

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	1
		ILLINOIS	CONTRACT NO. 64U89	

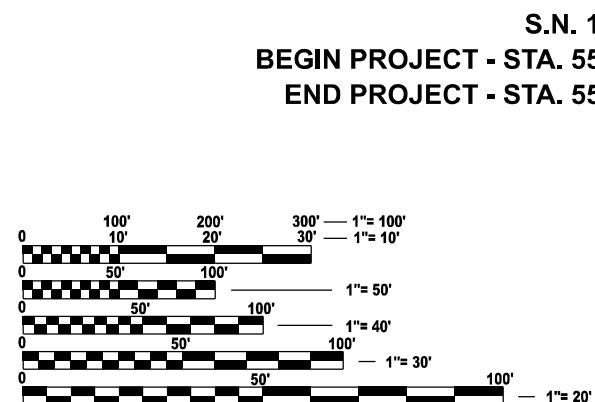
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PROPOSED HIGHWAY PLANS

**FAP 301 (US ROUTE 20)
SECTION (17R-1BR-1)BDR
BRIDGE REHABILITATION
WINNEBAGO COUNTY
C-92-115-25**

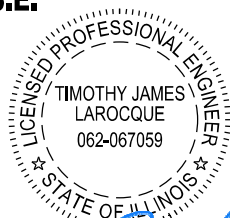
FOR LIST OF STANDARDS, SEE SHEET NO. 2



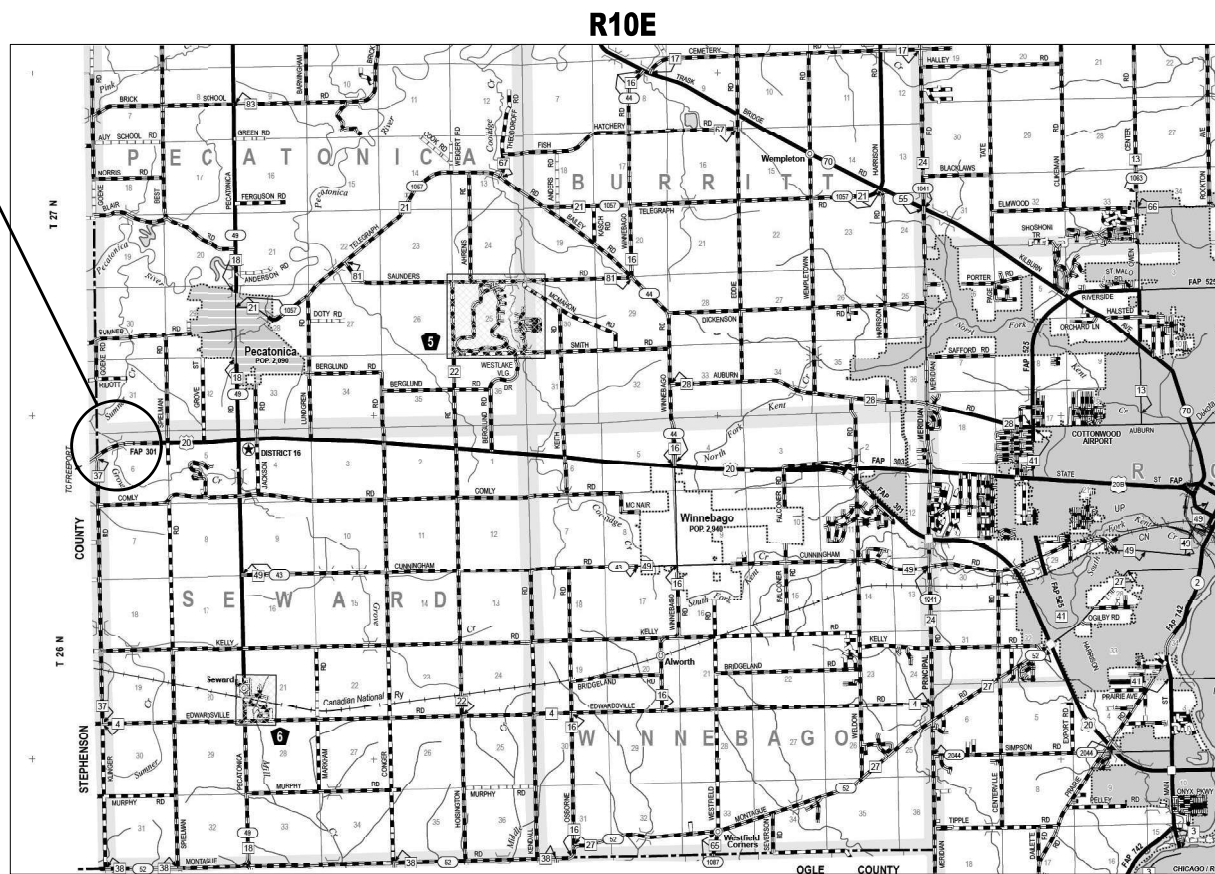
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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: 02/06/26



GROSS LENGTH = 254 FT. = 0.048 MILE
NET LENGTH = 254 FT = 0.048 MILE

Farnsworth GROUP
CONTRACT NO. 64U89



FUNCTIONAL CLASSIFICATION
OTHER PRINCIPAL ARTERIAL
2023 ADT = 6,500 (EB)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED February 10, 2026
Jillia Thompson
REGIONAL ENGINEER

March 20, 2026
Scott E. [Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 20, 2026
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

- 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.
- 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.
- 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.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 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.
- THE BARRIER UNIT AT EACH END SHALL BE ANCHORED AS SPECIFIED IN ARTICLE 704.04. ALL ANCHORING AND PINNING HOLES SHALL BE CORE DRILLED.
- 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.
- 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.
- 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.

- 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.
- PAVEMENT MARKINGS SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
 - ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
 - ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
 - 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
 - CENTERLINE SKIP DASH PAVEMENT MARKINGS ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED AND ONE-WAY ROADWAYS SHALL BE ACCORDING TO DISTRICT STANDARD 41.1.
- 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	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
631031-18	TRAFFIC BARRIER TERMINAL, TYPE 6
642001-03	SHOULDER RUMBLE STRIPS 16"
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15 FT AWAY
701400-12	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-13	LANE CLOSURE, FREEWAY/EXPRESSWAY
701402-12	LANE CLOSURE, FREEWAY/EXPRESSWAY, WITH BARRIER
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45 MPH
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
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
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
MIXTURE USE:	HMA SURFACE
PG	SBS PG 64-28
DESIGN AIR VOIDS	4.0% @ $N_{DES} = 70$
MIXTURE COMPOSITION (GRADATION)	IL 9.5
FRICTION AGGREGATE	MIX "D"
MIXTURE WEIGHT	112 LB / SQ YD * IN
QUALITY MANAGEMENT PLAN	QC/QA
SUBLOT SIZE	N/A

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, HIGHWAY STANDARDS, AND COMMITMENTS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	2
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				

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

100% STATE

CODE NO.	ITEM	UNIT	0013 TOTAL QUANTITY
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	240
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	534
40600990	TEMPORARY RAMP	SQ YD	90
40604162	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	46
44201737	CLASS D PATCHES, TYPE 1, 8 INCH	SQ YD	4
50102400	CONCRETE REMOVAL	CU YD	25
50200100	STRUCTURE EXCAVATION	CU YD	61
50300255	CONCRETE SUPERSTRUCTURE	CU YD	8
50300300	PROTECTIVE COAT	SQ YD	738
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	22
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	5,100
50800515	BAR SPLICERS	EACH	52
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	37
53016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	5

100% STATE

CODE NO.	ITEM	UNIT	0013 TOTAL QUANTITY
53101002	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	685
53101409	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	731
53212754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	10
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	56
58700300	CONCRETE SEALER	SQ FT	738
59000200	EPOXY CRACK INJECTION	FOOT	32
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	44
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	2
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	240
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4
67100100	MOBILIZATION	L SUM	1
70100207	TRAFFIC CONTROL AND PROTECTION, STANDARD 701402	EACH	1
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	14

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STATE OF ILLINOIS
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SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	3
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				

100% STATE

CODE NO.	ITEM	UNIT	0013 TOTAL QUANTITY
70300100	SHORT TERM PAVEMENT MARKING	FOOT	40
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,104
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	6,336
70400100	TEMPORARY CONCRETE BARRIER	FOOT	863
70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	24
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	775
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	1
* 78004645	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 9"	FOOT	50
* 78006130	PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	260
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1917
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	1917
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	260
* 78011050	GROOVING FOR RECESSED PAVEMENT MARKING 10"	FOOT	50

*= SPECIALTY ITEM

100% STATE

CODE NO.	ITEM	UNIT	0013 TOTAL QUANTITY
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	735
X0325748	ACRYLIC COATING	SQ YD	85
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	438
X5080530	BAR TERMINATORS	EACH	88
X5230172	DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	1
* X7820008	BARRIER WALL REFLECTORS (SPECIAL)	EACH	4
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	656

*= SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	4
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				

ROADWAY ITEMS										
LOCATION			LT/RT	40600290 BITUMINOUS MATERIALS (TACK COAT)	40600982 HMA SURFACE REMOVAL - BUTT JOINT	40600990 TEMPORARY RAMP	40604162 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "D", N70	64200116 SHOULDER RUMBLE STRIPS, 16 INCH	78100100 RAISED REFLECTIVE PAVEMENT MARKER	78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STA.	TO	STA.		POUND	SQ YD	SQ YD	TON	FOOT	EACH	EACH
552+72.7	TO	556+32.7		120	267	45	23	120	1	1
557+96.7	TO	558+56.7		120	267	45	23	120	1	1
TOTAL				240	534	90	46	240	2	2

GUARDRAIL ITEMS			
LOCATION	44201737 CLASS D PATCHES, TYPE 1, 8 INCH	63302700 REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	X7820008 BARRIER WALL REFLECTORS (SPECIAL)
QUADRANT	SQ YD	EACH	EACH
NORTHWEST	2	1	
SOUTHWEST	2	1	
NORTH PARAPET			2
SOUTH PARAPET			2
TOTAL	4	2	4

TRAFFIC CONTROL & PROTECTION ITEMS												
LOCATION			LT/RT	70107025 CHANGEABLE MESSAGE SIGN	70300100 SHORT TERM PAVEMENT MARKING	70300150 SHORT TERM PAVEMENT MARKING REMOVAL	70307120 TEMPORARY PAVEMENT MARKING - LINE 4" TYPE IV TAPE	70400100 TEMPORARY CONCRETE BARRIER	70400125 PINNING TEMPORARY CONCRETE BARRIER	70400200 RELOCATE TEMPORARY CONCRETE BARRIER	70600250 IMPACT ATTENUATORS TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	70600350 IMPACT ATTENUATORS RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3
STA.	TO	STA.		CAL DAY	FOOT	SQ FT	FOOT	FOOT	EACH	FOOT	EACH	EACH
STAGE 1				7								
540+56	TO	562+50				1036	3,138					
552+75.8	TO	561+50						863	12		1	
STAGE 2				7								
540+27	TO	562+50				1,055	3,198					
553+63.2	TO	561+50							12	775		1
POST STAGE 1 & 2					40	13						
TOTAL				14	40	2,104	6,336	863	24	775	1	1

PAVEMENT MARKING ITEMS										
LOCATION			LT/RT	78004645 PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 9"	78006130 PREFORMED THERMOPLASTIC PAVEMENT MARKING - LINE 6"	78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	78011025 GROOVING FOR RECESSED PAVEMENT MARKING 5"	78011035 GROOVING FOR RECESSED PAVEMENT MARKING 7"	78011150 GROOVING FOR RECESSED PAVEMENT MARKING 10"	78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING MARKING 10"
STA.	TO	STA.		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
550+26.5	TO	562+50	CL		260			260		102
552+76.5	TO	562+50	12' RT			973	973			321
553+06	TO	562+50	12' LT			944	944			312
556+32.7	TO	557+96.7	CL	50				50		
557+96.7	TO	558+56.7	CL							
TOTAL				50	260	1917	1917	260	50	735

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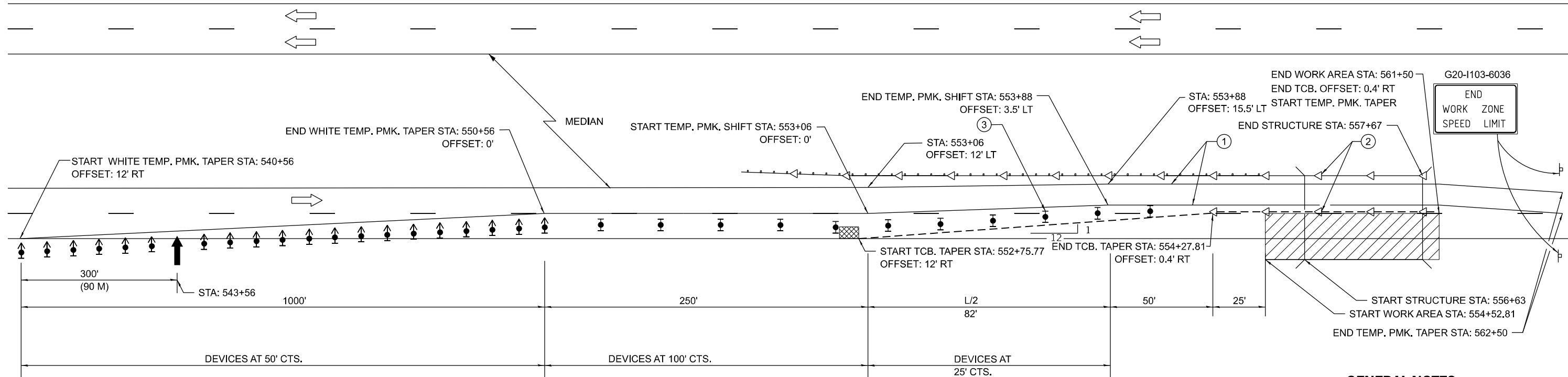
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SCHEDULE OF QUANTITIES









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SEE STANDARD 701400 FOR APPROACH START OF LANE CLOSURE TAPER

SYMBOLS

-  ARROW BOARD
-  WORK AREA
-  SIGN
-  DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
-  TEMPORARY CONCRETE BARRIER
-  MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
-  IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

- ① TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE RIGHT EDGE LINE SHALL BE WHITE AND THE LEFT EDGE LINE SHALL BE YELLOW.
- ② GUARDRAIL/BARRIER WALL REFLECTORS AT 25' (7.6 M). MARKERS ON RIGHT SHALL BE CRYSTAL AND MARKERS ON LEFT SHALL BE AMBER. SEE STANDARDS 704001 AND 782006.
- ③ VERTICAL BARRICADES SHALL NOT BE USED IN LANE SHIFT TAPER.

- NOTES:
1. ROAD CLOSED AHEAD SIGNS TO BE PLACED ON KLINGER ROAD. CONTRACTOR TO VERIFY LOCATIONS WITH ENGINEER.
 2. IDOT HIGHWAY STANDARD 701402 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.
 3. OFFSETS ARE TO THE CENTERLINE SKIP DASH PAVEMENT MARKING.
 4. BARRIER WALL OFFSETS ARE TO THE CONSTRUCTION SIDE OF THE WALL.

GENERAL NOTES

THIS DETAIL IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCROACH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24 (600) OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

THIS DETAIL MUST ALWAYS BE USED IN COMBINATION WITH STANDARD 701400.

THIS DETAIL IS NOT DRAWN TO SCALE.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

CALCULATE L AS FOLLOWS:

NORMAL POSTED SPEED	FORMULAS
45 MPH OR MORE	ENGLISH $L=(W)(S)$

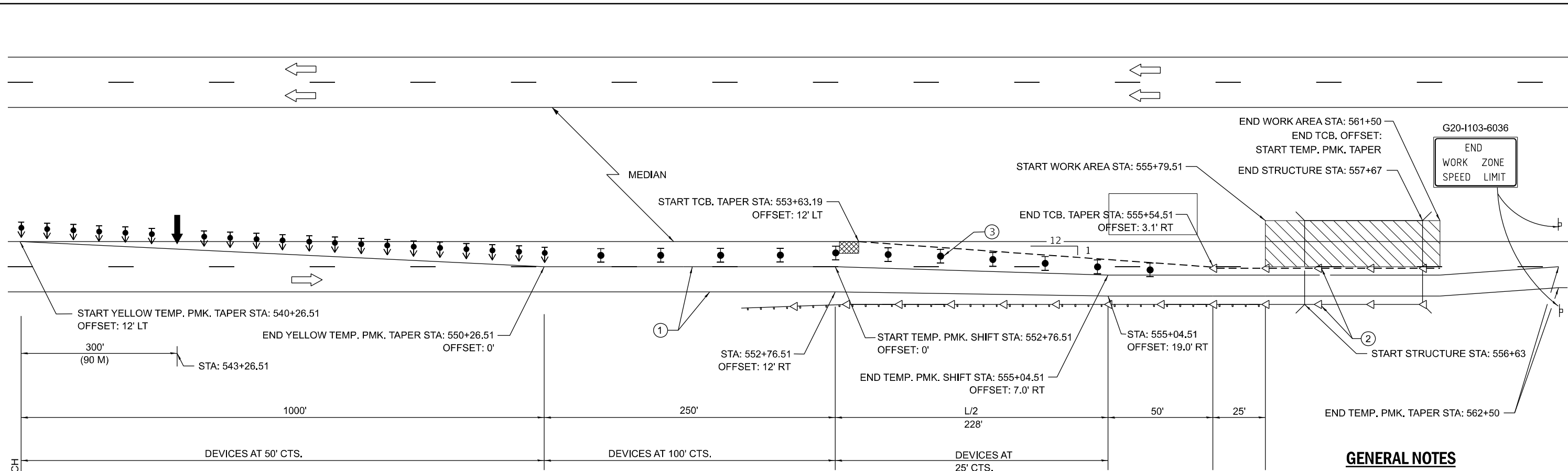
W = WIDTH OF OFFSET IN FEET

S = NORMAL POSTED SPEED IN MPH

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

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	PLOT DATE = 2/26/2026	DATE = 02/26/2026	DRAWN - DJM		REVISED -	SCALE: N.T.S.	SHEET 1 OF 2 SHEETS	STA.	TO STA.	301	(17R-1BR-1)BDR	WINNEBAGO
		CHECKED - MLL	REVISED -					CONTRACT NO. 64U89				
			REVISED -					ILLINOIS FED. AID PROJECT				



SEE STANDARD 701400 FOR APPROACH START OF LANE CLOSURE TAPER

SYMBOLS

- ARROW BOARD
- WORK AREA
- SIGN
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TYPE II BARRICADE, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- TEMPORARY CONCRETE BARRIER
- MONODIRECTIONAL GUARDRAIL/BARRIER WALL REFLECTOR
- IMPACT ATTENUATOR, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

- ① TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND ALONG-SIDE THE WORK AREA. THE RIGHT EDGE LINE SHALL BE WHITE AND THE LEFT EDGE LINE SHALL BE YELLOW.
- ② GUARDRAIL/BARRIER WALL REFLECTORS AT 25' (7.6 M). MARKERS ON RIGHT SHALL BE CRYSTAL AND MARKERS ON LEFT SHALL BE AMBER. SEE STANDARDS 704001 AND 782006.
- ③ VERTICAL BARRICADES SHALL NOT BE USED IN LANE SHIFT TAPER.

