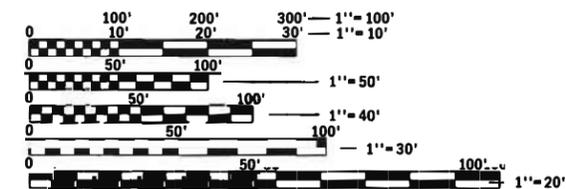


INDEX OF SHEETS

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- 02 HIGHWAY STANDARDS AND GENERAL NOTES
- 03 SUMMARY OF QUANTITIES
- 04 SCHEDULE OF QUANTITIES
- 05 STAGE I & II CONSTRUCTION TYPICAL SECTIONS
- 06-07 TRAFFIC CONTROL PLAN - STAGE I
- 08-09 TRAFFIC CONTROL PLAN - STAGE II
- 10 PAVEMENT MARKING PLAN
- 11 GENERAL PLAN AND ELEVATION
- 12 CROSS SECTIONS & STAGING DETAILS
- 13-14 JOINT REPLACEMENT DETAILS
- 15 PREFORMED JOINT STRIP SEAL
- 16-16B BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
- 17 94.2 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)
- 18-21 34.1 WORK ZONE SIGN DETAILS
- 22-24 41.1 TYPICAL PAVEMENT MARKINGS

DESIGN DESIGNATIONS

PRINCIPAL ARTERIAL
 CURRENT ADT: 23,422 (2020)
 DESIGN SPEED: 45 MPH
 POSTED SPEED: 45 MPH
 MU = 6%, SU = 5%



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

PROJECT ENGINEER GEOFFREY F. SMITH, P.E.
 PROJECT MANAGER MAHMOUD ETEMADI, P.E.

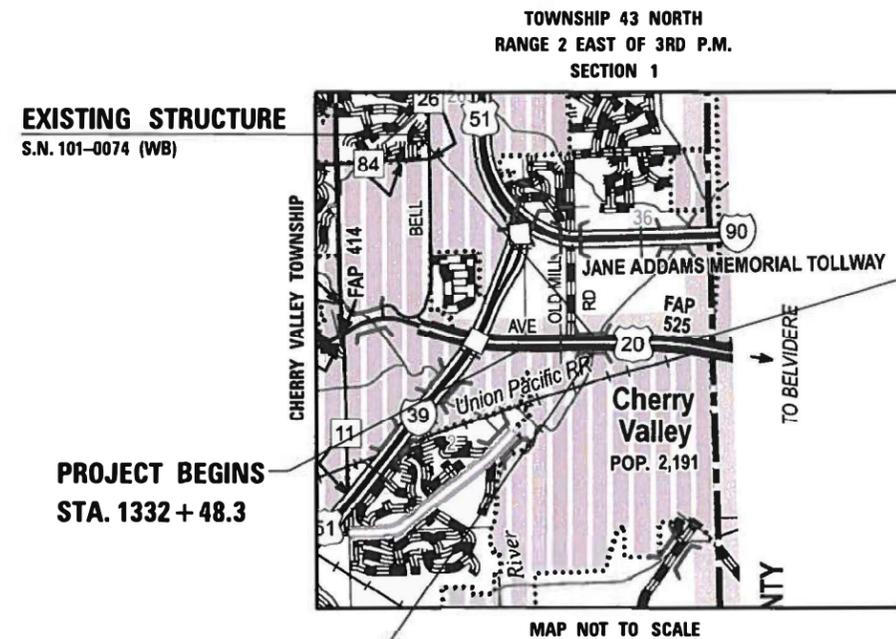
CONTRACT NO. 64P64

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

**PROPOSED
 HIGHWAY PLANS**

FAP ROUTE 525 (US 20) OVER KISHWAUKEE RIVER
 SECTION (6B)BJR
 BRIDGE REPAIR
 WINNEBAGO COUNTY

C-92-007-21



EXISTING STRUCTURE
 S.N. 101-0073 (EB)

LOCATION MAP

GROSS LENGTH = 2,538 FT. = 0.45 MILE
 NET LENGTH = 2,538 FT = 0.45 MILE

WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 809 EAST 2ND STREET, DEON, IL 61021-0367
 T: 815-284-3361 DESIGN FIRM #124-000918



DATE: _____
 EXPIRES 11/30/

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B)BJR	WINNEBAGO	24*	1
S.N. 101-0073 & 101-0074		CONTRACT NO. 64P64		
ILLINOIS FED. AID PROJECT				

* 24 + 2 = 26 TOTAL SHEETS

D-92-058-18



LOCATION OF SECTION INDICATED THUS: -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SUBMITTED December 09, 2020

 REGIONAL ENGINEER

January 29, 2021

 ENGINEER OF DESIGN AND ENVIRONMENT

January 29, 2021

 DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**

HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701423-10	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INERMITTENT, OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701428-01	TRAFFIC CONTROL SET UP AND REMOVAL FREEWAY / EXPRESSWAY
701901-08	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION 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)
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHMOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

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.

THE STRUCTURES WILL RETAIN THE SAME NUMBERS: 101-0073 (EB) & 101-0074 (WB).

PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 78001, 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 OR TYPICAL LANDE AND EDGE LINES
4. CENTERLINE SKIP DASH PAVEMENT MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT 41.1.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCED NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIESLOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMEBER 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 AND 815-284-5469 AT LEAST 48 HOURS PRIOR TO WORK.

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.

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.

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USER NAME = greg	DESIGNED - GBG	REVISED -
	DRAWN - LGN	REVISED -
PLOT SCALE = 120.0000' / ft.	CHECKED - GFS	REVISED -
PLOT DATE = 12/2/2020	DATE - 12/01/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS AND GENERAL NOTES

SCALE N / A SHEET 1 OF 1 SHEETS STA. N / A TO STA. N / A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B1BJR	WINNEBAGO	24	2
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CONSTRUCTION CODE: 0013 100% STATE

URBAN

PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY
	NAME		
28000510	INLET FILTERS	EACH	3
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"	SQ YD	45.8
50102400	CONCRETE REMOVAL	CU YD	24.4
40604002	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5FG, MIX "C", N70	TON	3.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	24.4
50300300	PROTECTIVE COAT	SQ YD	56.7
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3620
50800515	BAR SPLICERS	EACH	56
52000110	PREFORMED JOINT STRIP SEAL	FOOT	156
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2
67100100	MOBILIZATION	L SUM	1
70100325	TRAFFIC CONTROL AND PROTECTION, STANDARD 701423	EACH	2
70300220	TEMPORARY PAVEMENT MARKIN - LINE 4"	FOOT	9,185
70400100	TEMPORARY CONCRETE BARRIER	FOOT	725.0
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	725.0
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2

CONSTRUCTION CODE: 0013 100% STATE

URBAN

PAY CODE	PAY ITEM	UNIT	TOTAL QUANTITY
	NAME		
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	124.8
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	8,063
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	849
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	464
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	36
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	841
X6026200	INLETS TO BE ADJUSTED (SPECIAL)	EACH	2
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	3,062
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	77

* SPECIALITY ITEM

(STRUCTURAL ITEMS TO BE PROVIDED BY BRIDGE DEPARTMENT)

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD_SHEETS\WD 5\1427D18-WD-5-Summary-of-QTY.dgn

	USER NAME = greg	DESIGNED - GBG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - GBG	CHECKED - GFS	REVISED -		SCALE N / A	SHEET 1 OF 1 SHEETS	STA. N / A TO STA. N / A	525	(6B)BJR	WINNEBAGO	24	3
PLOT SCALE = 240.0000' / Ft.	DATE = 12/01/20	REVISED -	REVISED -				S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64		
PLOT DATE = 12/2/2020	DATE = 12/01/20	REVISED -	REVISED -				ILLINOIS FED. AID PROJECT					

SCHEDULE OF QUANTITIES

28000510 INLET FILTERS

STATION	EACH	REMARKS
HARRISON AVE (US 20) STA: 1344+07.0 (RT, LT & CNT)	3	
PROJECT TOTAL	3	

70300220 TEMPORARY PAVEMENT MARKING - LINE 4"

STATION	FOOT	REMARKS
HARRISON AVE (US 20)		
STAGE I - EAST BOUND		
STA: 1328+98.0 to 1336+20.6	725	N. EDGE LINE (YELLOW)
STA: 1336+02.2 to 1338+19.0	218	LEFT TURN LANE (WHITE)
STA: 1336+02.2 to 1338+19.0	217	(THRU LANE) EDGE LINE (YELLOW)
STA: 1339+35.5 to 1347+60.8	833	N. EDGE LINE (YELLOW)
STA: 1342+88.3 to 1347+60.8	473	S. EDGE LINE (WHITE)
STAGE I - WEST BOUND		
STA: 1343+94.0 to 1348+66.5	473	N. EDGE LINE (WHITE)
STA: 1343+94.0 to 1360+27.0	1,633	S. EDGE LINE (YELLOW)
STAGE I TOTAL	4,572	
STAGE II - EAST BOUND		
STA: 1328+98.0 to 1335+73.5	679	S. EDGE LINE (WHITE)
STA: 1335+63.5 to 1338+19.0	255	RIGHT TURN LANE (WHITE)
STA: 1335+63.5 to 1338+19.0	255	(THRU LANE) EDGE LINE (WHITE)
STA: 1339+22.6 to 1347+60.8	845	S. EDGE LINE (WHITE)
STA: 1342+88.3 to 1347+60.8	473	N. EDGE LINE (YELLOW)
STAGE II - WEST BOUND		
STA: 1343+94.0 to 1348+66.5	473	S. EDGE LINE (WHITE)
STA: 1343+94.0 to 1360+27.0	1,633	N. EDGE LINE (YELLOW)
STAGE II TOTAL	4,613	
PROJECT TOTAL	9,185	

