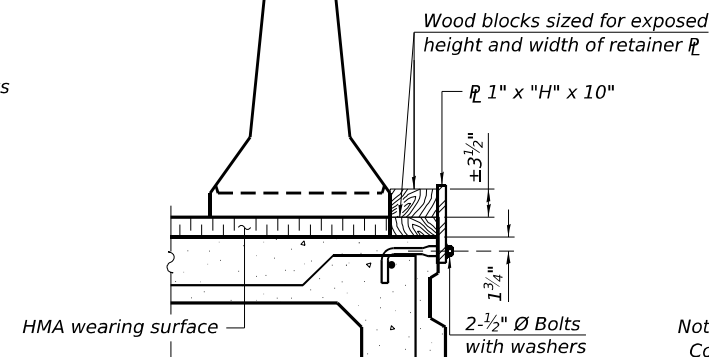
RESTRAINING PIN



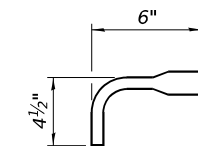
DETAIL I



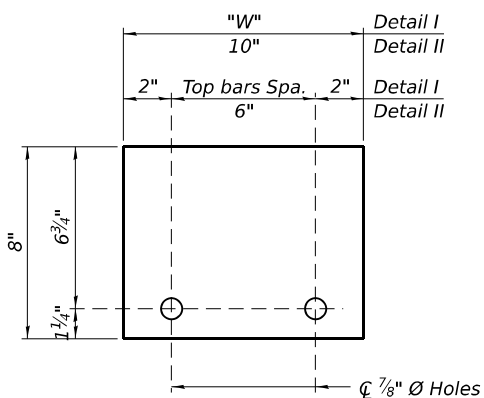
DETAIL II



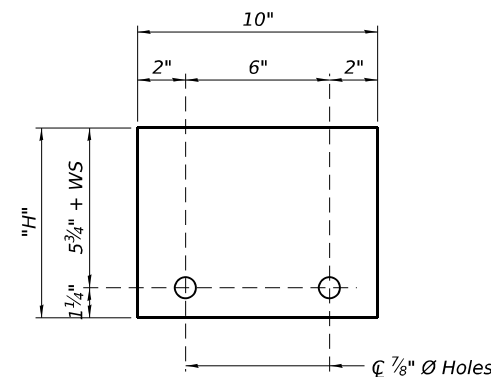
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

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

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

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27

5-15-2023

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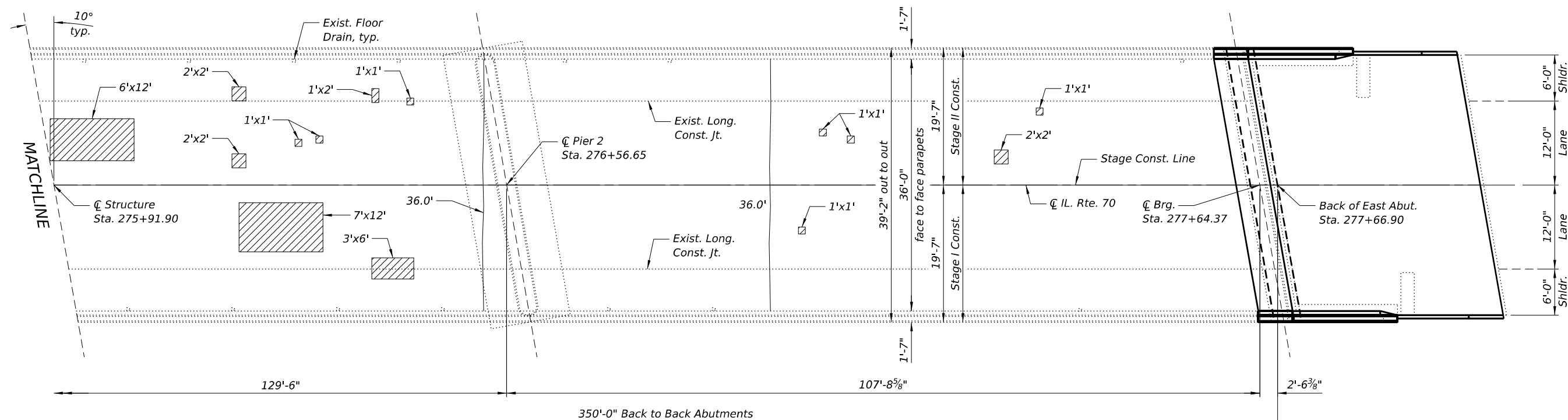
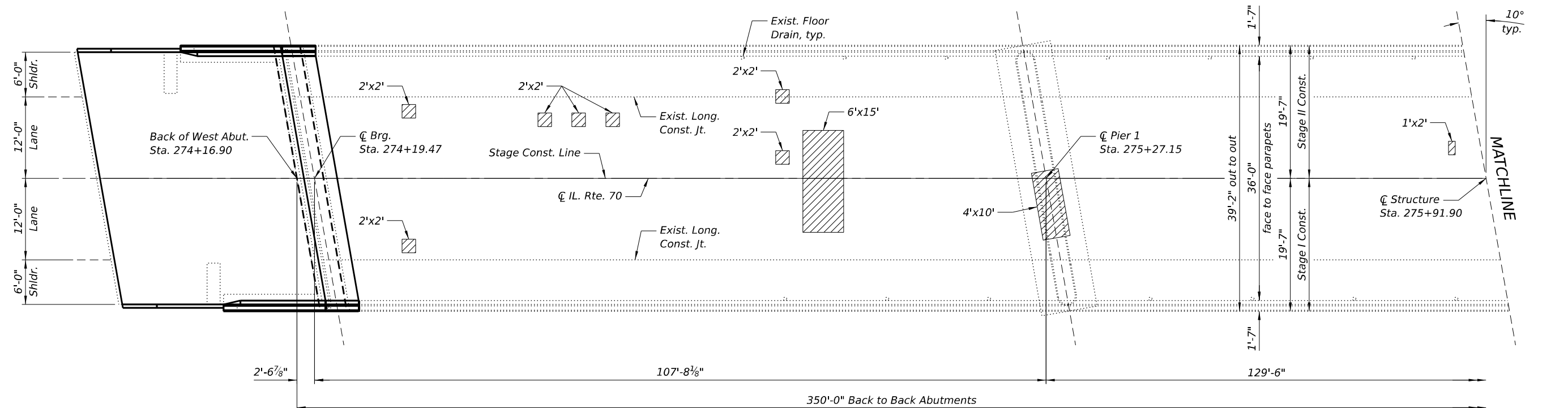
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

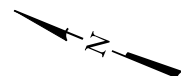
TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 101-0165

SCALE: SHEET 6 OF 22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	16
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



PLAN



LEGEND

- *Bridge Deck Concrete Crack Sealer
- *Deck Slab Repair (Partial)

NOTES:

- 1.) The repair areas shown are estimated based on field inspections conducted in December 2025. The actual repair areas required shall be verified according to the special provisions, and documented by the Engineer on the As Built plan sheet.
- 2.) *Areas of Bridge Deck Concrete Crack Sealer and Deck Slab Repair (Partial) are for information only. Cost included with Bridge Deck Latex Concrete Overlay, 2 1/2".

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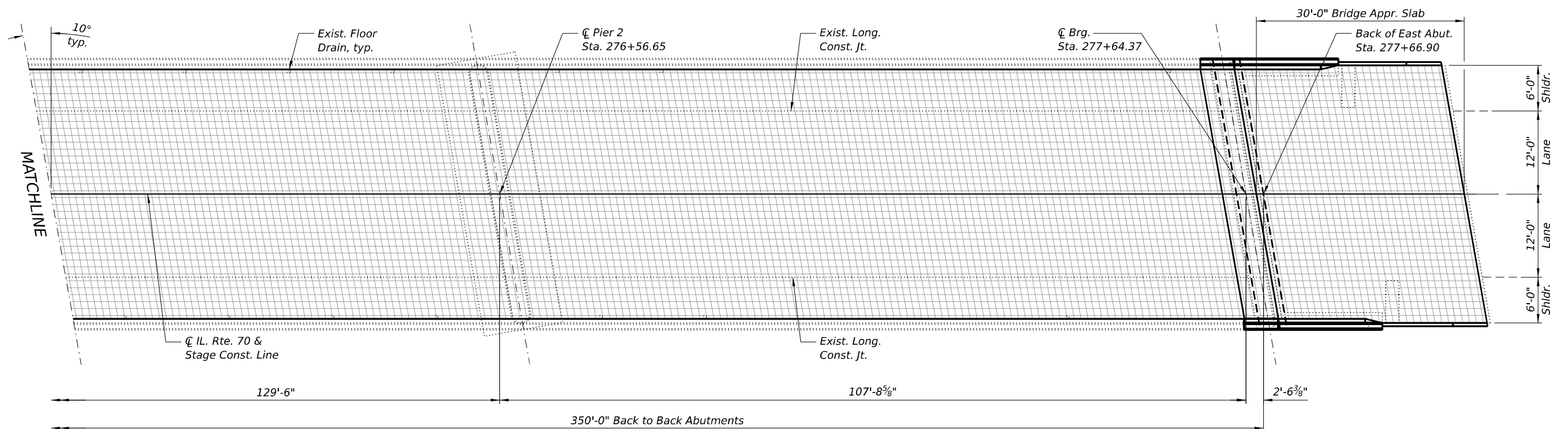
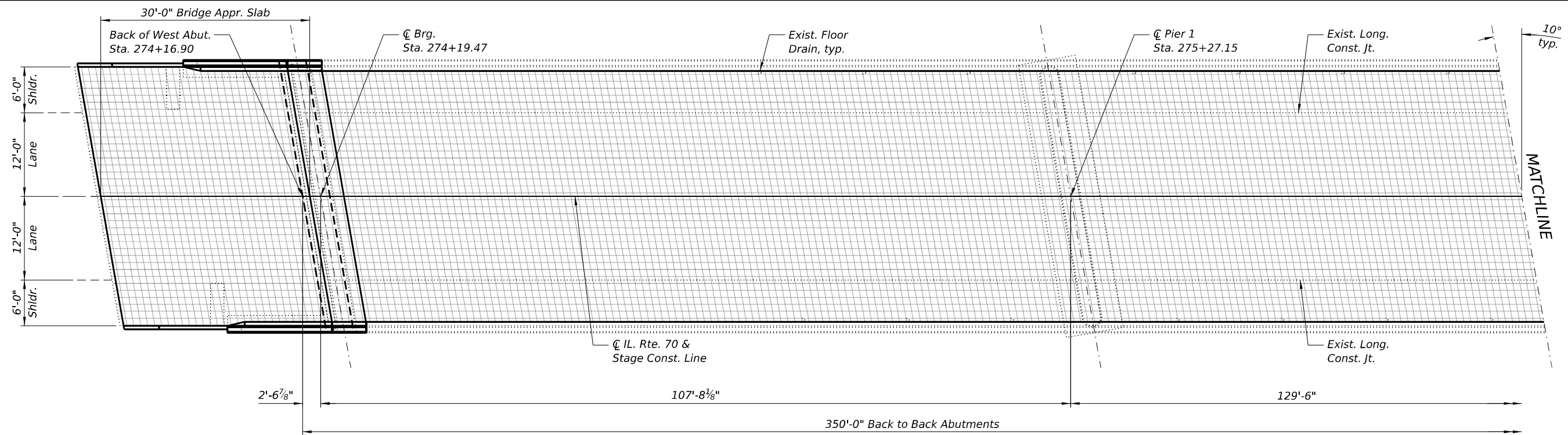
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	DRAWN - DJM	REVISED -
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PLOT DATE = 2/26/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

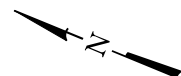
**DECK SLAB REPAIRS
STRUCTURE NO. 101-0165**

SCALE: SHEET 7 OF 22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	17
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



PLAN



NOTES:

- 1.) The Engineer shall record the Top of Deck As Built deck slab repair areas on this sheet.
- 2.) The reference grid was drawn in 1' transverse and longitudinal increments.

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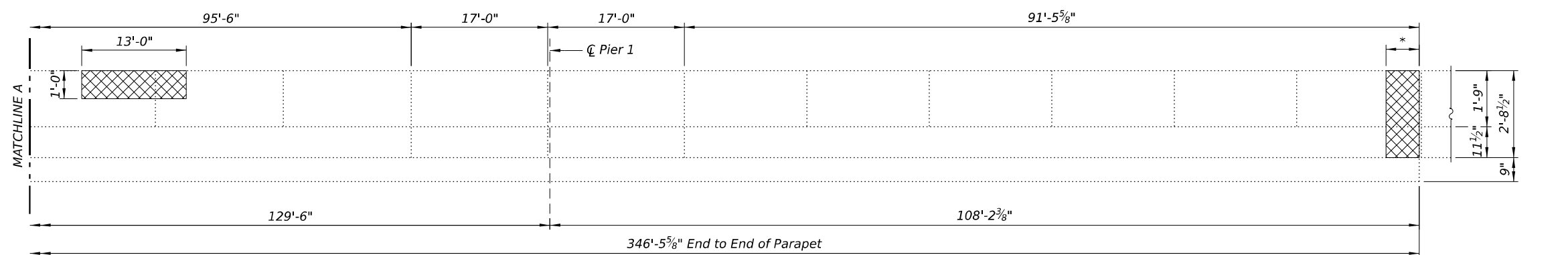
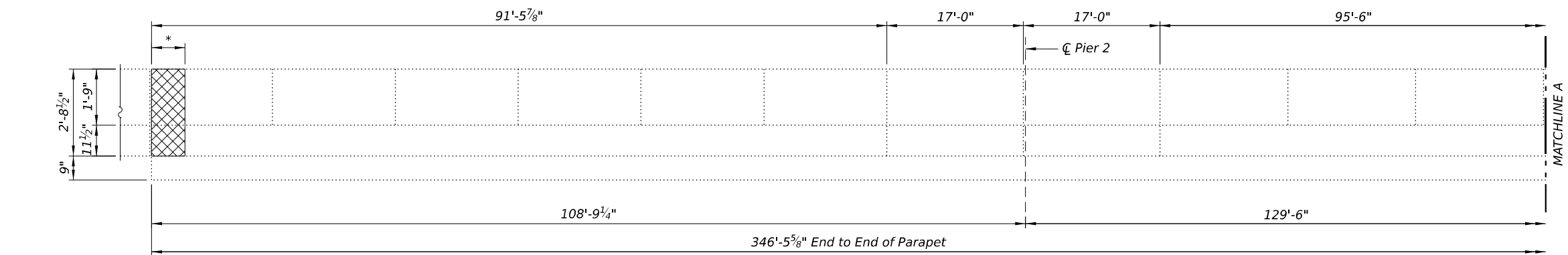
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

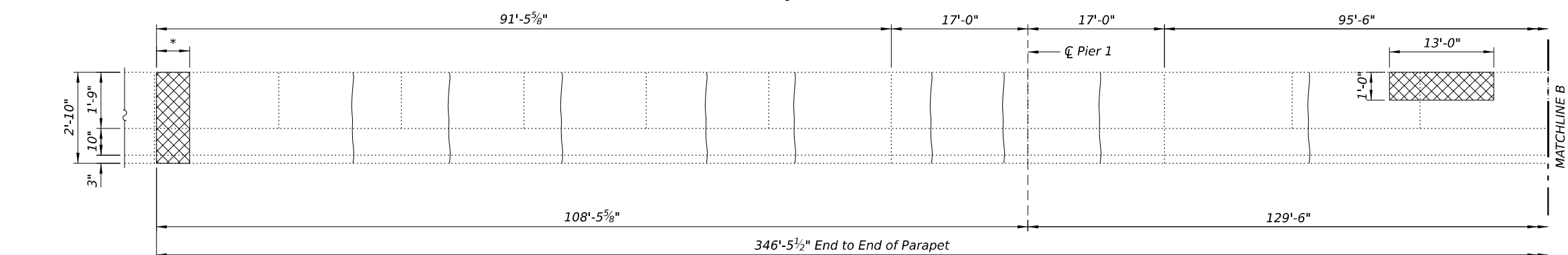
**DECK SLAB REPAIRS - AS BUILT
STRUCTURE NO. 101-0165**

SCALE: SHEET 8 OF 22 SHEETS STA. TO STA.

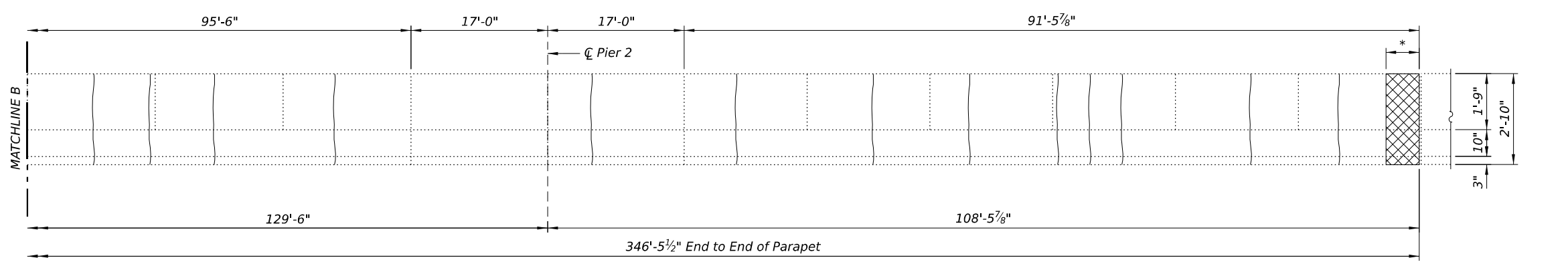
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	18
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				




ELEVATION - OUTSIDE FACE OF NORTH PARAPET
(Looking South)




ELEVATION - INSIDE FACE OF NORTH PARAPET
(Looking North)



LEGEND

 Structural Repair of Concrete (Depth Greater than 5 inches)

 L.F. Epoxy Crack Injection

BILL OF MATERIAL

Item	Unit	Total
Epoxy Crack Injection	Foot	66
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	13

- NOTES:**
- The repair areas shown are estimated based on field inspections conducted in December 2025. The actual repair areas required shall be verified according to the special provisions.
 - *See Superstructure Removal on Sheet 11 of 22.

MODEL: 1010165-64U90-SvrBorder [Sheet]
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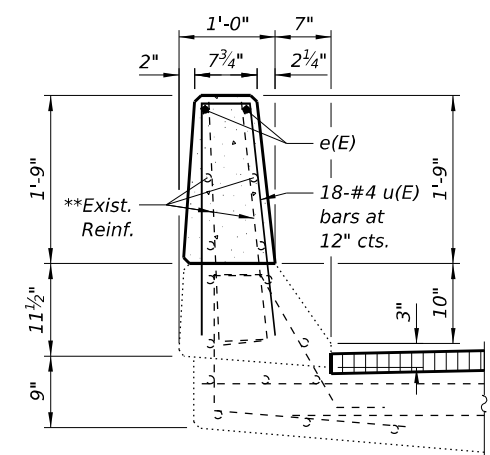
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

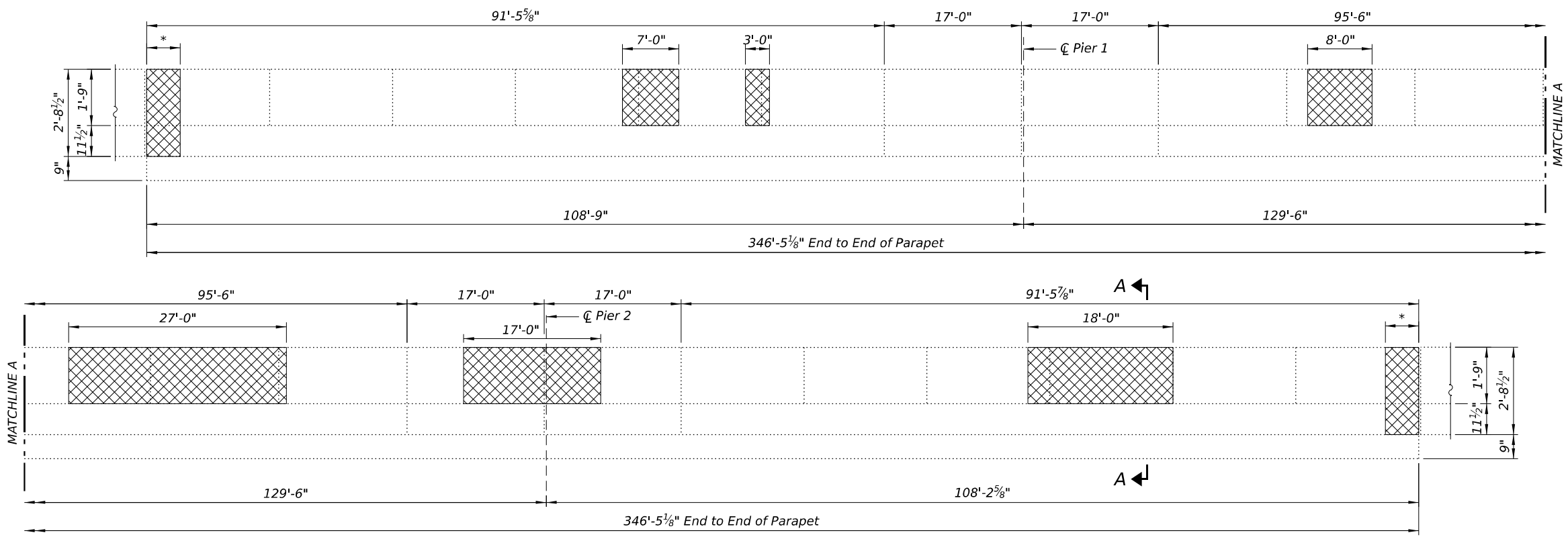
PARAPET REPAIRS DETAILS
STRUCTURE NO. 101-0165

SCALE: SHEET 9 OF 22 SHEETS STA. TO STA.