- NOTES:**
- ROAD CLOSED AHEAD SIGNS TO BE PLACED ON KLINGER ROAD. CONTRACTOR TO VERIFY LOCATIONS WITH ENGINEER.
 - IDOT HIGHWAY STANDARD 701402 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.
 - OFFSETS ARE TO THE CENTERLINE SKIP DASH PAVEMENT MARKING.
 - BARRIER WALL OFFSETS ARE TO THE CONSTRUCTION SIDE OF THE WALL.

GENERAL NOTES

THIS DETAIL IS USED WHERE AT ANY TIME ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES WILL ENCROACH ON THE PAVEMENT OR ON THE SHOULDER WITHIN 24 (600) OF THE EDGE OF PAVEMENT FOR DAYLIGHT OPERATION EXCEEDING ONE DAY AND WHERE TEMPORARY CONCRETE BARRIER IS UTILIZED.

THIS DETAIL MUST ALWAYS BE USED IN COMBINATION WITH STANDARD 701400.

THIS DETAIL IS NOT DRAWN TO SCALE.

TEMPORARY CONCRETE BARRIER SHALL BE ACCORDING TO STANDARD 704001.

CALCULATE L AS FOLLOWS:

NORMAL POSTED SPEED	FORMULAS
45 MPH OR MORE	ENGLISH L=(W)(S)

W = WIDTH OF OFFSET IN FEET

S = NORMAL POSTED SPEED IN MPH

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.

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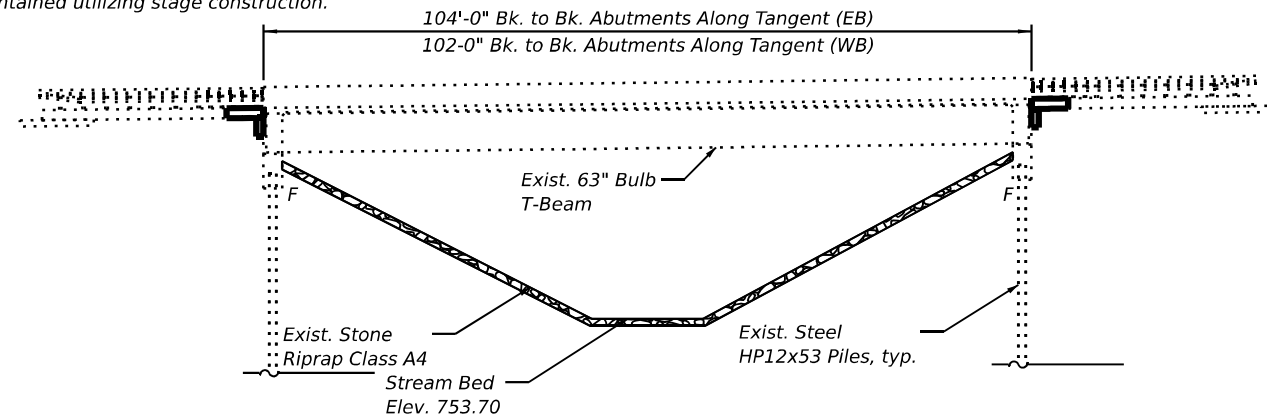
	USER NAME = dmeyer	DESIGNED - TJL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGING DETAILS STAGE 2		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT DATE = 2/26/2026	DATE - 02/26/2026	REVISI				301	(17R-1BR-1)BDR	WINNEBAGO	30	7
				SCALE: N.T.S. SHEET 2 OF 2 SHEETS STA. TO STA.		CONTRACT NO. 64U89		ILLINOIS FED. AID PROJECT			

Benchmark: Existing BM #32 "□" chiseled on north end of west abutment backwall at eastbound bridge (SN 101-0167), Elevation = 782.60. Contractor to verify.

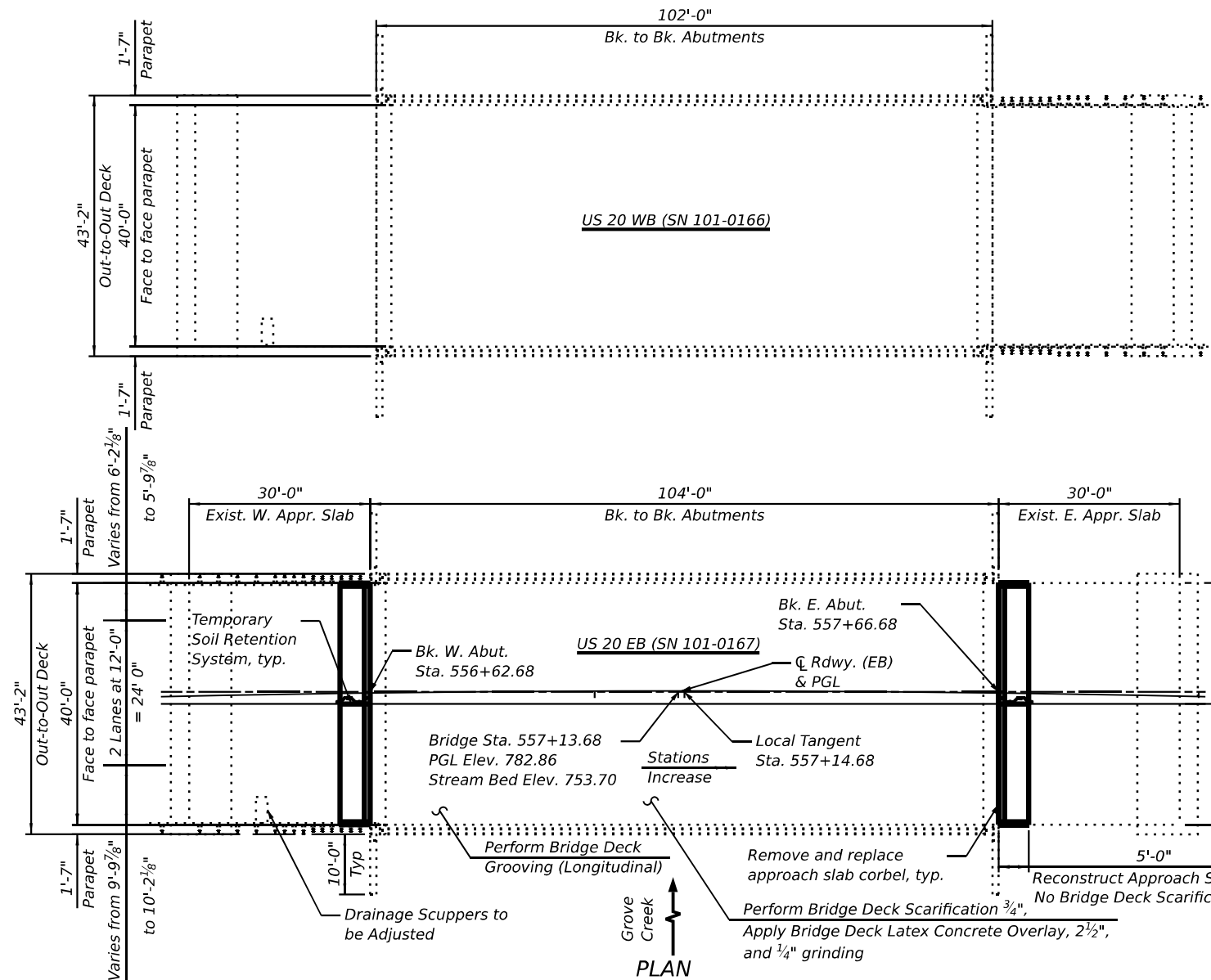
Existing Structure: The existing structure carrying FAP Route-301 (US-20) over Grove Creek was built in 1995 as part of Section 17R-1BR-1. The structure carries two lanes of traffic eastbound utilizing 12ft lanes and varying shoulder width along each side of the bridge. The Superstructure consists of 1-Span (101'-6") 6-63" Bulb-T PPC Beams supporting 7.5" reinforced concrete deck. The total length of the bridge is 104'-0" (back-to-back of abutments). The bridge width is 43'-2" (out-to-out deck). The substructure consists of cast-in-place concrete abutments founded on one row of piles.

Traffic is to be maintained utilizing stage construction.

No salvage.



ELEVATION
(Looking North)



PLAN

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)

PROPOSED DESIGN STRESSES
FIELD UNITS

f_c = 4,000 psi
f_y = 60,000 psi (Reinforcement)

LOADING HS20-44

No future wearing surface is allowed



GENERAL PLAN AND ELEVATION
US 20 EB OVER GROVE CREEK
F.A.P. ROUTE 301 - SECTION 17R-1BR-1
WINNEBAGO COUNTY
STATION 557+13.68
STRUCTURE NO. 101-0167



William Mardaus
WILLIAM MARDAUSS, P.E., S.E. DATE: 02/26/2026
LICENSE EXPIRES 11 / 30 / 2026
SHEET RANGE 8 TO 20

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET 1 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	8
CONTRACT NO. 64U89				

ILLINOIS FED. AID PROJECT

GENERAL NOTES

- Reinforcement bars designated (E) shall be epoxy coated.
- 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 the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- The Contractor may request copies of existing construction plans that are currently on file with the Illinois Department of Transportation (IDOT). The request shall be in writing with the understanding that any reproduction cost will be the Contractor's expense and at no additional cost to the Department.
- Bars noted thus, 3x2-#5, indicates 3 lines of #5 bars with 2 lengths of bars per line.
- Cover from the face of concrete to face of reinforcement bars shall be 3" for surfaces formed against earth and 2" for all other surfaces unless otherwise shown.
- All exposed concrete edges shall have a 3/4"x 45° chamfer except where shown otherwise.
- 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. Cost included with Concrete Removal.
- Protective Coat shall be applied to top of the Latex Concrete Overlay and to top of new concrete areas.
- Acrylic Coating shall be applied to top and inside faces of the parapets.
- It shall be the Contractors responsibility to locate and protect any utilities or facilities on, within or under the bridge deck including but not limited to under deck lighting, traffic signals or signs attached to the structure. Any damage to existing utilities caused by the Contractor in the performance of the work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.
- The Contractor is responsible to remove, support and reinstall all existing electrical conduits interfering with the work.
- Concrete Sealer shall be applied according to Section 587 of the Standard Specifications to all exposed faces of the abutments and wingwalls.
- Prior to the application of the Concrete Sealer, the Contractor shall clean all existing debris from the abutments, end diaphragms and wingwalls. The method of debris removal shall not damage the existing concrete and shall be approved by the Engineer. See special provision for Debris Removal.
- The Engineer shall show actual locations and size of deck repairs on As-built Plans.

INDEX OF SHEETS

S-01	General Plan And Elevation
S-02	General Notes, Index Of Sheets And TBOM
S-03	Stage Construction
S-04	Temporary Concrete Barrier
S-05	Deck Repair Plan and Overlay Details
S-06	Parapet Repairs
S-07	Diaphragms Modification Details
S-08	West Approach Slab Repair Plan and Overlay Details
S-09	East Approach Slab Repair Plan and Overlay Details
S-10	West Abutment And Wingwalls Repairs
S-11	East Abutment And Wingwalls Repairs
S-12	Miscellaneous Details
S-13	Bar Splicer Assembly and Mechanical Splicer Details

SCOPE OF WORK

- Scarify 3/4" from the bridge deck and approach slabs portions to remain.
- Perform Deck Slab Repairs.
- Reconstruct approach slabs support within the end diaphragms.
- Apply 2 1/2" Bridge Deck Latex Concrete Overlay on Bridge Deck and approach slabs.
- Perform 3/4" Diamond Grinding to top of bridge deck and approach slabs.
- Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
- Apply Protective Coat to top of the Latex Concrete Overlay, and to top of new concrete areas.
- Apply Acrylic Coating to top and inside faces of the parapets.
- Perform structural repair of concrete to all spalled and delaminated areas, and perform epoxy crack injection to all open cracks (1/8" - wide and wider) for the abutments and diaphragms as noted on the plans.
- Apply Concrete Sealer to all exposed faces of the abutments and wingwalls.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
CONCRETE REMOVAL	CU YD	25.0
STRUCTURE EXCAVATION	CU YD	61.0
CONCRETE SUPERSTRUCTURE	CU YD	8.0
PROTECTIVE COAT	SQ YD	738
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	22.0
REINFORCEMENT BARS, EPOXY COATED	POUND	5,100
BAR SPLICERS	EACH	52
TEMPORARY SOIL RETENTION SYSTEM	SQ FT	37
DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	5
BRIDGE DECK SCARIFICATION 3/4"	SQ YD	685
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2"	SQ YD	731
STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	10
GRANULAR BACKFILL FOR STRUCTURES	CU YD	56.0
CONCRETE SEALER	SQ FT	738
EPOXY CRACK INJECTION	FOOT	32
GEOCOMPOSITE WALL DRAIN	SQ YD	44
ACRYLIC COATING	SQ YD	85
BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	438
BAR TERMINATORS	EACH	88
DRAINAGE SCUPPERS TO BE ADJUSTED	EACH	1
DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	656