70400100 TEMPORARY CONCRETE BARRIER

STATION	FOOT	REMARKS
HARRISON AVE (US 20)		
STA: 1343+31.1 to 1344+05.8	75.0	1:12 TAPER - STAGE I (EB)
STA: 1344+05.8 to 1346+93.3	287.5	STAGE I (EB)
STA: 1344+61.5 to 1347+49.0	287.5	STAGE I (WB)
STA: 1347+49.0 to 1348+22.5	75.0	1:12 TAPER - STAGE I (WB)
PROJECT TOTAL	725.0	

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

STATION	FOOT	REMARKS
HARRISON AVE (US 20)		
STA: 1343+31.1 to 1344+05.8	75.0	1:12 TAPER - STAGE II (EB)
STA: 1344+05.8 to 1346+93.3	287.5	STAGE II (EB)
STA: 1344+61.5 to 1347+49.0	287.5	STAGE II (WB)
STA: 1347+49.0 to 1348+22.5	75.0	1:12 TAPER - STAGE II (WB)
PROJECT TOTAL	725.0	

70600250 IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3

STATION	EACH	REMARKS
HARRISON AVE (US 20)		
STA: 1343+31.1	1	STAGE I (EB)
STA: 1348+22.5	1	STAGE I (WB)
PROJECT TOTAL	2	

70600350 IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3

STATION	EACH	REMARKS
HARRISON AVE (US 20)		
STA: 1343+31.1	1	STAGE II (EB)
STA: 1348+22.5	1	STAGE II (WB)
PROJECT TOTAL	2	

78009000 MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS

STATION	SQ FT	REMARKS
HARRISON AVE (US 20)		
STA: 1336+00.0 to 1338+00.0	62.4	EAST BOUND - RIGHT TURN ARROWS (4)
STA: 1336+50.0 to 1338+00.0	62.4	EAST BOUND - LEFT TURN ARROWS (3)
PROJECT TOTAL	124.8	

78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"

STATION	FOOT	REMARKS
HARRISON AVE (US 20)		
EAST BOUND		
STA: 1328+98.0 to 1338+19.0	1,842	N. EDGE (SOLID DOUBLE YELLOW)
STA: 1328+98.0 to 1337+83.4	886	S. EDGE (SOLID SINGLE WHITE)
STA: 1339+28.0 to 1343+44.5	834	N. EDGE (SOLID DOUBLE YELLOW)
STA: 1343+44.5 to 1347+60.8	417	N. EDGE (SOLID SINGLE YELLOW)
STA: 1339+45.5 to 1347+60.8	816	S. EDGE (SOLID SINGLE WHITE)
WEST BOUND		
STA: 1343+94.0 to 1360+27.0	1,634	N. EDGE (SOLID SINGLE WHITE)
STA: 1343+94.0 to 1360+27.0	1,634	S. EDGE (SOLID SINGE YELLOW)
PROJECT TOTAL	8,063	

78009006 MODIFIED URETHANE PAVEMENT MARKING - LINE 6"

STATION	FOOT	REMARKS
HARRISON AVE (US 20)		
EAST BOUND		
STA: 1328+98.0 to 1338+19.0	231	SKIP DASH CENTERLINE
STA: 1339+28.0 to 1347+60.8	209	SKIP DASH CENTERLINE
WEST BOUND		
STA: 1343+94.0 to 1360+27.0	409	SKIP DASH CENTERLINE
PROJECT TOTAL	849	

78009008 MODIFIED URETHANE PAVEMENT MARKING - LINE 8"

STATION	FOOT	REMARKS
HARRISON AVE (US 20)		
EAST BOUND		
STA: 1336+00.0 TO 1338+19.0	219	RIGHT TURN LANE
STA: 1335+74.5 to 1338+19.0	245	LEFT TURN LANE
PROJECT TOTAL	464	

78009024 MODIFIED URETHANE PAVEMENT MARKING - LINE 24"

STATION	FOOT	REMARKS
HARRISON AVE (US 20)		
EAST BOUND		
STA: 1338+19.0	36	STOP BAR
PROJECT TOTAL	36	

78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING

STATION	SQ FT	REMARKS
HARRISON AVE (US 20)		
STAGE I - EAST BOUND		
STA: 1342+88.3 to 1347+60.8	158	EX. SOUTH EDGE LINE - (4")
STA: 1328+98.0 to 1334+38.0	68	EX. CENTERLINE SKIP DASH - (6")
STA: 1339+22.6 to 1339+66.1	6	EX. CENTERLINE SKIP DASH - (6")
STA: 1336+40.0 to 1336+73.5	23	EX. LEFT TURN LANE CONFLICT - (8")
STAGE I - WEST BOUND		
STA: 1343+94.0 to 1348+66.5	158	EX. NORTH EDGE LINE - (4")
STA: 1353+66.5 to 1359+06.5	68	EX. CENTERLINE SKIP DASH - (6")
STAGE II - EAST BOUND		
STA: 1342+88.3 to 1347+60.8	158	EX. NORTH EDGE LINE - (4")
STA: 1335+75.0 to 1336+40.0	44	EX. RIGHT TURN LANE CONFLICT - (8")
STAGE II - WEST BOUND		
STA: 1343+94.0 to 1348+66.5	158	EX. SOUTH EDGE LINE - (4")
PROJECT TOTAL	841	

***X6026200 INLETS TO BE ADJUSTED (SPECIAL)**

STATION	EACH	REMARKS
HARRISON AVE (US 20)		
STA: 1344+07.0 (RT & LT)	2	
PROJECT TOTAL	2	

***X7030005 TEMPORARY PAVEMENT MARKING REMOVAL**

STATION	SQ FT	REMARKS
HARRISON AVE (US 20)		
STAGE I - EAST BOUND		
STA: 1332+48.3 to 1347+60.8	822	TAPE TYPE IV - 4"
STAGE I - WEST BOUND		
STA: 1343+94.0 to 1359+06.5	702	TAPE TYPE IV - 4"
STAGE II - EAST BOUND		
STA: 1332+48.3 to 1347+60.8	836	TAPE TYPE IV - 4"
STAGE II - WEST BOUND		
STA: 1343+94.0 to 1359+06.5	702	TAPE TYPE IV - 4"
PROJECT TOTAL	3,062	

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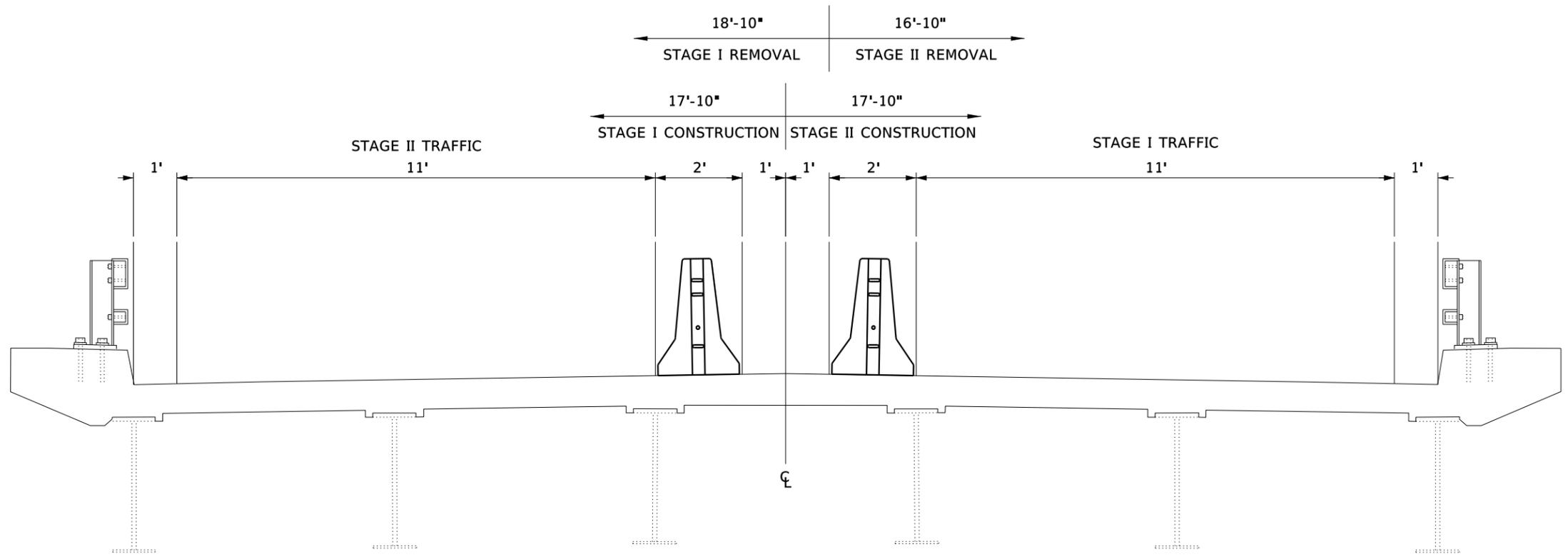
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PLOT DATE = 12/2/2020	DATE - 12/01/20	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE N / A SHEET 1 OF 1 SHEETS STA. N / A TO STA. N / A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B/BJR	WINNEBAGO	24	4
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				



STAGE CONSTRUCTION TYPICAL SECTIONS

(SN 101-0073 E.B. LOOKING EAST)
 (SN 101-0074 W.B. LOOKING WEST)

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PLOT DATE = 12/2/2020	DATE - 12/01/20	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGE I & II CONSTRUCTION TYPICAL SECTIONS

SHEET 1 OF 1 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B1BJR	WINNEBAGO	24	5
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				

PRE US 20 CONSTRUCTION NOTES:

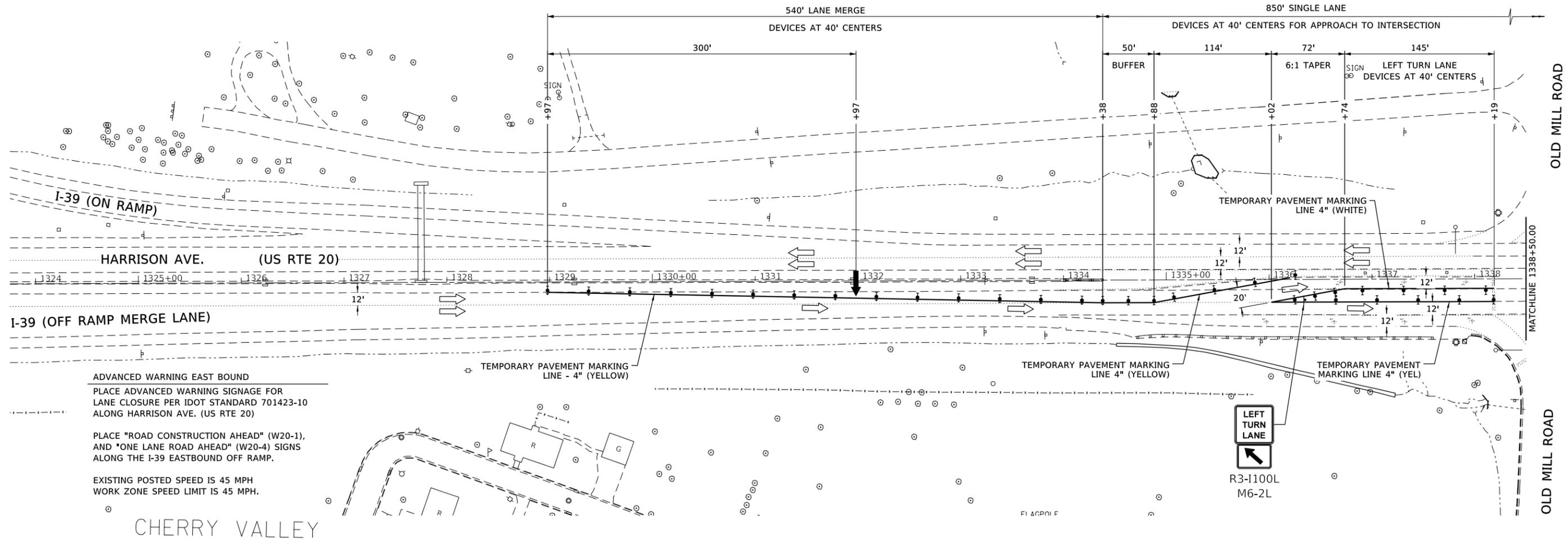
- 1) TWO CHANGEABLE MESSAGE SIGNS, ONE IN EACH DIRECTION, SHALL BE IN PLACE FOR TWO WEEKS PRIOR TO THE START OF CONSTRUCTION. WILL BE TAKEN DOWN ONCE THE STAGE TRAFFIC CONTROL DEVICES HAVE BEEN INSTALLED. THE CONTRACTOR IS TO COORDINATE THE MESSAGE WITH THE STATE OF ILLINOIS PRIOR TO INSTALLATION.

STAGE I CONSTRUCTION NOTES:

- 1) ALL CONFLICTING EXISTING PAEMENT MARKINGS ARE TO BE REMOVED BY METHOD OF WATER BLASTING. PLACE THE TEMPORARY PAVEMENT MARKING PAINT, INSTALL ADVANCED WARNING SIGNS AND ARROW BOARDS FOR LANE CLOSURE PER STANDARD 701423-10. INSTALL STAGE I CONCRETE BARRIER AND TRAFFIC CONTROL USING STANDARD 701426-09. CLOSING THE INTERIOR LANE, SHIFT TRAFFIC TO THE EXTERIOR LANE FOR BOTH EAST AND WEST BOUND TRAFFIC ON US 20.
- 2) PERFORM STAGE I PORTION OF STRUCTURE AND DECK REPAIRS, (SEE STAGE CONSTRUCTION DETAILS AND SEQUENCE SHEET IN BRIDGE PLANS).
- 3) REMOVE STAGE I TEMPORARY PAVEMENT MARKINGS, REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS BY METHOD OF WATER BLASTING, PLACE STAGE II TEMPORARY PAVEMENT MARKINGS, AND RELOCATE TEMPORARY CONCRETE BARRIER TO STAGE II ALIGNMENT USING STANDARDS 701426-09, AND 701901-08.
- 4) SWITCH TRAFFIC TO STAGE II CONSTRUCTION, CLOSING THE EXTERIOR LANE AND SHIFT TRAFFIC TO THE INTERIOR LANE FOR BOTH EAST AND WEST BOUND TRAFFIC ON US 20.

LEGEND

- TYPE III BARRICADE
- TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- IMPACT ATTENUATOR
- TEMPORARY CONCRETE BARRIER
- ARROW BOARD
- SIGN
- WORK AREA



ADVANCED WARNING EAST BOUND
PLACE ADVANCED WARNING SIGNAGE FOR LANE CLOSURE PER IDOT STANDARD 701423-10 ALONG HARRISON AVE. (US RTE 20)

PLACE "ROAD CONSTRUCTION AHEAD" (W20-1), AND "ONE LANE ROAD AHEAD" (W20-4) SIGNS ALONG THE I-39 EASTBOUND OFF RAMP.

EXISTING POSTED SPEED IS 45 MPH
WORK ZONE SPEED LIMIT IS 45 MPH.

CHERRY VALLEY

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USER NAME = greg	DESIGNED - GBG	REVISED -
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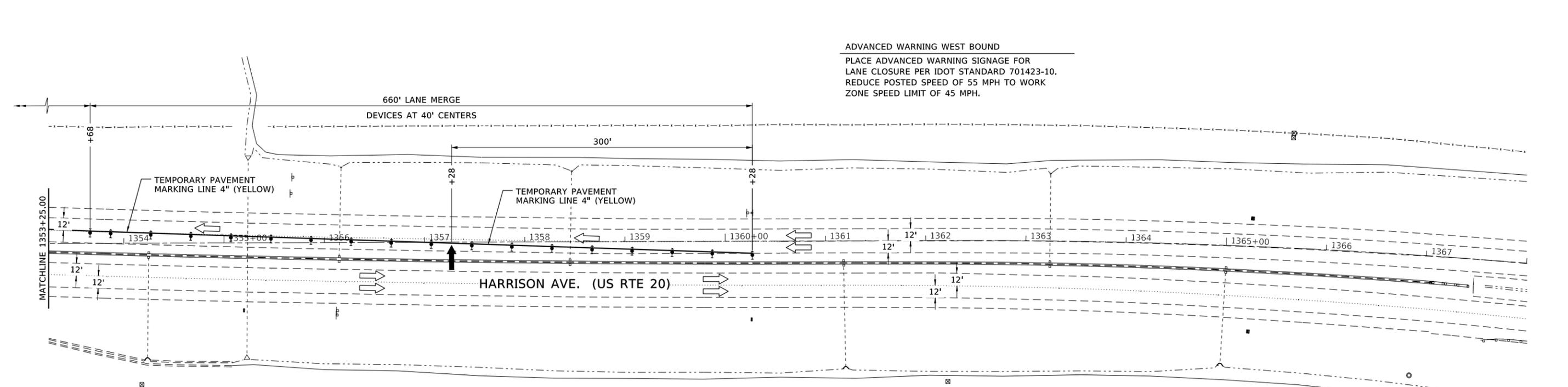
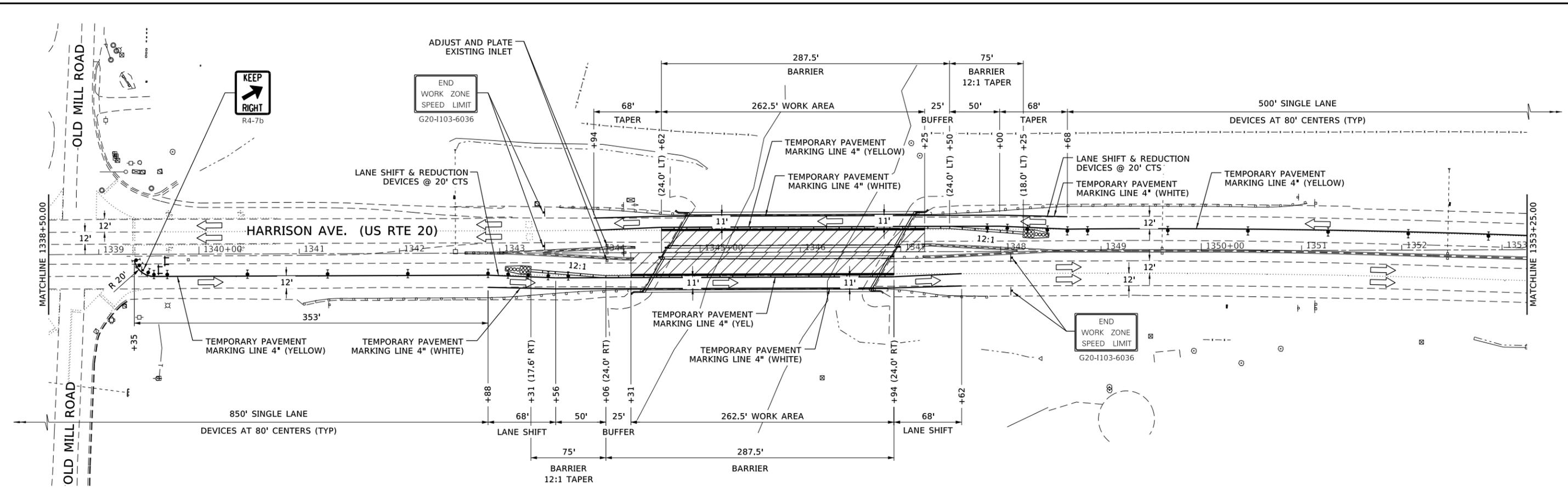
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN - STAGE I

SCALE 1" = 50'-0" SHEET 1 OF 4 SHEETS STA. 1324+00 TO STA. 1338+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B/BJR	WINNEBAGO	24	6
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				

FILE = S:\PROJECTS\2018\1427018.IDOT\DESIGN\CAD\SHEETS\WO.5-Traffic-Control-Plan.dgn



ADVANCED WARNING WEST BOUND
 PLACE ADVANCED WARNING SIGNAGE FOR
 LANE CLOSURE PER IDOT STANDARD 701423-10.
 REDUCE POSTED SPEED OF 55 MPH TO WORK
 ZONE SPEED LIMIT OF 45 MPH.