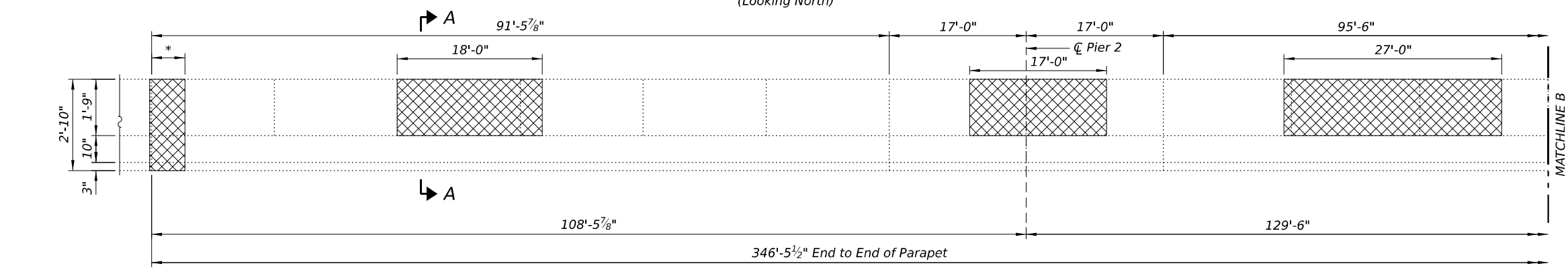
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



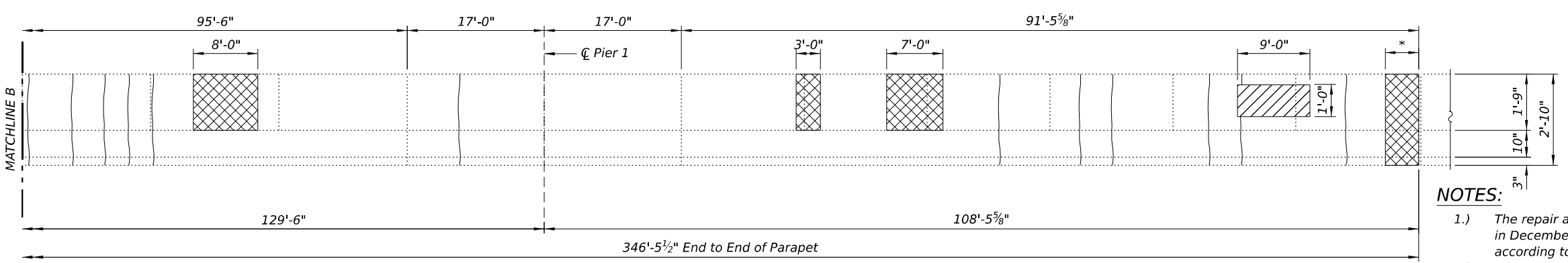
SECTION A-A



ELEVATION - OUTSIDE FACE OF SOUTH PARAPET
(Looking North)



ELEVATION - INSIDE FACE OF SOUTH PARAPET
(Looking South)



LEGEND

Structural Repair of Concrete (Depth Equal to or Less than 5 inches)

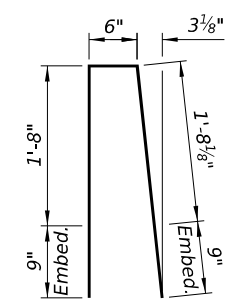
Structural Repair of Concrete (Depth Greater than 5 inches)

L.F. Epoxy Crack Injection

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
e(E)	2	#4	17'-8"	—
u(E)	18	#4	5'-4"	∩

Item	Unit	Quantity
Reinforced Bars, Epoxy Coated	Pound	90
Epoxy Crack Injection	Foot	36
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	9
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	140



BAR u(E)

- NOTES:**
- The repair areas shown are estimated based on field inspections conducted in December 2025. The actual repair areas required shall be verified according to the special provisions.
 - *See Superstructure Removal on Sheet 11 of 22.
 - Drill & epoxy grout #4 u(E) bars 9" min. into existing concrete according to Section 584 of the Standard Specifications.
 - **Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Cost shall be included with Structural Repair of Concrete (Depth Greater Than 5 Inches).
 - Any reinforcement bars that are damaged shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Structural Repair of Concrete (Depth Greater Than 5 Inches).

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PLOT DATE = 2/26/2026	DATE - 02/26/2026	REVISED -

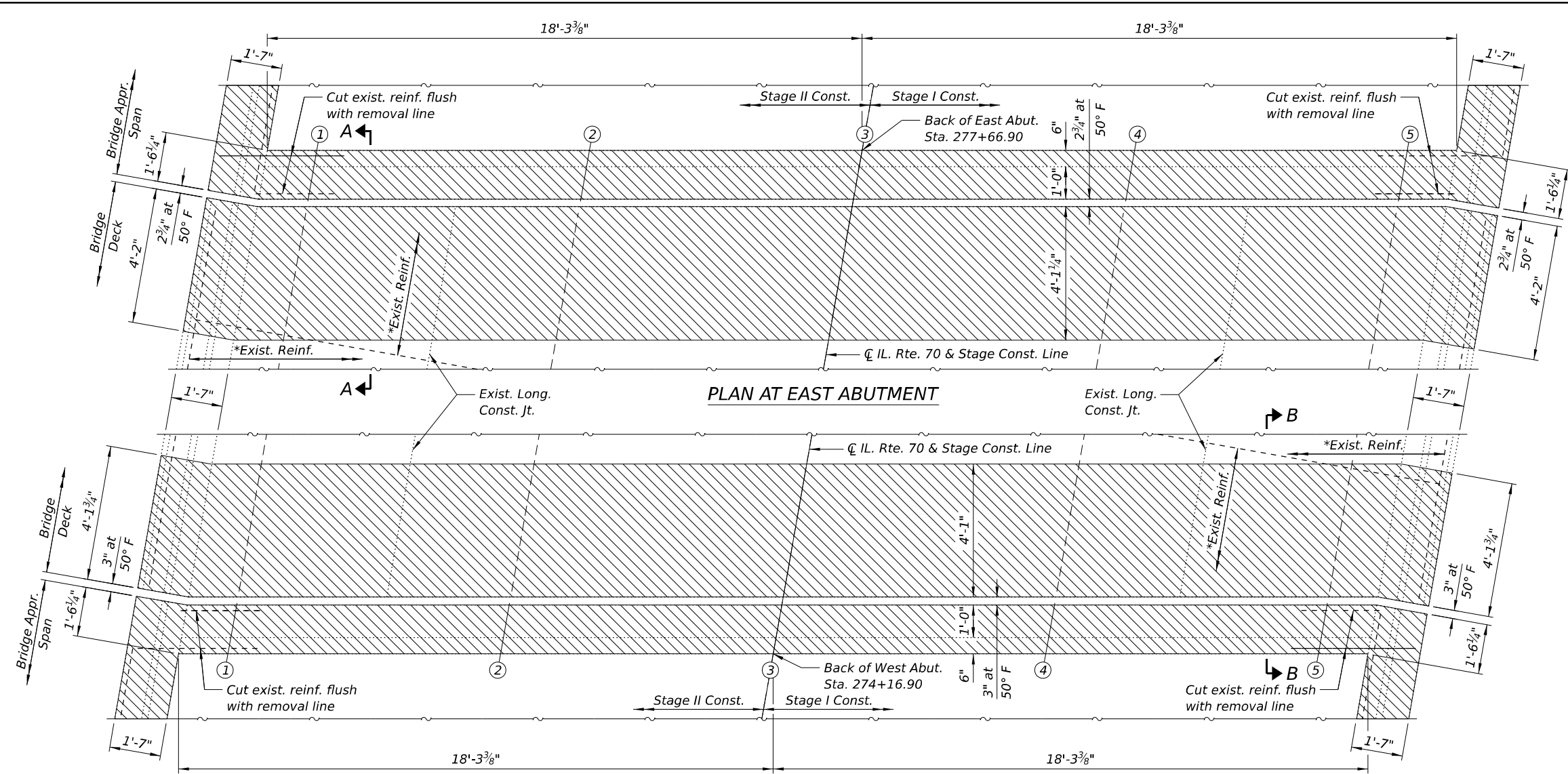
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PARAPET REPAIR DETAILS
STRUCTURE NO. 101-0165

SCALE: SHEET 10 OF 22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	20

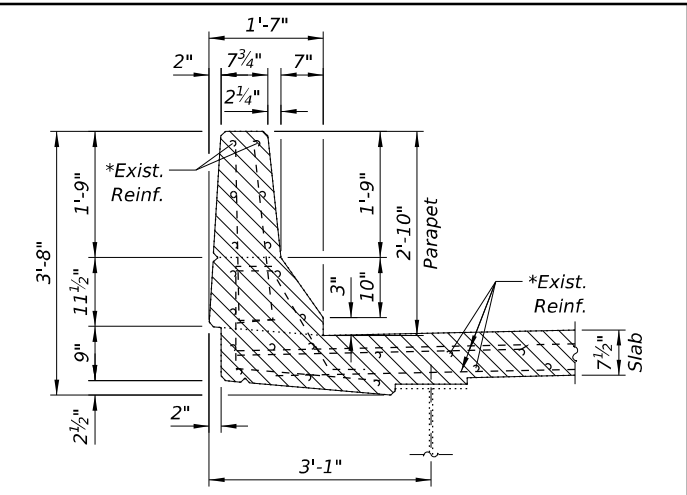
CONTRACT NO. 64U90
ILLINOIS FED. AID PROJECT



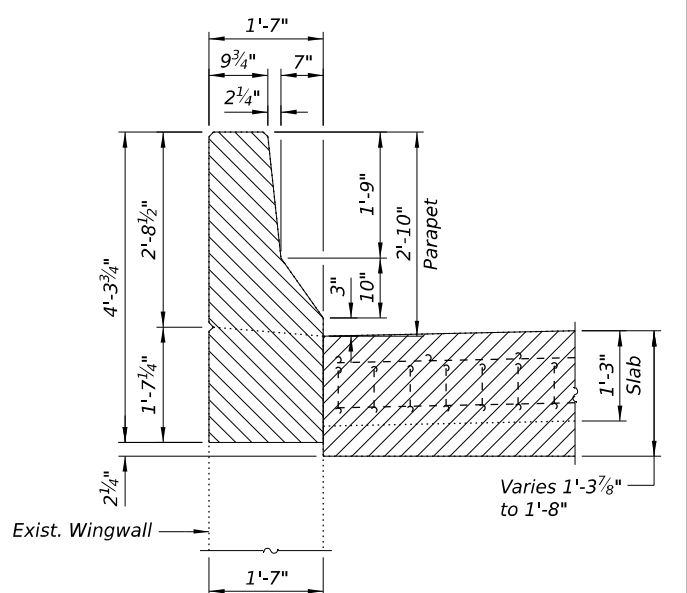
PLAN AT EAST ABUTMENT

PLAN AT WEST ABUTMENT

PARTIAL PLAN SHOWING CONCRETE REMOVAL
Exist. Reinf. in parapet and Exist. Transverse Reinf. in deck not shown for clarity.



SECTION THRU PARAPET AT MAIN SPAN



SECTION THRU PARAPET AT APPROACH SPAN

LEGEND

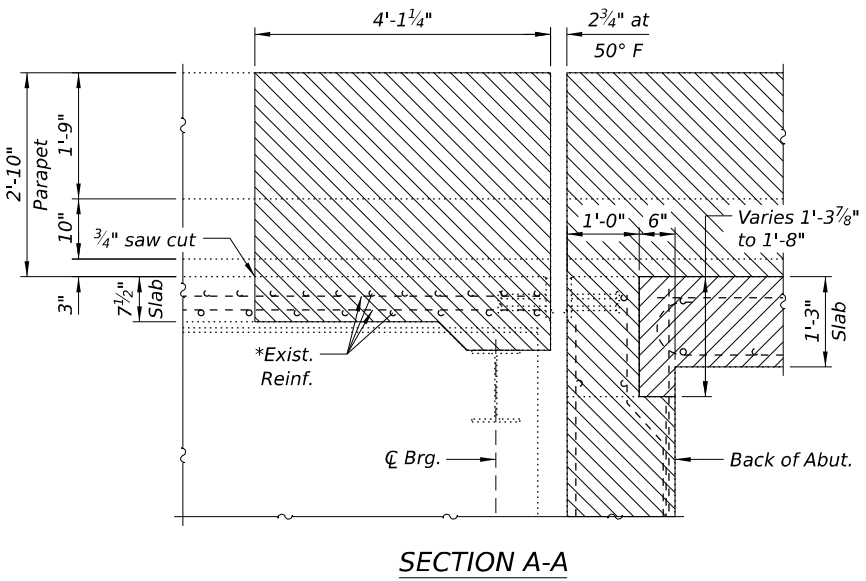
- Concrete Removal
- Approach Slab Removal

BILL OF MATERIAL

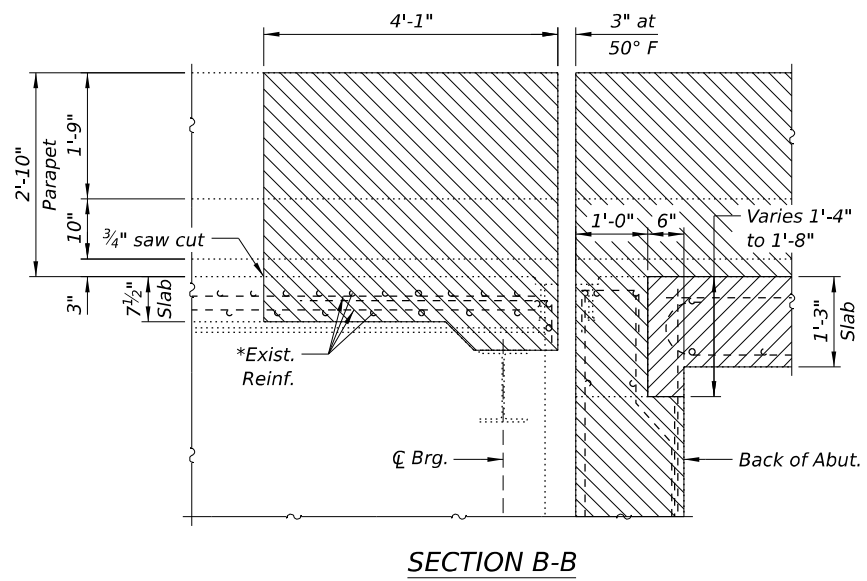
Item	Unit	Total
Concrete Removal	Cu. Yd.	69.6

NOTES:

- 1.) *Existing reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Cost shall be included with Concrete Removal.
- 2.) Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included with Concrete Removal.
- 3.) Existing transverse reinforcement in the deck shall extend a minimum of 2'-6" into the new construction.



SECTION A-A



SECTION B-B

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE REMOVAL DETAILS
STRUCTURE NO. 101-0165

SCALE: SHEET 11 OF 22 SHEETS STA. TO STA.

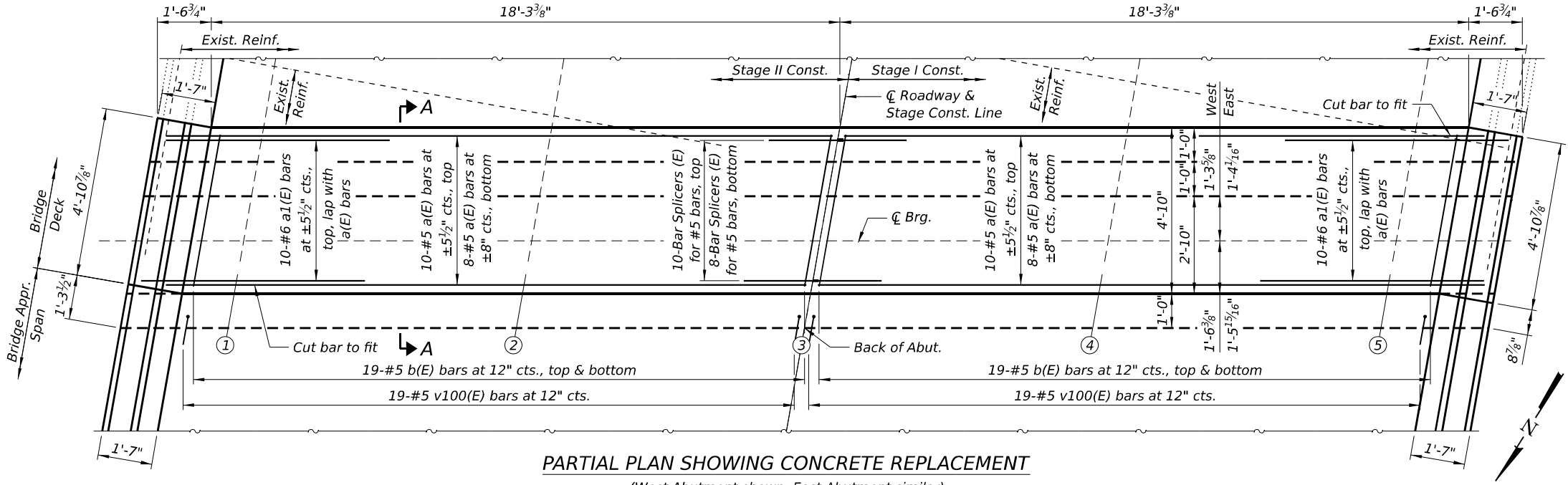
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	21
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

SUPERSTRUCTURE BILL OF MATERIAL

(at both Abutments)

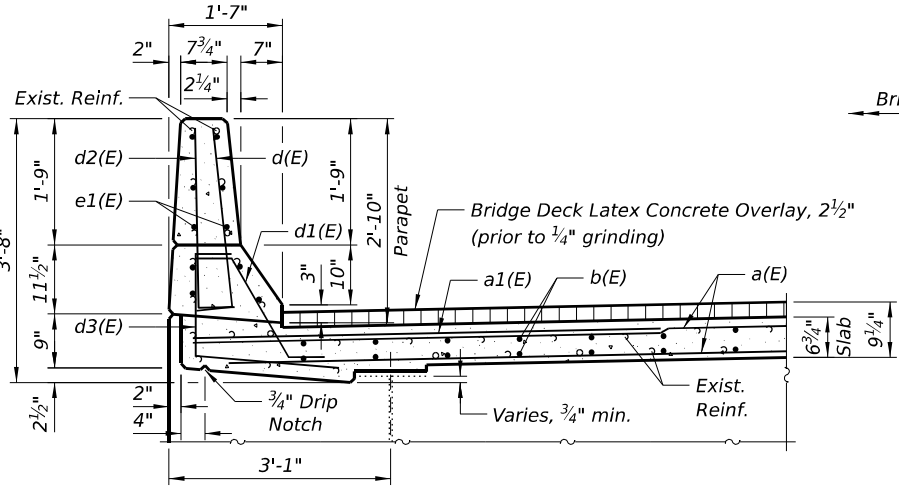
Bar	No.	Size	Length	Shape
a(E)	72	#5	19'-5"	—
a1(E)	40	#6	6'-6"	—
b(E)	152	#5	4'-6"	—
d(E)	24	#5	3'-0"	L
d1(E)	24	#5	2'-7"	↘
d2(E)	24	#4	3'-0"	L
d3(E)	24	#4	3'-11"	L
e1(E)	40	#6	4'-6"	—
m(E)	48	#6	19'-7"	—
m1(E)	32	#6	8'-0"	—
m2(E)	16	#6	2'-9"	—
m3(E)	30	#5	4'-0"	—
s(E)	76	#5	9'-6"	U
s1(E)	76	#5	13'-2"	U
u1(E)	80	#4	3'-8"	U
v(E)	80	#5	1'-8"	L
v100(E)	76	#5	3'-1"	L

Item	Unit	Quantity
Concrete Superstructure	Cu. Yd.	65
Reinforced Bars, Epoxy Coated	Pound	7,450
Bar Splicers	Each	68
Bar Terminators	Each	228

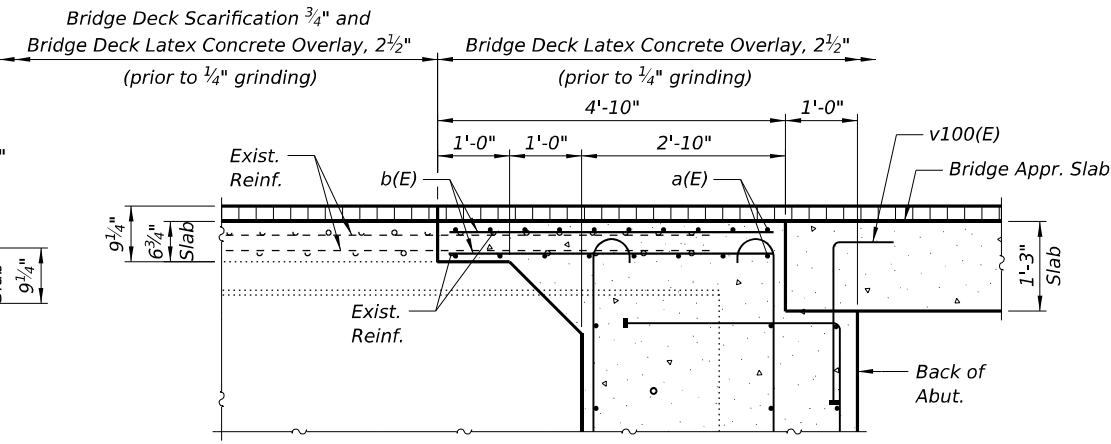


PARTIAL PLAN SHOWING CONCRETE REPLACEMENT

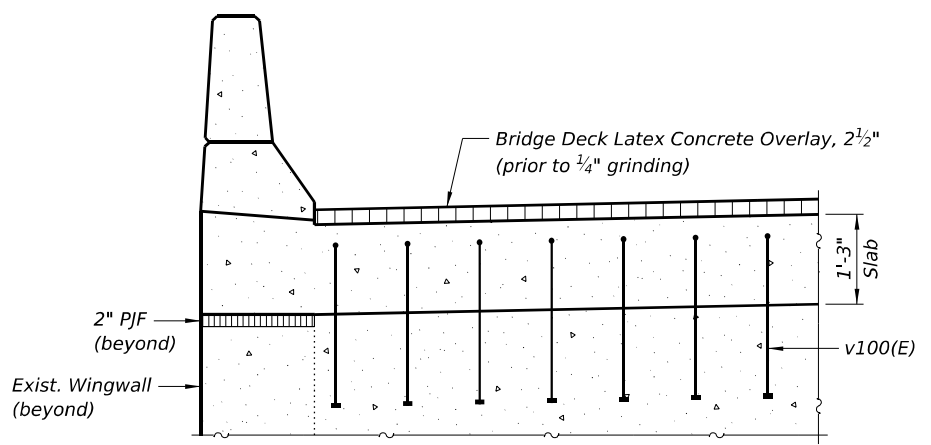
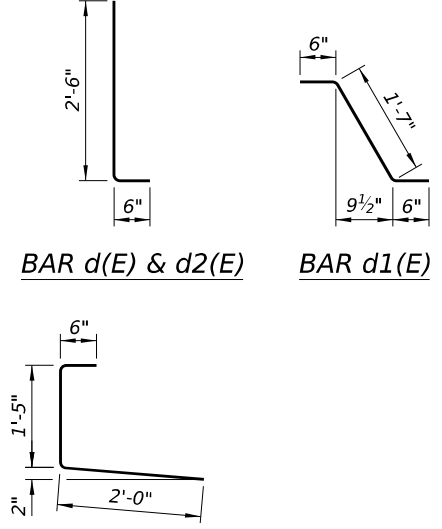
(West Abutment shown, East Abutment similar)
Prop. Reinf. in parapet not shown for clarity.