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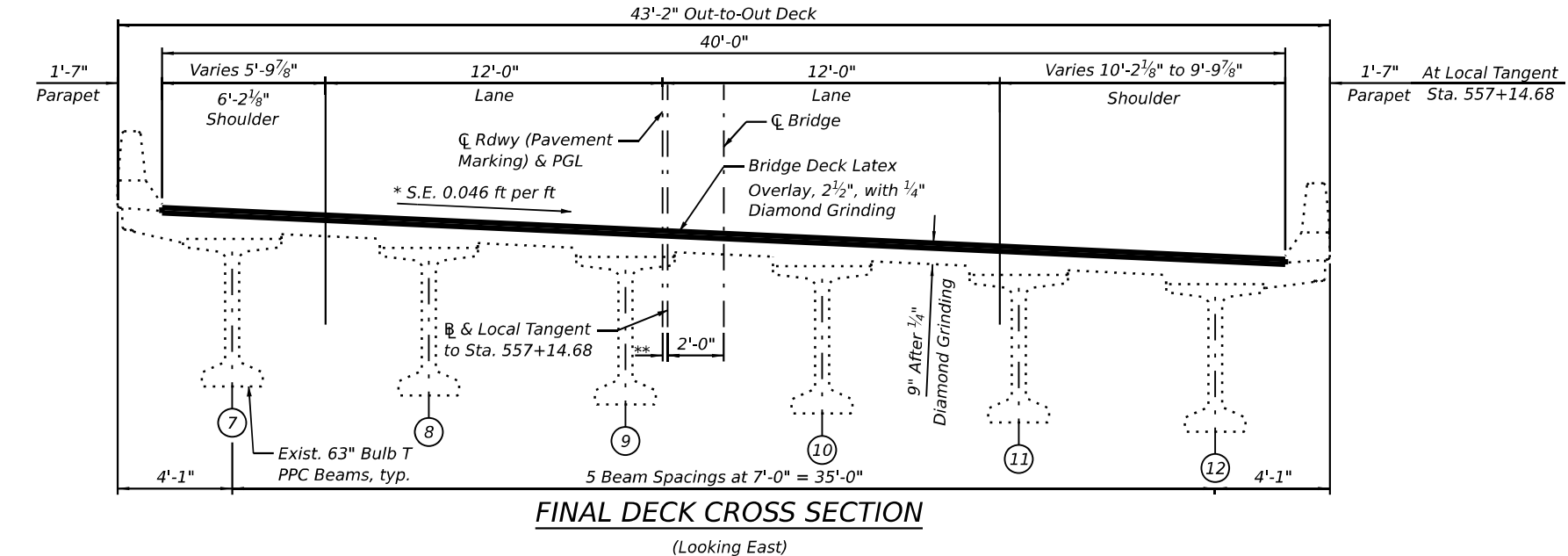
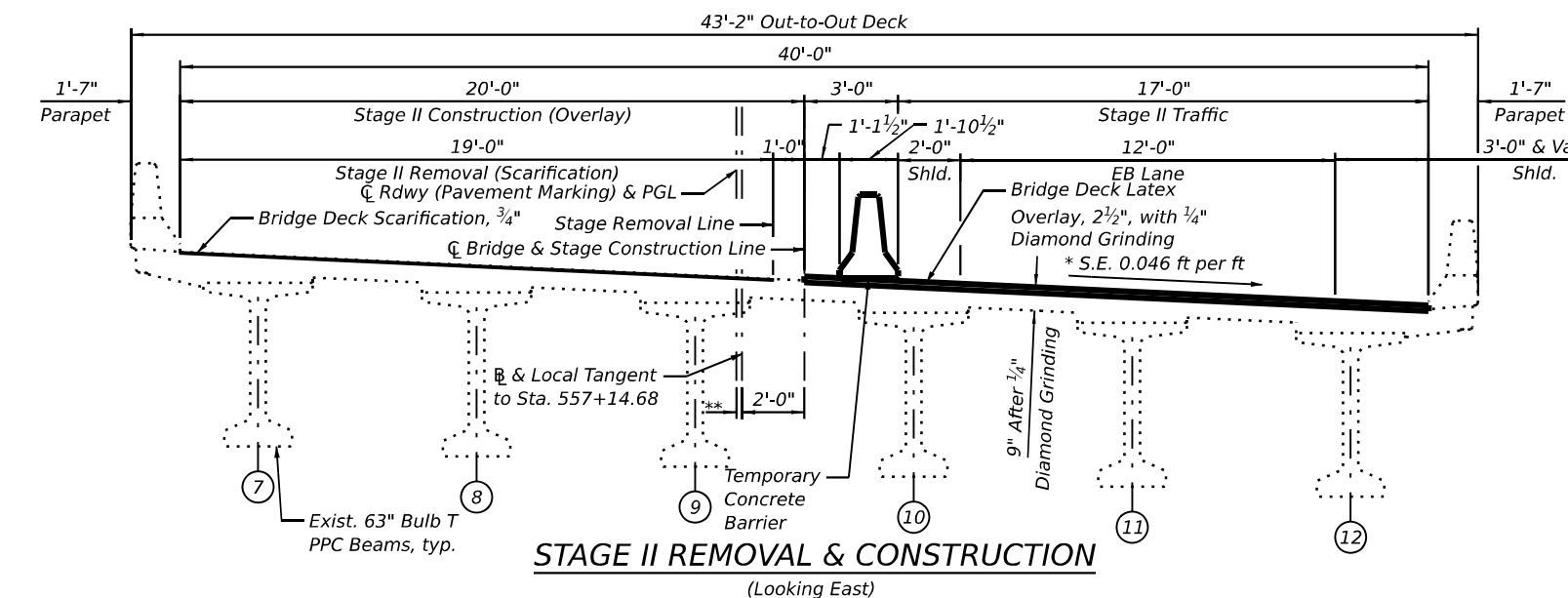
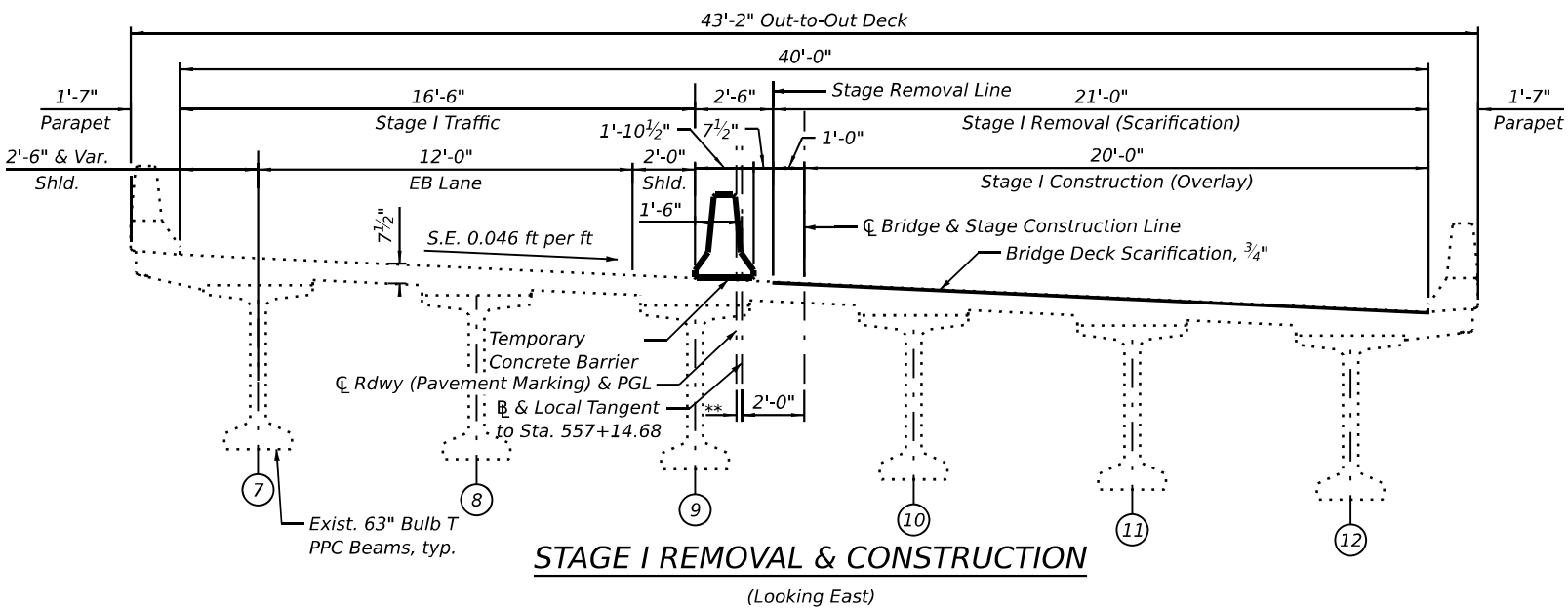
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PLOT DATE = 2/24/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, INDEX OF SHEETS AND TBOM
STRUCTURE NO. 101-0167**

SCALE: SHEET 2 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	9
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				



STAGE I REMOVAL

1. Install temporary concrete barrier as shown to locate traffic on the north side of the existing structure.
2. Perform 3/4" bridge deck scarification.
3. Remove portions of bridge concrete approach slab adjacent to end concrete diaphragms at the west and east abutments.

STAGE I Construction

1. Perform bridge deck slab repairs.
2. Reconstruct portion of the concrete end diaphragm supporting the approach slabs within the limits of Stage I Construction.
3. Perform structural repair of concrete and epoxy crack injection for the abutments and diaphragms.
4. Apply 2 1/2" Bridge Deck Latex Concrete Overlay.
5. Perform 1/4" Diamond Grinding to bridge deck and both approaches.
6. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
7. Apply Protective Coat to top of the Latex Concrete Overlay, and to top of new concrete areas.
8. Apply Acrylic Coating to top and inside faces of the parapets.

STAGE II REMOVAL

1. Install temporary concrete barrier as shown to locate traffic on the south side of the existing structure.
2. Perform 3/4" bridge deck scarification.
3. Remove portions of bridge concrete approach slab adjacent to end concrete diaphragms at the west and east abutments.

STAGE II Construction

1. Perform bridge deck slab repairs.
2. Reconstruct portion of the concrete end diaphragm supporting the approach slabs within the limits of Stage II Construction.
3. Perform structural repair of concrete and epoxy crack injection for the abutments and diaphragms.
4. Apply 2 1/2" Bridge Deck Latex Concrete Overlay.
5. Perform 1/4" Diamond Grinding to bridge deck and both approaches.
6. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
7. Apply Protective Coat to top of the Latex Concrete Overlay, and to top of new concrete areas.
8. Apply Acrylic Coating to top and inside faces of the parapets.

* Match existing cross slopes

** Varies from 0" to 2 1/8", see existing drawings for offset sketch.

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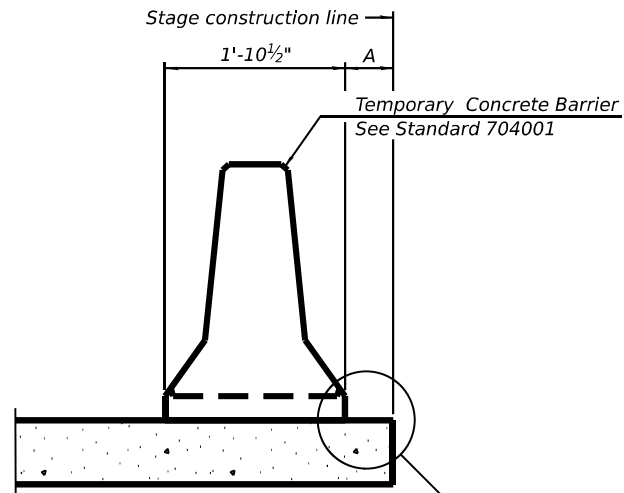
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STAGE CONSTRUCTION
STRUCTURE NO. 101-0167**

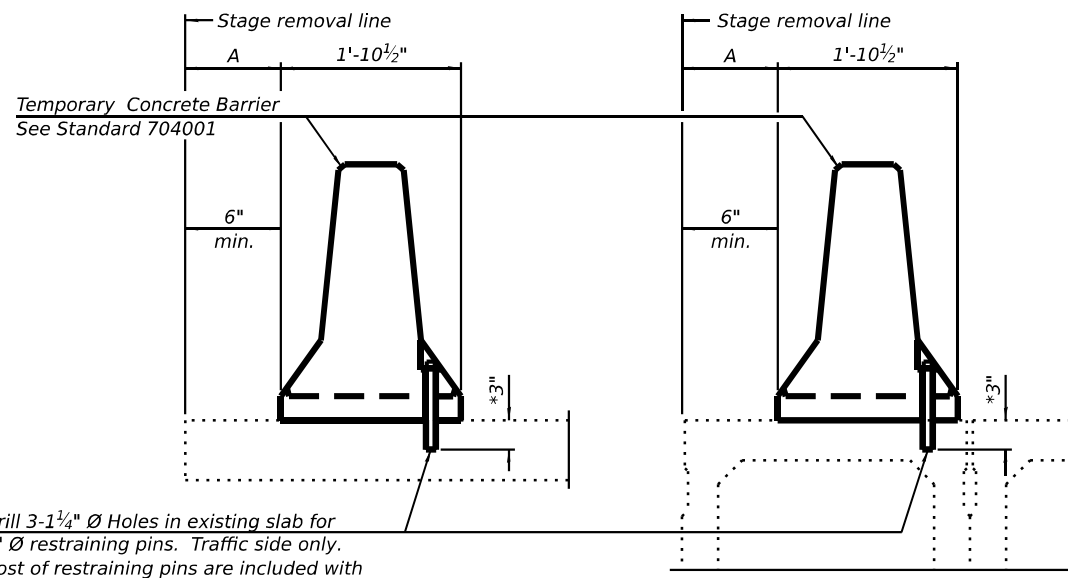
SCALE: SHEET 3 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	10
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64U89	



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



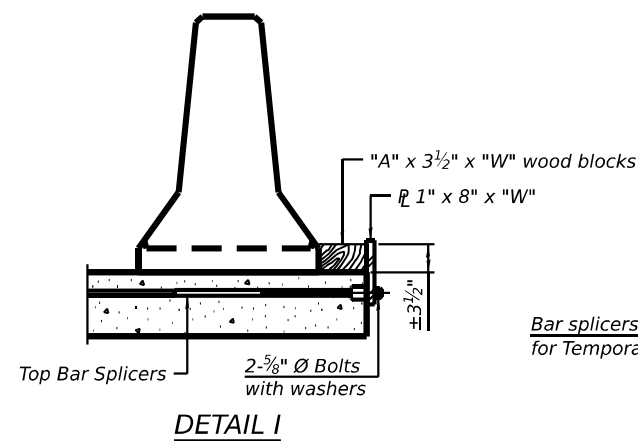
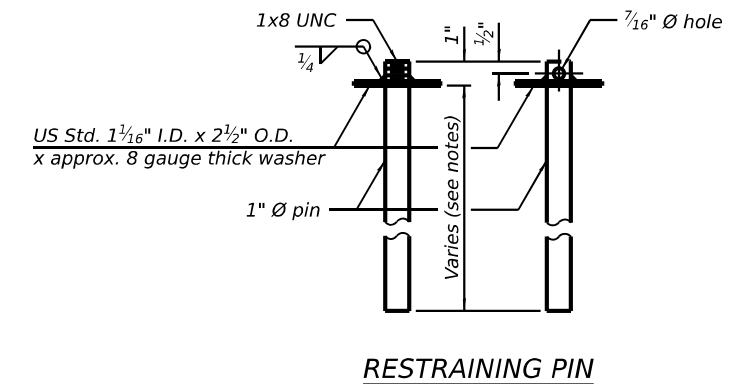
Drill 3-1 1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

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

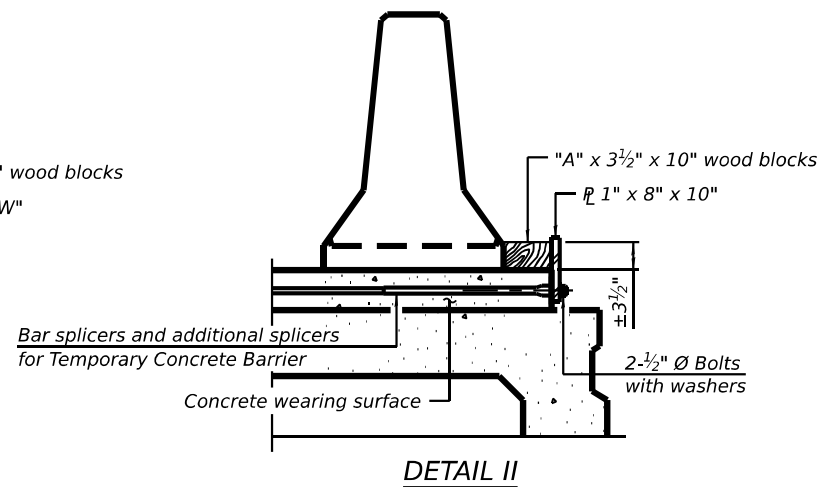
EXISTING SLAB

EXISTING DECK BEAM

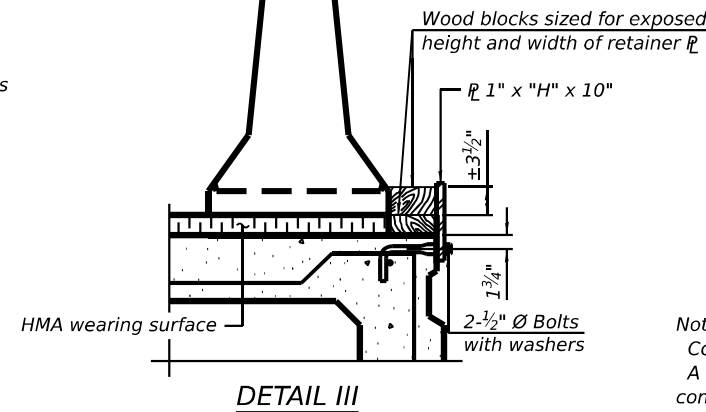
SECTIONS THRU SLAB OR DECK BEAM



DETAIL I



DETAIL II

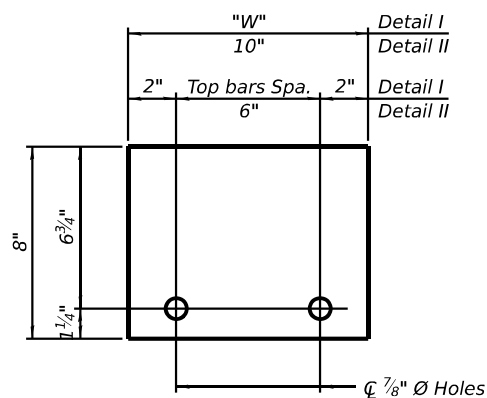


DETAIL III

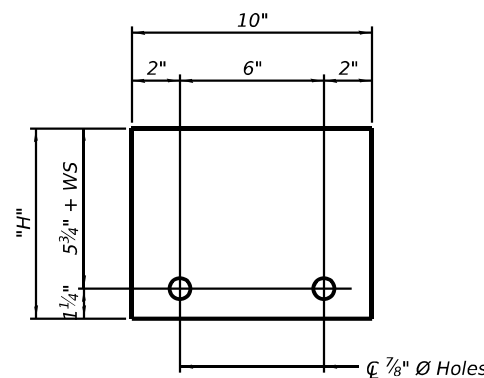
BAR SPLICER FOR #4 BAR - DETAIL III

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

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



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



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

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 5-15-2023

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

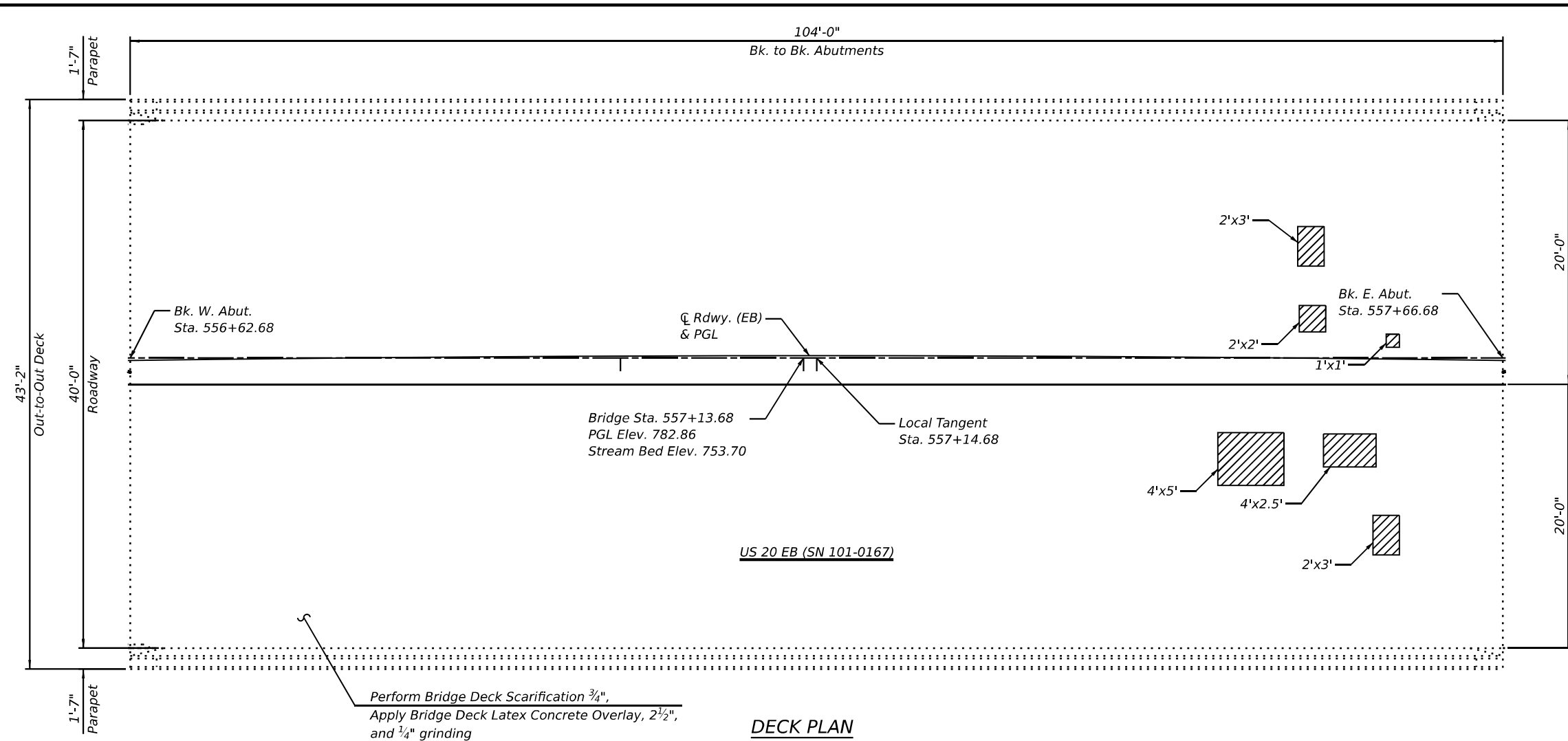
**TEMPORARY CONCRETE BARRIER
STRUCTURE NO. 101-0167**