LEGEND

↑↑ TYPE III BARRICADE	▬ TEMPORARY CONCRETE BARRIER
⚡ TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT	➡ ARROW BOARD SIGN
⚡ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT	▨ WORK AREA
⊠ IMPACT ATTENUATOR	



USER NAME = greg	DESIGNED - GBG	REVISED -
PLOT SCALE = 1200.0000 "/>		
PLOT DATE = 12/2/2020	DATE - 12/01/20	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN - STAGE I

SCALE 1" = 50'-0" SHEET 2 OF 4 SHEETS STA. 1338+50 TO STA. 1368+00

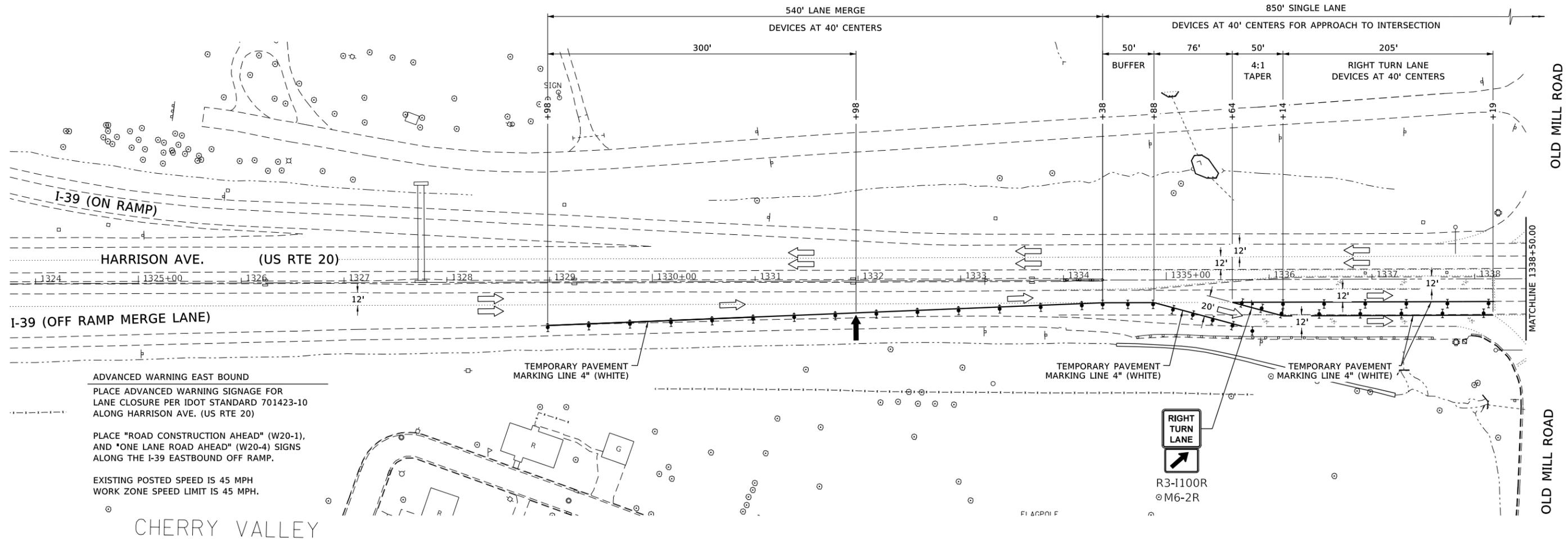
F.A.P. RTE. 525	SECTION 16B/BJR	COUNTY WINNEBAGO	TOTAL SHEETS 24	SHEET NO. 7
S.N. 101-0073 & 101-0074		CONTRACT NO. 64P64		
ILLINOIS FED. AID PROJECT				

STAGE II CONSTRUCTION NOTES:

- 1) PERFORM STAGE II PORTION OF STRUCTURE AND DECK REPAIR, (SEE STAGE CONSTRUCTION DETAILS AND SEQUENCE SHEET IN THE BRIDGE PLANS).
- 2) REMOVE STAGE II CONCRETE BARRIER, TRAFFIC CONTROL DECIVES, AND TEMPORARY PAVEMENT MARKINGS, USING STANDARDS 701426-09 AND 701901-08.
- 3) PERFORM PAVEMENT STRIPING WORK USING STANDARDS 701426-09 AND 701901-08.

LEGEND

- TT TYPE III BARRICADE
- ⊥ TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ⊥ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR
- ▬ TEMPORARY CONCRETE BARRIER
- ➔ ARROW BOARD
- ⊥ SIGN
- ▨ WORK AREA



ADVANCED WARNING EAST BOUND
PLACE ADVANCED WARNING SIGNAGE FOR LANE CLOSURE PER IDOT STANDARD 701423-10 ALONG HARRISON AVE. (US RTE 20)

PLACE "ROAD CONSTRUCTION AHEAD" (W20-1), AND "ONE LANE ROAD AHEAD" (W20-4) SIGNS ALONG THE I-39 EASTBOUND OFF RAMP.

EXISTING POSTED SPEED IS 45 MPH
WORK ZONE SPEED LIMIT IS 45 MPH.

CHERRY VALLEY

FILE = S:\PROJECTS\2018\1427018.IDOT\DESIGN\CAD\SHEETS\WO.5-1\1427018-WO.5-1-traffic-Control-Plan.dgn



USER NAME = greg	DESIGNED - GBG	REVISED -
PLOT SCALE = 1200.0000' / ft.	DRAWN - GBG	REVISED -
PLOT DATE = 12/2/2020	CHECKED - GFS	REVISED -
	DATE - 12/01/20	REVISED -

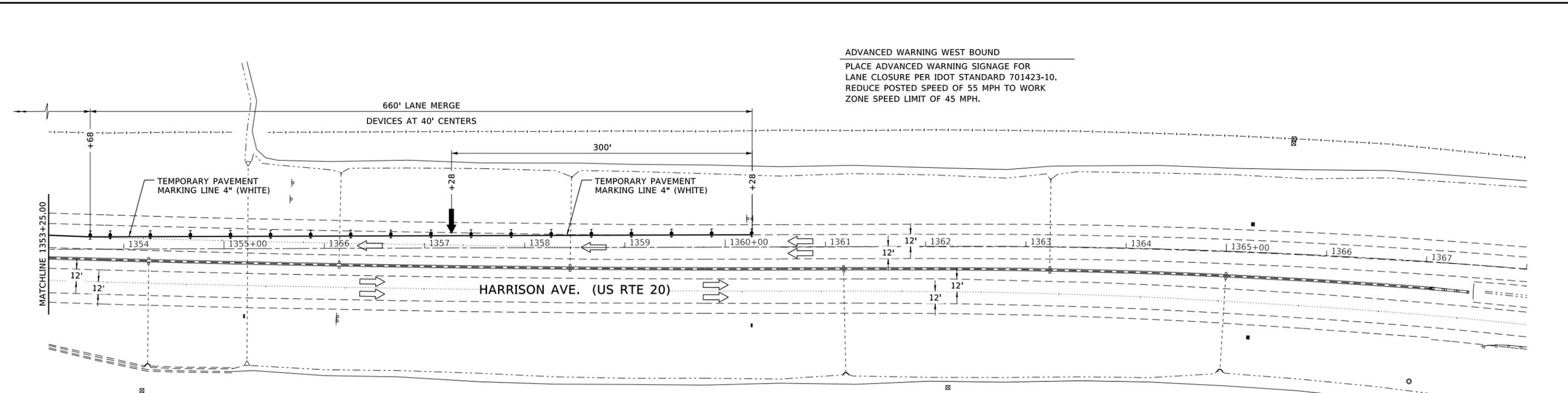
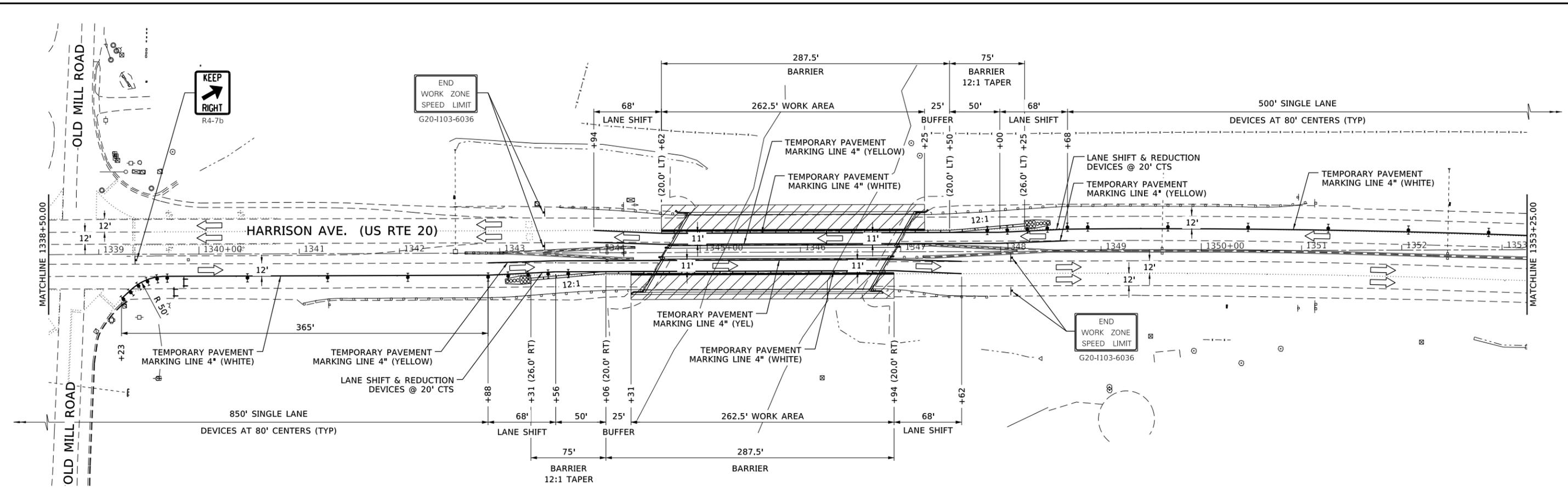
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN - STAGE II

SCALE 1" = 50'-0" SHEET 3 OF 4 SHEETS STA. 1324+00 TO STA. 1338+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B1BJR	WINNEBAGO	24	8
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				

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ADVANCED WARNING WEST BOUND
 PLACE ADVANCED WARNING SIGNAGE FOR
 LANE CLOSURE PER IDOT STANDARD 701423-10.
 REDUCE POSTED SPEED OF 55 MPH TO WORK
 ZONE SPEED LIMIT OF 45 MPH.