SECTION THRU PARAPET AT MAIN SPAN

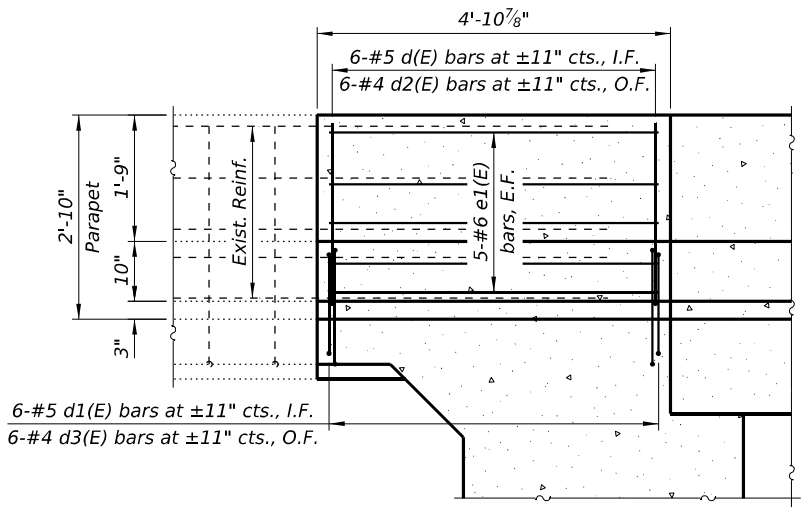


SECTION A-A



SECTION THRU PARAPET AT APPROACH SPAN

Diaphragm and Approach Slab reinf. not shown for clarity.



ELEVATION - INSIDE FACE OF PARAPET

Overlay not shown for clarity.

NOTES:

- 1.) Bar terminators paid for separately. See Total Bill of Material. See special provisions for Bar Splicers, Headed Reinforcement.
- 2.) See Sheet 12 of 22 for Diaphragm Details.
- 3.) See Sheet 21 of 22 for Bar Splicer Details.
- 4.) I.F. denotes Inside Face, O.F. denotes Outside Face, & E.F. denotes Each Face.

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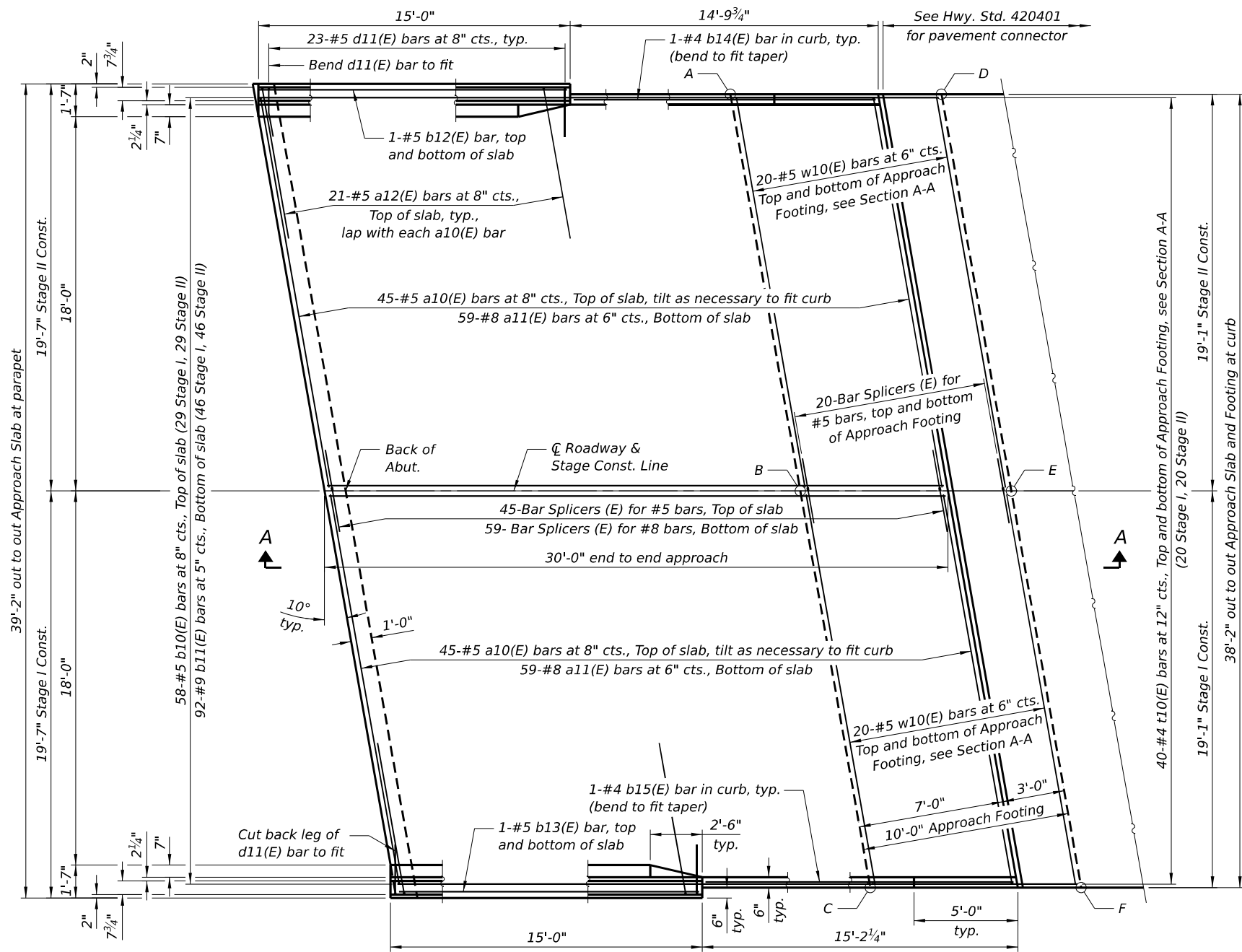
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PLOT DATE = 3/18/2026	DATE = 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUPERSTRUCTURE DETAILS
STRUCTURE NO. 101-0165**

SCALE: SHEET 13 OF 22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	23
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



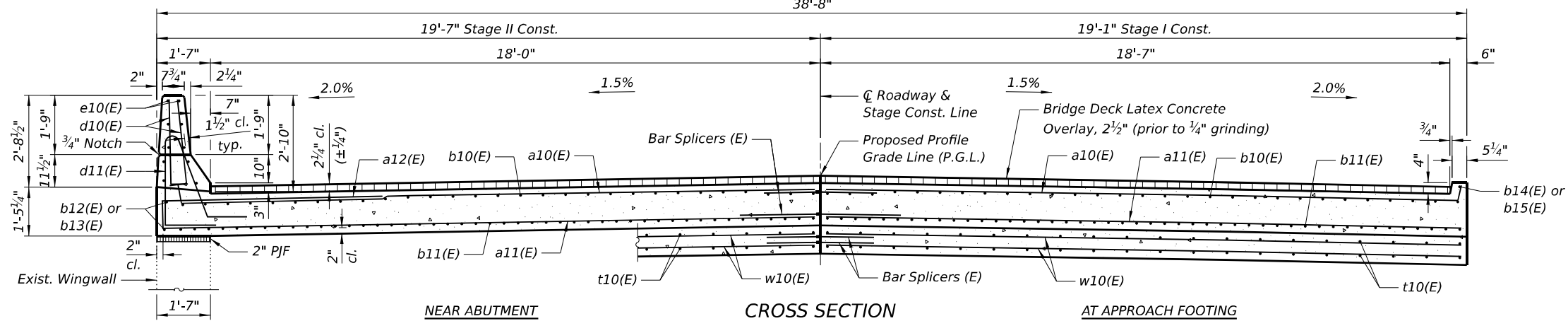
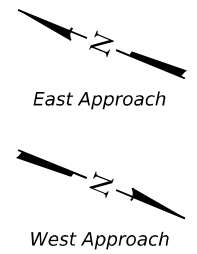
PLAN

(East approach slab shown; West approach slab similar)

**TOP AND BOTTOM ELEVATIONS
FOR APPROACH FOOTING**

Point	West Approach		East Approach	
	Top	Bottom	Top	Bottom
A				
B				
C				
D				
E				
F				

The approach slab shall be placed so that the top of slab shall match the elevation of the bridge deck after the 3/4" scarification. Blank table included for field notation.



NEAR ABUTMENT

CROSS SECTION

AT APPROACH FOOTING

(Looking Southeast)

NOTE:

See Sheet 15 of 22 for Section A-A.

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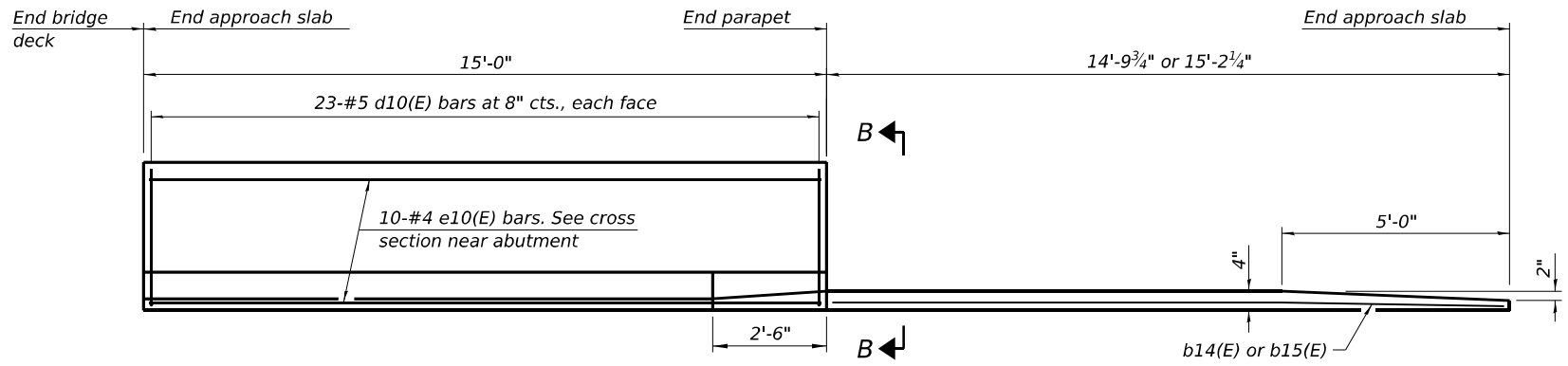
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 101-0165**

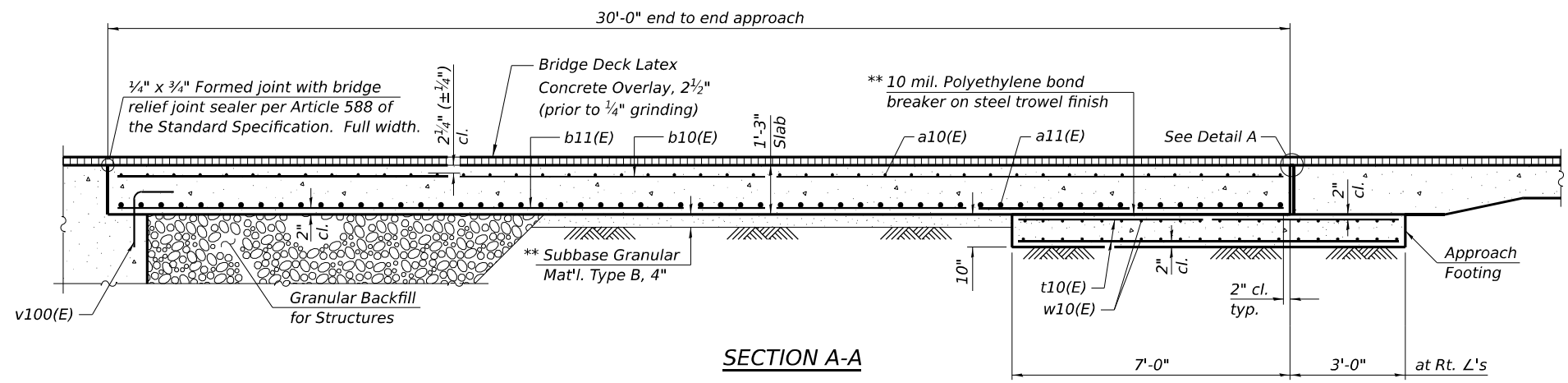
SCALE: SHEET 14 OF 22 SHEETS STA. TO STA.

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CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

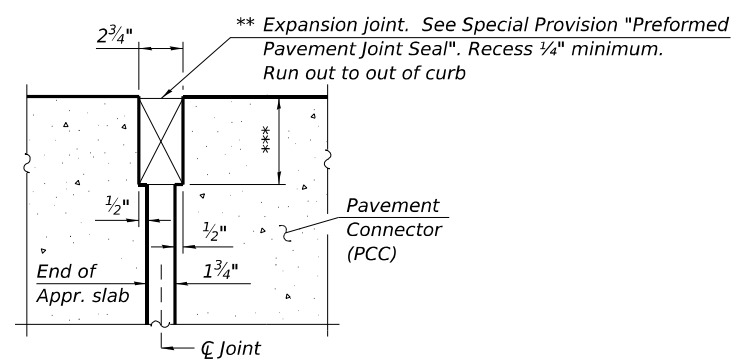


INSIDE ELEVATION OF PARAPET AND CURB

Notes:
 The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
 Parapet concrete shall be paid for as Concrete Superstructure.
 Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
 Approach footing concrete shall be paid for as Concrete Structures.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 3 of 22.



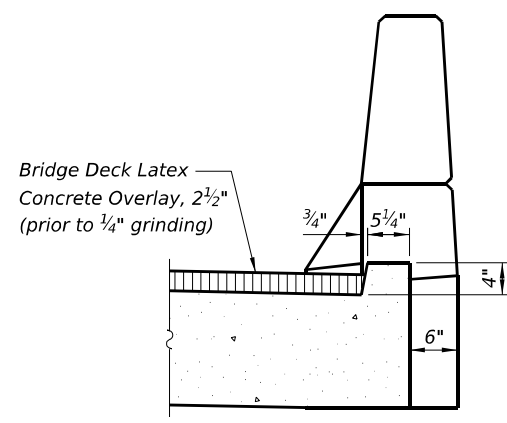
SECTION A-A



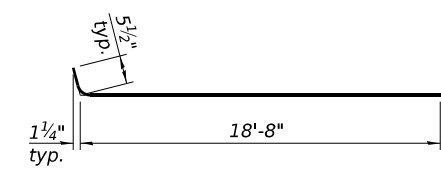
DETAIL A
 (Detail A shown, applies to Highway Standard 420401 only. Detail A for pavement connector (HMA) may be found on Highway Standard 420406.)

** Cost included with Concrete Superstructure (Approach Slab).
 Preformed Pavement Joint Seal shall be Preformed Silicone Joint Seal according to option (c) of the Special Provision for Preformed Pavement Joint Seal.

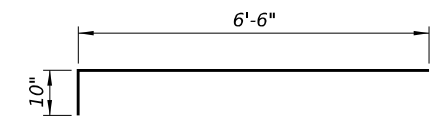
*** Per manufacturer recommendations



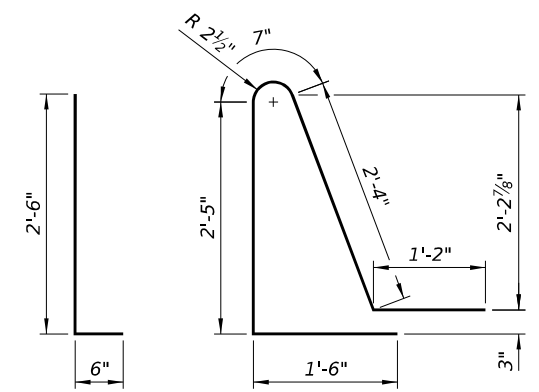
SECTION B-B



BAR a10(E)



BAR a12(E)



BAR d10(E)

BAR d11(E)

**TWO APPROACHES
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a10(E)	180	#5	19'-2"	—
a11(E)	236	#8	18'-9"	—
a12(E)	84	#5	7'-4"	—
b10(E)	116	#5	29'-8"	—
b11(E)	184	#9	29'-8"	—
b12(E)	4	#5	14'-10"	—
b13(E)	4	#5	14'-5"	—
b14(E)	2	#4	14'-6"	—
b15(E)	2	#4	14'-10"	—
d10(E)	184	#5	3'-0"	L
d11(E)	92	#5	8'-0"	L
e10(E)	40	#4	14'-8"	—
t10(E)	160	#4	9'-8"	—
w10(E)	160	#5	19'-1"	—
Item		Unit	Quantity	
Concrete Structures		Cu. Yd.	24	
Concrete Superstructure		Cu. Yd.	7	
Concrete Superstructure (Approach Slab)		Cu. Yd.	107.6	
Reinforced Bars, Epoxy Coated		Pound	44,310	
Bar Splicers		Each	288	
Approach Slab Removal		Sq. Yd.	240	

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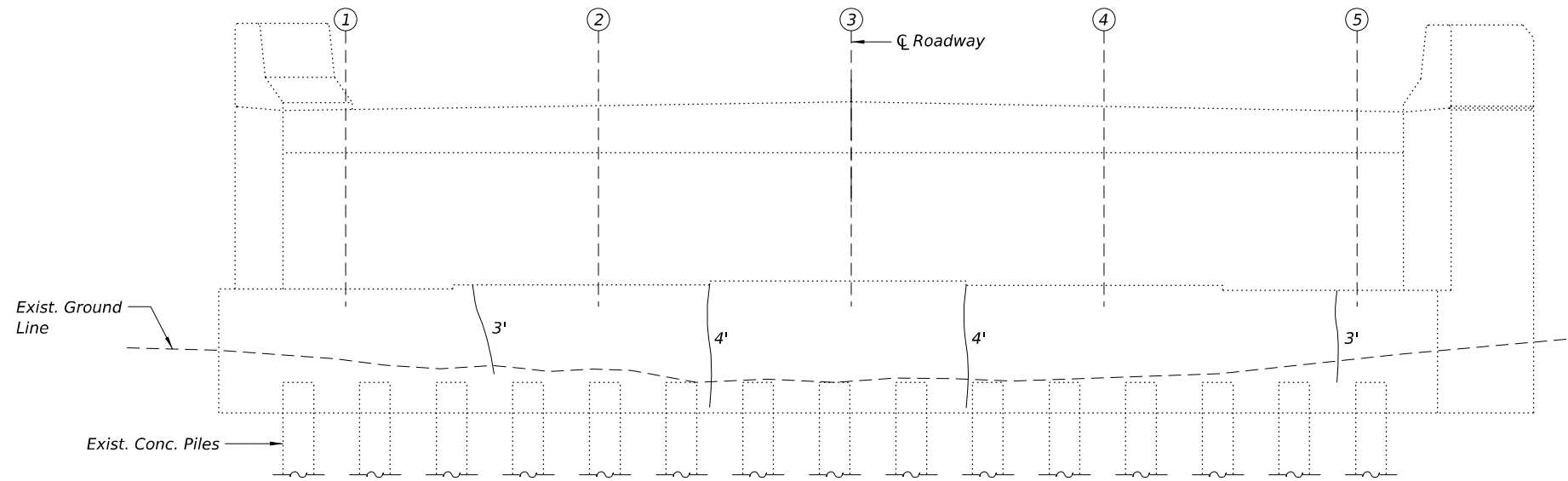
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

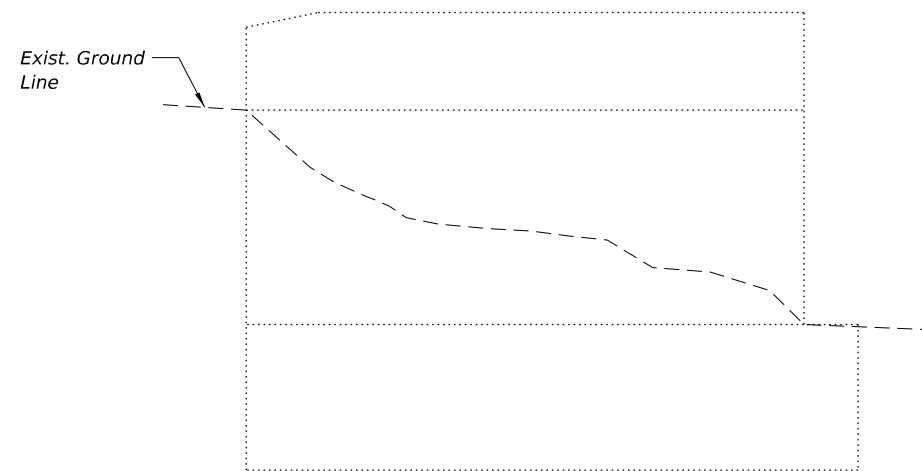
**BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 101-0165**

SCALE: SHEET 15 OF 22 SHEETS STA. TO STA.