SCALE: SHEET 4 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	11
CONTRACT NO. 64U89			ILLINOIS FED. AID PROJECT	

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	5

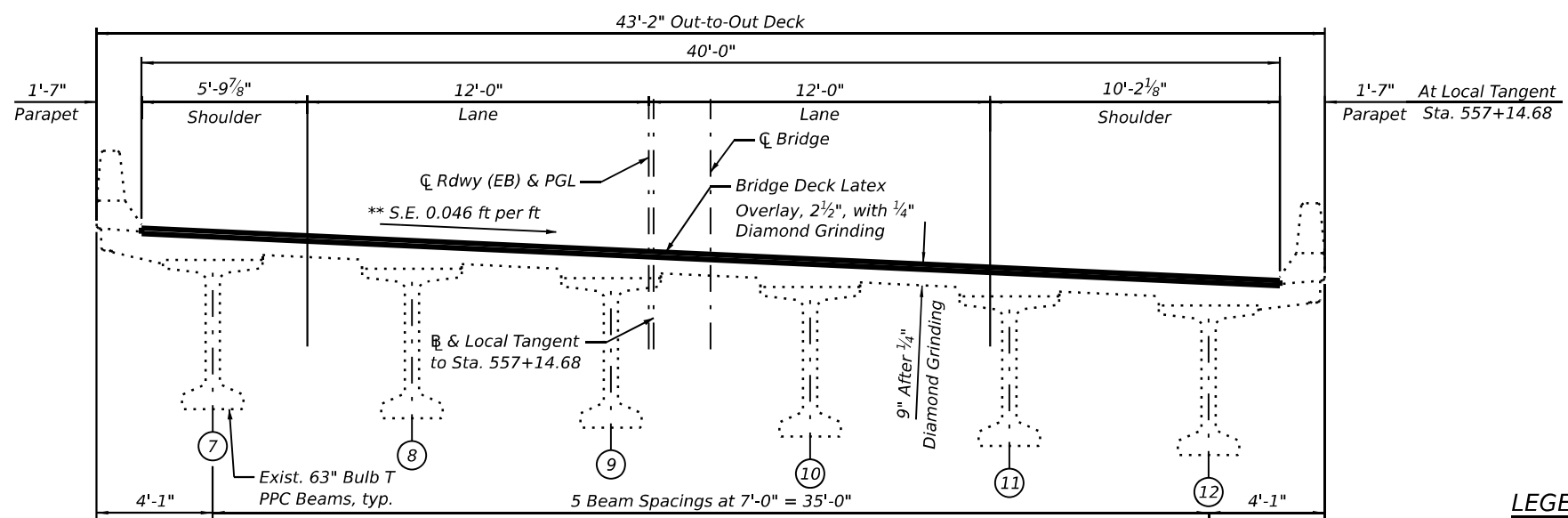


Perform Bridge Deck Scarification 3/4",
Apply Bridge Deck Latex Concrete Overlay, 2 1/2",
and 1/4" grinding

DECK PLAN

NOTES:

1. Repair areas shown are estimated based on field inspections performed in December 2025. Actual repair limits shall be verified in accordance with the Special Provisions and documented by the Engineer on the As-Built plan sheets.
2. For parapets repairs, see Sheet 6 of 13.
3. For concrete diaphragm reconstruction, see Sheet 7 of 13.
4. Perform 1/4" Diamond Grinding to the top of bridge deck and approach slabs.
5. Perform Bridge Deck Grooving (Longitudinal) on traffic lanes.
6. Protective Coat shall be applied to the top of latex concrete overlay.
7. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system at the Contractor's expense.
8. The Contractor shall exercise extreme caution during Concrete Removal to avoid damaging the PPC beams and diaphragms to remain. Any damage to the existing beams and/or diaphragms to remain caused by the Contractor in the performance of his/her work shall be repaired by the Contractor, to the satisfaction of the Engineer, at no cost to the Department.



DECK CROSS SECTION
(Looking East)

* Areas of Deck Slab Repair (Partial) are provided for information only and shall be included in the cost of Bridge Deck Latex Concrete Overlay, 2 1/2"

** Match existing slope

LEGEND

- * Deck Slab Repair, (Partial Depth) Total Area = 6 Sq. Yd.
- Sq. Yd. Square Yard

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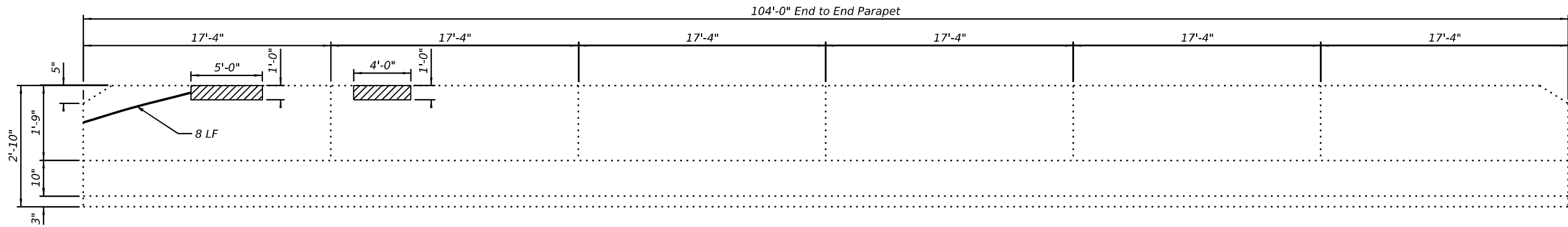
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

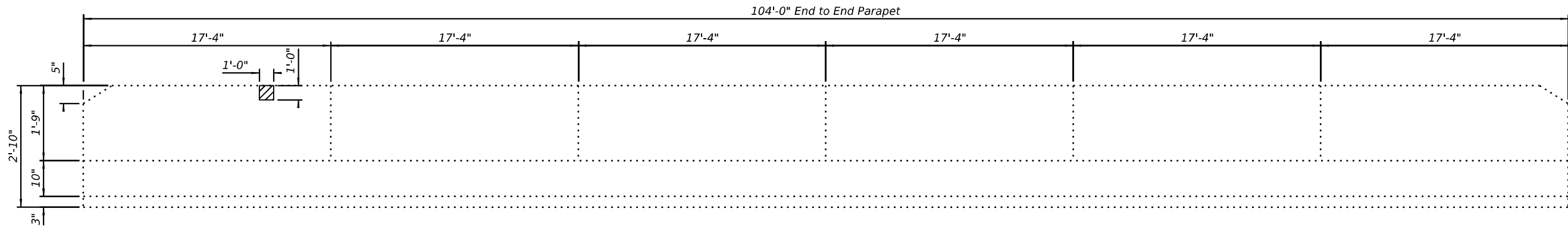
DECK REPAIR PLAN AND OVERLAY DETAILS
STRUCTURE NO. 101-0167

SCALE: SHEET 5 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	12
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				



INSIDE ELEVATION OF NORTH PARAPET



INSIDE ELEVATION OF SOUTH PARAPET

BILL OF MATERIAL - NORTH PARAPET

Item	Unit	Total
Epoxy Crack Injection	Foot	8
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	9

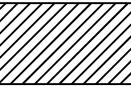

BILL OF MATERIAL - SOUTH PARAPET

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	1

NOTES:

- All dimensions are measured along the inside face of parapets.
- 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.
- Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired and the type(s) of repairs to be used will be determined by the Engineer in the field at the time of construction.
- Acrylic Coating shall be applied to top and inside faces of the parapets.

LEGEND

-  Structural Repair of Concrete (Depth Equal or less than 5 inches)
-  Epoxy Crack Injection (Width > 0.06")
- LF Linear Foot

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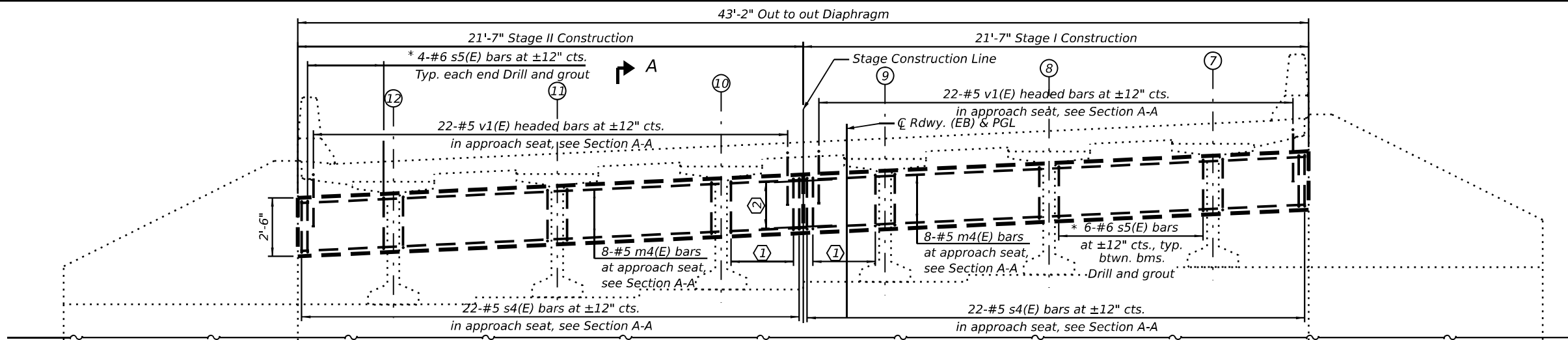
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PLOT DATE = 2/24/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PARAPETS REPAIRS
STRUCTURE NO. 101-0167**

SCALE: SHEET 6 OF 13 SHEETS STA. TO STA.

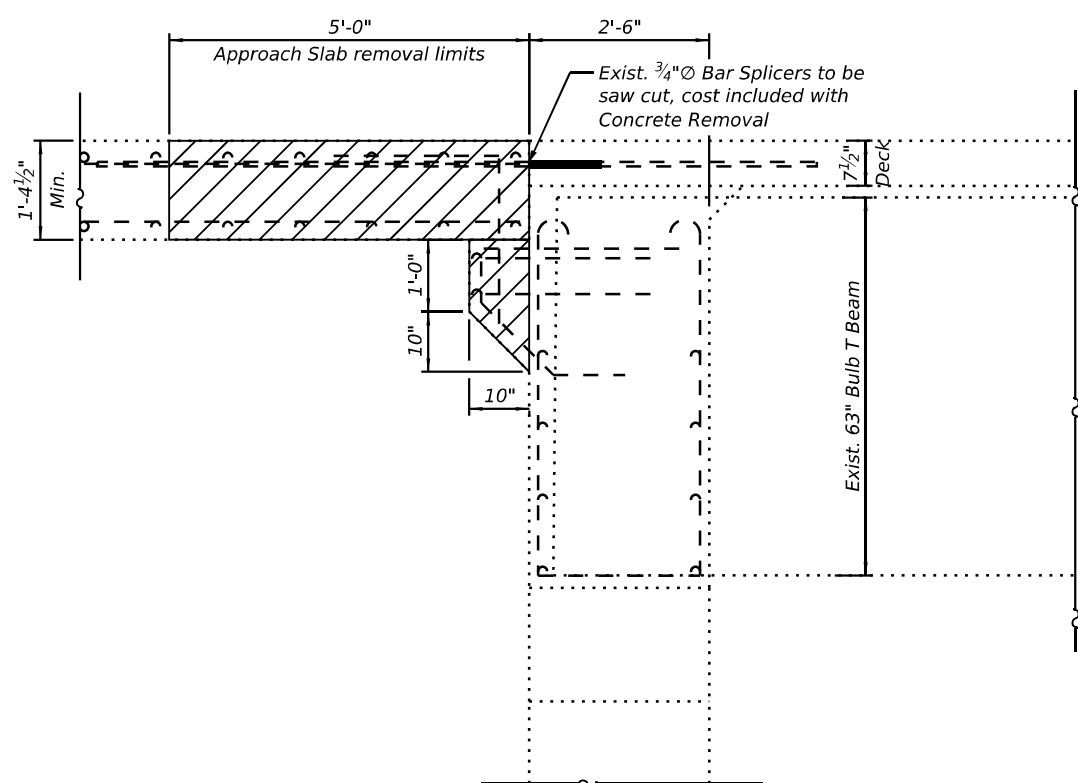
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	13
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				



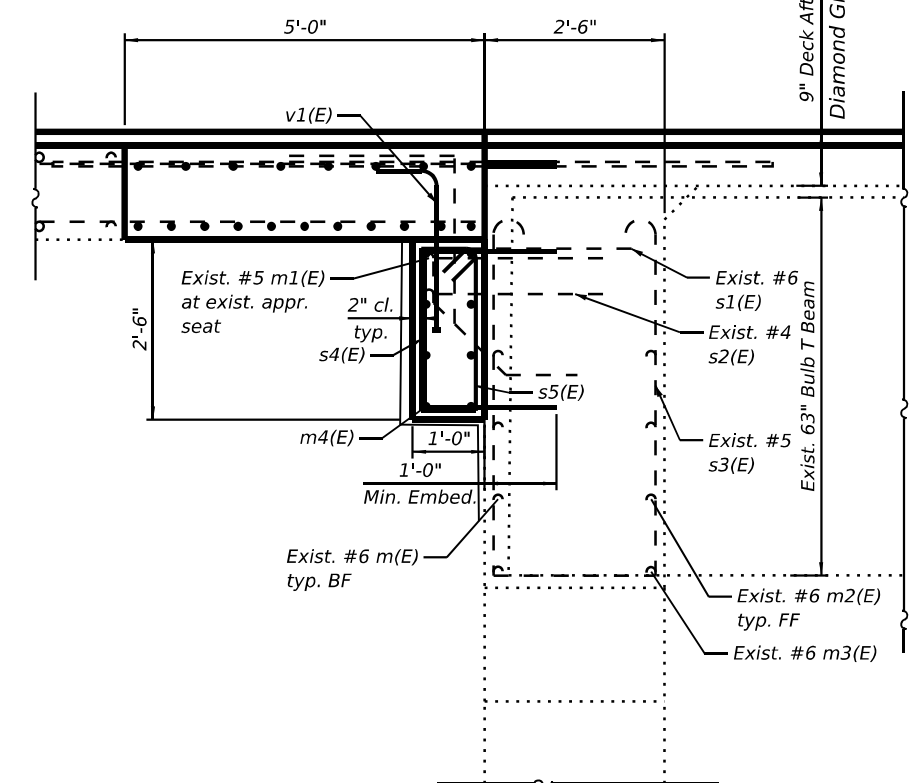
DIAPHRAGM ELEVATION
 (Showing proposed reinforcement in approach seat, existing reinforcement is not shown for clarity)
 (Looking West at West Diaphragm, East Diaphragm opposite hand)

① * 4-#6 s5(E) bars at ±12" cts. Drill and grout
 ② 8-#5 bar splicers at approach seat

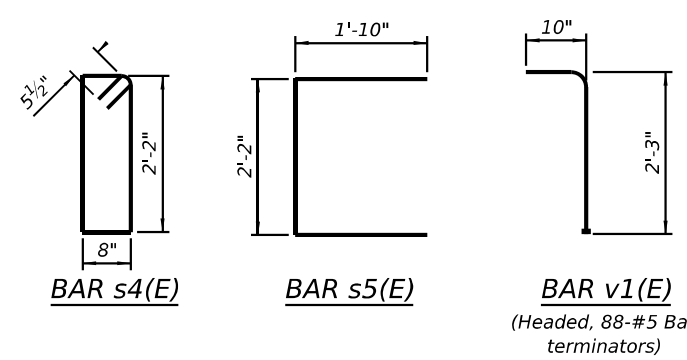
* Cost of drilling reinforcement into existing concrete is included with Reinforced Bars Epoxy Coated



DIAPHRAGM REMOVAL LIMITS
 (Showing removal limits, existing deck reinforcement is not shown for clarity)



SECTION A-A



LEGEND

Concrete Removal

BF Back Face

FF Front Face

- NOTES:**
- 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.
 - For approach slab reconstruction portion sections and details see sheets 8 and 9 of 13.
 - Bar terminators, paid for separately. See Total Bill of Material.