LEGEND

- TT TYPE III BARRICADE
- ⚡ TYPE II BARRICADE OR DRUM WITH STEADY BURN MONODIRECTIONAL LIGHT
- ➡ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT
- ▨ IMPACT ATTENUATOR
- ▬ TEMPORARY CONCRETE BARRIER
- ➡ ARROW BOARD SIGN
- ▨ WORK AREA



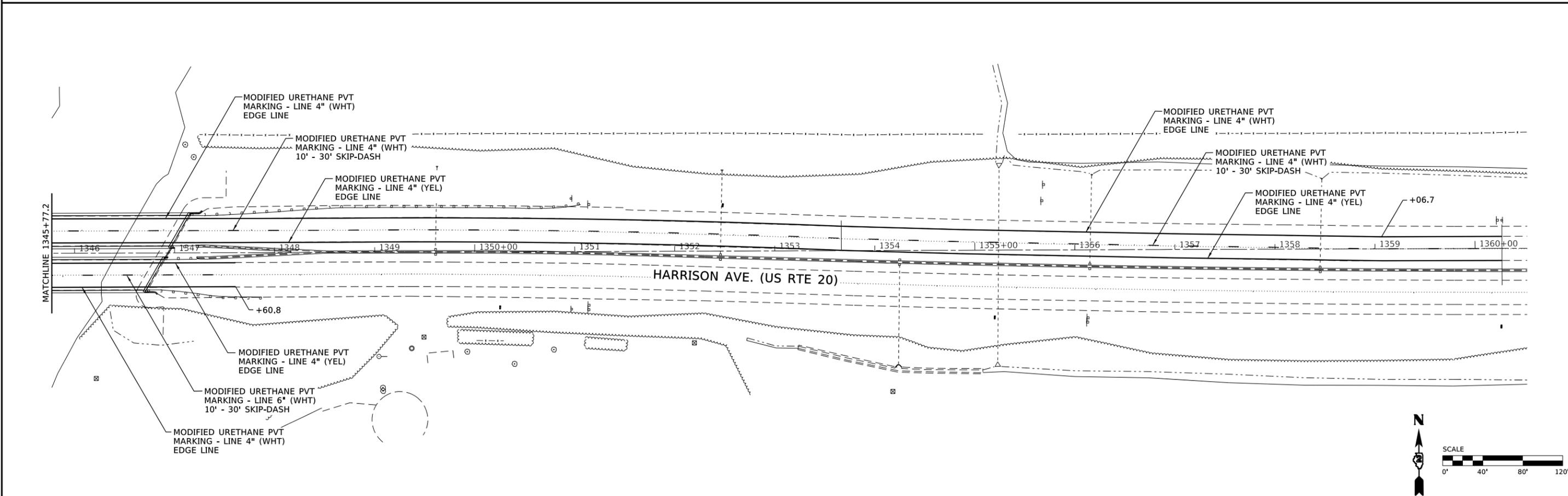
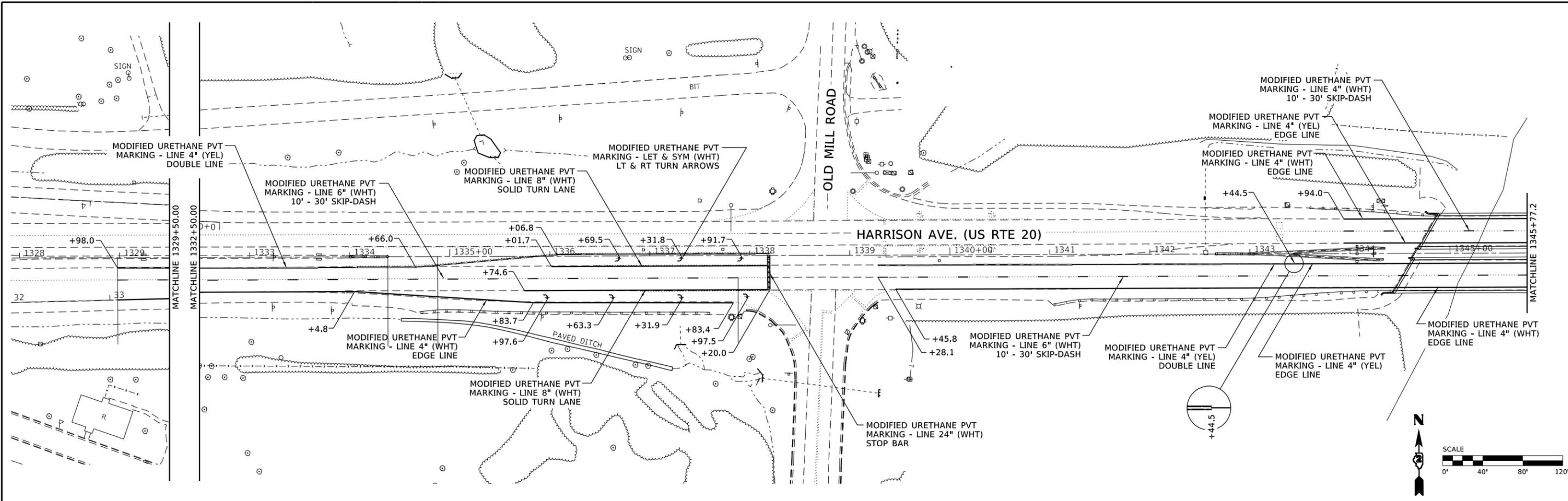
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PLOT SCALE = 1200.0000 "/> <td>DRAWN - GBG</td> <td>REVISED -</td>	DRAWN - GBG	REVISED -
PLOT DATE = 12/2/2020	CHECKED - GFS	REVISED -
	DATE - 12/01/20	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN - STAGE II

SCALE 1" = 50'-0" SHEET 4 OF 4 SHEETS STA. 1338+50 TO STA. 1368+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B/BJR	WINNEBAGO	24	9
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				



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USER NAME = greg
 PLOT SCALE = 1200.0000 "/>