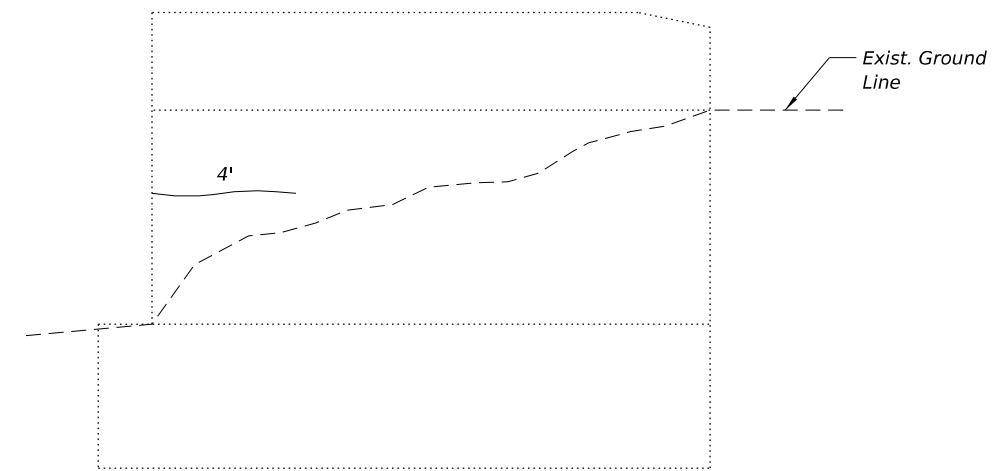
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55	(102BR-4)BJR	WINNEBAGO	47	25
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



WEST ABUTMENT ELEVATION
(Looking West)



SOUTHWEST WINGWALL ELEVATION
(Looking North)



NORTHWEST WINGWALL ELEVATION
(Looking South)

LEGEND
L.F. Epoxy Crack Injection

BILL OF MATERIAL

Item	Unit	Total
Epoxy Crack Injection	Foot	18
Concrete Sealer	Sq. Ft.	367

NOTES:

- 1.) The repair areas shown are estimated based on field inspections conducted in December 2025. The actual repair areas required shall be verified according to the special provisions.
- 2.) Concrete Sealer shall be applied according to Section 587 of the Standard Specifications to all exposed faces of the abutments and wingwalls.

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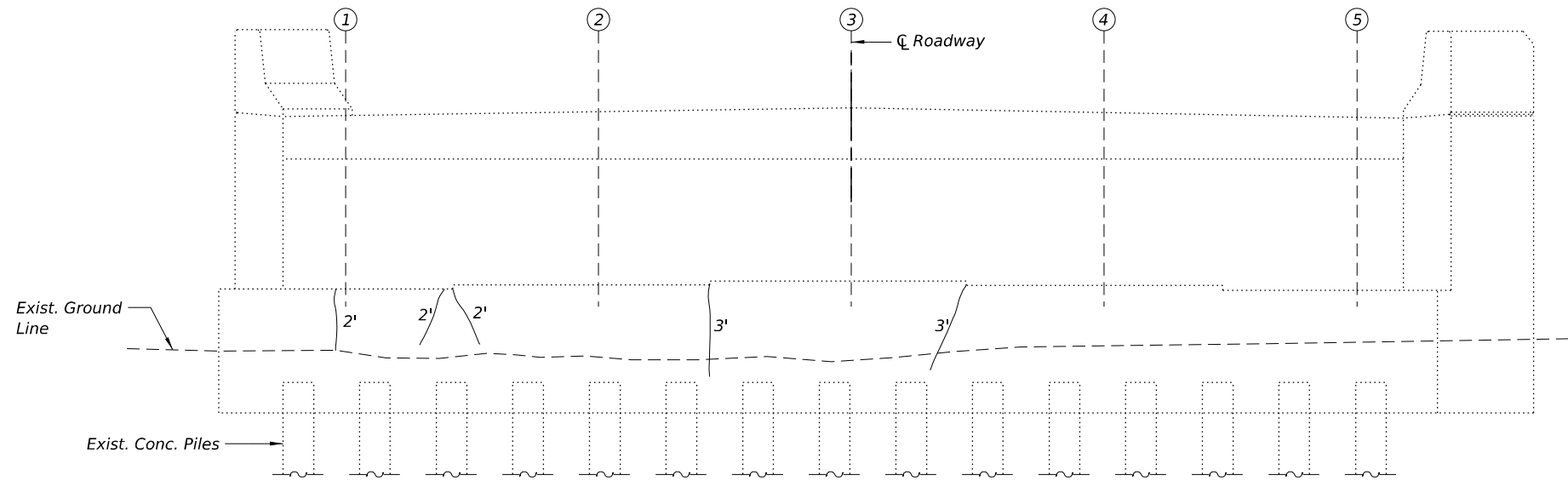
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	DRAWN - DJM	REVISED -
	CHECKED - WWM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

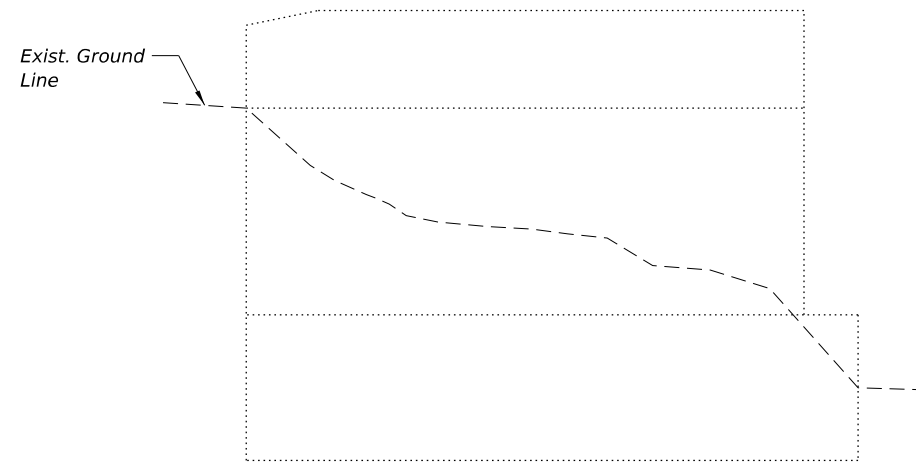
ABUTMENT REPAIR DETAILS
STRUCTURE NO. 101-0165

SCALE: SHEET 16 OF 22 SHEETS STA. TO STA.

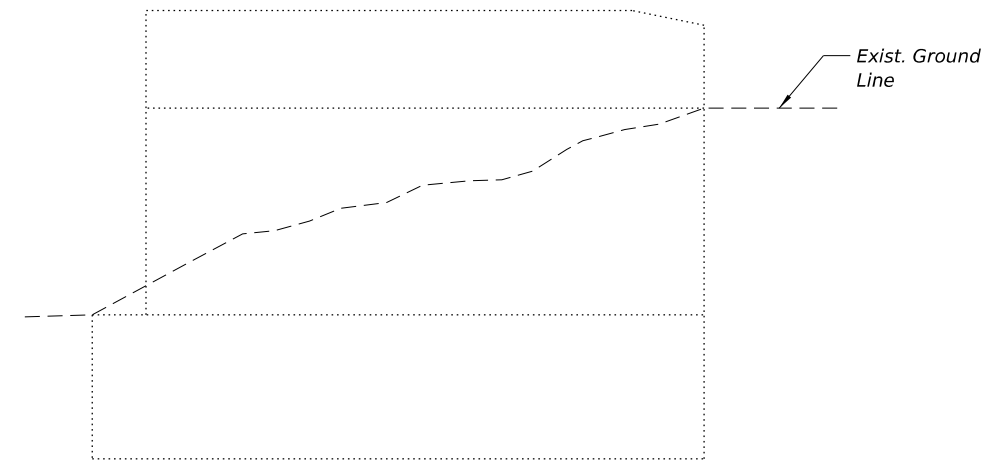
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	26
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



EAST ABUTMENT ELEVATION
(Looking East)



SOUTHEAST WINGWALL ELEVATION
(Looking South)



NORTHEAST WINGWALL ELEVATION
(Looking South)

LEGEND
L.F. Epoxy Crack Injection

BILL OF MATERIAL

Item	Unit	Total
Epoxy Crack Injection	Foot	12
Concrete Sealer	Sq. Ft.	364

NOTES:

- 1.) The repair areas shown are estimated based on field inspections conducted in December 2025. The actual repair areas required shall be verified according to the special provisions.
- 2.) Concrete Sealer shall be applied according to Section 587 of the Standard Specifications to all exposed faces of the abutments and wingwalls.

MODEL: 1010165-64U90-SvrBorder [Sheet]
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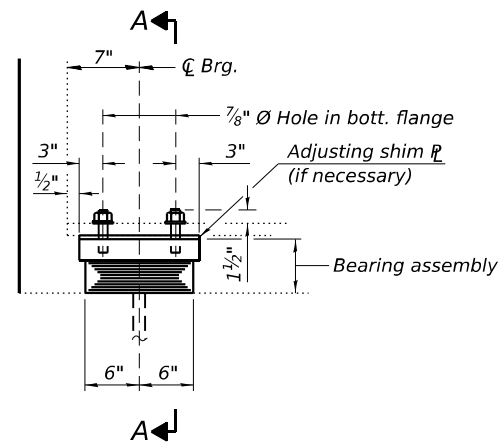
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	DRAWN - DJM	REVISED -
	CHECKED - WWM	REVISED -
PLOT DATE = 2/26/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

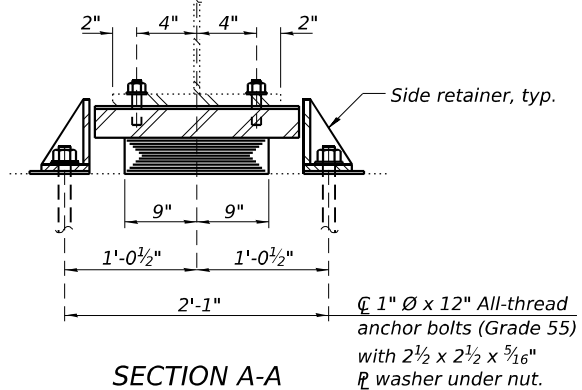
**ABUTMENT REPAIR DETAILS
STRUCTURE NO. 101-0165**

SCALE: SHEET 17 OF 22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	27
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



ELEVATION AT ABUT.

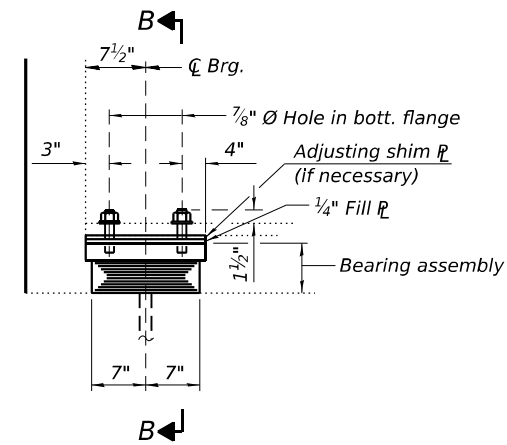


SECTION A-A

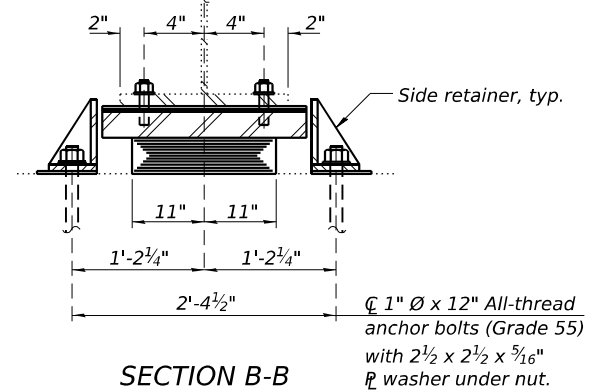
1" \varnothing x 12" All-thread anchor bolts (Grade 55) with 2 1/2 x 2 1/2 x 5/16" \varnothing washer under nut.

TYPE I ELASTOMERIC EXP. BRG.

(East Abutment)



ELEVATION AT ABUT.

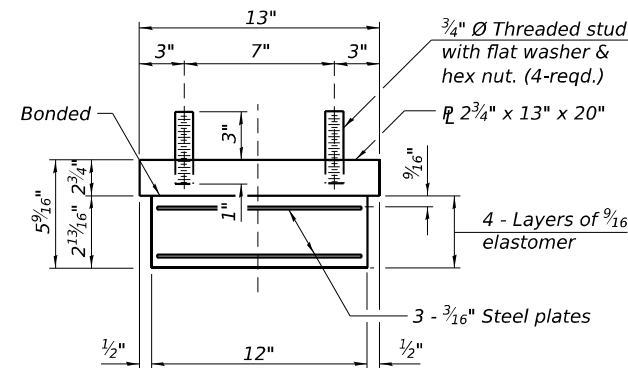


SECTION B-B

1" \varnothing x 12" All-thread anchor bolts (Grade 55) with 2 1/2 x 2 1/2 x 5/16" \varnothing washer under nut.

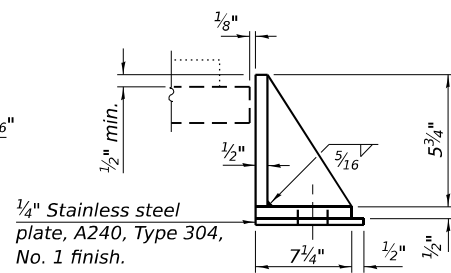
TYPE I ELASTOMERIC EXP. BRG.

(West Abutment)



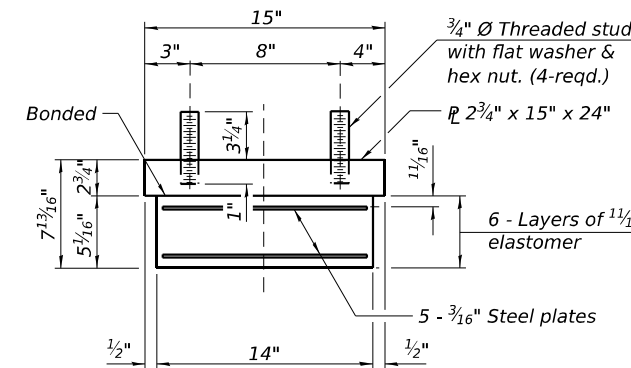
BEARING ASSEMBLY

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



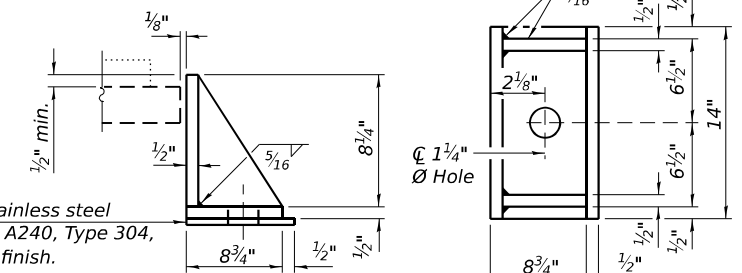
SIDE RETAINER

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



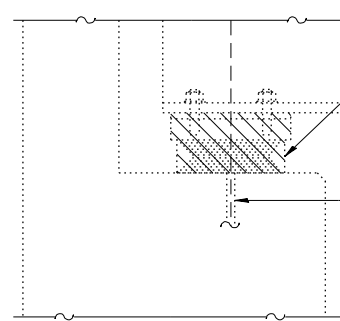
BEARING ASSEMBLY

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



SIDE RETAINER

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



BEARING REMOVAL

Hatched area indicates removal of existing bearing and plates. Jacks shall be placed under exist. beams and cribbing shall be provided by the Contractor.

Burn exist. anchor bolts flush with exist. concrete surface. Grind exist anchor bolt smooth and seal with epoxy. Cost included with Jack and Remove Existing Bearings.

Notes:

Two 1/8 in. adjusting shims shall be provided for each bearing in addition to all other plates or shims and placed as shown on bearing details.
New steel extension, shim plate and connection bolts are included in the cost of Furnishing and Erecting Structural Steel.
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Adjustment must account for deck heave due to pack rust (if present).
Min. jack capacity = 64 tons.

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (Fy=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.

Side retainers and stainless steel plates for the Type I elastomeric bearing assembly 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.

INTERIOR BEAM REACTION TABLE

		Existing E. / W. Abut.	Proposed E. / W. Abut.
R DL	(k)	55.80	76.98
R LL	(k)	48.60 (HS20)	86.96 (HL-93)
Imp.	(k)	10.44	19.28
R (Total)	(k)	114.84	183.22

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	130
Elastomeric Bearing Assembly, Type I	Each	10
Anchor Bolts, 1"	Each	20
Jack and Remove Existing Bearings	Each	10

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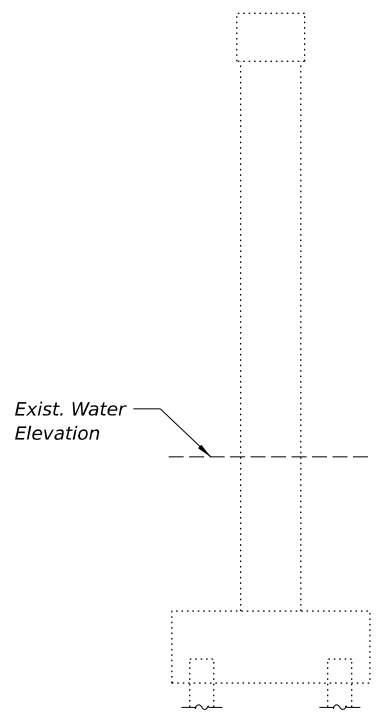
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	DRAWN - DJM	REVISED -
	CHECKED - WWM	REVISED -
PLOT DATE = 2/26/2026	DATE - 02/26/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

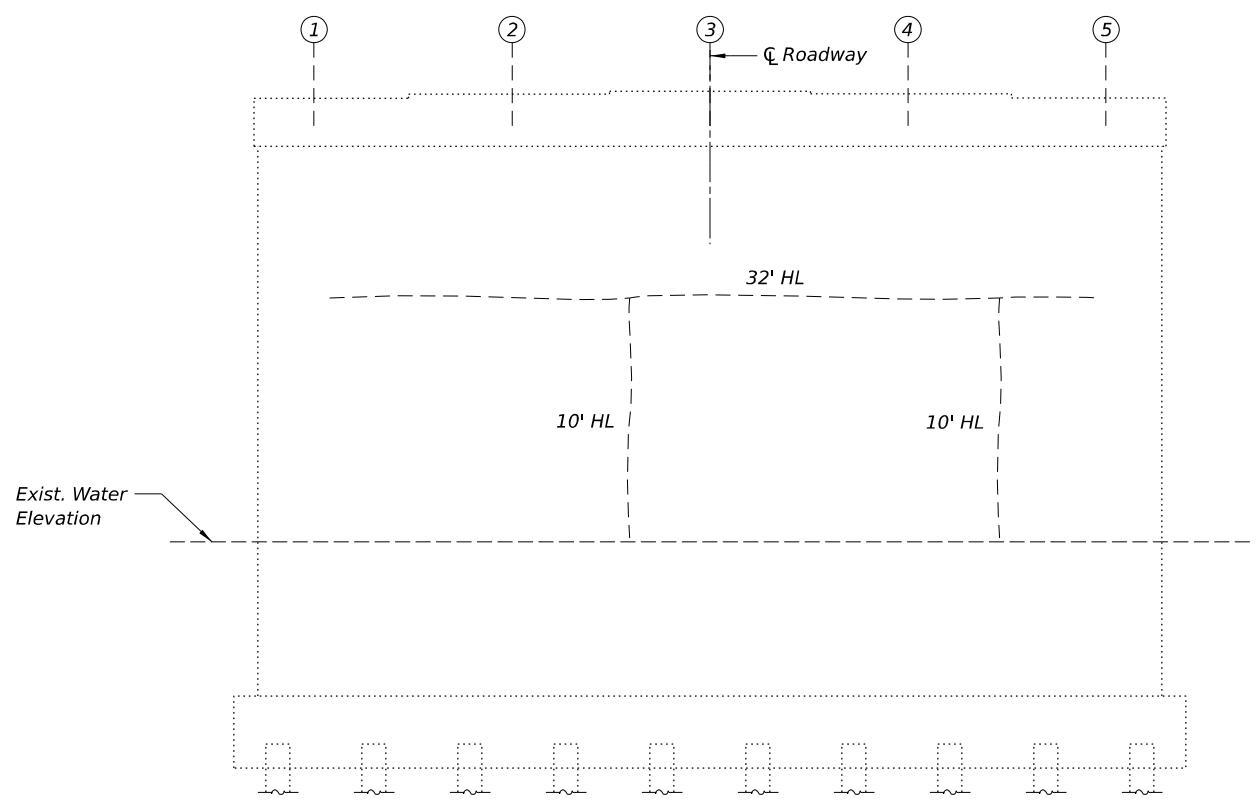
BEARING DETAILS
STRUCTURE NO. 101-0165

SCALE: SHEET 18 OF 22 SHEETS STA. TO STA.

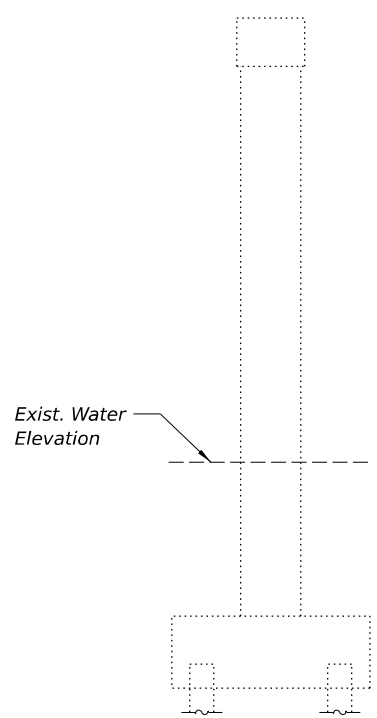
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	28
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



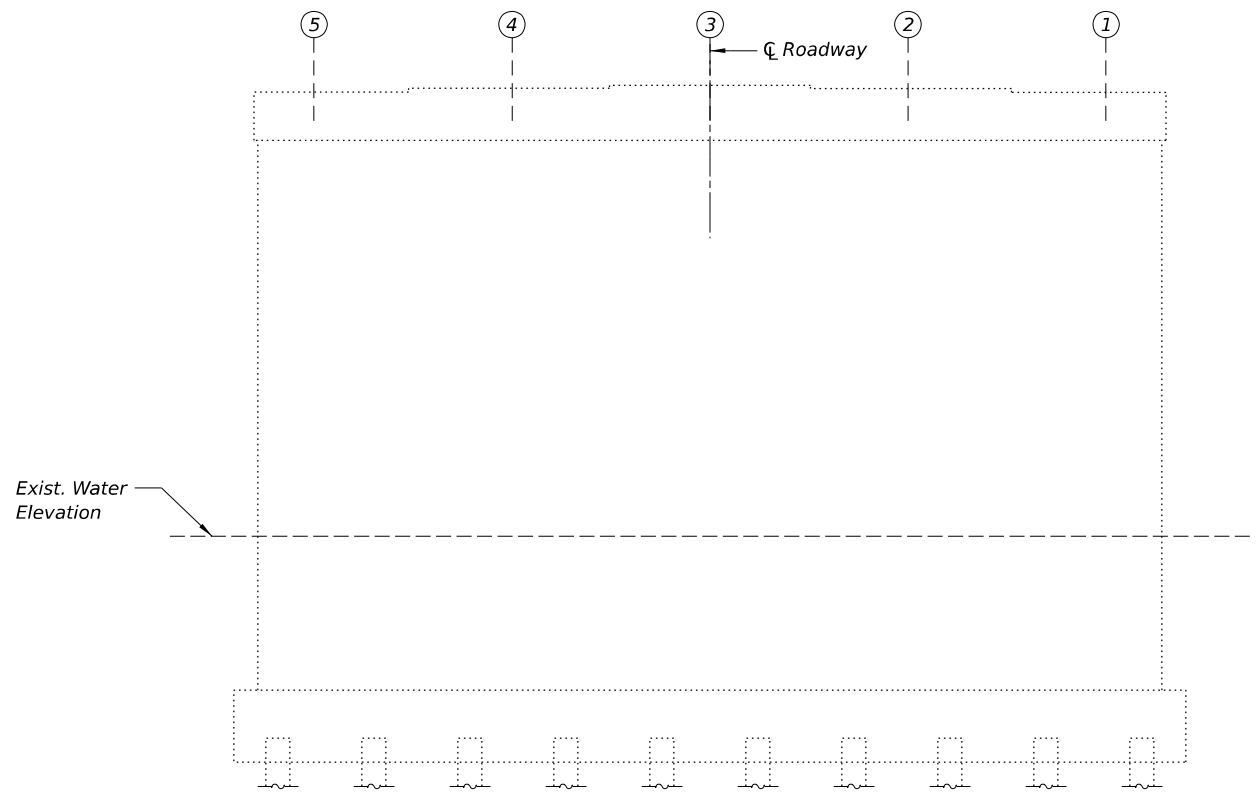
PIER NO. 1 END VIEW
(Looking South)



PIER NO. 1 ELEVATION
(Looking East)



PIER NO. 1 END VIEW
(Looking North)



PIER NO. 1 ELEVATION
(Looking West)

LEGEND

L.F. HL Hairline Crack

BILL OF MATERIAL

Item	Unit	Total
Concrete Sealer	Sq. Ft.	809

NOTES:

- 1.) The repair areas shown are estimated based on field inspections conducted in December 2025. The actual repair areas required shall be verified according to the special provisions.
- 2.) Concrete Sealer shall be applied according to Section 587 of the Standard Specifications to all exposed faces of pier located below the top of the cap.