BILL OF MATERIAL - W. DIAPHRAGM

Bar	No.	Size	Length	Shape	
m4(E)	16	#5	21'-3"	—	
s4(E)	44	#5	6'-7"	⊔	
s5(E)	40	#6	5'-10"	⊔	
v1(E)	44	#5	3'-1"	└	
Item				Unit	Quantity
Concrete Superstructure				Cu. Yd.	4
Reinforced Bars, Epoxy Coated				Pound	1,150
Bar Splicers				Each	8

BILL OF MATERIAL - E. DIAPHRAGM

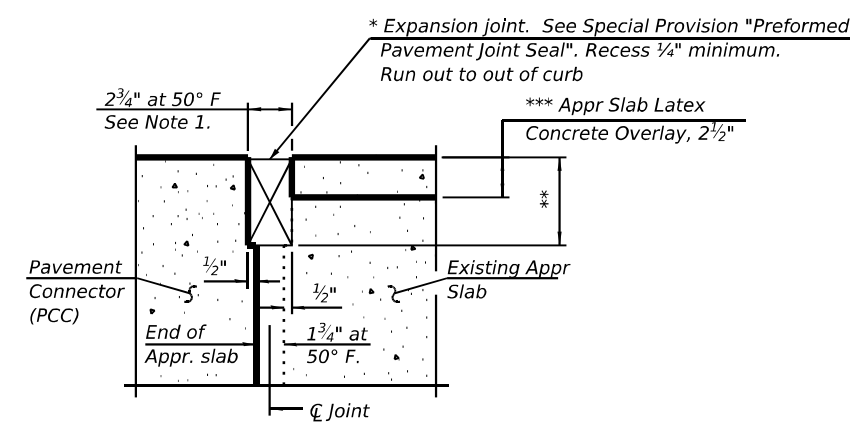
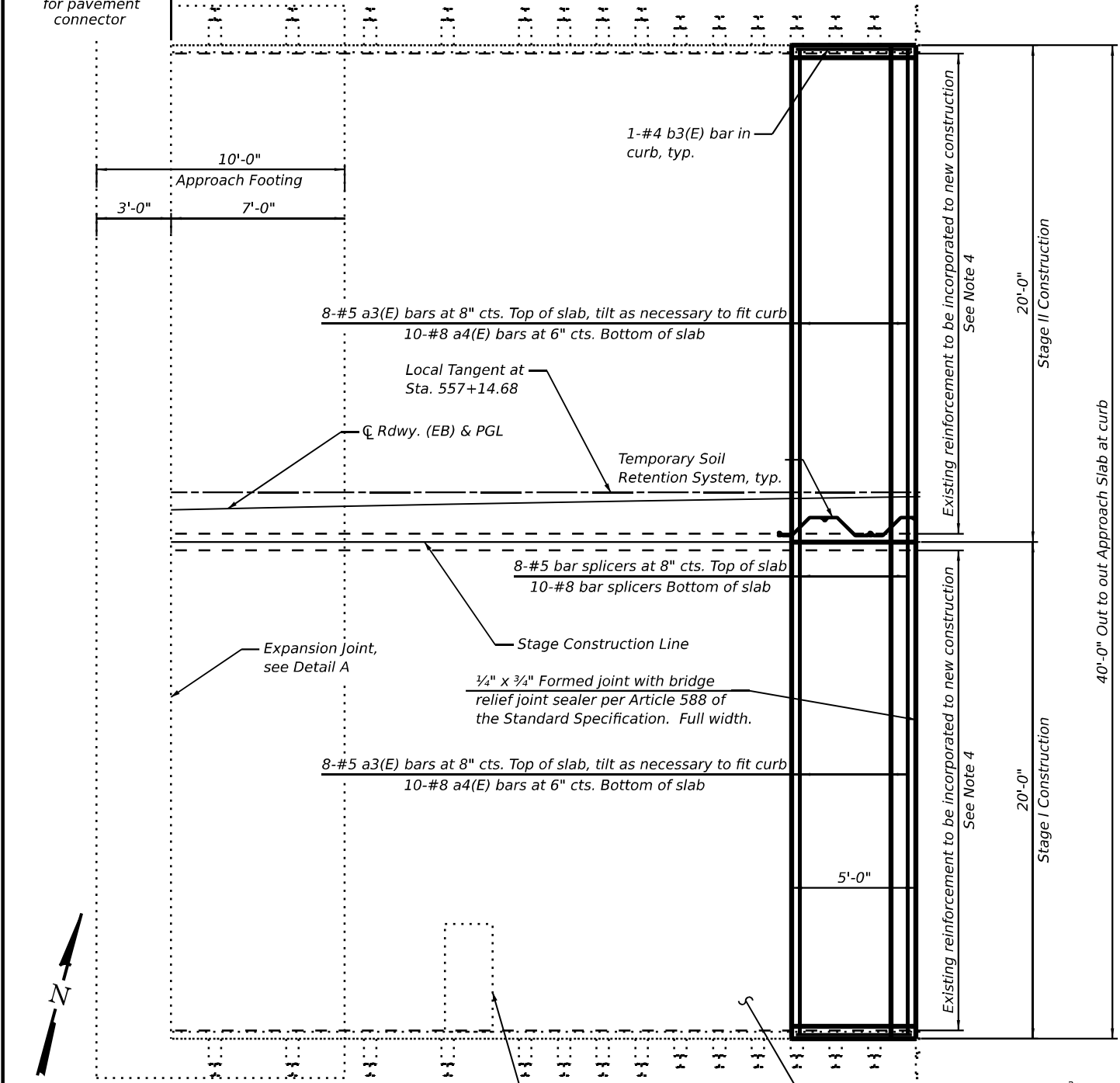
Bar	No.	Size	Length	Shape	
m4(E)	16	#5	21'-3"	—	
s4(E)	44	#5	6'-7"	⊔	
s5(E)	40	#6	5'-10"	⊔	
v1(E)	44	#5	3'-1"	└	
Item				Unit	Quantity
Concrete Superstructure				Cu. Yd.	4
Reinforced Bars, Epoxy Coated				Pound	1,150
Bar Splicers				Each	8

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See Hwy. Std. 420401 for pavement connector

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a3(E)	16	#5	20'-1"	
a4(E)	20	#8	19'-8"	
b3(E)	2	#4	4'-8"	
Item	Unit	Quantity		
Concrete Superstructure (Approach Slab)	Cu. Yd.	11.0		
Reinforced Bars, Epoxy Coated	Pound	1,400		
Bar Splicers	Each	18		

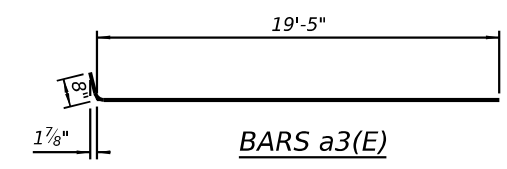


DETAIL A

- * 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.
- *** Prior to 1/4" Diamond Grinding

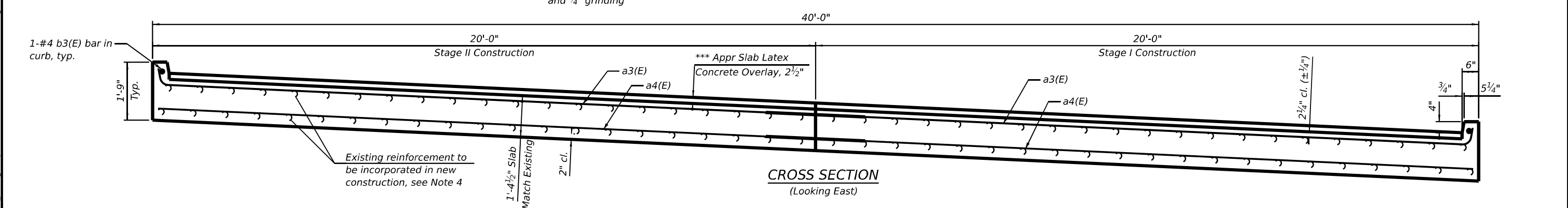
NOTES:

- 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.
- Curb concrete shall be paid for as Concrete Superstructure (Approach Slab).
- Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
- 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.
- After 3/4" scarification of the existing approach slab surface, the reconstructed 5-ft portion of the approach slab shall be constructed to match the resulting elevation. Both the existing and reconstructed approach slab surfaces shall receive a 2 1/2" Latex Concrete Overlay and 1/4" Diamond Grinding.
- Adjust existing drainage scupper at overlay location to match the final finished approach slab grade. Adjustment shall be made by raising the scupper grate elevation using an approved collar between the existing scupper body and relocated grate. Removal or replacement of the existing scupper body is not anticipated unless directed by the Engineer. All labor, materials, and incidentals shall be included in the pay item "Drainage Scupper to Be Adjusted".



PLAN

CROSS SECTION
(Looking East)



MODEL: Default FILE NAME: c:\pwworking\firm-pw-01\dms129268\1010167-64U89-StrBorder.dgn



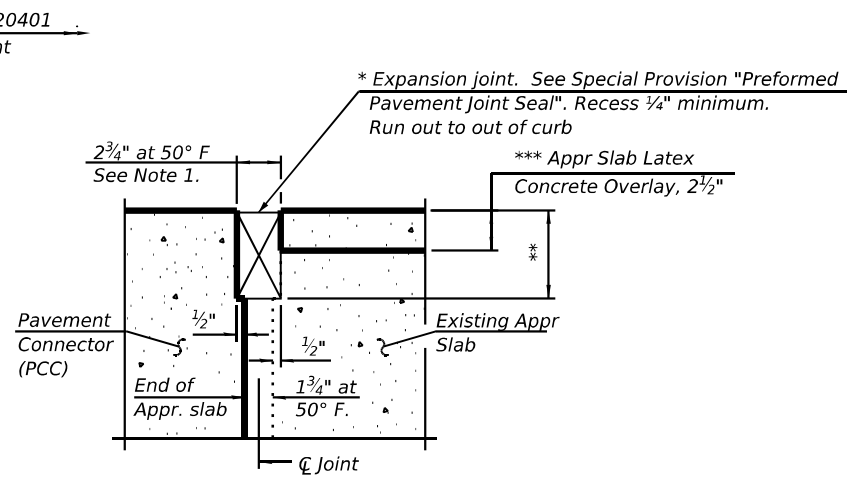
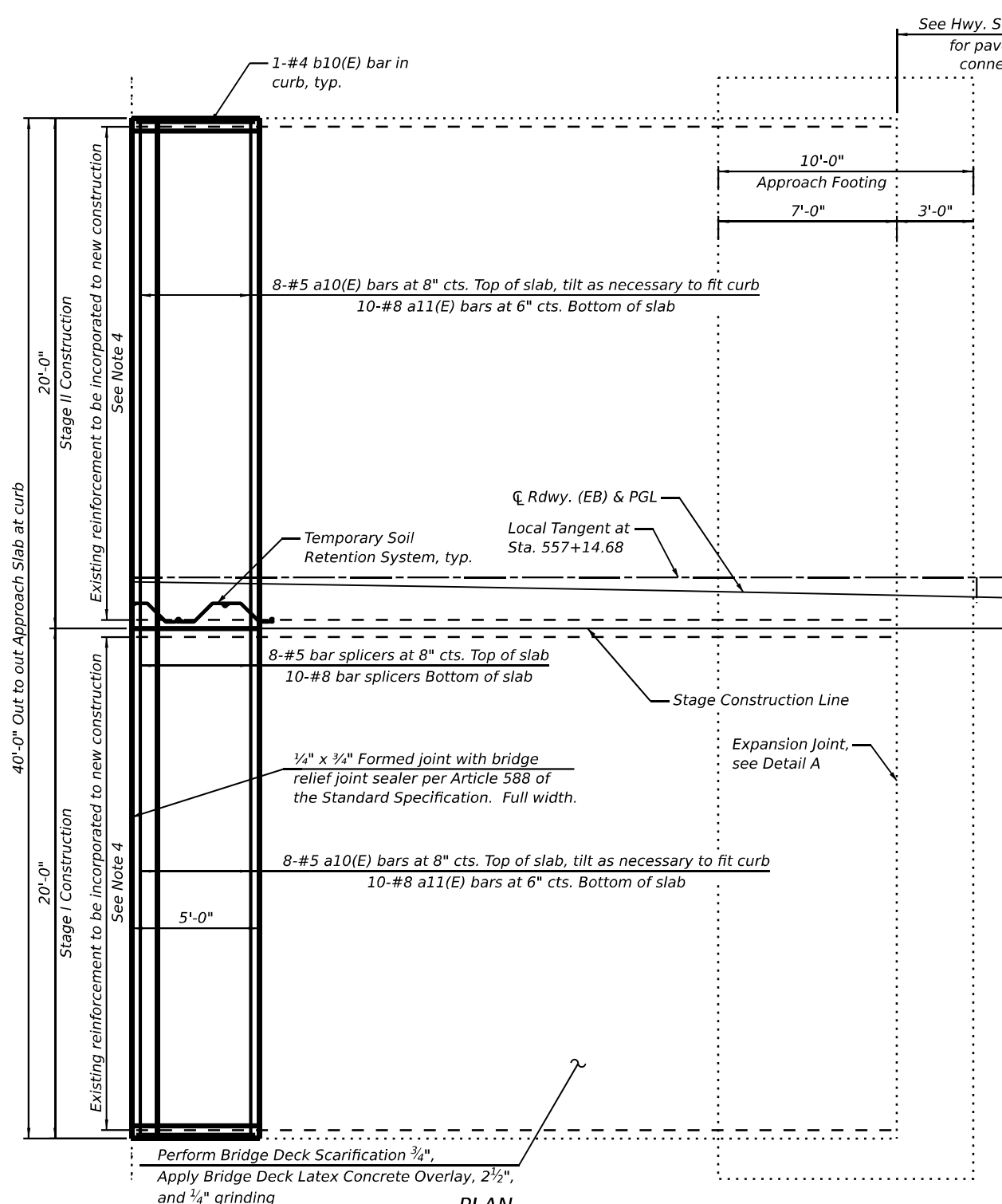
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	DRAWN - MA	REVISED -
	CHECKED - WWM	REVISED -
PLOT DATE = 2/24/2026	DATE - 02/26/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST APPROACH SLAB REPAIR PLAN AND OVERLAY DETAILS
STRUCTURE NO. 101-0167

SCALE: SHEET 8 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	15
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				



DETAIL A

* 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.

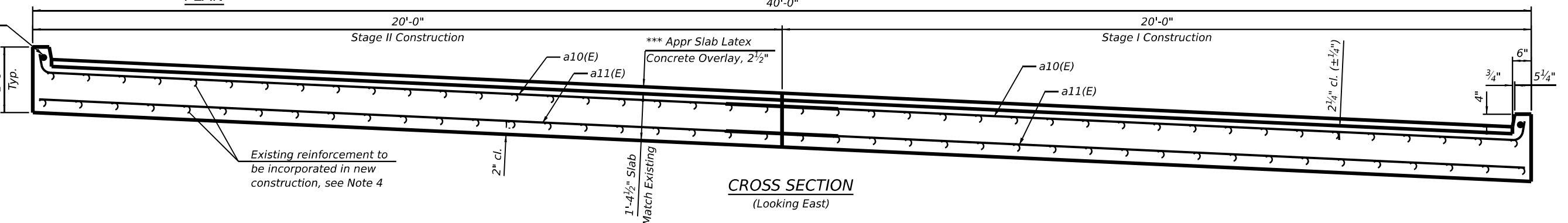
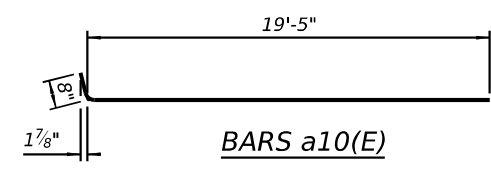
*** Prior to 1/4" Diamond Grinding

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	16	#5	20'-1"	
a11(E)	20	#8	19'-8"	
b10(E)	2	#4	4'-8"	
Item	Unit	Quantity		
Concrete Superstructure (Approach Slab)	Cu. Yd.	11.0		
Reinforced Bars, Epoxy Coated	Pound	1,400		
Bar Splicers	Each	18		

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.
- Curb concrete shall be paid for as Concrete Superstructure (Approach Slab).
- Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
- 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.
- After 3/4" scarification of the existing approach slab surface, the reconstructed 5-ft portion of the approach slab shall be constructed to match the resulting elevation. Both the existing and reconstructed approach slab surfaces shall receive a 2 1/2" Latex Concrete Overlay and 1/4" Diamond Grinding.