DESIGNED - GBG
 DRAWN - DLB
 CHECKED - GFS
 DATE - 9/28/20

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

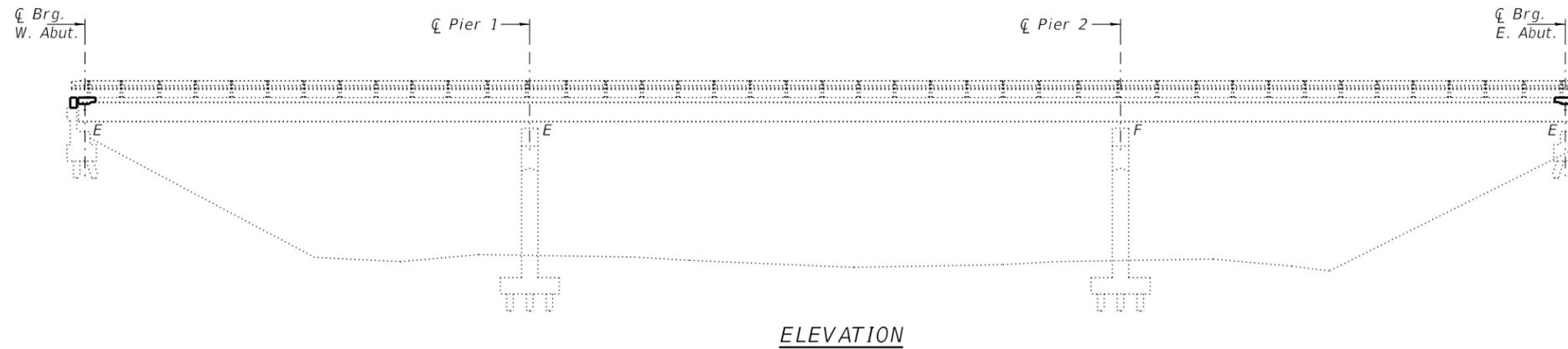
PAVEMENT MARKING PLAN

SCALE 1" = 50'-0" SHEET 1 OF 1 SHEETS STA. 1331+00 TO STA. 1360+00

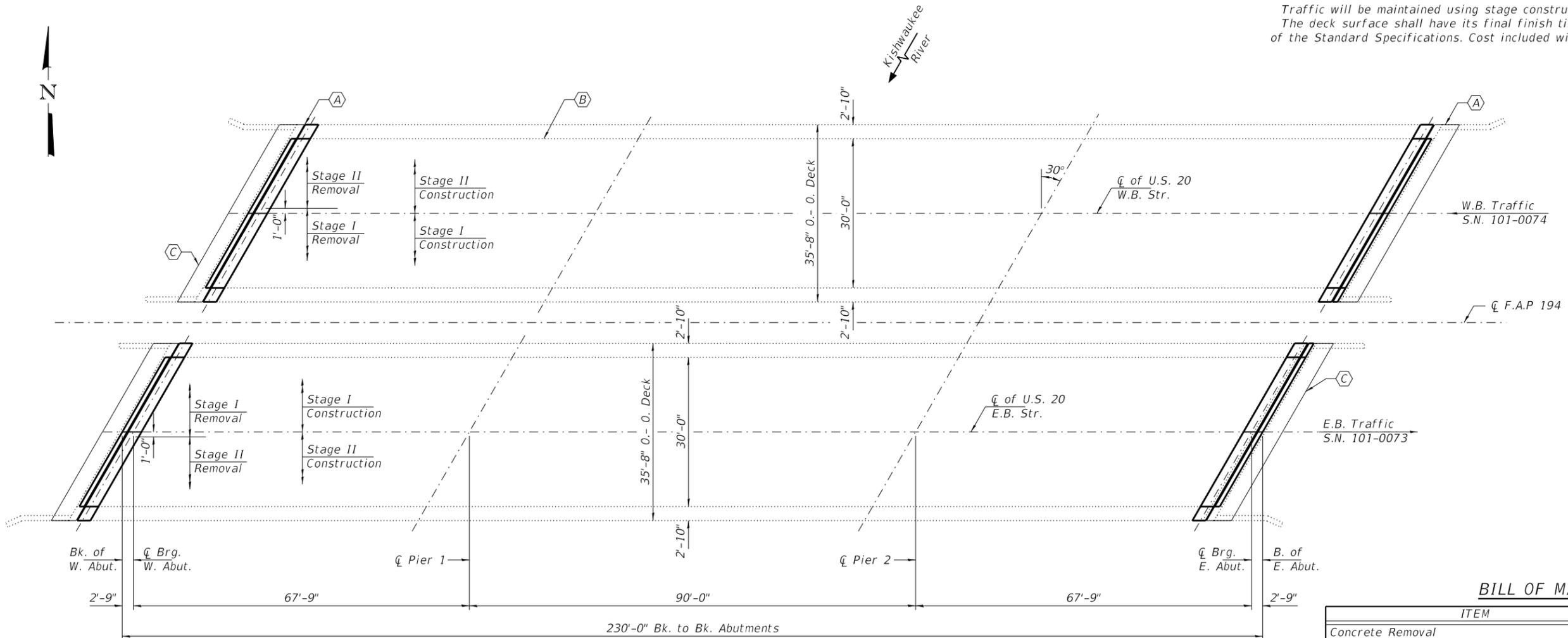
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B1BJR	WINNEBAGO	24	10
S.N. 101-0073 & 101-0074		CONTRACT NO. 64P64		
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.
 Reinforcement bars designated (E) shall be epoxy coated.
 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. Cost included with Concrete Removal.
 Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50° F.
 Traffic will be maintained using stage construction.
 The deck surface shall have its final finish tined according to Article 420.09(e)(1) of the Standard Specifications. Cost included with Concrete Superstructures.



ELEVATION



FRAMING PLAN

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	24.4
Concrete Superstructure	Cu. Yd.	24.4
Hot-Mix Asphalt Surface Removal, 1.5"	Sq. Yd.	45.8
Hot-Mix Asphalt Surface Course, IL-9.5, Mix "C", N70	Tons	3.7
Preformed Joint Strip Seal	Foot	156
Reinforcement Bars, Epoxy Coated	Pound	3620
Bar Splicers	Each	56
* Protective Coat	Sq. Yd.	56.7
Structural Repair of Concrete < 5"	Sq. Ft.	77

* Apply to new concrete only.

- (A) - Remove existing Neoprene Joints and install new Preformed Joint Strip Seal.
- (B) - Structural Repair of Concrete, see sheets 6 and 7 of 8 for locations.
- (C) - Remove and replace HMA, see sheets 6 and 7 of 8.



EXPIRES 11-30-2022

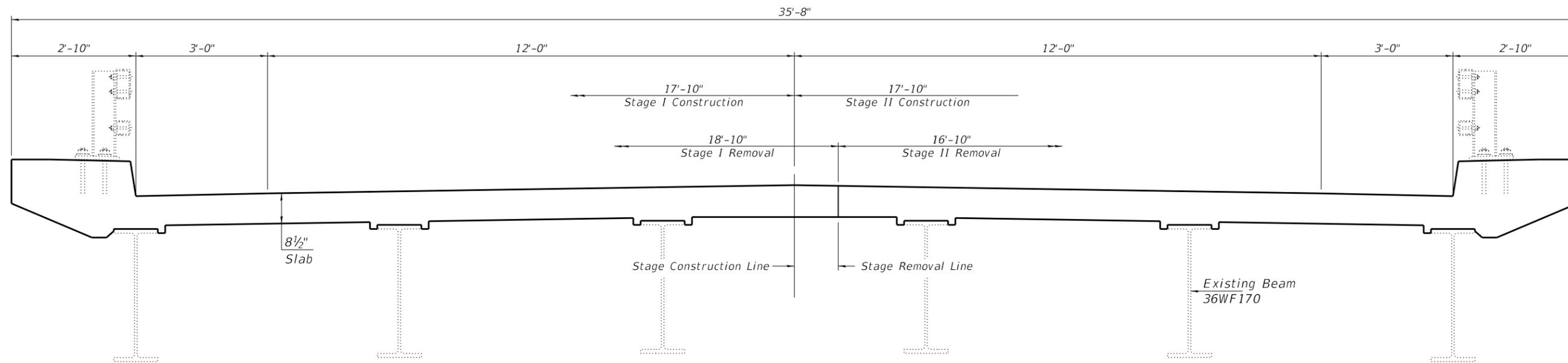
DESIGNED - Jeffrey S. Burke	EXAMINED - <i>Ting A. Hest</i>	DATE - JANUARY 31, 2020
CHECKED - Adrian T. Halloway	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Reddy	PASSED - <i>Dr. Carl Puze</i>	REVISED -
CHECKED - JSB ATH	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL PLAN AND ELEVATION
FAS 194 OVER W. SCHLINK ROAD
SN 101-0073 & 101-0074**

SHEET NO. 1 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)BJR	WINNEBAGO	24	11
CONTRACT NO. 64P64				
ILLINOIS FED. AID PROJECT				



CROSS SECTION AT ABUTMENTS

(SN 101-0073 E.B. Looking East)
 (SN 101-0074 W.B. Looking West)

DESIGNED - JSB
 CHECKED - ATH
 DRAWN - Venkat Reddy
 CHECKED - JSB ATH

EXAMINED
 PASSED
Timothy A. Daulton
 ENGINEER OF STRUCTURAL SERVICES
Carl R. Rieger
 ENGINEER OF BRIDGES AND STRUCTURES

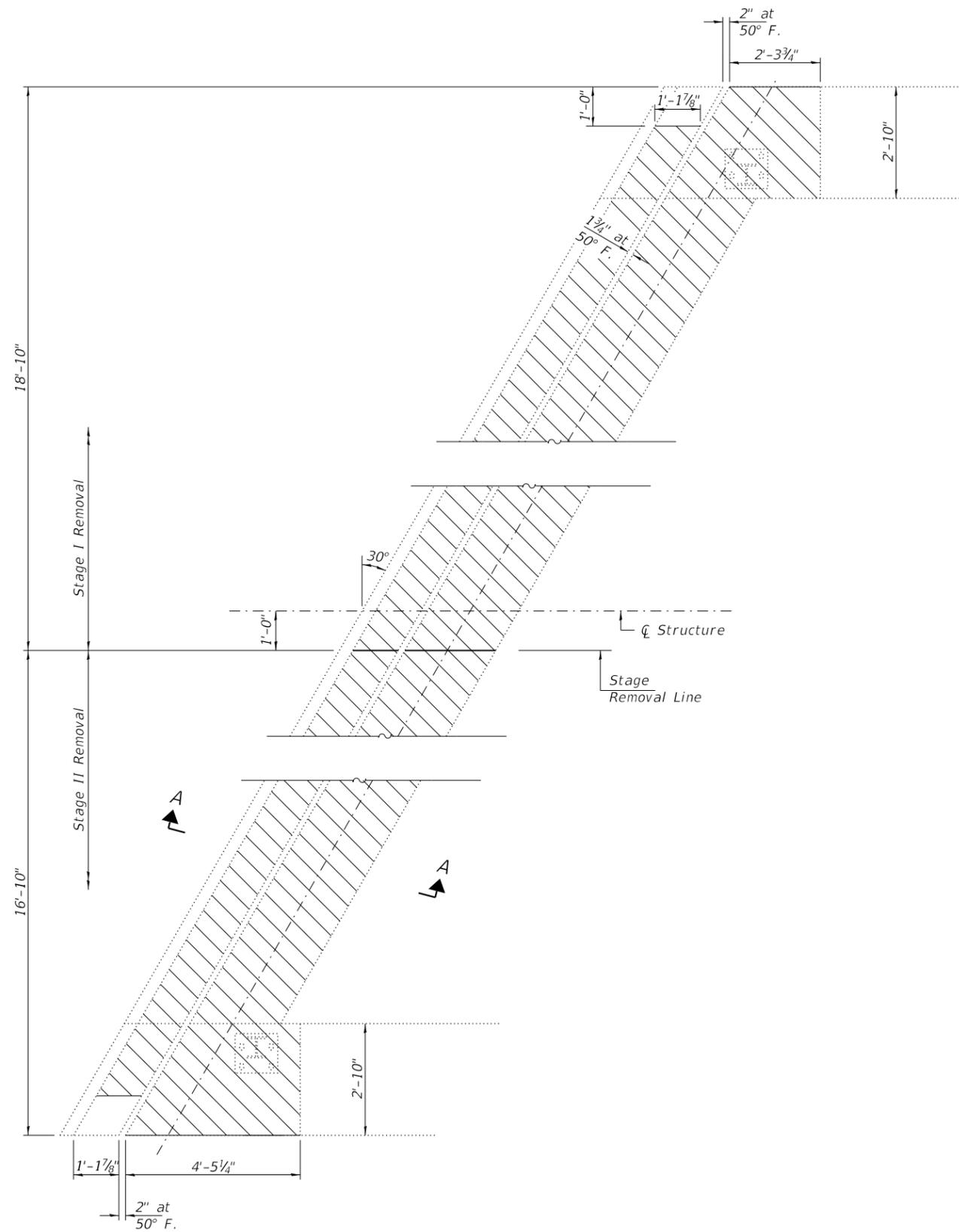
DATE - JANUARY 31, 2020
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS & STAGING DETAILS
 SN 101-0073 & 101-0074**