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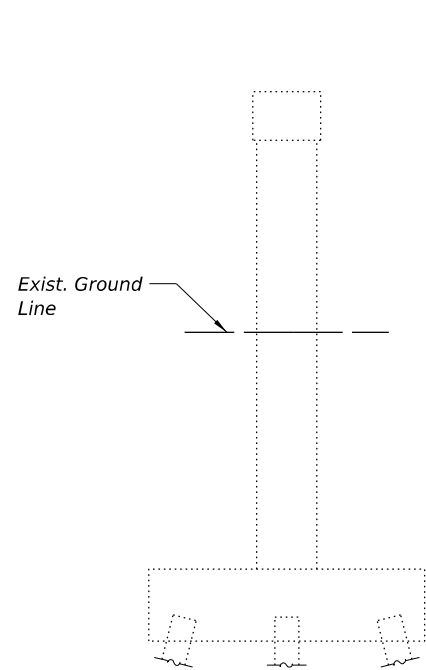
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

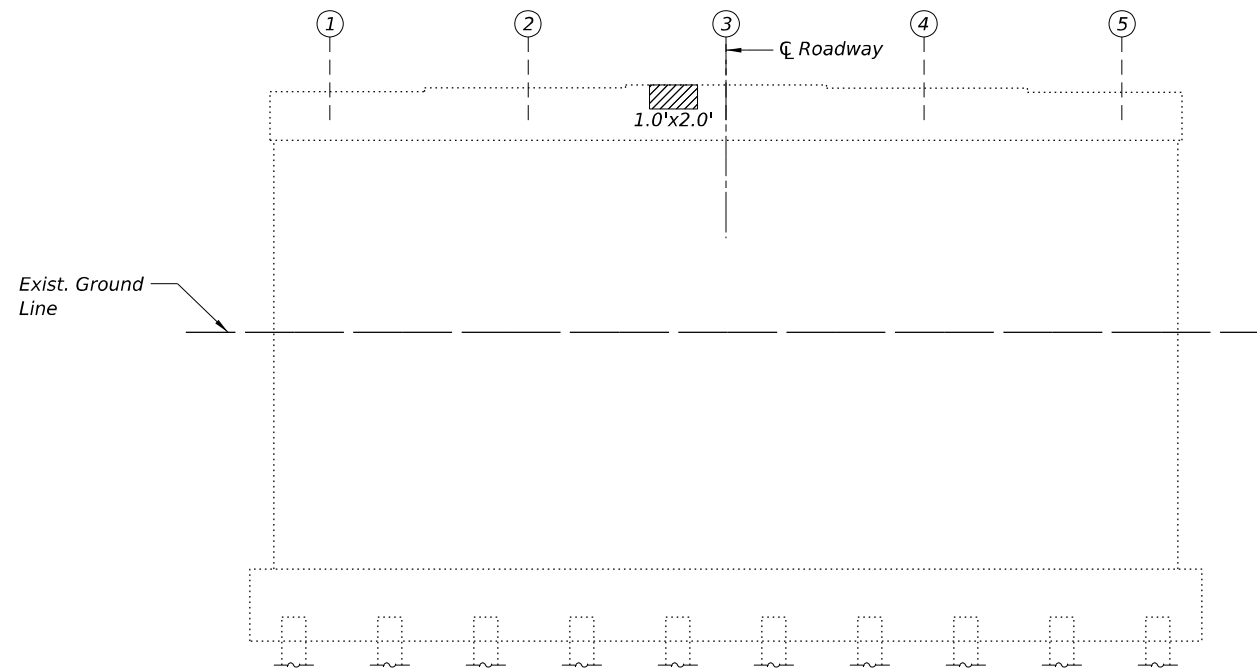
PIER REPAIR DETAILS
STRUCTURE NO. 101-0165

SCALE: SHEET 19 OF 22 SHEETS STA. TO STA.

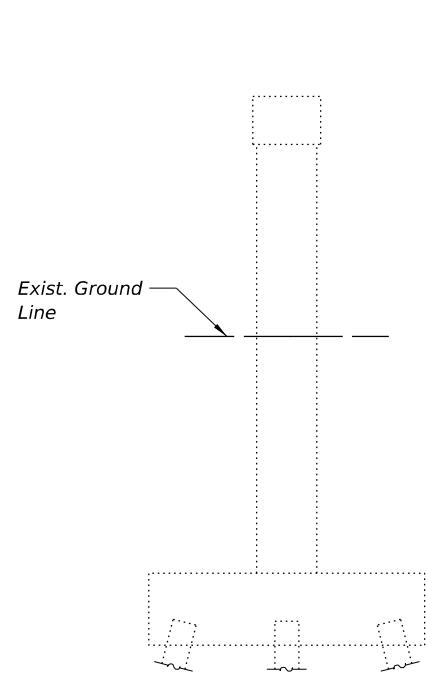
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	29
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



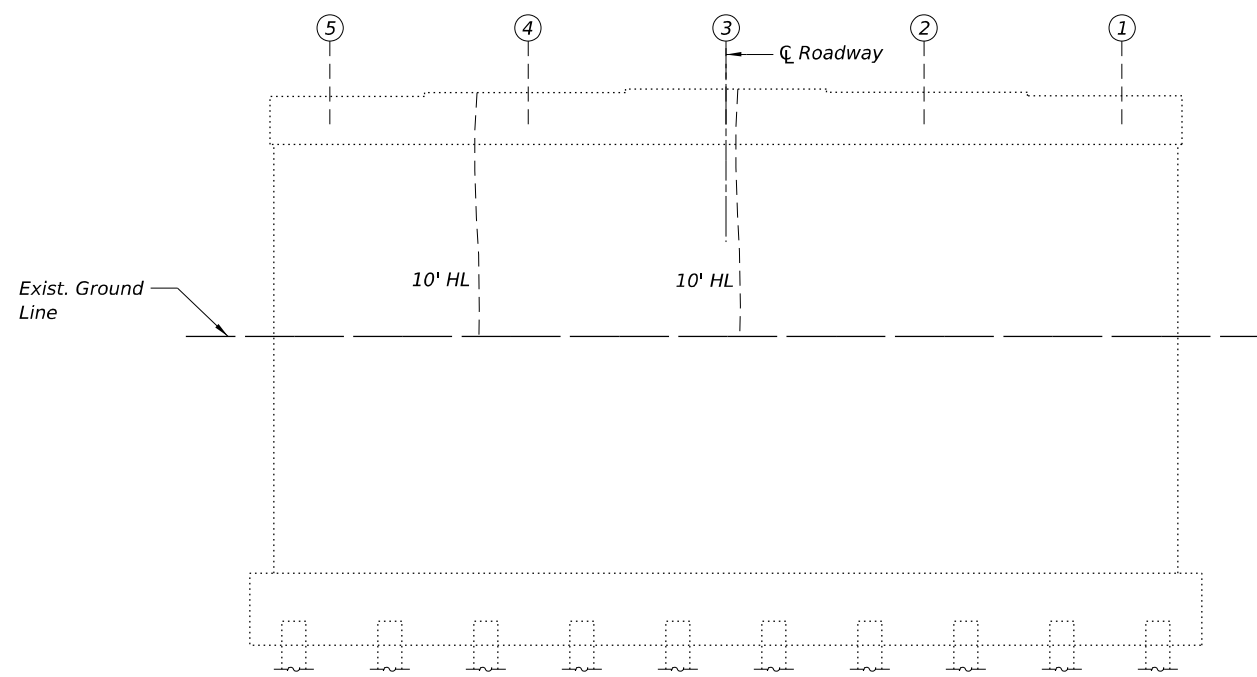
PIER NO. 2 END VIEW
(Looking South)



PIER NO. 2 ELEVATION
(Looking East)



PIER NO. 2 END VIEW
(Looking North)



PIER NO. 2 ELEVATION
(Looking West)

LEGEND

- L.F. HL Hairline Crack
- Structural Repair of Concrete (Depth Equal to or Less than 5 inches)

BILL OF MATERIAL

Item	Unit	Total
Concrete Sealer	Sq. Ft.	444
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	2

NOTES:

- 1.) The repair areas shown are estimated based on field inspections conducted in December 2025. The actual repair areas required shall be verified according to the special provisions.
- 2.) Concrete Sealer shall be applied according to Section 587 of the Standard Specifications to all exposed faces of pier located below the top of the cap.

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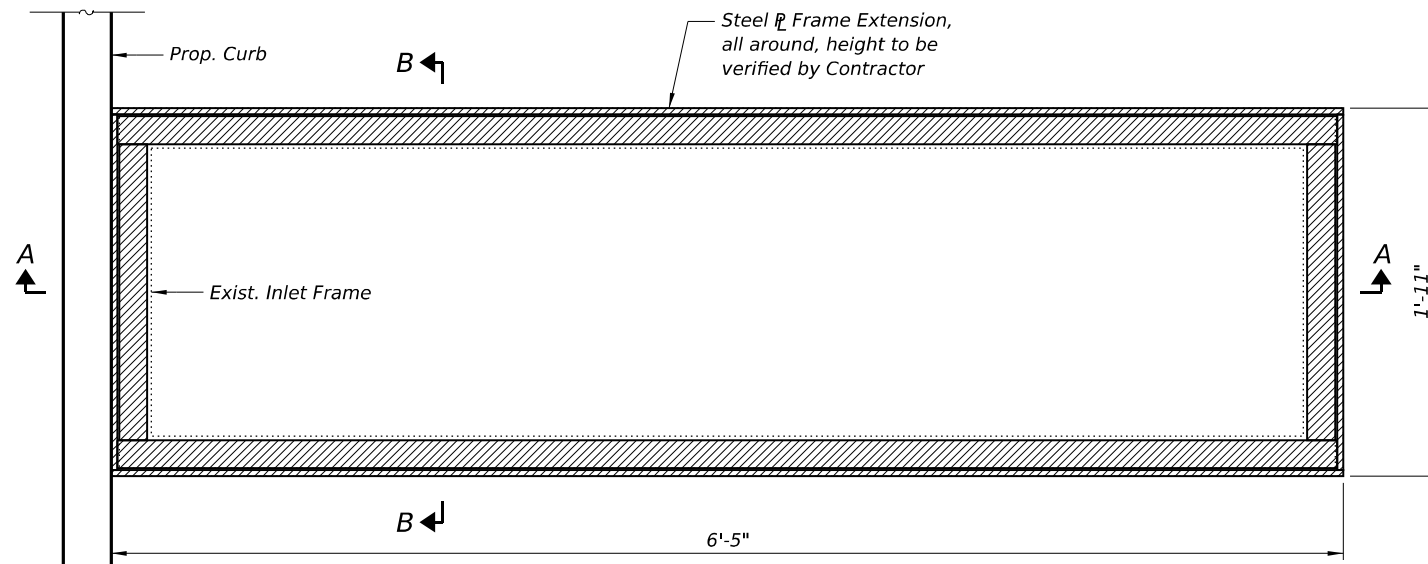
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	DRAWN - DJM	REVISED -
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PLOT DATE = 2/26/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

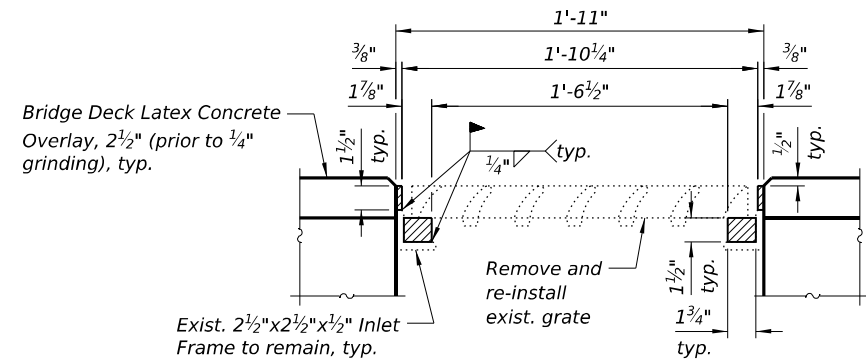
**PIER REPAIR DETAILS
STRUCTURE NO. 101-0165**

SCALE: SHEET 20 OF 22 SHEETS STA. TO STA.

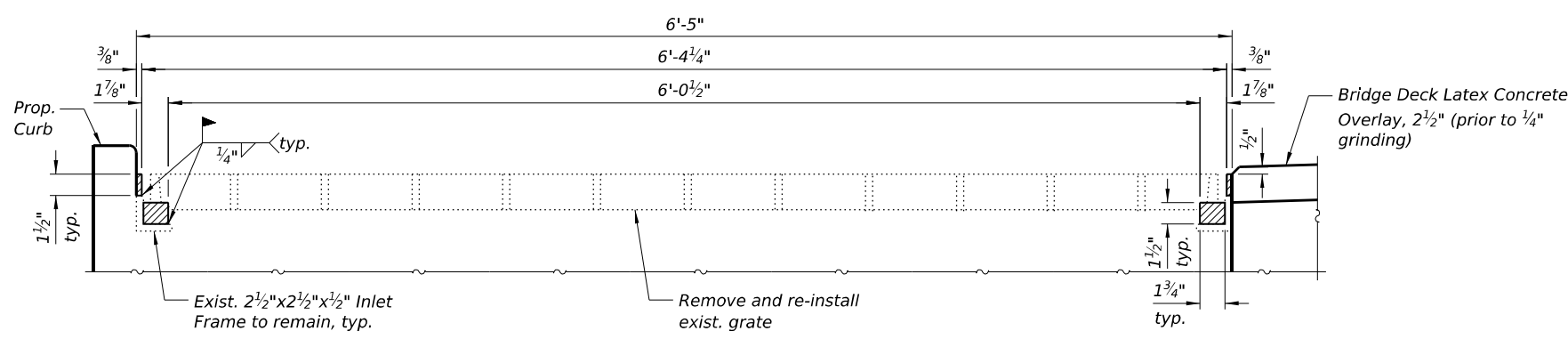
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	30
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



PLAN
(Exist. grate not shown for clarity)



SECTION B-B



SECTION A-A

LEGEND

Steel R Frame Extension

- NOTES:**
- 1.) All structural steel shall be AASHTO M270 Grade 36. The adjusting inlet ring shall be galvanized.
 - 2.) Shop drawings for proposed Steel R Frame Extension shall be submitted for approval prior to fabrication.
 - 3.) Contractor shall ensure that no damage is done to existing grates to be reused.
 - 4.) Cost of all labor and materials necessary to remove existing grates, clean existing inlets, install Steel R Frame Extensions and reinstall grates is included in the cost per unit each for Frames and Grates to be Adjusted.

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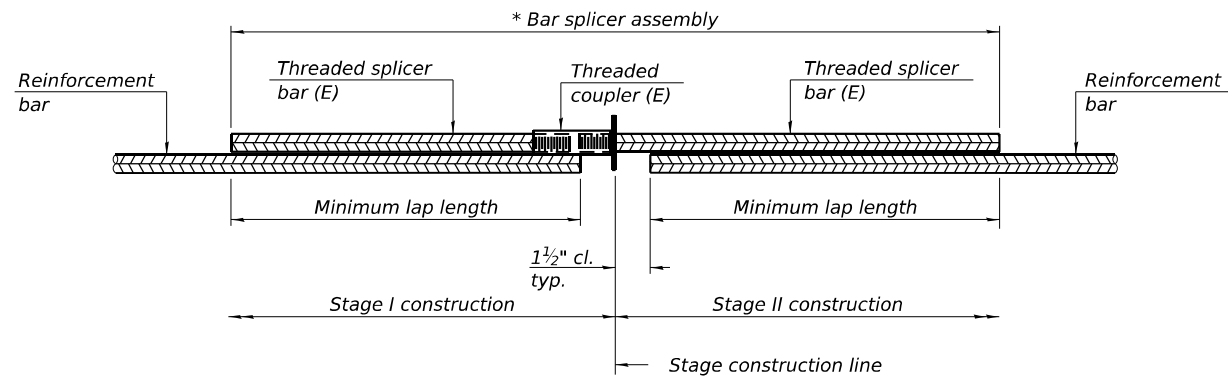
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	DRAWN - DJM	REVISED -
	CHECKED - WWM	REVISED -
PLOT DATE = 2/26/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**APPROACH SHOULDER INLET DETAILS
STRUCTURE NO. 101-0165**

SCALE: SHEET 21 OF 22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	31
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				



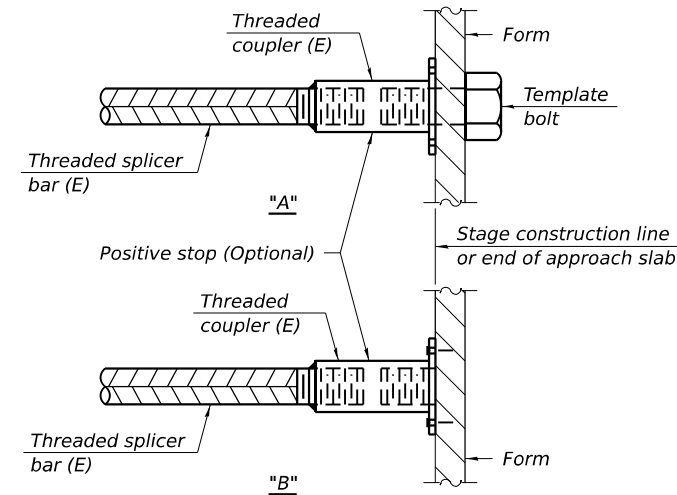
STANDARD BAR SPLICER ASSEMBLY PLAN

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

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

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

Location	Bar size	No. assemblies required	Minimum lap length
Deck Slab	#5	36	3'-10"
Diaphragm	#6	32	3'-6"
Top of Approach Slab	#5	90	2'-6"
Bottom of Approach Slab	#8	118	7'-4"
Approach Footing	#5	80	3'-5"

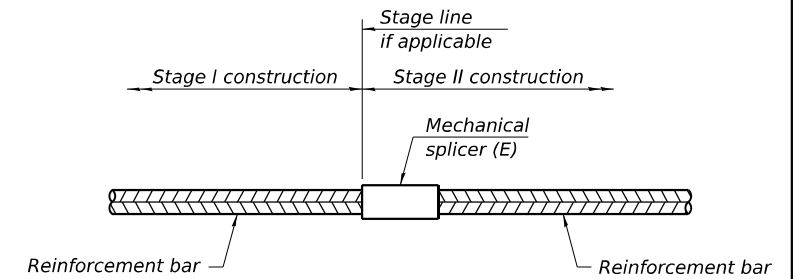


INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.

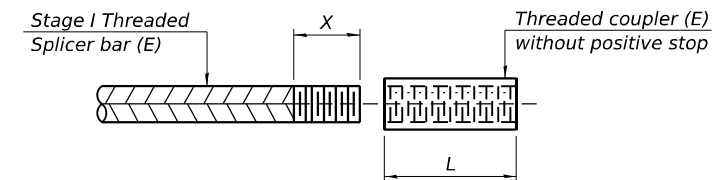
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



THREADING OF ASSEMBLIES

The threaded length "X" shall be no more than L/2. The bar should be tightened until 0-1 thread(s) is/are exposed.

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.