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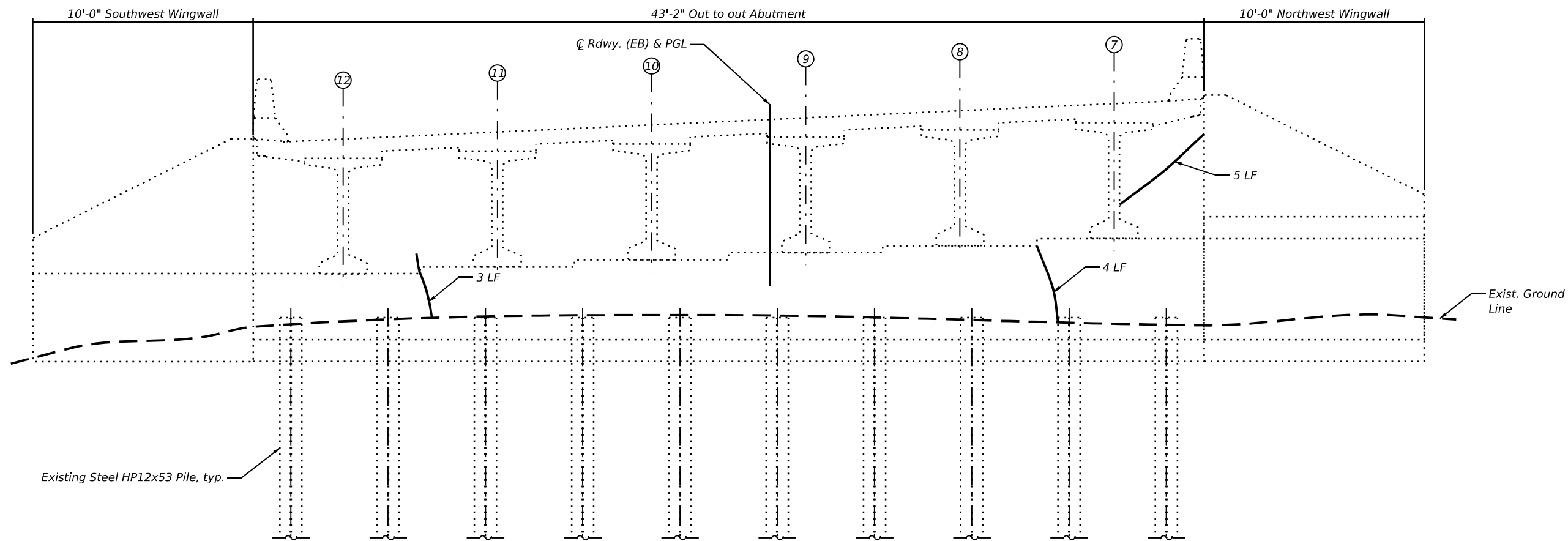
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	DRAWN - MA	REVISED -
	CHECKED - WWM	REVISED -
PLOT DATE = 2/24/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EAST APPROACH SLAB REPAIR PLAN AND OVERLAY DETAILS
 STRUCTURE NO. 101-0167**

SCALE: SHEET 9 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	16
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				



WEST ABUTMENT ELEVATION
(Looking West)

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.
3. Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired and the type(s) of repairs to be used will be determined by the Engineer in the field at the time of construction.

BILL OF MATERIAL

Item	Unit	Total
Epoxy Crack Injection	Foot	12
Concrete Sealer	Sq. Ft.	369

LEGEND

- Epoxy Crack Injection (Width > 0.06")
- Linear Foot

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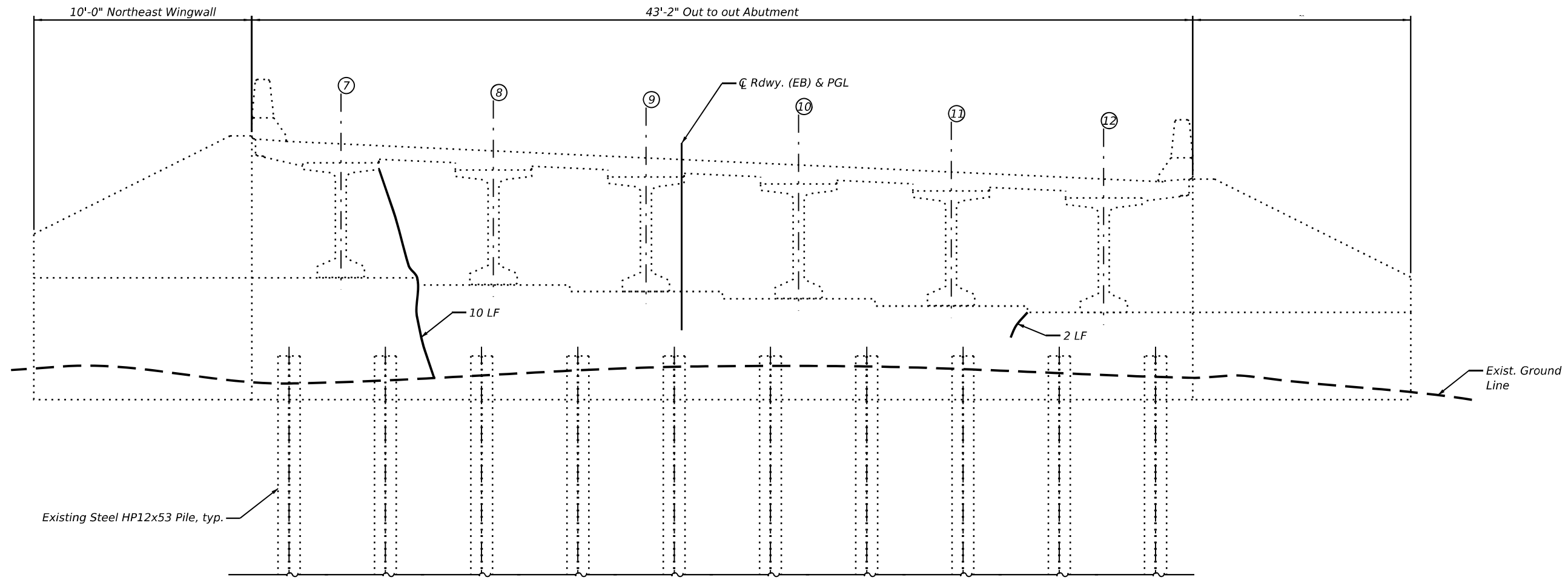
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PLOT DATE = 2/24/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**WEST ABUTMENT AND WINGWALLS REPAIRS
STRUCTURE NO. 101-0167**

SCALE: SHEET 10 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	17
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				



EAST ABUTMENT ELEVATION
(Looking East)

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.
3. Quantities and limits shown are estimated for bidding purposes only. The actual areas to be repaired and the type(s) of repairs to be used will be determined by the Engineer in the field at the time of construction.

BILL OF MATERIAL

Item	Unit	Total
Epoxy Crack Injection	Foot	12
Concrete Sealer	Sq. Ft.	369

LEGEND

- Epoxy Crack Injection (Width > 0.06")
- Linear Foot

MODEL: Default
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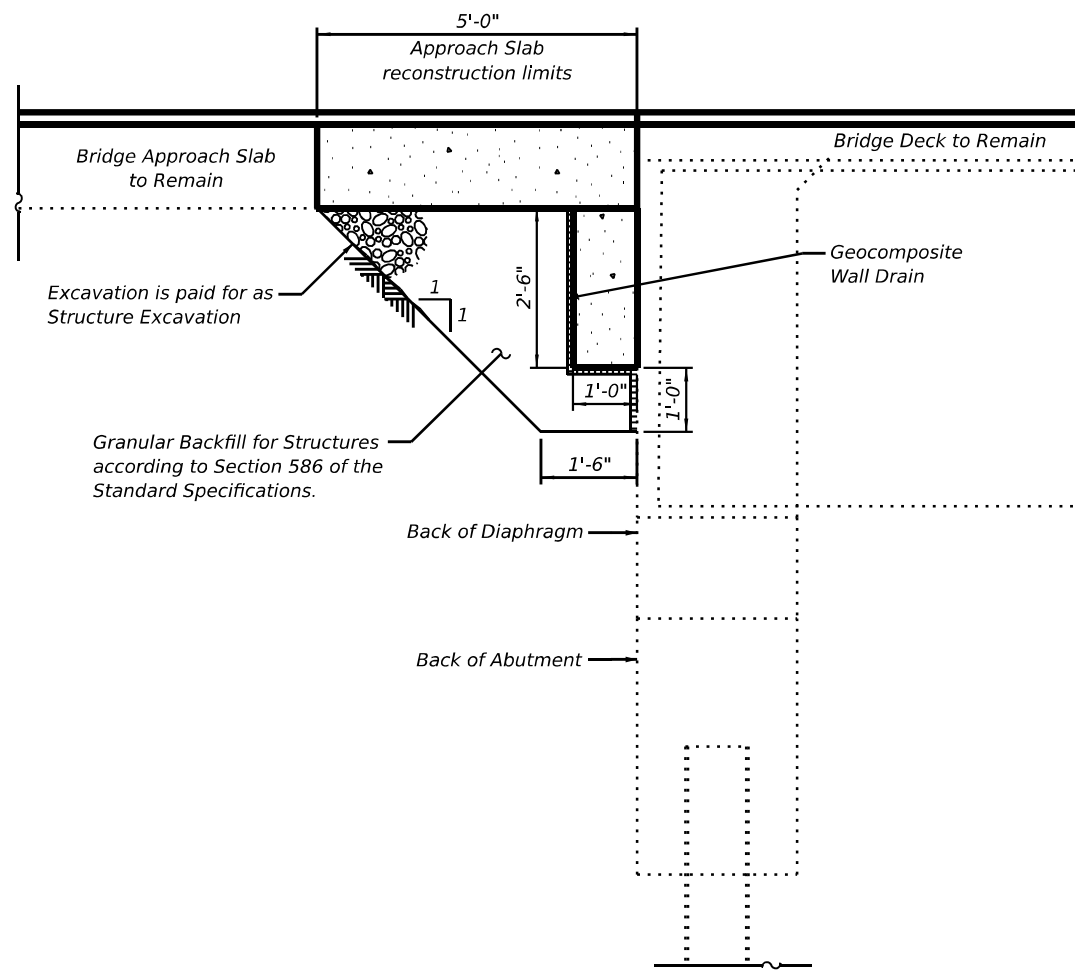
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PLOT DATE = 2/24/2026	DATE - 02/26/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT AND WINGWALLS REPAIRS
STRUCTURE NO. 101-0167

SCALE: SHEET 11 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	18
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				



SECTION THRU EXISTING ABUTMENT
(Showing Structure Excavation)

NOTES:

1. The proposed work includes reconstruction of the upper portion of the existing diaphragm only. The lower portion of the abutment and existing underdrain system are to remain in place.
2. Provide Geocomposite Wall Drain behind the reconstructed portion of the abutment as shown. The wall drain shall extend downward and outlet into the existing drainage system.
3. The existing pipe underdrain is assumed to remain operational and shall not be disturbed unless directed by the Engineer. Any damage to the existing drainage system shall be repaired at no additional cost to the Department.
4. Contractor shall ensure continuity of drainage from the geocomposite wall drain to the existing underdrain or outlet. Adjustments necessary to maintain positive drainage shall be made as approved by the Engineer.
5. Excavation and granular backfill for structures shall be performed in accordance with the Standard Specifications and as shown in the plans.

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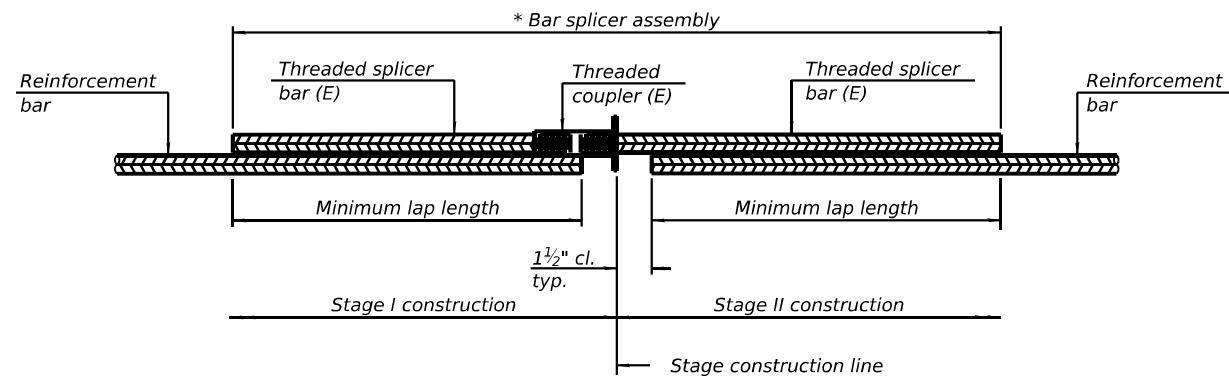
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PLOT DATE =	2/24/2026	DATE -	02/26/2026	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
STRUCTURE NO. 101-0167

SCALE: SHEET 12 OF 13 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	19
ILLINOIS			FED. AID PROJECT	
CONTRACT NO. 64U89				



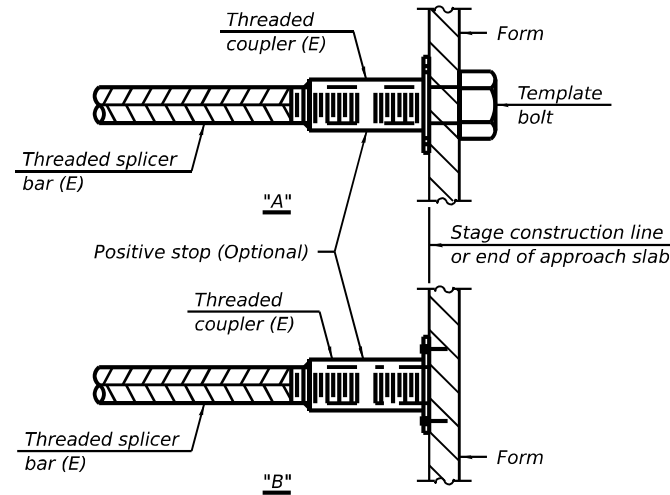
STANDARD BAR SPLICER ASSEMBLY PLAN

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
W. Diaphragm	#5	8	3'-10"
E. Diaphragm	#5	8	3'-10"
W. Approach Slab	#5	8	3'-10"
W. Approach Slab	#8	10	8'-4"
E. Approach Slab	#5	8	3'-10"
E. Approach Slab	#8	10	8'-4"

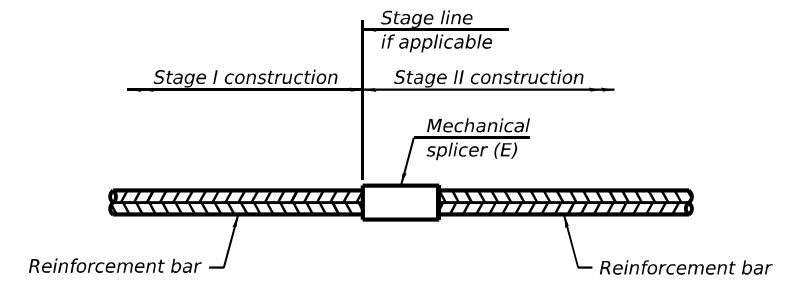


INSTALLATION AND SETTING METHODS

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

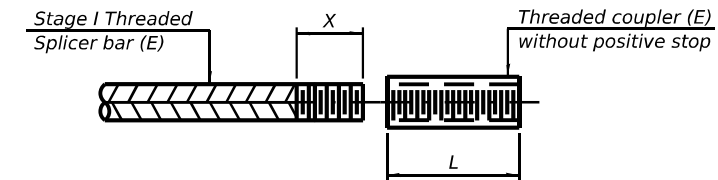
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.

(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



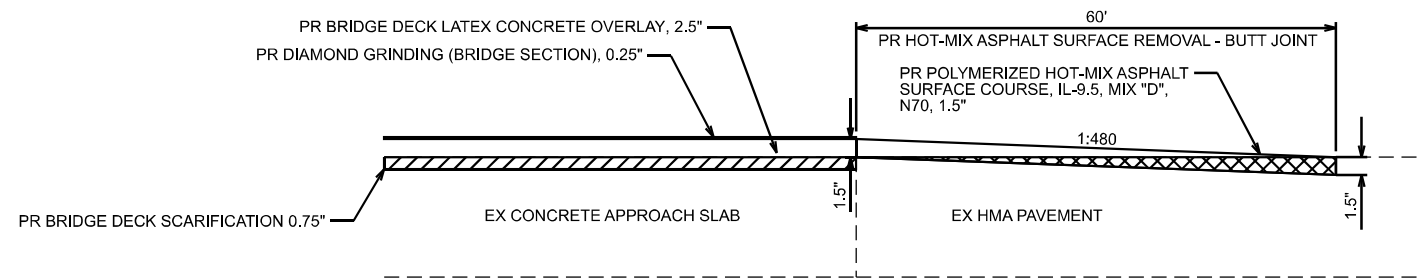
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PLOT DATE = 2/24/2026	DATE - 02/26/2026	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 101-0167

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	17R-1BR-1	WINNEBAGO	30	20
CONTRACT NO. 64U89			ILLINOIS FED. AID PROJECT	



BUTT- JOINT DETAIL

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

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

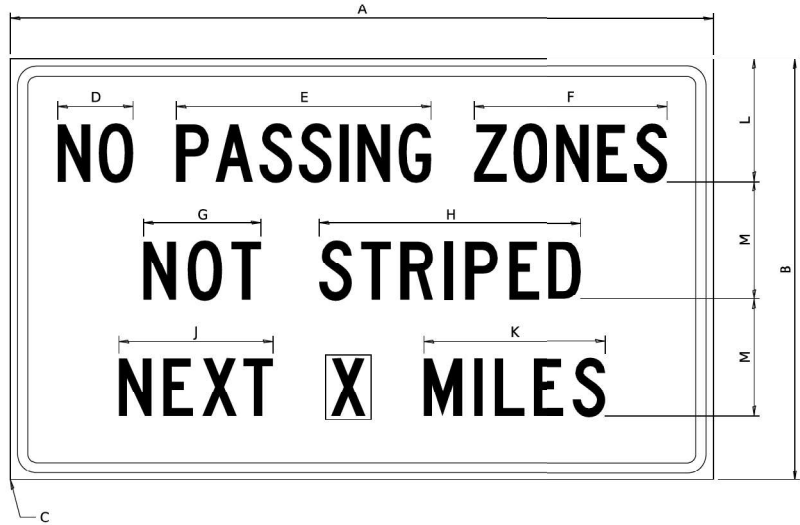
MISCELLANEOUS DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	21
CONTRACT NO. 64U89				
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

GENERAL NOTES

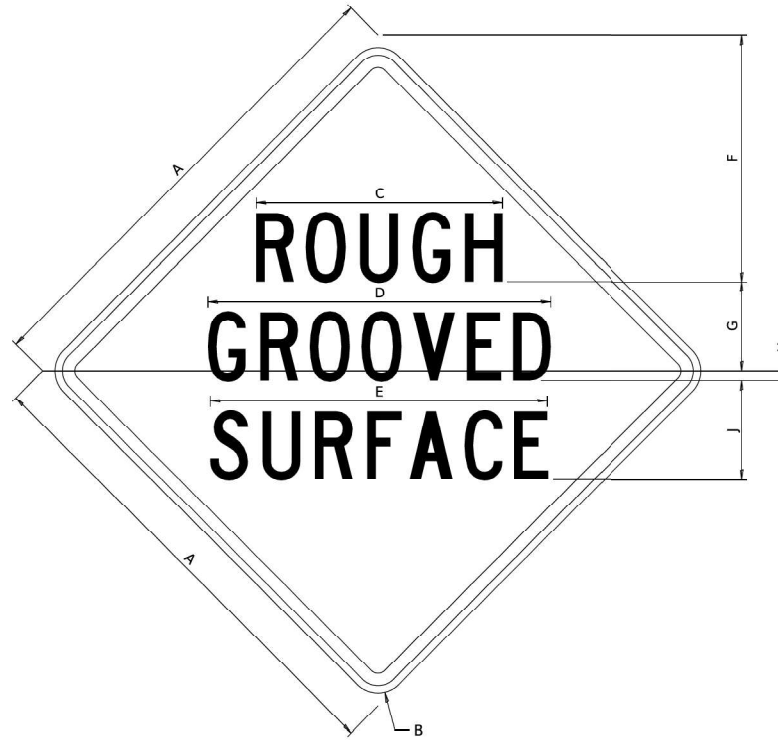
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

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.