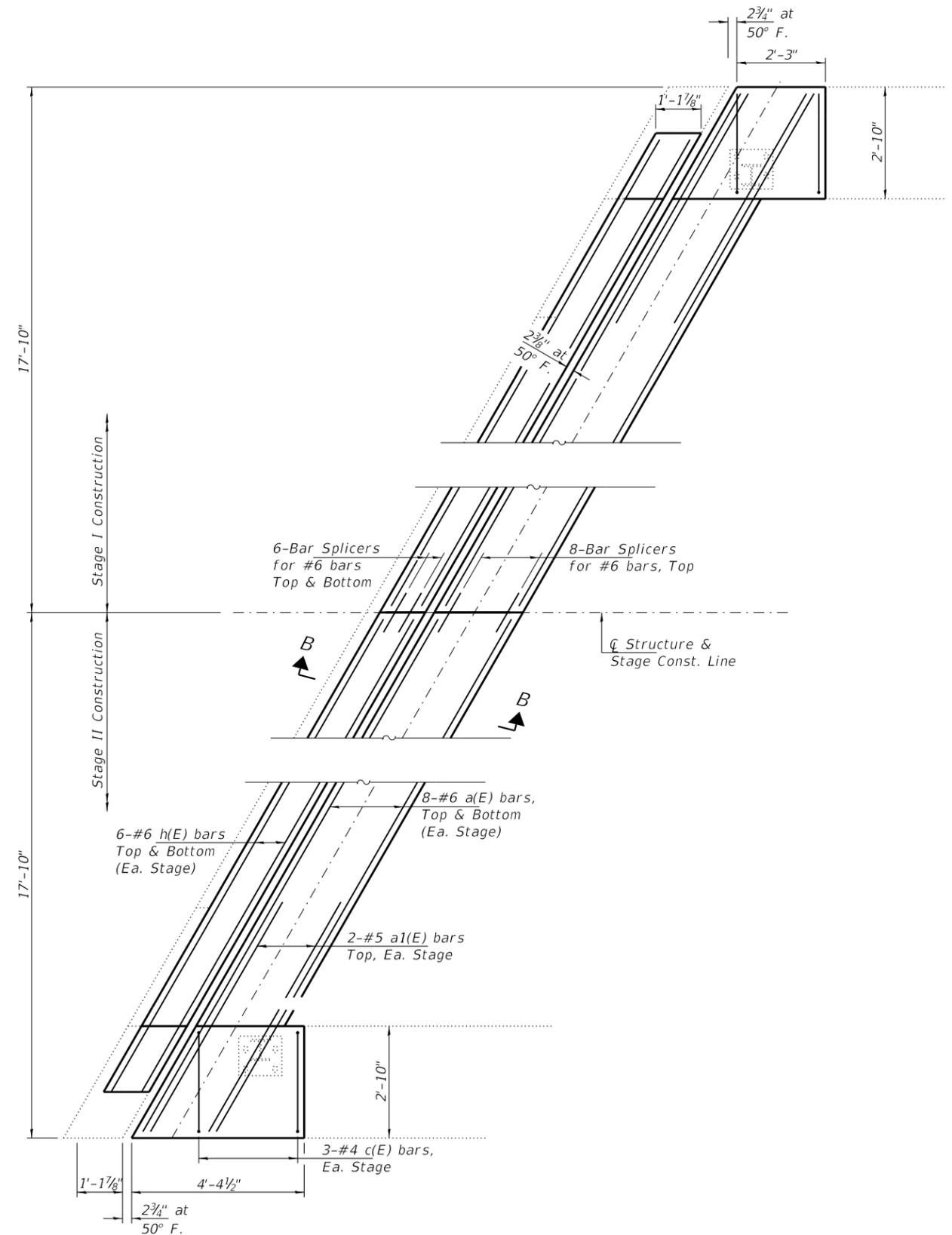
SHEET NO. 2 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)BJR	WINNEBAGO	24	12
CONTRACT NO. 64P64				
ILLINOIS		FED. AID PROJECT		



REMOVAL PLAN

West Abut. of SN 101-0073 E.B. shown,
 West Abut. of SN 101-0074 W.B similar
 by mirroring along ϕ F.A.P. 194.



REPLACEMENT PLAN

West Abut. of SN 101-0073 E.B. shown,
 West Abut. of SN 101-0074 W.B similar
 by mirroring along ϕ F.A.P. 194.

DESIGNED - JSB	EXAMINED
CHECKED - ATH	PASSED
DRAWN - Venkat Reddy	
CHECKED - JSB ATH	

 ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 31, 2020
 ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
	REVISED -

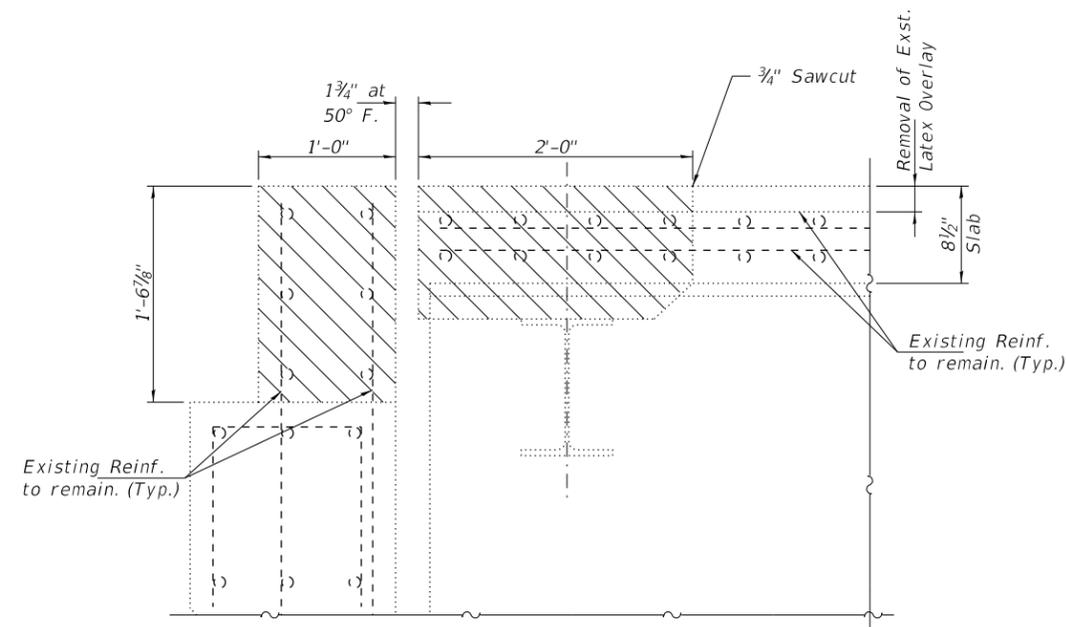
DATE - JANUARY 31, 2020
REVISED -
REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

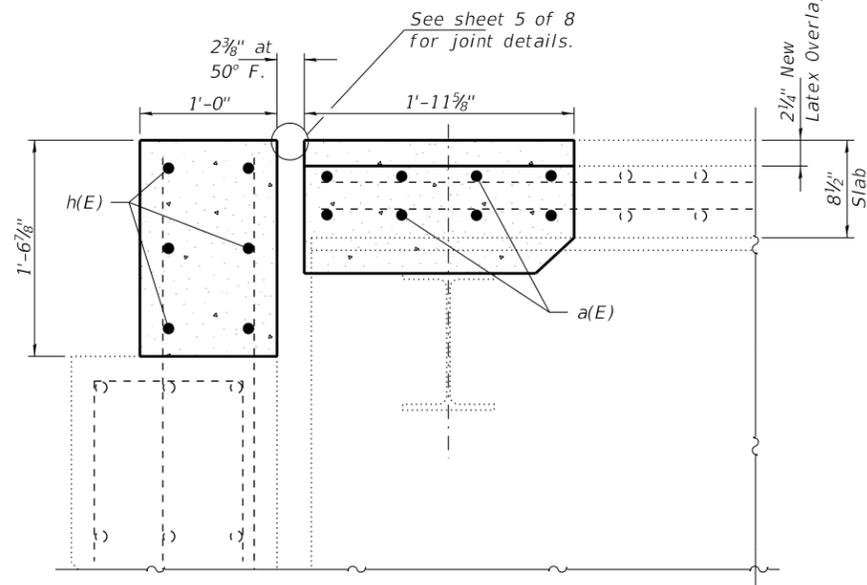
**JOINT REPLACEMENT DETAILS
 SN 101-0073 & 101-0074**

SHEET NO. 3 OF 8 SHEETS

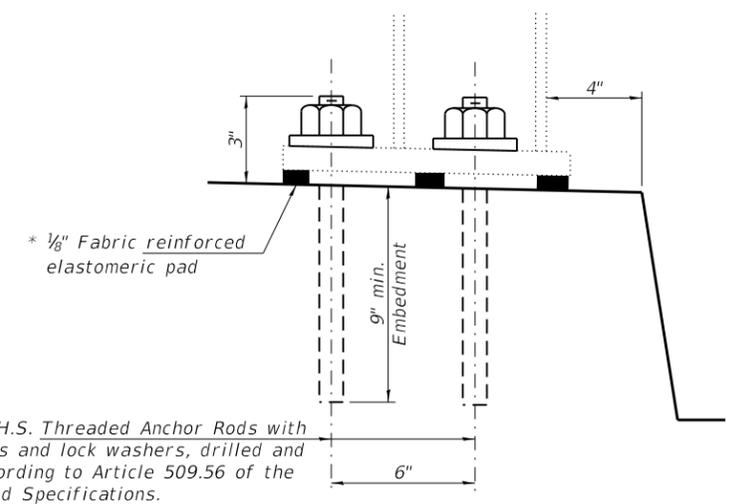
F.A.P. RTE. 525	SECTION (6B)BJR	COUNTY WINNEBAGO	TOTAL SHEETS 24	SHEET NO. 13
CONTRACT NO. 64P64				
ILLINOIS FED. AID PROJECT				