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BSD-1

4-4-2025



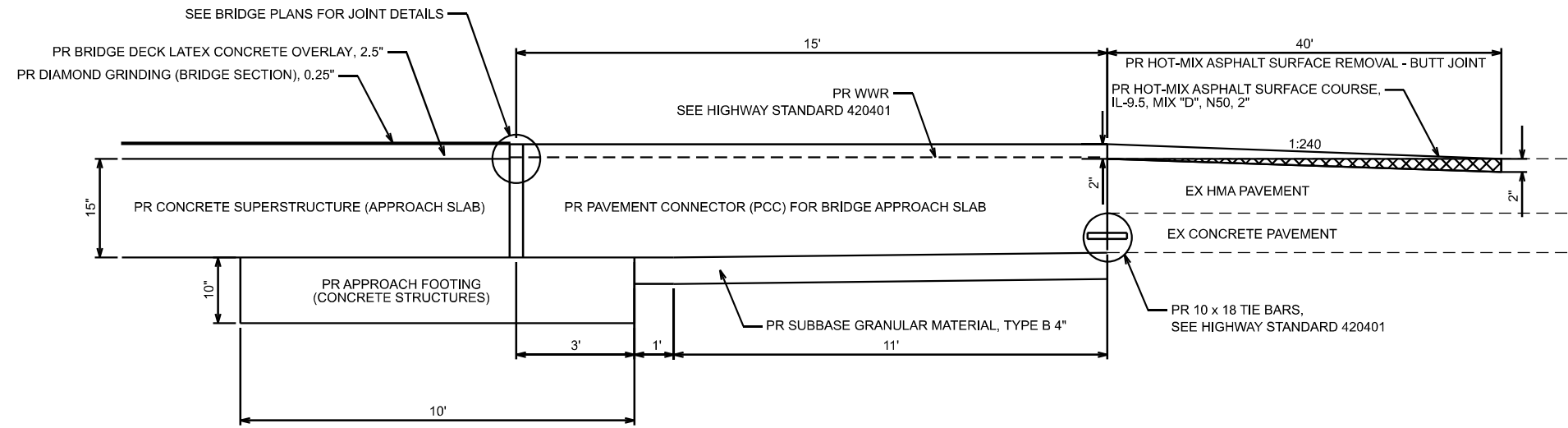
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	DRAWN - DJM	REVISED -
	CHECKED - WWM	REVISED -
PLOT DATE = 2/26/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 101-0165**

SCALE: SHEET 22 OF 22 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	32
CONTRACT NO. 64U90			ILLINOIS FED. AID PROJECT	



ROADWAY APPROACH DETAIL

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	DRAWN - DJM	REVISED -
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PLOT DATE = 2/26/2026	DATE - 02/26/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

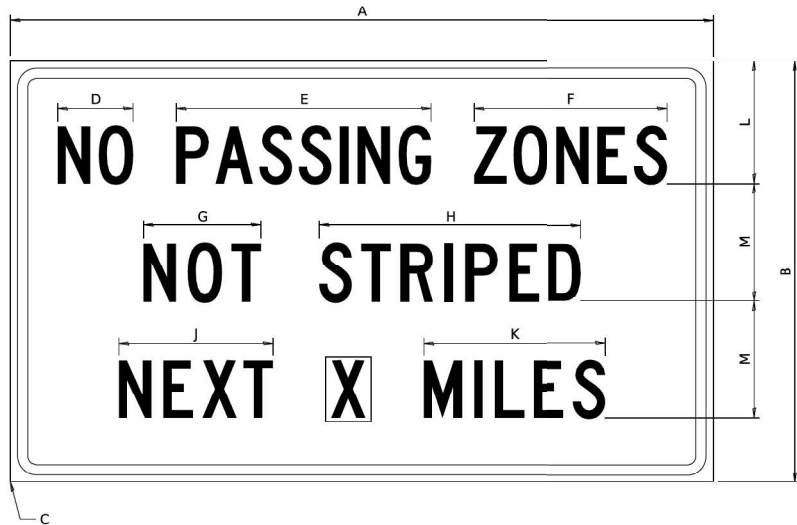
MISCELLANEOUS DETAILS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	33
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100(FO)

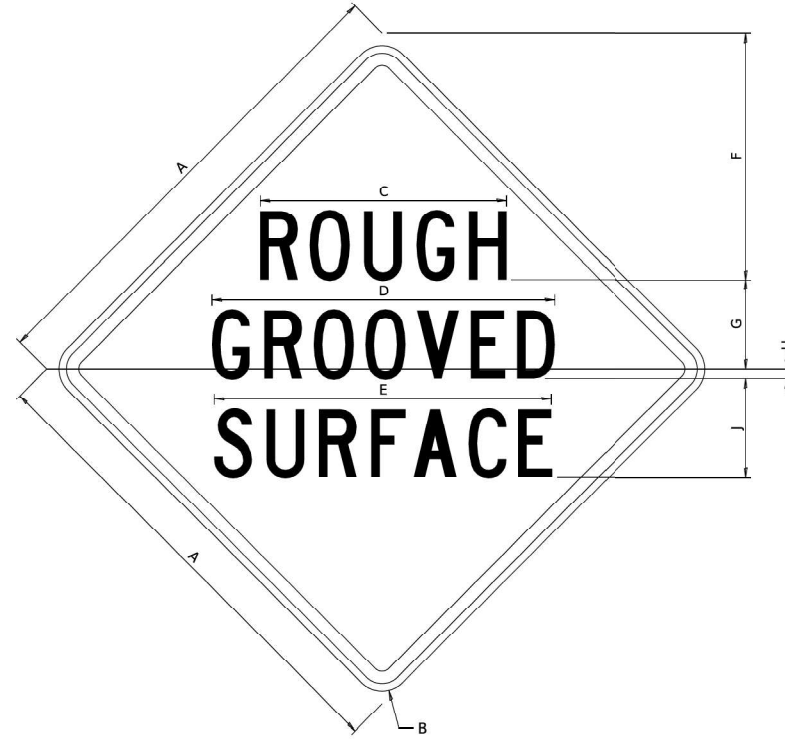


SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
60 x 36	60.00	36.00	2.25	6.4	21.80	16.40	10.00	22.40	13.20	15.50	10.50	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
60 x 36	5C	5C	5C	0.625	0.875

Sign not to scale

ILLINOIS STANDARD W8-I107



SIGN SIZE	DIMENSIONS								
	A	B	C	D	E	F	G	H	J
48 x 48	48.00	3.00	25.00	34.80	34.20	24.94	9.00	1.00	10.00

SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

GENERAL NOTES

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

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

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

All dimensions are in inches unless otherwise noted.

USER NAME - IDOT / DISTRICT 2	DESIGNED -	REVISED -	5-22-25
	DRAWN -	REVISED -	3-02-16
	CHECKED -	REVISED -	
PLOT DATE - 10/8/2025	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:				SHEET	OF	SHEETS	STA.	TO STA.
				CONTRACT NO.				

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USER NAME - dmeyer	DESIGNED - TJL	REVISED -
	DRAWN - DJM	REVISED -
	CHECKED - MLL	REVISED -
PLOT DATE - 2/26/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

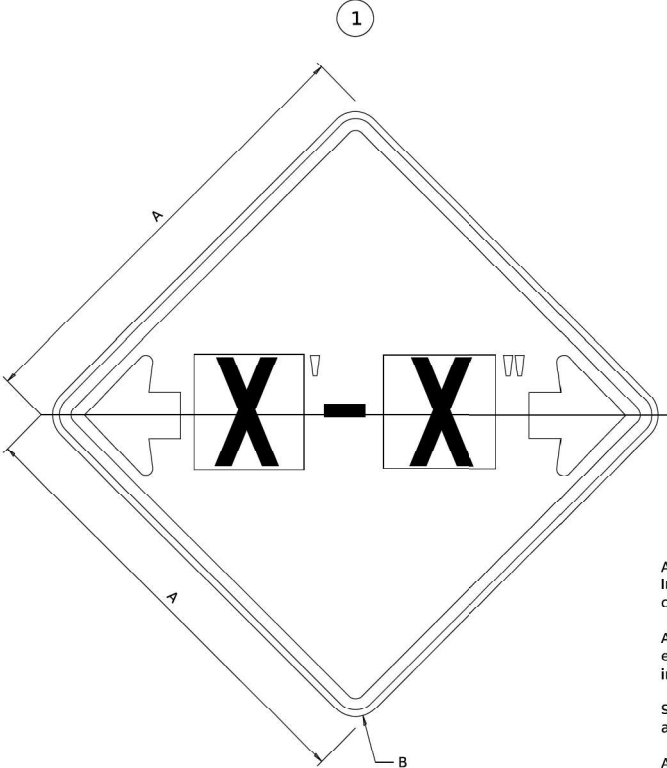
DISTRICT DETAILS

SCALE:	SHEET	1	OF	14	SHEETS	STA.	TO STA.
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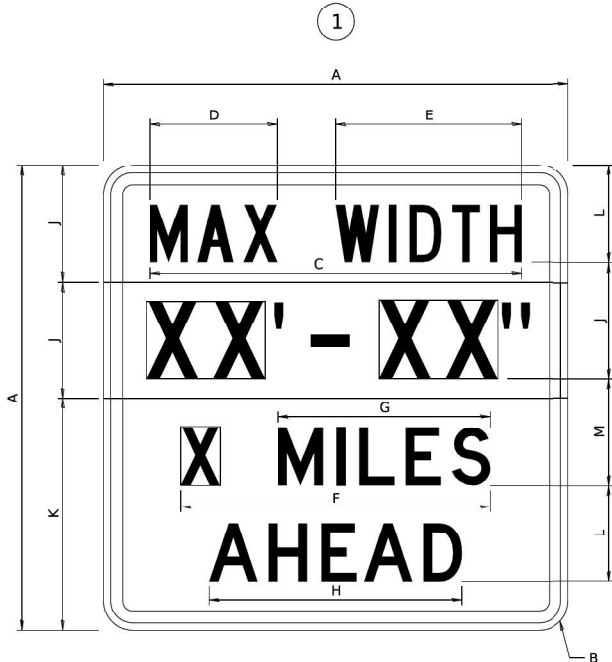
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	34
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



ILLINOIS STANDARD W12-I103



GENERAL NOTES

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

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

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

All dimensions are in inches unless otherwise noted.

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

1 Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE		MARGIN	BORDER
	1			
48 x 48	12C		0.750	1.250

Sign not to scale

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale
XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

USER NAME - IDOT / DISTRICT 2	DESIGNED -	REVISED -	3-02-16
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE - 10/8/2025	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								CONTRACT NO.		
								ILLINOIS	FED. AID PROJECT	

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USER NAME - dmeyer	DESIGNED - TJL	REVISED -
	DRAWN - DJM	REVISED -
	CHECKED - MLL	REVISED -
PLOT DATE - 2/26/2026	DATE - 02/26/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

SCALE:	SHEET	2	OF	14	SHEETS	STA.	TO STA.
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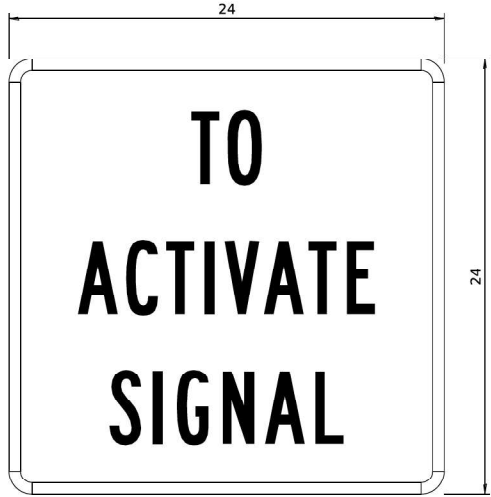
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	35
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS



STOP LINE SIGN FOR TEMPORARY SIGNALS



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

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
 Table of letter and object lefts.

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	NON-REFLECTORIZED REFLECTORIZED
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SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

Sign not to scale

GENERAL NOTES

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

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

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

All dimensions are in inches unless otherwise noted.

USER NAME - dmeyer	DESIGNED - TJL	REVISIONS - 3-02-16
	DRAWN - DJM	REVISIONS -
	CHECKED - MLL	REVISIONS -
PLOT DATE - 2/26/2026	DATE - 02/26/2026	REVISIONS -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		REGION 2 / DISTRICT 2 STANDARD		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				CONTRACT NO.				
SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

WORK ZONE SIGN DETAILS SHEET 3 OF 4 34.1

MODEL: D264U90-Border (Sheet)
 FILE NAME: c:\p\working\brn-ph-41\dms10832\264U90-Border.dgn



USER NAME - dmeyer	DESIGNED - TJL	REVISIONS -
	DRAWN - DJM	REVISIONS -
	CHECKED - MLL	REVISIONS -
PLOT DATE - 2/26/2026	DATE - 02/26/2026	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

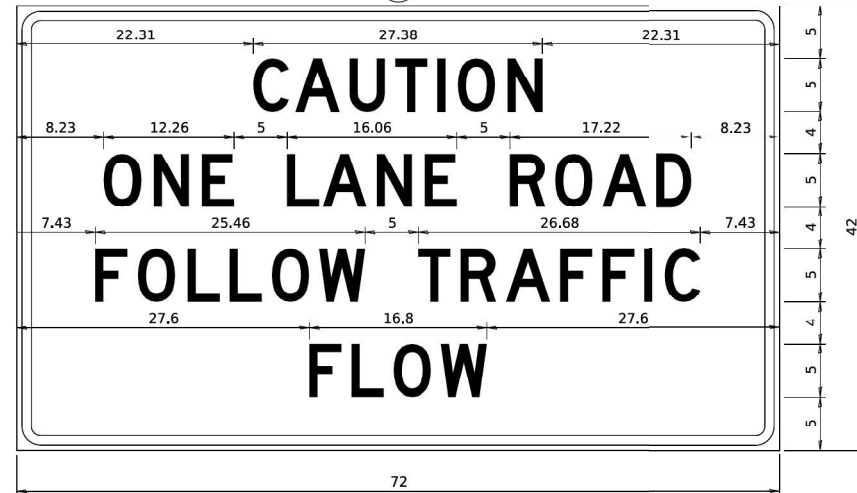
DISTRICT DETAILS

SCALE:	SHEET	3	OF	14	SHEETS	STA.	TO STA.
--------	-------	---	----	----	--------	------	---------

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	36
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS

WORK ZONE SIGN DETAILS



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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

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

Table Of Widths And Spaces

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

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

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

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

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

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

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

Sign not to scale

GENERAL NOTES

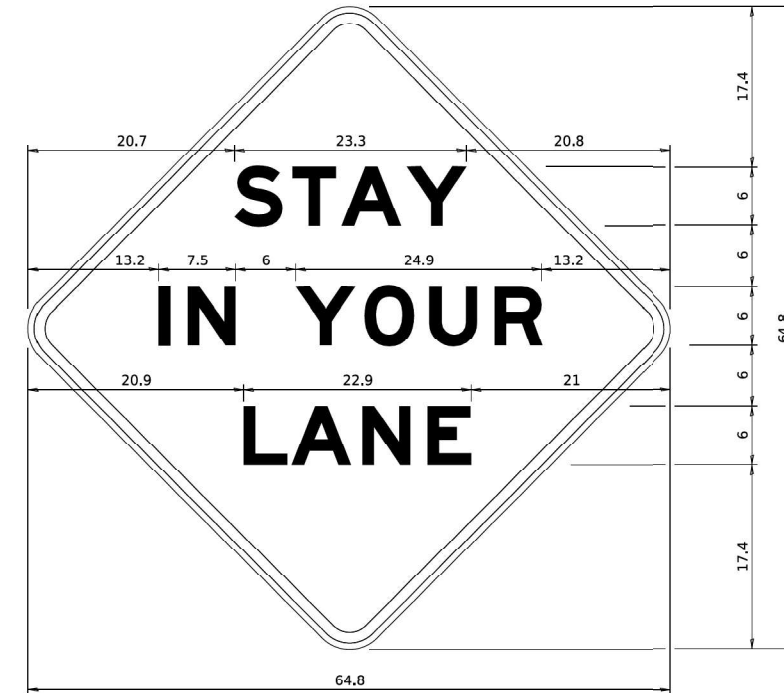
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

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

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

All dimensions are in inches unless otherwise noted.

STAY IN YOUR LANE



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent; "STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

Table of Letter and Object Lefts

S	T	A	Y
20.7	26.8	31.6	38.0

I	N	Y	O	U	R
13.2	15.9	26.7	33.9	40.5	46.8

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

USER NAME	- IDOT / DISTRICT 2	DESIGNED	-	REVISED	-	3-02-16
		DRAWN	-	REVISED	-	
		CHECKED	-	REVISED	-	
PLOT DATE	- 10/9/2025	DATE	-	REVISED	-	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

WORK ZONE SIGN DETAILS SHEET 4 OF 4 34.1

MODEL: D264U90-Border (Sheet)
FILE NAME: c:\pwworking\arn-pw-41\dms10832\264U90-Border.dgn



USER NAME	- dmeyer	DESIGNED	- TJL	REVISED	-
		DRAWN	- DJM	REVISED	-
		CHECKED	- MLL	REVISED	-
PLOT DATE	- 2/26/2026	DATE	- 02/26/2026	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

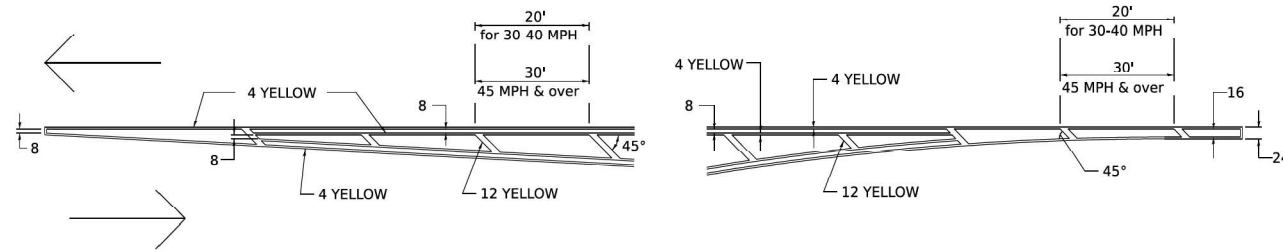
DISTRICT DETAILS

SCALE: SHEET 4 OF 14 SHEETS STA. TO STA.

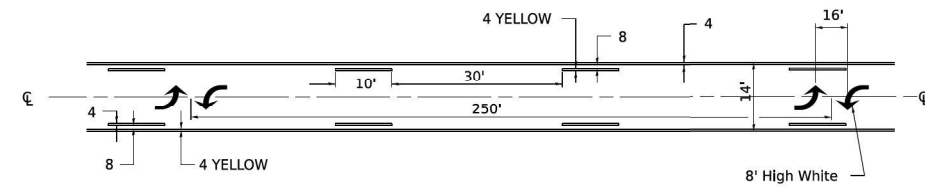
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	37
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

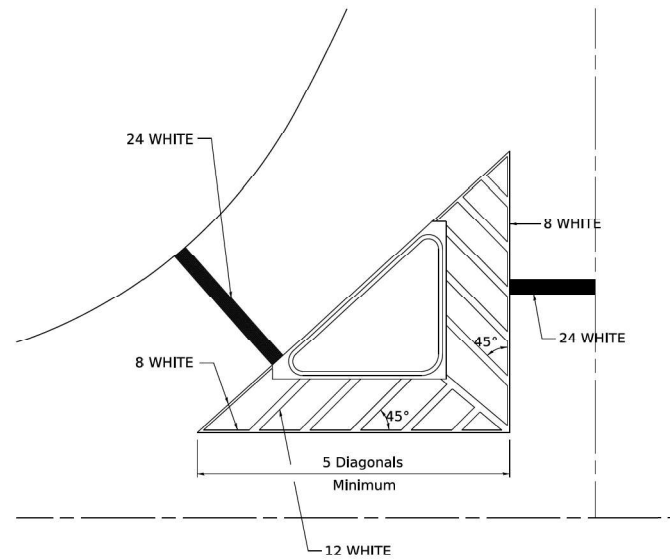


MEDIAN PAVEMENT MARKING



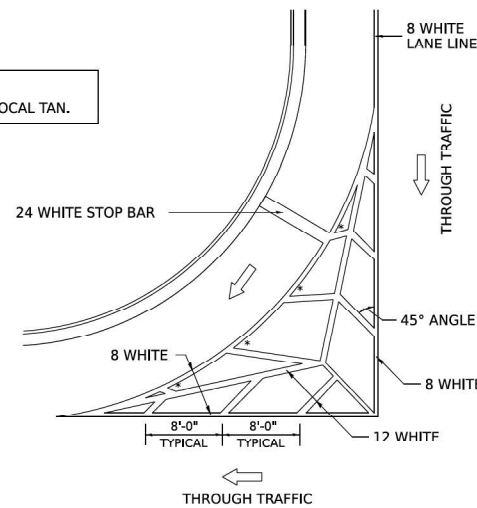
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



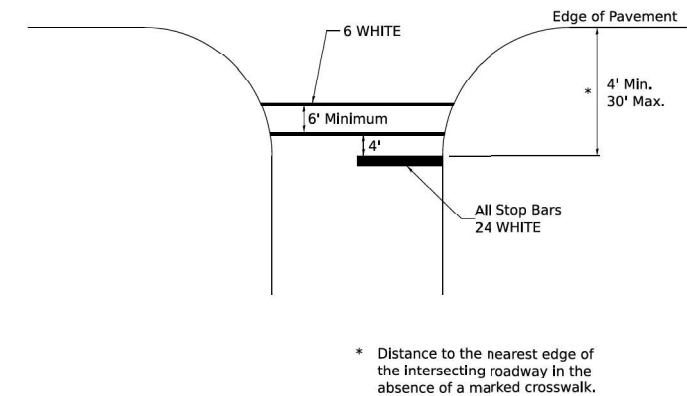
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

MODEL: 4' x 11' - sheet1
FILE NAME: DISTRICT 2 STANDARD

USER NAME	- IDOT / DISTRICT 2	DESIGNED	-	REVISED	-	6-27-14
		DRAWN	-	REVISED	-	3-05-12
		CHECKED	-	REVISED	-	
PLOT DATE	- 10/9/2025	DATE	-	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 5 41.1

MODEL: D264U90-Border (Sheet)
FILE NAME: c:\p\working\bar-p\ch-11\dms10832\264U90-Border.dgn



USER NAME	- dmeyer	DESIGNED	-	REVISED	-
		DRAWN	-	REVISED	-
		CHECKED	-	REVISED	-
PLOT DATE	- 2/26/2026	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

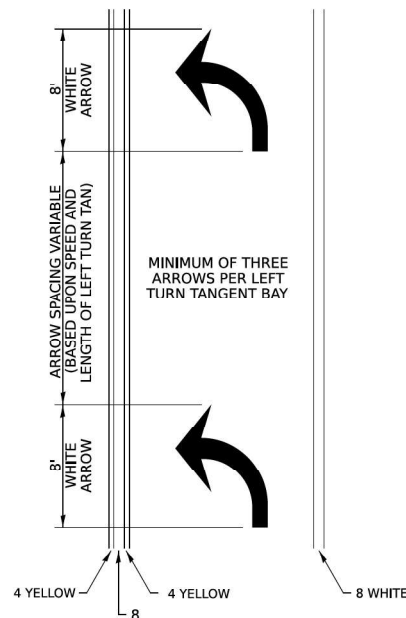
DISTRICT DETAILS

SCALE:	SHEET	5	OF	14	SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	38
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