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

MODEL: 3/4/11_111111
FILE NAME: DISTRICT 2 STANDARD

USER NAME - IDOT / DISTRICT 2	DESIGNED -	REVISED -	5-22-25
	DRAWN -	REVISED -	3-02-16
	CHECKED -	REVISED -	
PLOT DATE - 10/26/2025	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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WORK ZONE SIGN DETAILS SHEET 1 OF 4 34.1

MODEL: D264189-Border (Sheet)
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	DRAWN - DJM	REVISED -
	CHECKED - MLL	REVISED -
PLOT DATE - 2/26/2026	DATE - 02/26/2026	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

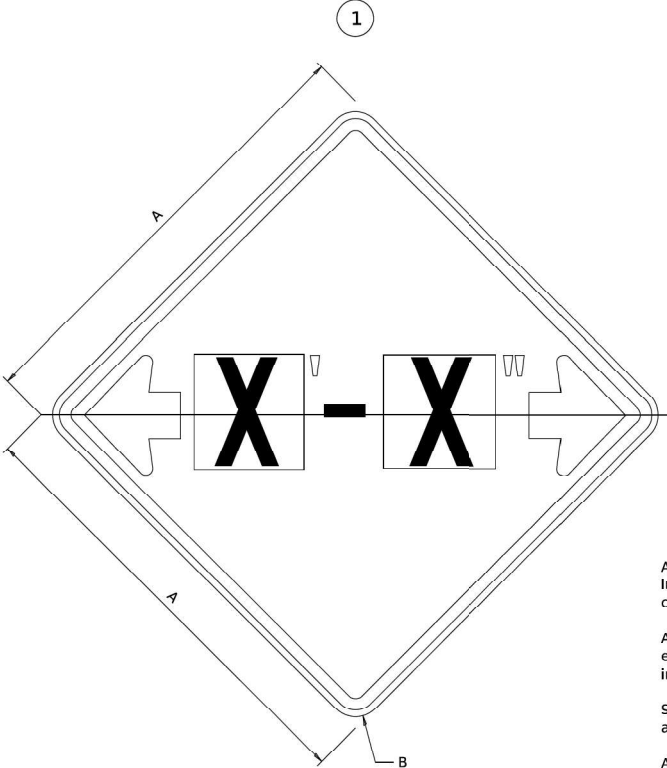
DISTRICT DETAILS

SCALE:	SHEET	1	OF	9	SHEETS	STA.	TO STA.
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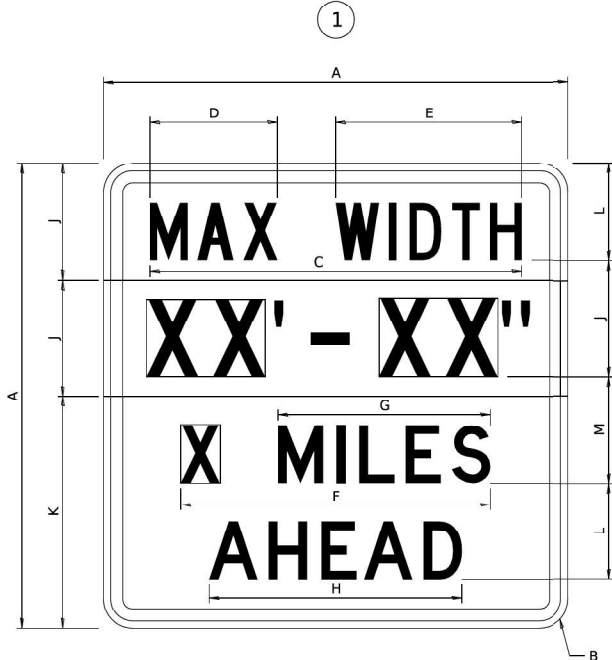
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301	(17R-1BR-1)BDR	WINNEBAGO	30	22
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				

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

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

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

USER NAME - IDOT / DISTRICT 2	DESIGNED -	REVISOR -	3-02-16
	DRAWN -	REVISOR -	
	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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
								CONTRACT NO.		
								ILLINOIS	FED. AID PROJECT	

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	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	2	OF	9	SHEETS	STA.	TO STA.

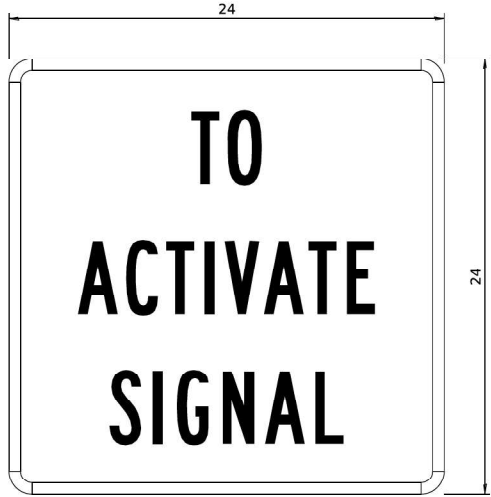
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	23
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				

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
-------	------------------------------	-------------	---------------------------------

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

WORK ZONE SIGN DETAILS SHEET 3 OF 4 34.1

MODEL: D264U89-Border (Sheet)
 FILE NAME: c:\p\working\brn-pw-11\dms12926\0264U89-Border.dgn

MODEL: 3441-11m13
 FILE NAME: DISTRICT 2 STANDARD



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

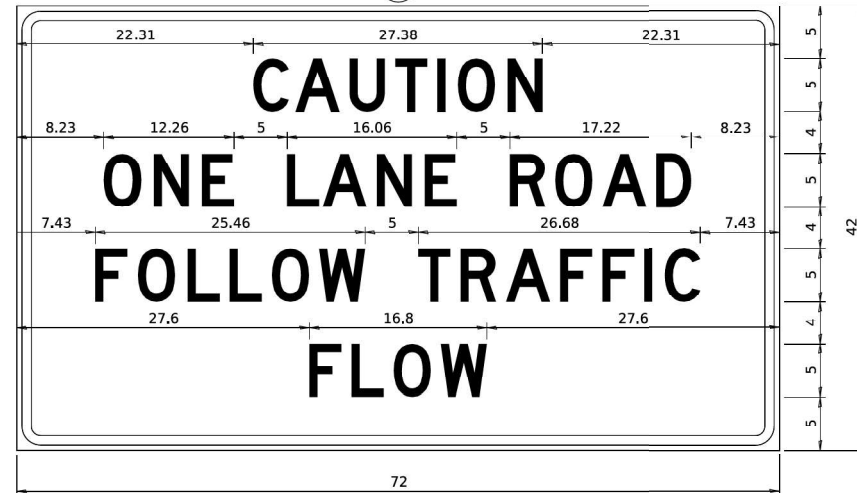
DISTRICT DETAILS

SCALE: SHEET 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	24
CONTRACT NO. 64U89				
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

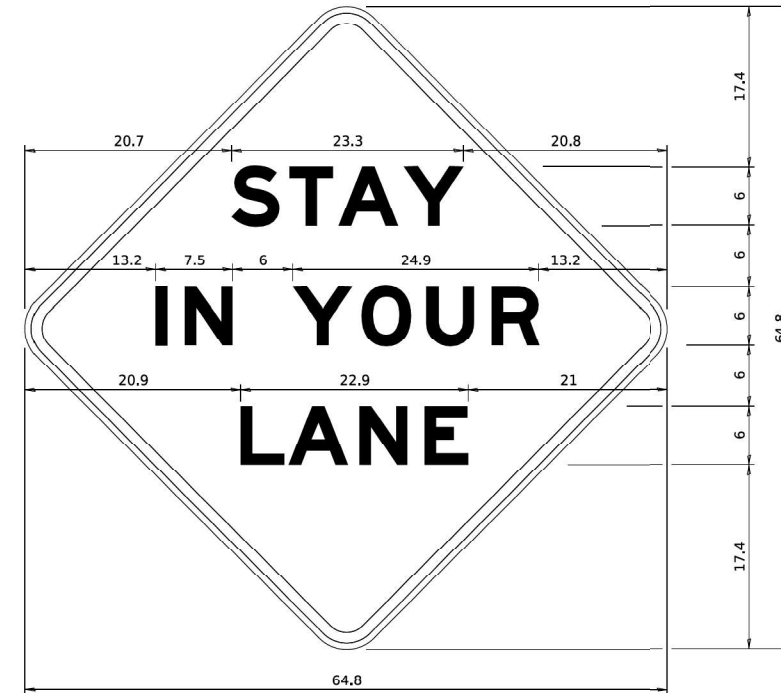
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

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

WORK ZONE SIGN DETAILS SHEET 4 OF 4 34.1

MODEL: D264189-Border (Sheet)
FILE NAME: c:\pwworking\firm\pwworking\11\dms12926\0264189-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

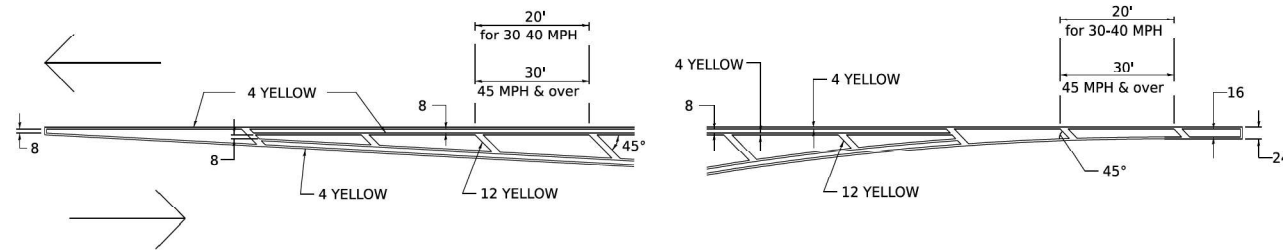
DISTRICT DETAILS

SCALE: SHEET 4 OF 9 SHEETS STA. TO STA.

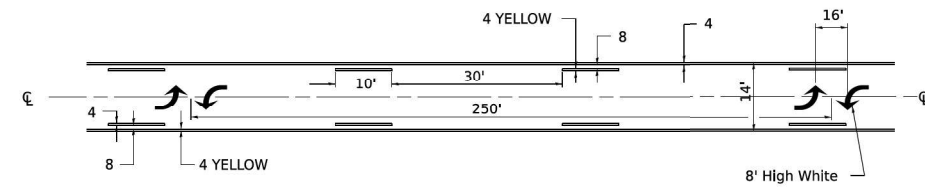
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	25
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

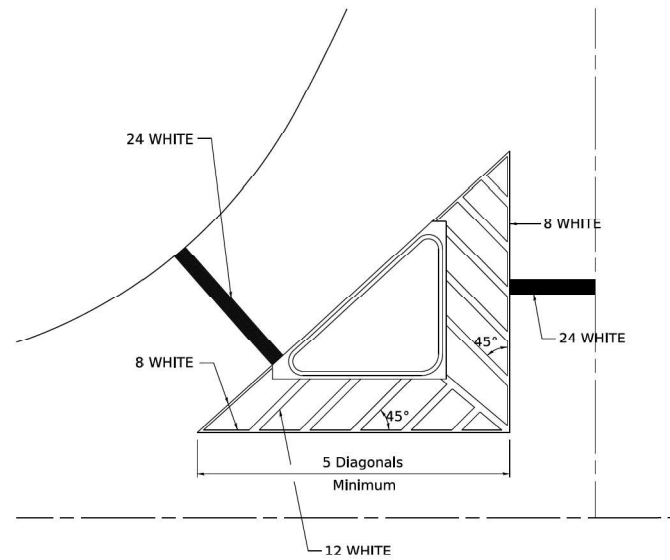


MEDIAN PAVEMENT MARKING



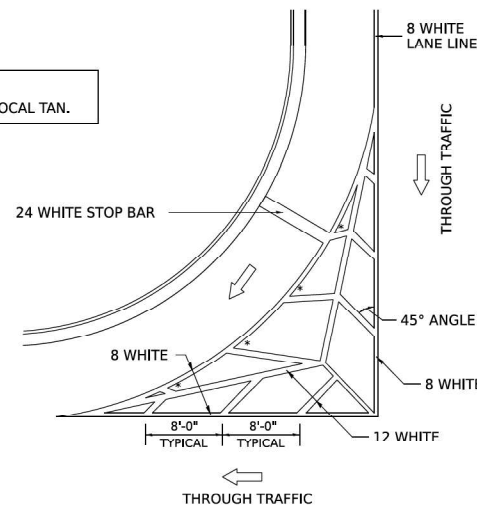
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



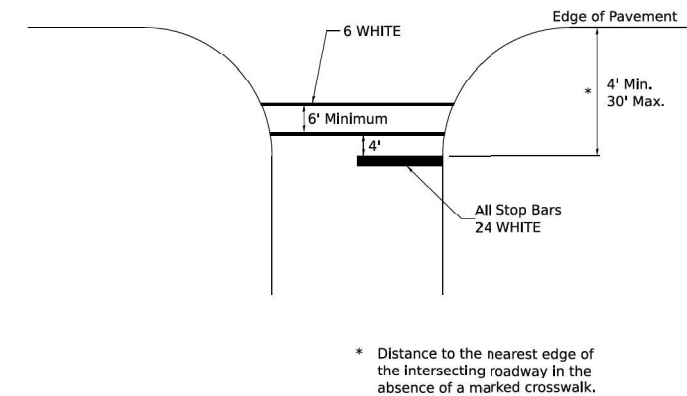
TYPICAL MARKING FOR PAINTED ISLANDS

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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

TYPICAL PAVEMENT MARKINGS SHEET 1 OF 5 41.1

MODEL: D264189-Border (Sheet)
FILE NAME: c:\p\working\bar-p\ch-11\ms12926\264189-Border.dgn



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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

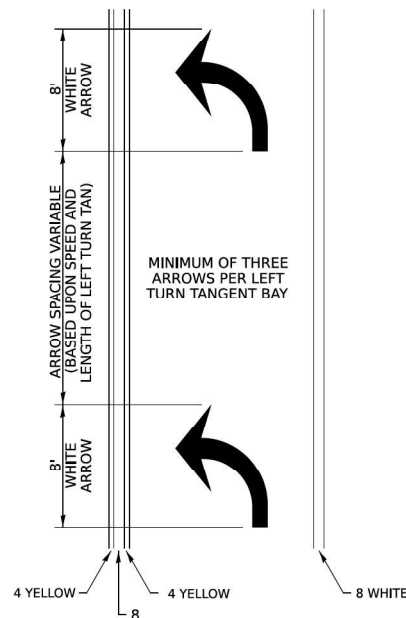
DISTRICT DETAILS

SCALE:	SHEET	5	OF	9	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	26
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

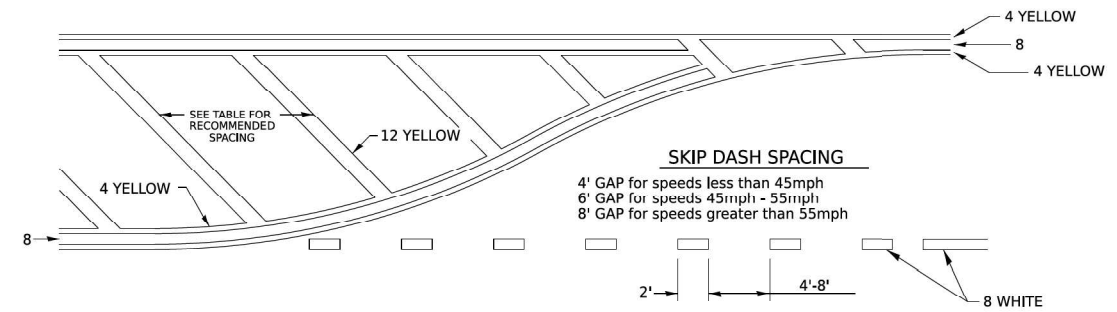


SYMBOLS

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

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

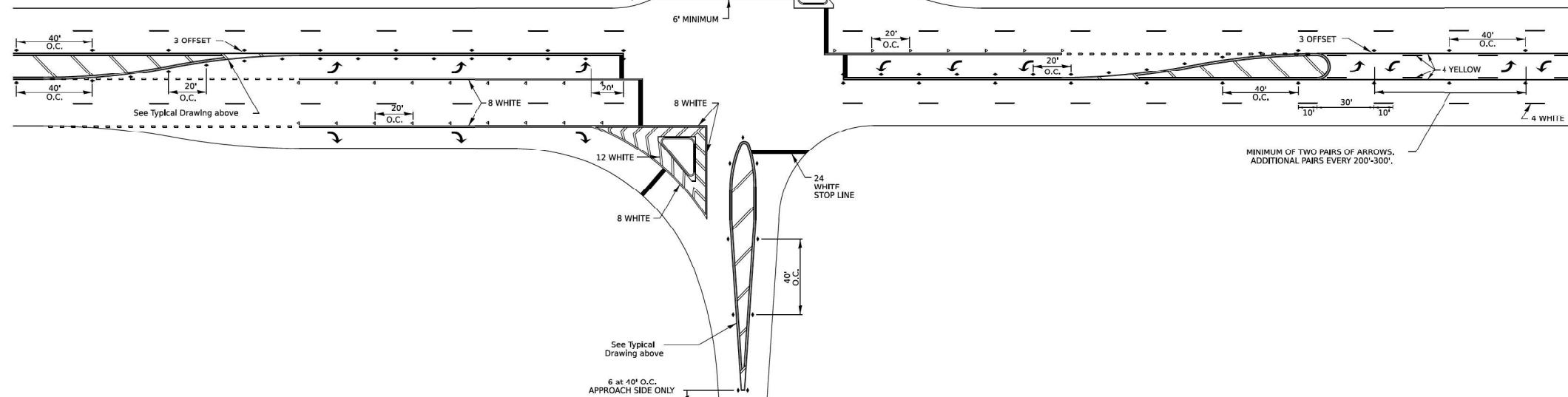
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