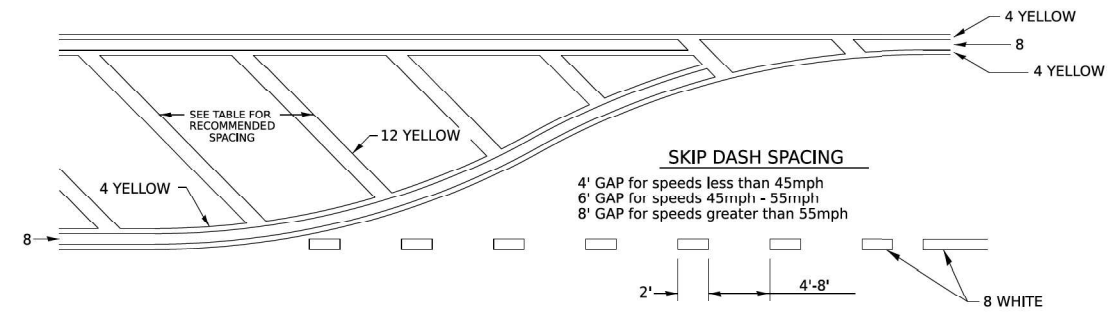


SYMBOLS

- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

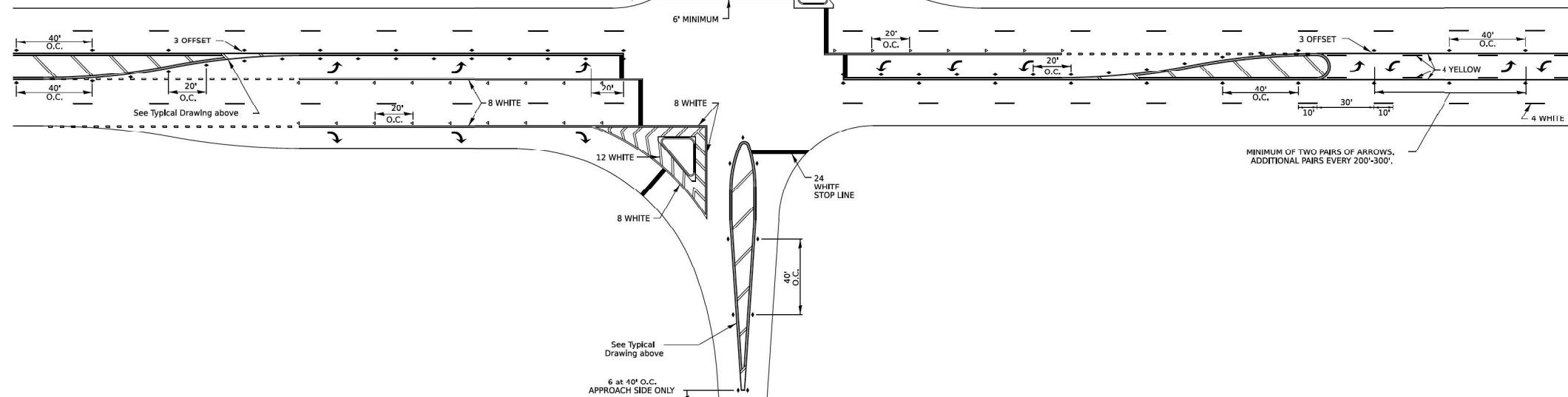
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



USER NAME - IDOT / DISTRICT 2	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 3-05-12
	CHECKED -	REVISED -
PLOT DATE - 10/9/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TYPICAL PAVEMENT MARKINGS SHEET 2 OF 5 41.1

MODEL: D264190-Border (Sheet)
FILE NAME: c:\pwworking\firm\p411\dms10832\264190-Border.dgn



USER NAME - dmeyer	DESIGNED - TJL	REVISED -
	DRAWN - DJM	REVISED -
	CHECKED - MLL	REVISED -
PLOT DATE - 2/26/2026	DATE - 02/26/2026	REVISED -

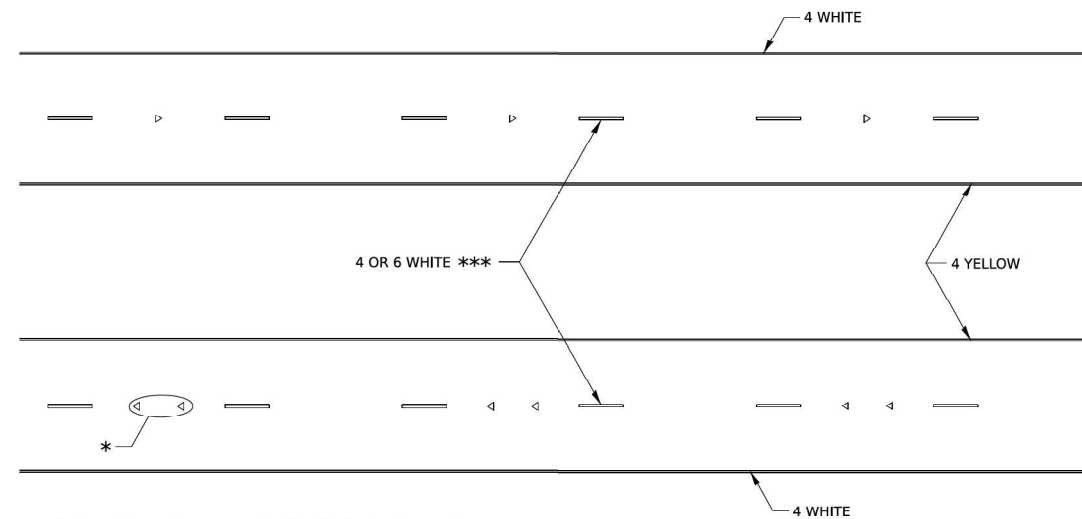
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

SCALE:	SHEET	6	OF	14	SHEETS	STA.	TO STA.
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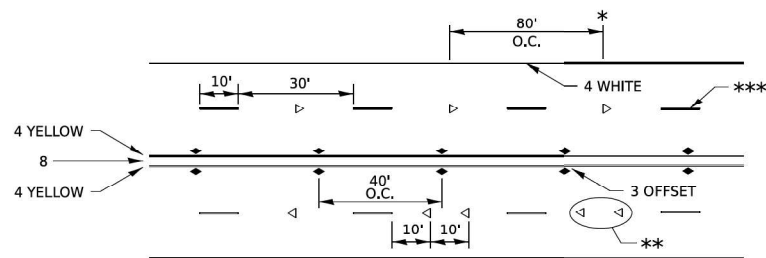
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	39
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT ≥ 20,000.

MULTI-LANE / DIVIDED



* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

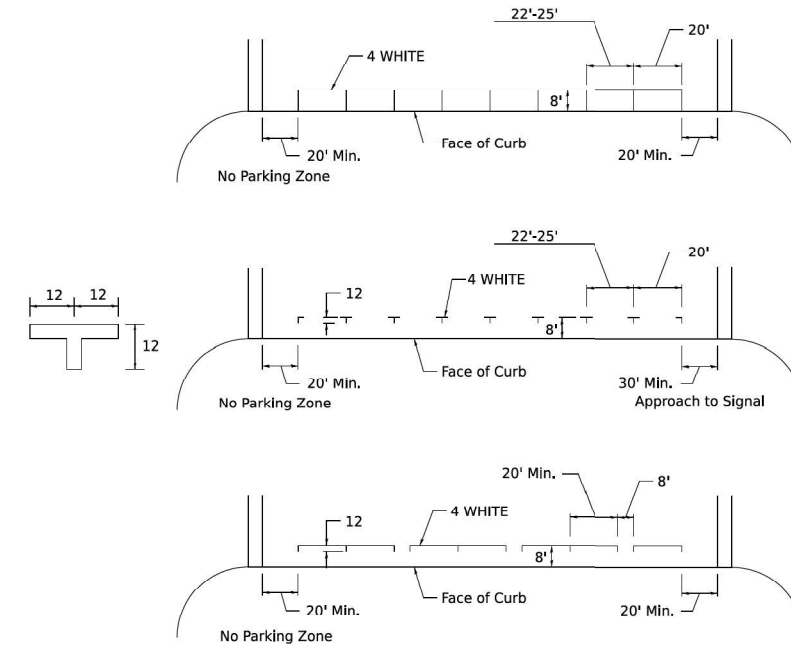
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

*** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

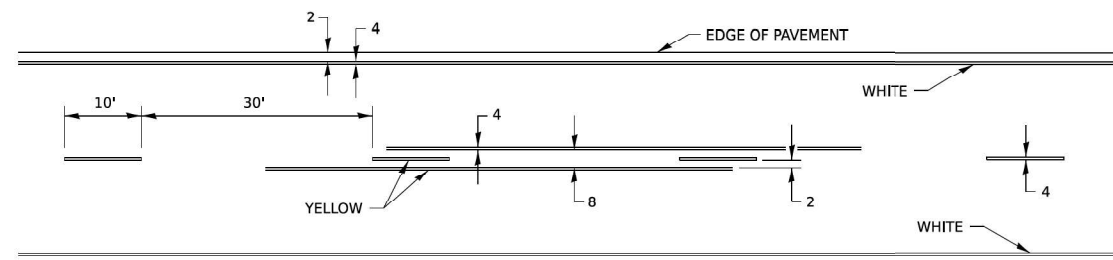
MULTI-LANE / UNDIVIDED & ONE WAY

(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



USER NAME	- IDOT / DISTRICT 2	DESIGNED	-	REVISED	- 6-27-14
		DRAWN	- DJM	REVISED	- 8-27-13
		CHECKED	- MLL	REVISED	- 11-29-12
PLOT DATE	- 10/9/2025	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

TYPICAL PAVEMENT MARKINGS SHEET 3 OF 5 41.1

MODEL: D264U90-Border (Sheet)
FILE NAME: c:\p\working\brn-ph-41\dms10832\264U90-Border.dgn



USER NAME	- dmeyer	DESIGNED	- TJL	REVISED	-
		DRAWN	- DJM	REVISED	-
		CHECKED	- MLL	REVISED	-
PLOT DATE	- 2/26/2026	DATE	- 02/26/2026	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

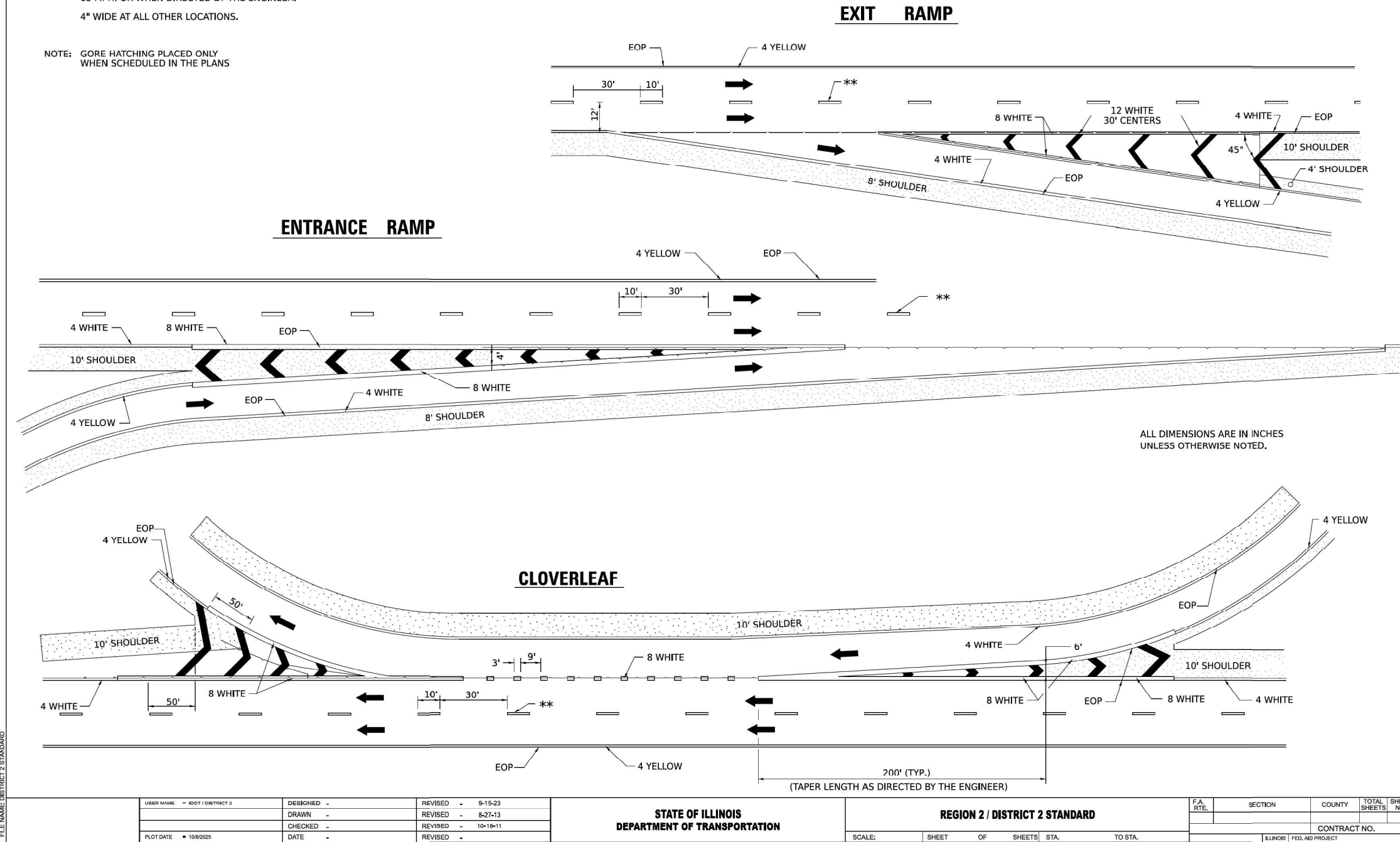
SCALE:	SHEET	7	OF	14	SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	40
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

** 6" WHITE ON INTERSTATES, WHERE THE SPPD LIMIT IS 65 MPH. OR WHEN DIRECTED BY THE ENGINEER.
4" WIDE AT ALL OTHER LOCATIONS.

NOTE: GORE HATCHING PLACED ONLY WHEN SCHEDULED IN THE PLANS



USER NAME - EOT / DISTRICT 2	DESIGNED -	REVISED - 9-15-23
	DRAWN -	REVISED - 8-27-13
	CHECKED -	REVISED - 10-18-11
PLOT DATE - 10/8/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

TYPICAL PAVEMENT MARKINGS SHEET 4 OF 5 41.1

MODEL: D264190-Border (Sheet)
FILE NAME: c:\p\working\brm-ph-41\ms10832\264190-Border.dgn



USER NAME - dmeyer	DESIGNED - TJL	REVISED -
	DRAWN - DJM	REVISED -
	CHECKED - MLL	REVISED -
PLOT DATE - 2/26/2026	DATE - 02/26/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

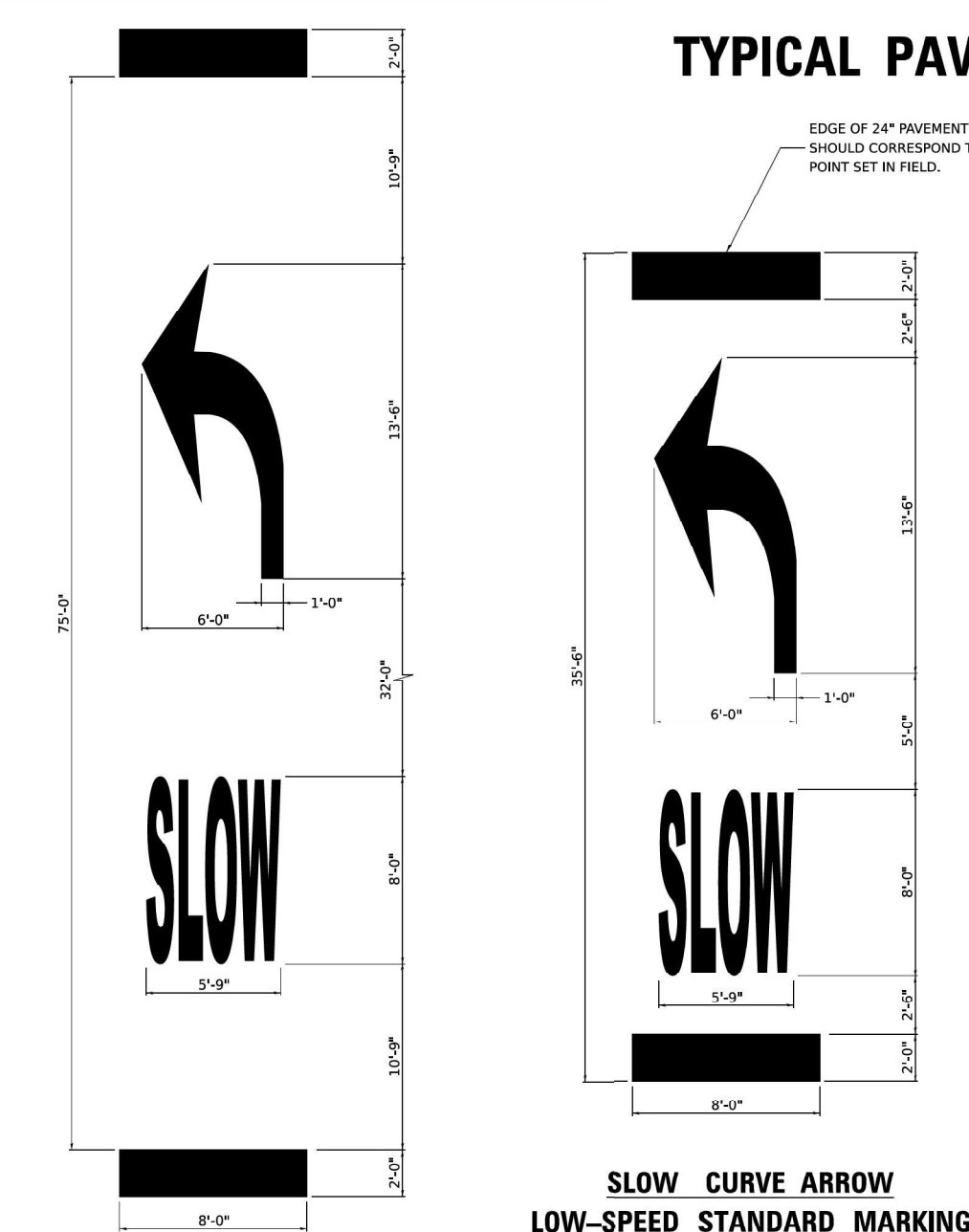
DISTRICT DETAILS

SCALE:	SHEET 8 OF 14 SHEETS	STA. TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	41
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

EDGE OF 24" PAVEMENT MARKING SHOULD CORRESPOND TO REFERENCE POINT SET IN FIELD.



**SLOW CURVE ARROW
HIGH-SPEED STANDARD MARKING**

(POSTED SPEED LIMIT 40 MPH OR GREATER)

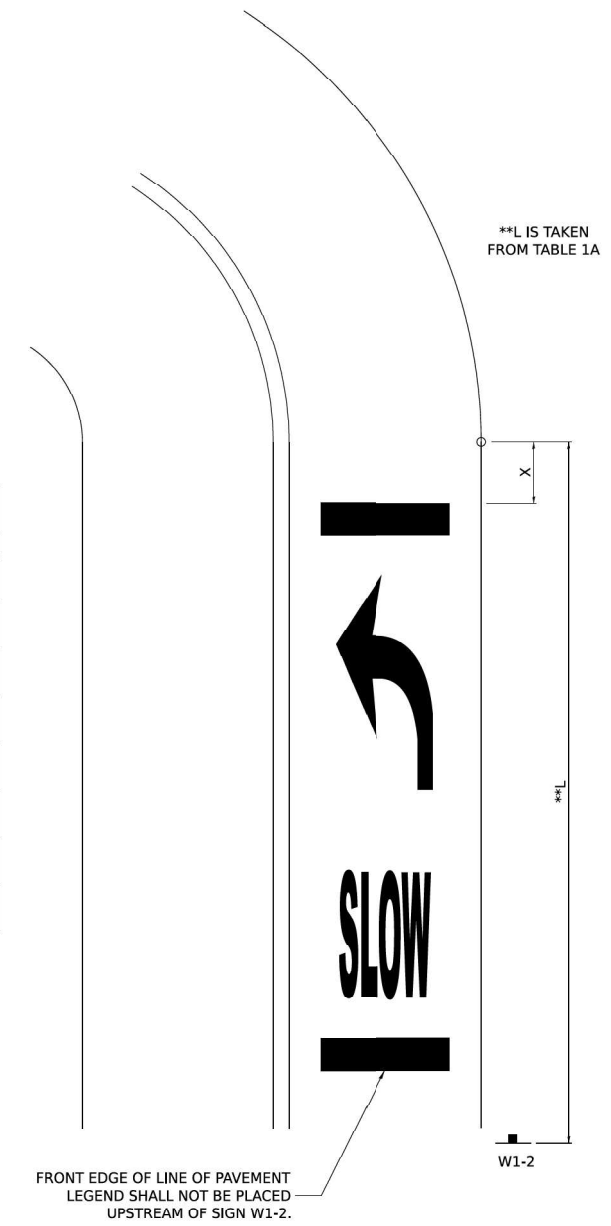
**SLOW CURVE ARROW
LOW-SPEED STANDARD MARKING**

(POSTED SPEED LIMIT 35 MPH OR LESS)

TABLE 1A

POSTED SPEED	WARNING SPEED							
	20	25	30	35	40	45	50	55
VALUE OF X (FT.)								
20 *	100							
25 *	100	100						
30 *	100	100	100					
35 *	100	100	100	100				
40 *	100	100	100	100	100			
45 *	125	110	100	100	100	100		
50 *	225	200	175	135	100	100	100	
55 *	300	275	250	200	175	135	100	100

* NOTE: ON ROADWAYS WITH A POSTED SPEED LIMIT OF 35 MPH OR LESS, USE THE 35'-6" PAVEMENT MARKING LEGEND AS SHOWN IN THE SLOW CURVE ARROW, LOW-SPEED STANDARD MARKING. ON ALL OTHER ROADWAYS, USE THE 50'-0" PAVEMENT MARKING LEGEND AS SHOWN ON THE SLOW CURVE ARROW, HIGH-SPEED STANDARD MARKING.



**TYPICAL LAYOUT AND PLACEMENT OF
SUPPLEMENTAL CURVE PLACEMENT MARKING**

MODEL: 4'x11'-shms
FILE NAME: DISTRICT 2 STANDARD

USER NAME - IDOT/DISTRICT 2	DESIGNED -	REVISOR -	10-8-25
	DRAWN -	REVISOR -	4-17-25
	CHECKED -	REVISOR -	
PLOT DATE - 10/8/2025	DATE -	REVISOR -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
CONTRACT NO.				
SCALE:	SHEET 51 OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

MODEL: D264U90-Border (Sheet)
FILE NAME: c:\pwworking\firm\p411\dms10832\264U90-Border.dgn



USER NAME - dmeyer	DESIGNED - TJL	REVISOR -
	DRAWN - DJM	REVISOR -
	CHECKED - MLL	REVISOR -
PLOT DATE - 2/26/2026	DATE - 02/26/2026	REVISOR -

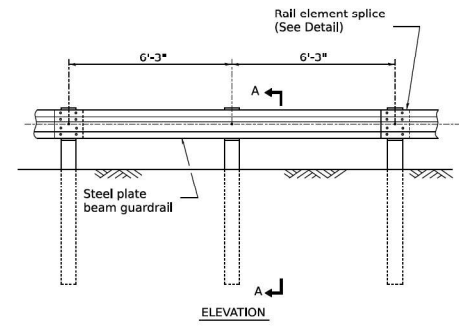
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

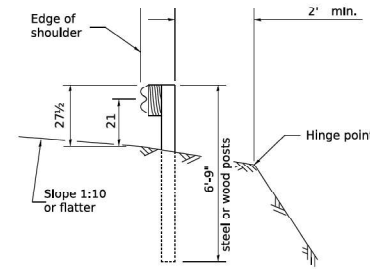
SCALE:	SHEET 9 OF 14 SHEETS	STA. TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	42
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

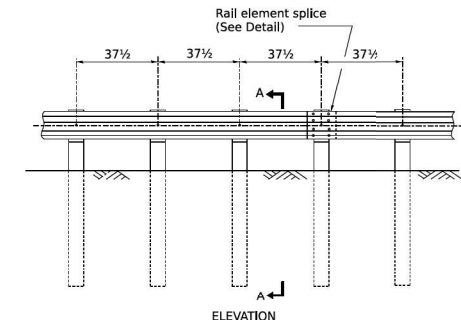
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



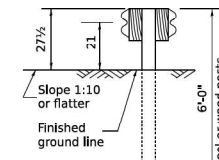
TYPE A
6'-3" Typical post spacing



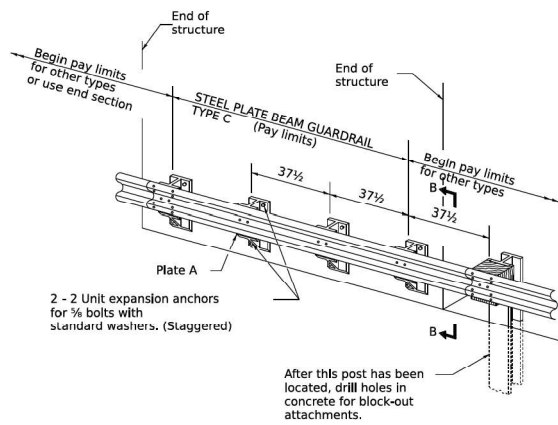
SECTION A-A



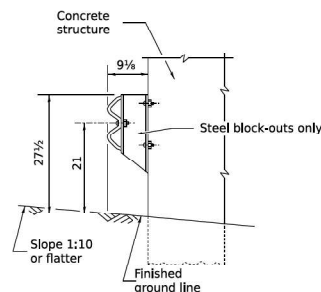
TYPE B
37 1/2" Closed post spacing



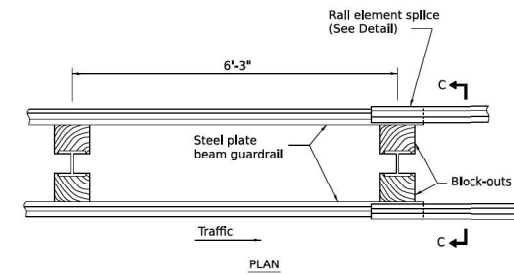
SECTION C-C



TYPE C
37 1/2" Block-out spacing



SECTION B-B



TYPE D
Double steel plate beam guardrail
6'-3" typical post spacing

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches unless otherwise shown.

The existing steel posts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steel post shall be provided.

This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

USER NAME - IDOT/DISTRICT 2	DESIGNED -	REVISOR -	1-05-16
	DRAWN -	REVISOR -	10-18-11
	CHECKED -	REVISOR -	
PLOT DATE - 10/8/2025	DATE -	REVISOR -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL SHEET 1 of 4 53.1

MODEL: D264U90-Border (Sheet)
FILE NAME: c:\pwworking\firm-pw-d11\dms10832\0264U90-Border.dgn



USER NAME - dmeyer	DESIGNED -	TJL	REVISOR -
	DRAWN -	DJM	REVISOR -
	CHECKED -	MLL	REVISOR -
PLOT DATE - 2/26/2026	DATE -	02/26/2026	REVISOR -

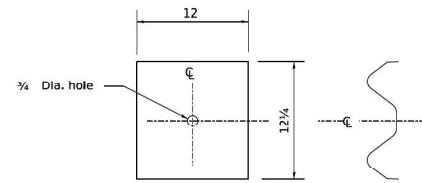
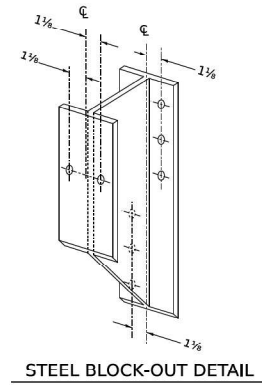
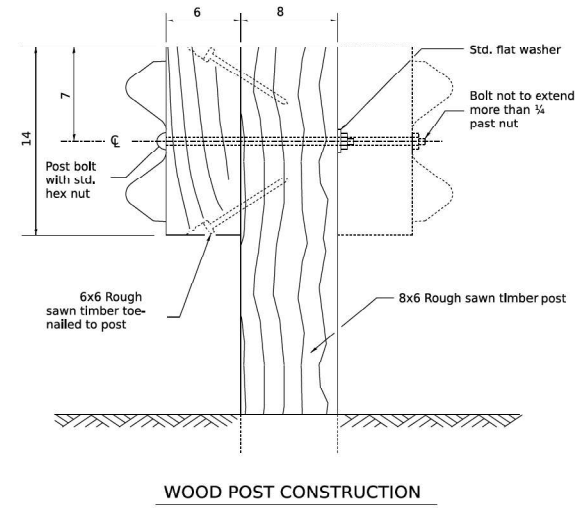
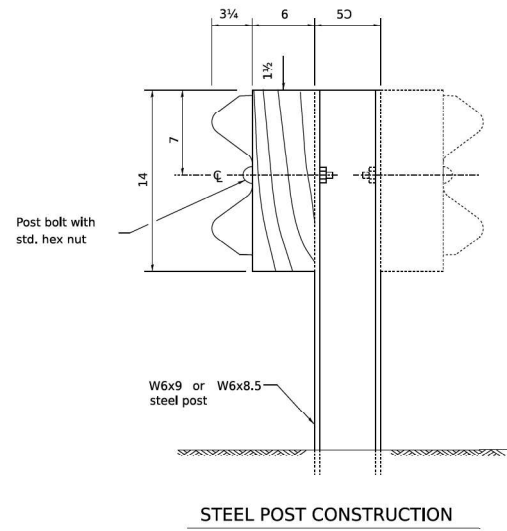
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

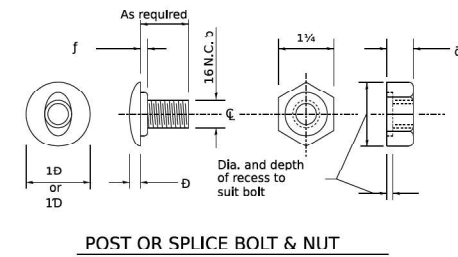
SCALE:	SHEET	10	OF	14	SHEETS	STA.	TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	43
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



NOTE
Plate A shall be placed between rail element and block-out at non-splice mounting points only when steel block-outs are used.



MODEL: 5301_1.rvt
FILE NAME: DISTRICT 2 STANDARD

USER NAME - IDOT / DISTRICT 2	DESIGNED -	REVISOR -	1-05-16
	DRAWN -	REVISOR -	10-18-11
	CHECKED -	REVISOR -	
PLOT DATE - 10/8/2025	DATE -	REVISOR -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

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

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL SHEET 2 of 4 53.1

MODEL: D264U90-Border (Sheet)
FILE NAME: c:\pwworking\firm\pwworking\11\dms10832\264U90-Border.dgn



USER NAME - dmeyer	DESIGNED - TJL	REVISOR -
	DRAWN - DJM	REVISOR -
	CHECKED - MLL	REVISOR -
PLOT DATE - 2/26/2026	DATE - 02/26/2026	REVISOR -

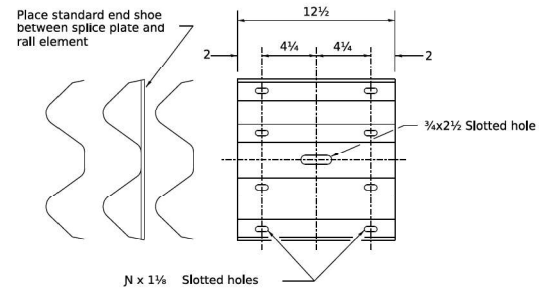
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

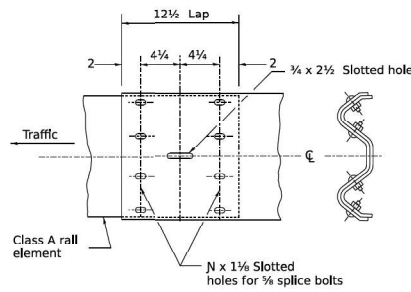
SCALE: SHEET 11 OF 14 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	44
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

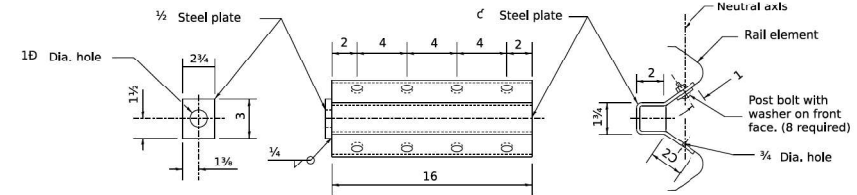
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



SPLICE PLATE

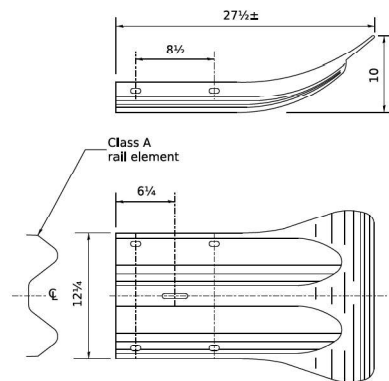


RAIL ELEMENT SPLICE

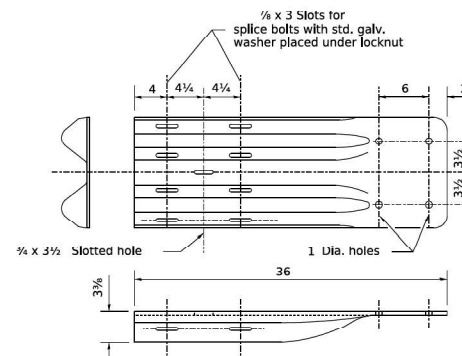


NOTE
Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

ANCHOR PLATE T DETAILS



END SECTION

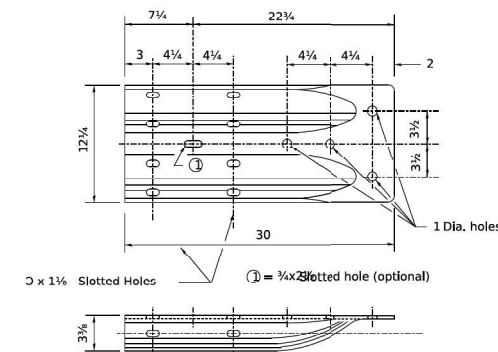


NOTE
When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE



ALTERNATE END SHOE

MODEL: 5301_1.dwg
FILE NAME: DISTRICT 2 STANDARD

USER NAME - IDOT/DISTRICT 2	DESIGNED -	REVISED - 1-05-16
	DRAWN -	REVISED - 10-18-11
	CHECKED -	REVISED -
PLOT DATE - 10/8/2025	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

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

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL SHEET 3 of 4 53.1

MODEL: D264U90-Border (Sheet)
FILE NAME: c:\pwworking\firm-pw-41\dms10832\264U90-Border.dgn



USER NAME - dmeyer	DESIGNED - TJL	REVISED -
	DRAWN - DJM	REVISED -
	CHECKED - MLL	REVISED -
PLOT DATE - 2/26/2026	DATE - 02/26/2026	REVISED -

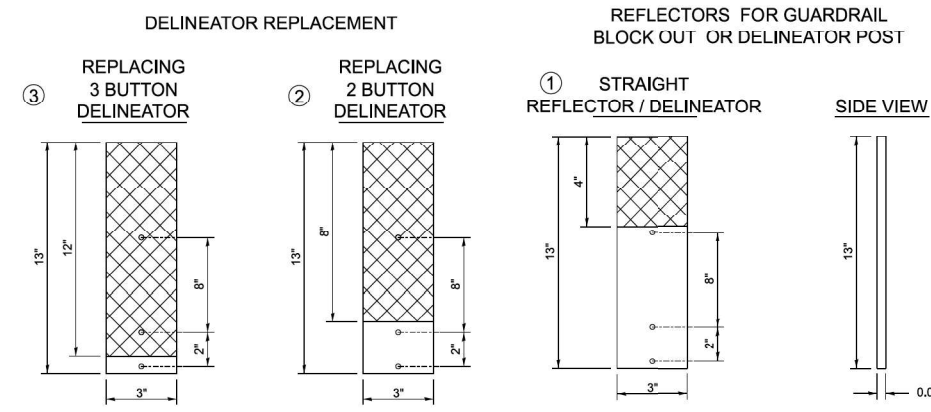
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT DETAILS

SCALE: SHEET 12 OF 14 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	45
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				

REFLECTORS (SPECIAL)



NOTE:

REFLECTOR REPLACEMENT SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR GUARDRAIL REFLECTORS, TYPE C (SPECIAL), WHICH INCLUDES ALL MOUNTING HARDWARE OUTLINED IN SECTION 635 OF THE SPEC BOOK.

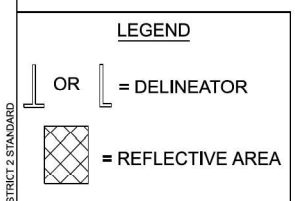
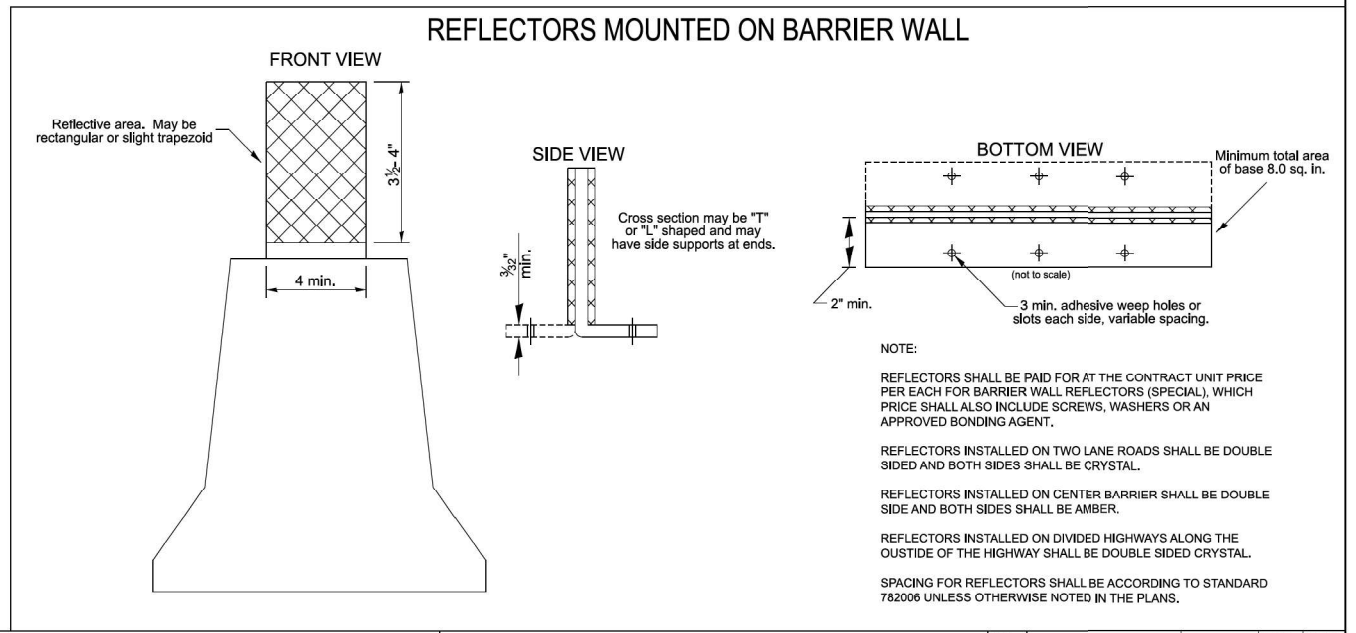
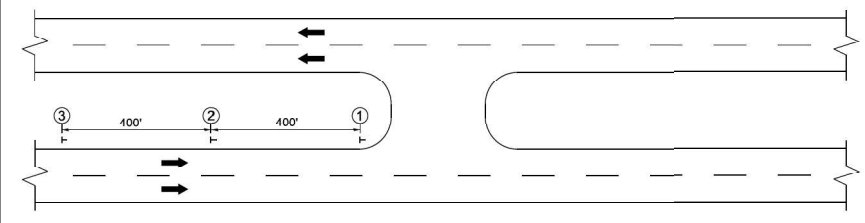
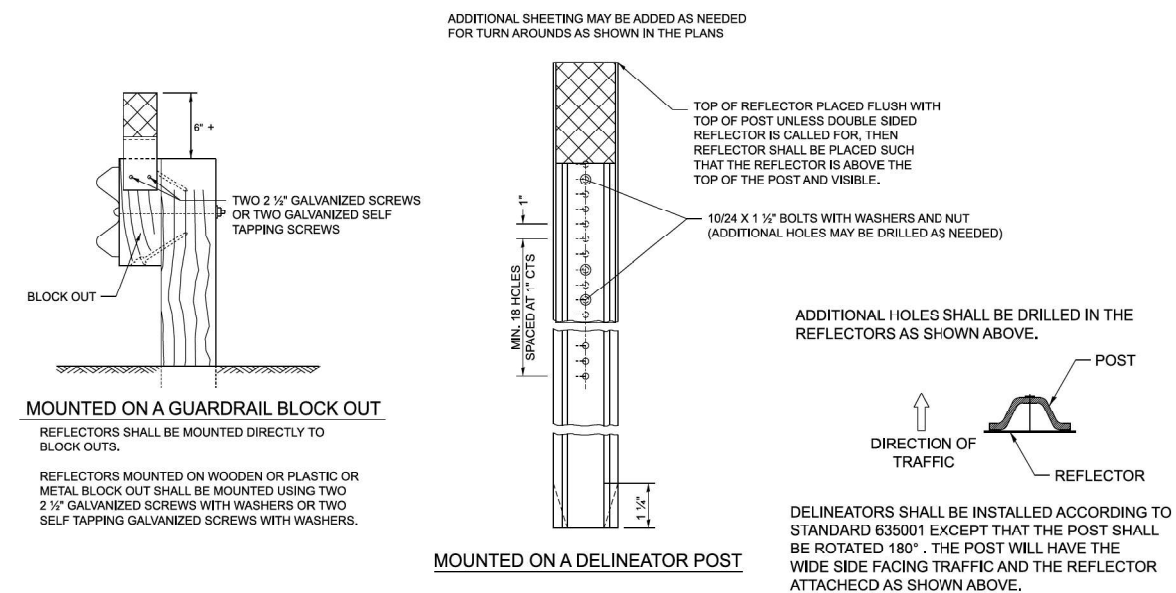
DELINEATOR INSTALLATION (REFLECTOR AND POST) SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR DELINEATORS (SPECIAL), WHICH INCLUDES ALL MOUNTING HARDWARE OUTLINED IN SECTION 635 OF THE SPEC BOOK.

REFLECTORS INSTALLED ON TWO LANE ROADS SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE CRYSTAL.

REFLECTORS INSTALLED ON CENTER BARRIER OR IN THE MEDIAN SHALL BE DOUBLE SIDED AND BOTH SIDES SHALL BE YELLOW.

REFLECTORS INSTALLED ON DIVIDED HIGHWAYS ON THE OUTSIDE OF THE ROADWAY SHALL BE DOUBLE SIDED CRYSTAL.

SPACING FOR REFLECTORS SHALL BE ACCORDING TO STANDARD 782006 UNLESS OTHERWISE NOTED IN THE PLANS.



MODEL: 55911	USER NAME: dmeyer	DESIGNED: -	REVISION: 3-07-25	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILE NAME: DISTRICT 2 STANDARD	DESIGNED: -	REVISION: 3-07-24	3-07-25		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT
	CHECKED: -	REVISION: 4-27-23	6-21-21								CONTRACT NO.	
	PLOT DATE: 10/9/2025	DATE: -										

REFLECTORS (SPECIAL) 55.1

MODEL: D264U90-Border (Sheet)
FILE NAME: c:\pwworking\firm\p4411\dms10832\264U90-Border.dgn



USER NAME: dmeyer	DESIGNED: TJL	REVISION: -
	DRAWN: DJM	REVISION: -
	CHECKED: MLL	REVISION: -
PLOT DATE: 2/26/2026	DATE: 02/26/2026	REVISION: -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT DETAILS

SCALE:	SHEET 14 OF 14 SHEETS	STA. TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	(102BR-4)BJR	WINNEBAGO	47	47
CONTRACT NO. 64U90				
ILLINOIS FED. AID PROJECT				