TYPICAL PAVEMENT MARKINGS SHEET 2 OF 5 41.1

MODEL: D264189-Border (Sheet)
FILE NAME: c:\pwworking\firm\pwworking\11\dms12926\11\dms12926\1189-Border.dgn



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

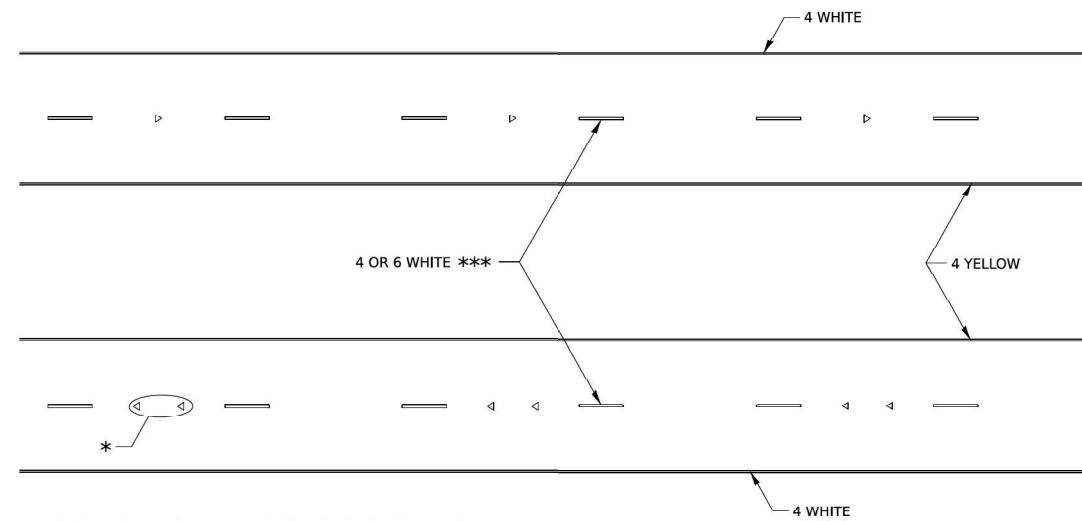
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT DETAILS

SCALE:	SHEET	6	OF	9	SHEETS	STA.	TO STA.
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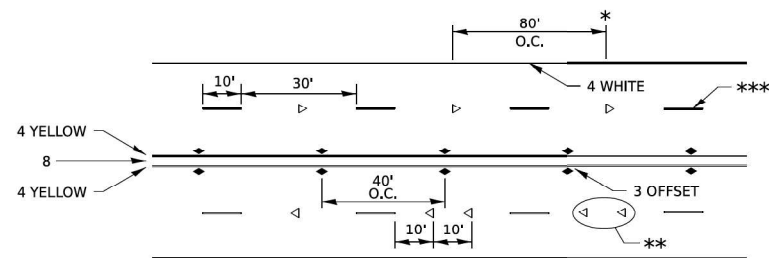
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	27
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				

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.

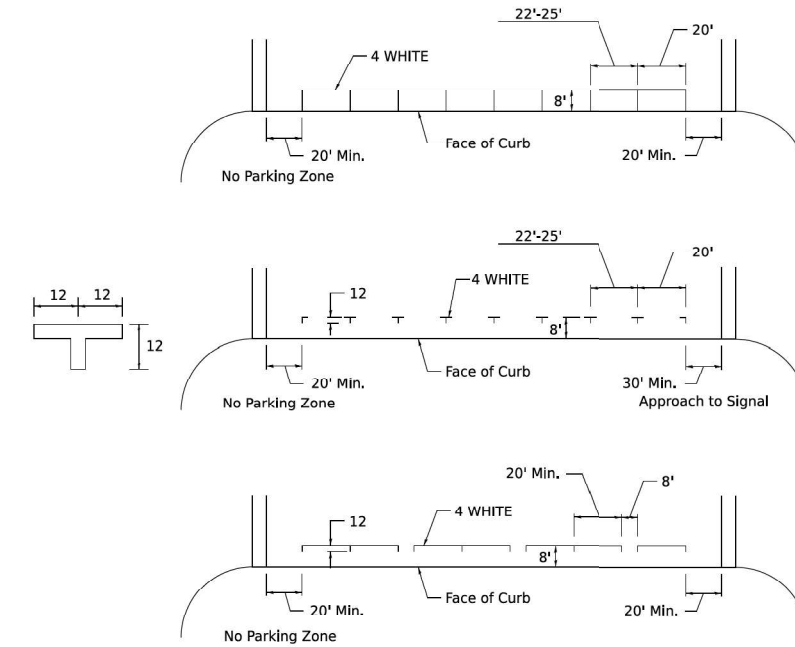
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

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

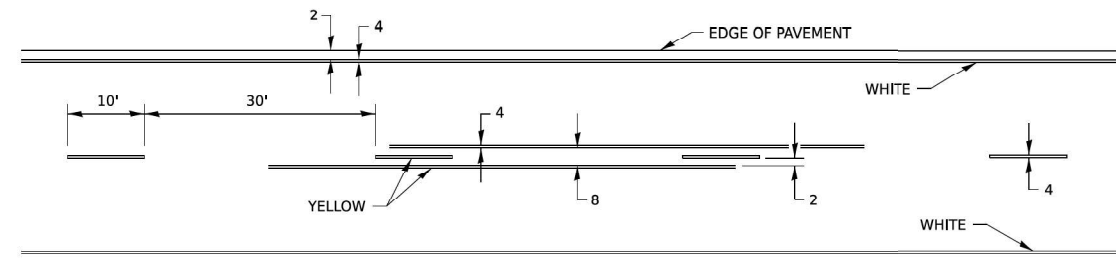
MULTI-LANE / UNDIVIDED & ONE WAY

(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.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

TYPICAL PAVEMENT MARKINGS SHEET 3 OF 5 41.1

MODEL: D264189-Border (Sheet)
FILE NAME: c:\p\working\brn-p\411\dms12926\264189-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

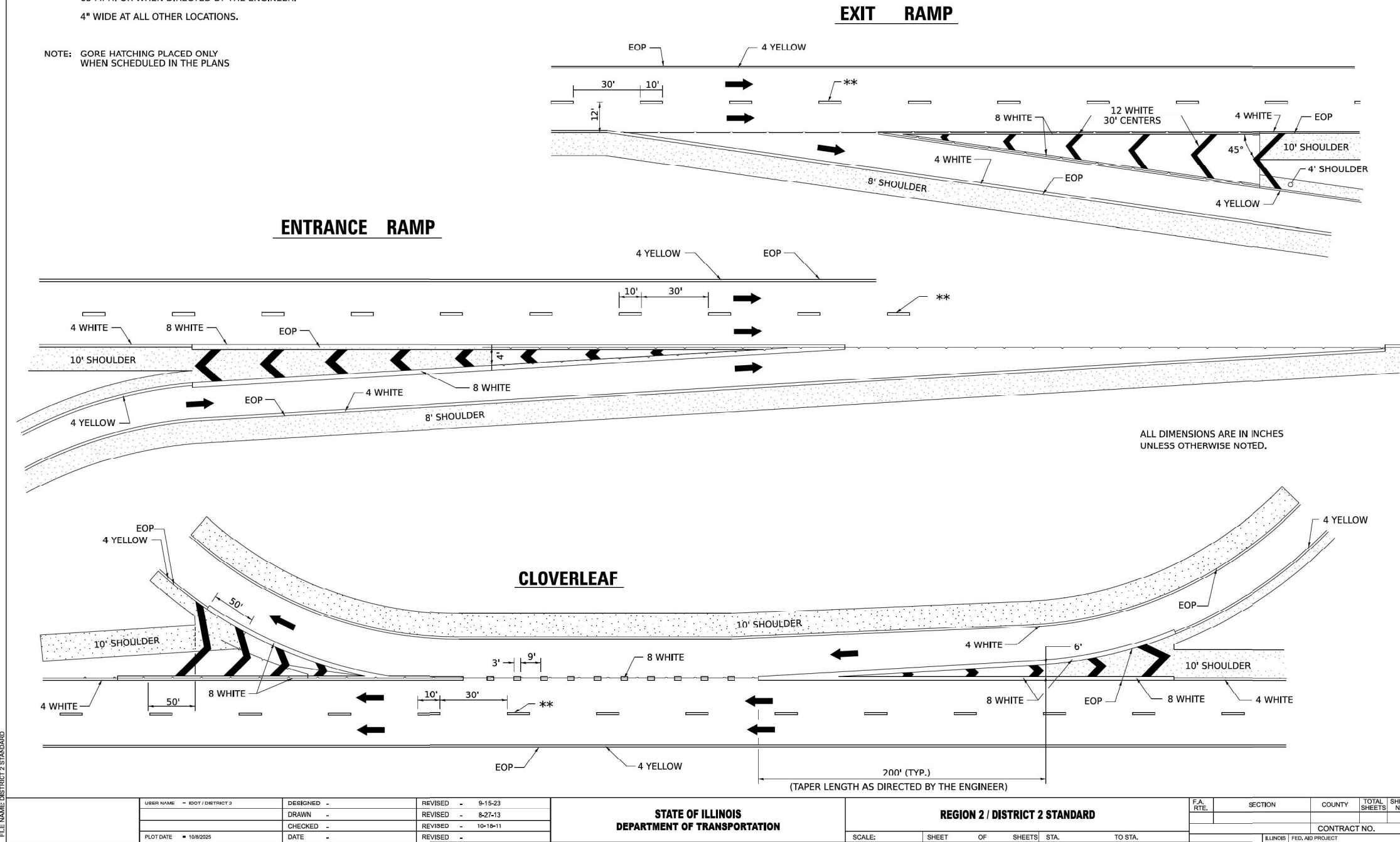
SCALE:	SHEET	7	OF	9	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	28
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				

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



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

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

TYPICAL PAVEMENT MARKINGS SHEET 4 OF 5 41.1

MODEL: D264189-Border (Sheet)
FILE NAME: c:\p\working\lbrm-ph-411\dms12926\264189-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 9 SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	29
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

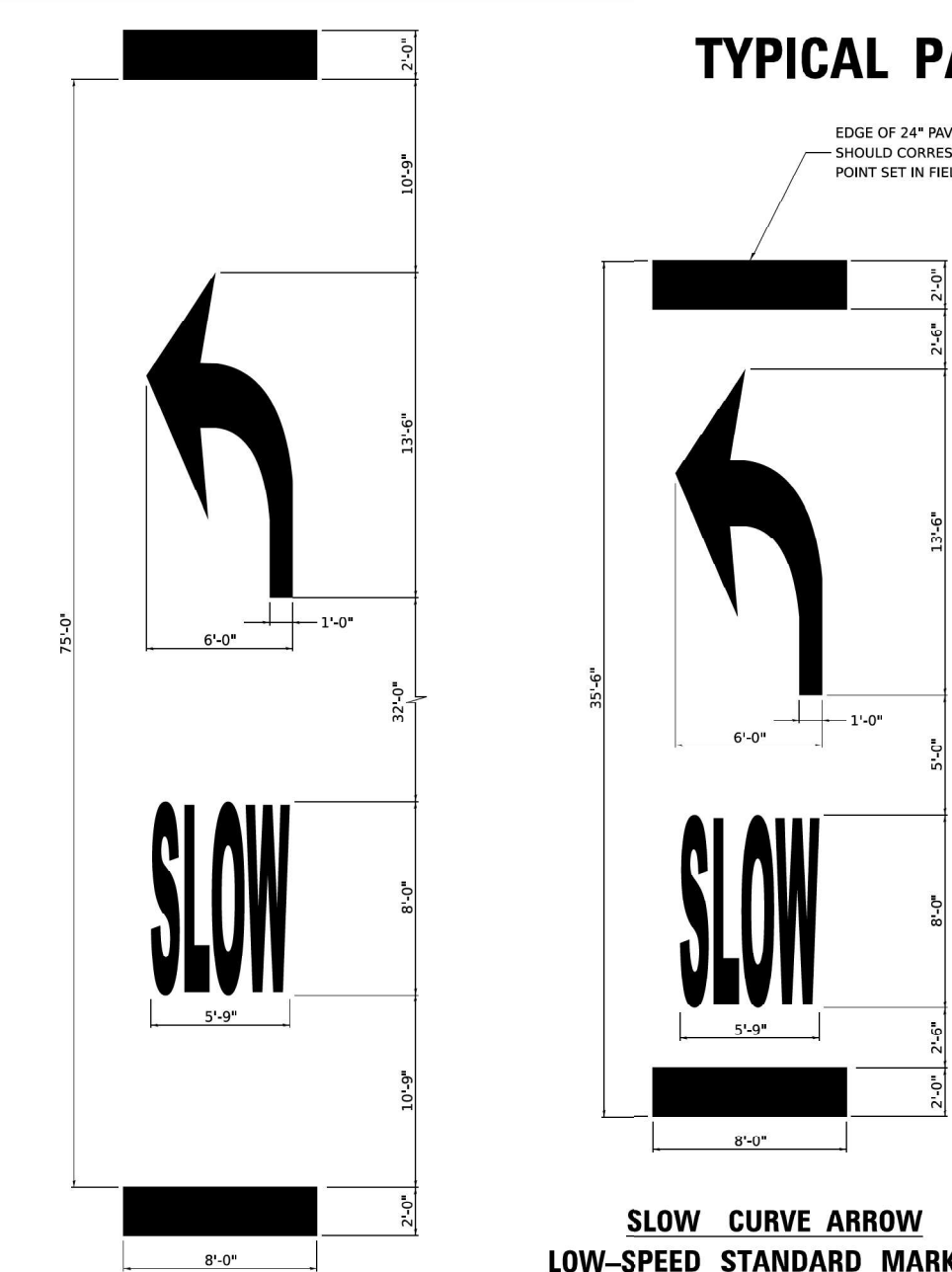
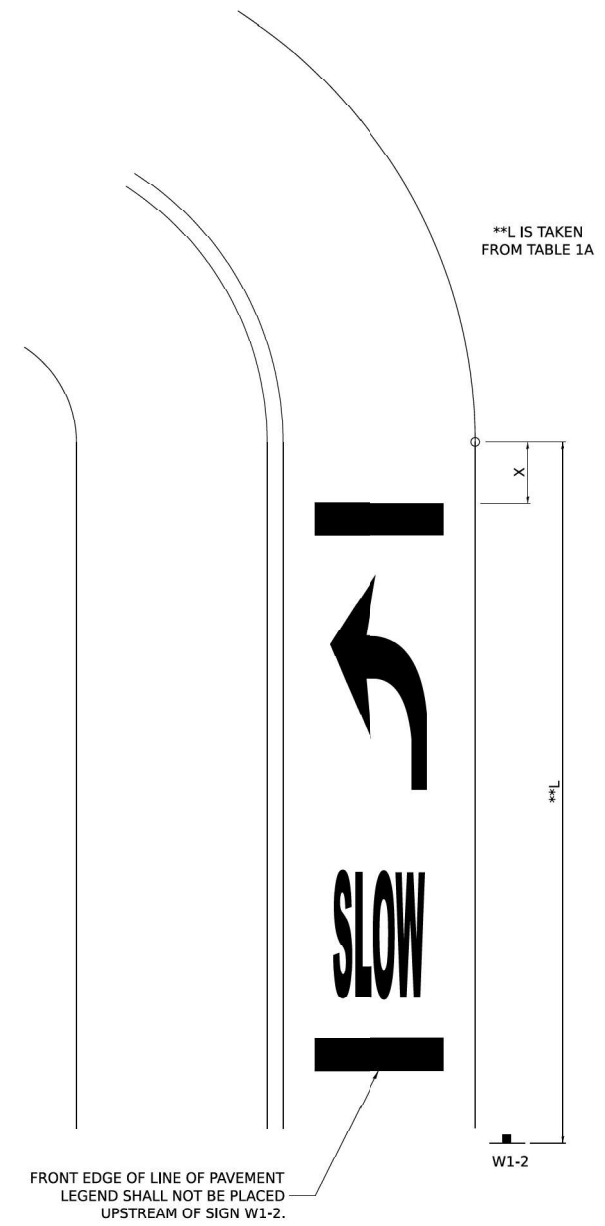


TABLE 1A

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

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)

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

MODEL: D264189a-Border (Sheet)
FILE NAME: c:\pwworking\firm\p411\dms12926\264189a-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 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(17R-1BR-1)BDR	WINNEBAGO	30	30
CONTRACT NO. 64U89				
ILLINOIS FED. AID PROJECT				