SECTION A-A

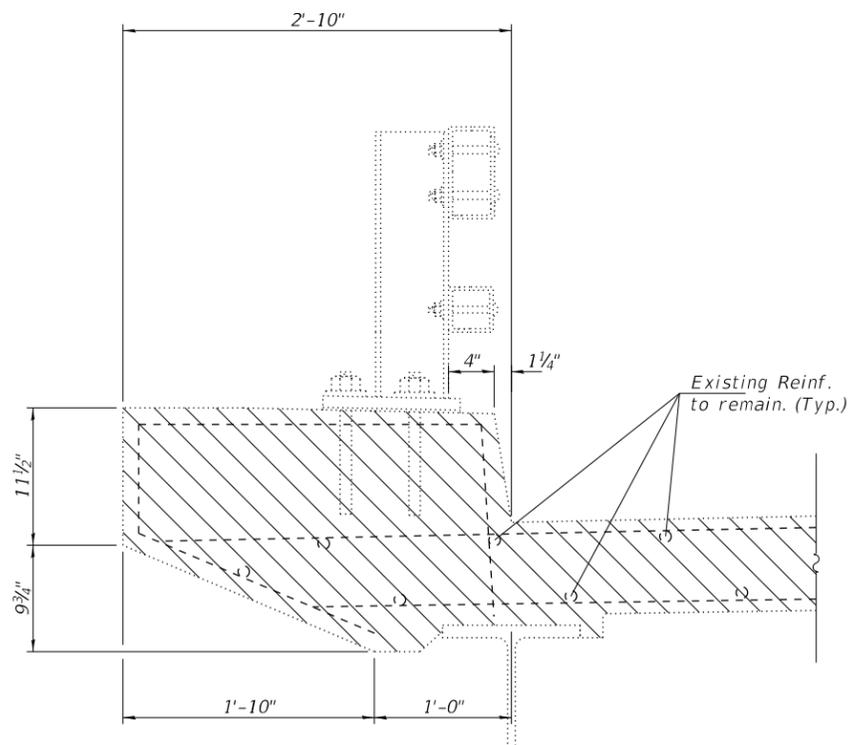


SECTION B-B

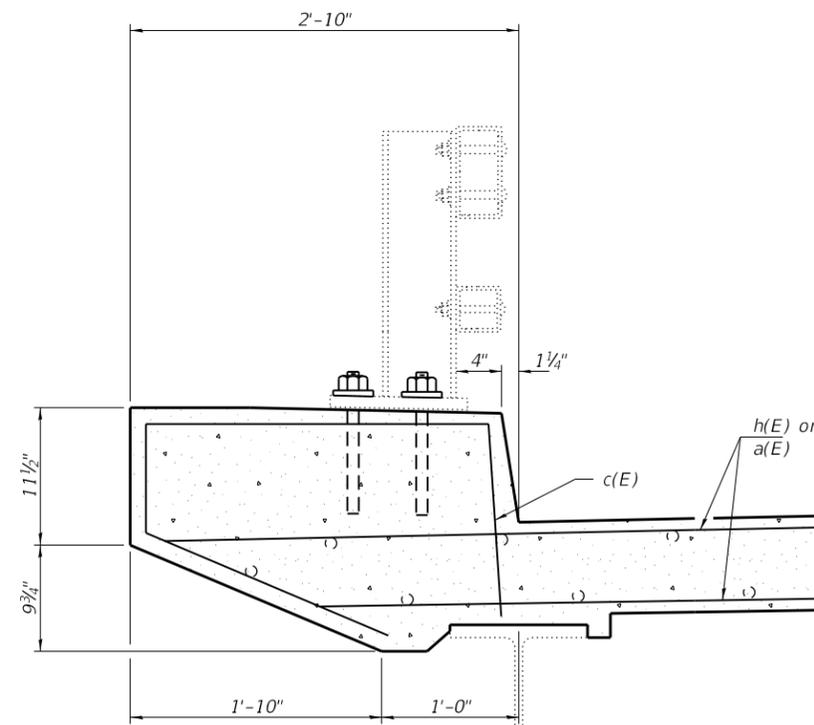


ANCHOR ROD DETAILS

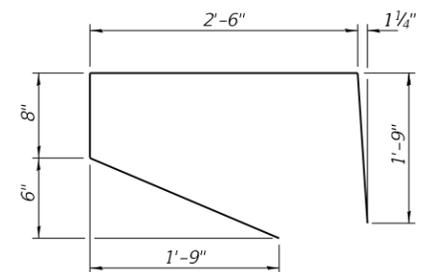
* See Sheet 3 of 8 for locations.
Cost included with Concrete Superstructure



SECTION THROUGH CURB-REMOVAL



SECTION THROUGH CURB-PROPOSED



c(E) BAR

BILL OF MATERIAL
(4 ABUTMENTS)

Bar	No.	Size	Length	Shape
a(E)	64	#6	20'-4"	—
a1(E)	16	#5	6'-0"	—
c(E)	24	#4	6'-6"	┌
h(E)	48	#6	20'-4"	—
Concrete Removal			Cu. Yd.	24.4
Concrete Superstructure			Cu. Yd.	24.4
Reinforcement Bars, Epoxy Coated			Pound	3620
Bar Splicers			Each	56

Note:
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 Concrete Removal.

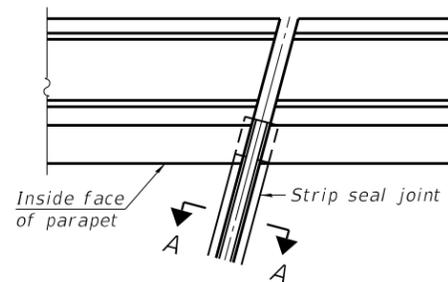
DESIGNED - JSB	EXAMINED - <i>Timothy A. Daulton</i>	DATE - JANUARY 31, 2020
CHECKED - ATH	ENGINEER OF STRUCTURAL SERVICES	
DRAWN - Venkat Reddy	PASSED - <i>Carl P. ...</i>	REVISED -
CHECKED - JSB ATH	ENGINEER OF BRIDGES AND STRUCTURES	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

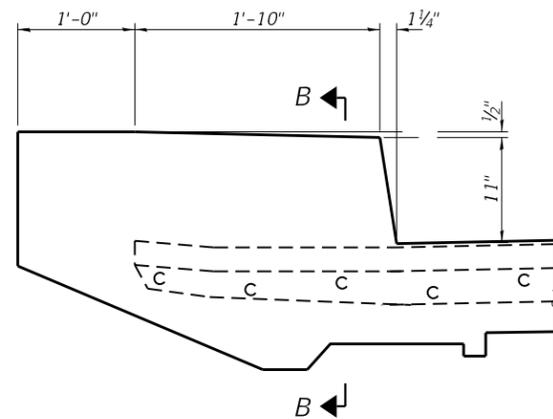
JOINT REPLACEMENT DETAILS
SN 101-0073 & 101-0074

SHEET NO. 4 OF 8 SHEETS

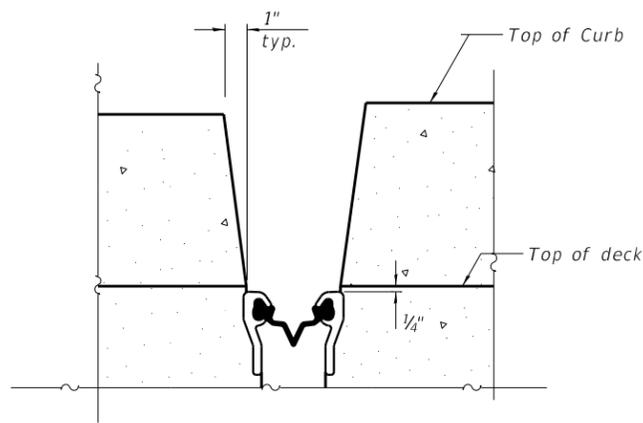
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)BJR	WINNEBAGO	24	14
CONTRACT NO. 64P64				
ILLINOIS FED. AID PROJECT				



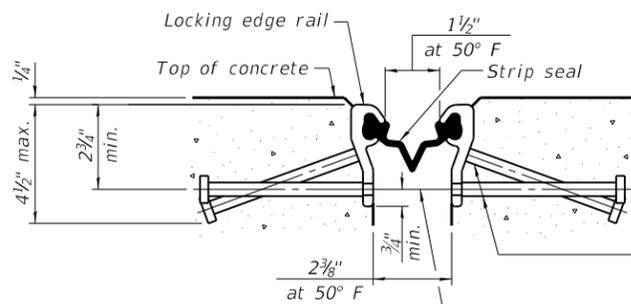
FOR SKEWS $\leq 30^\circ$
PLAN AT PARAPET



ELEVATION AT PARAPET
 (Skews $\leq 30^\circ$)



SECTION B-B



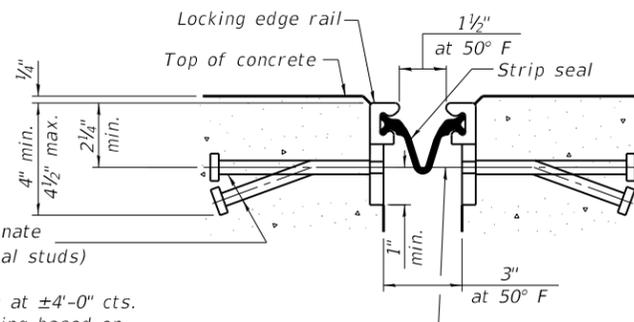
SHOWING ROLLED RAIL JOINT

* $5/8"$ \emptyset x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

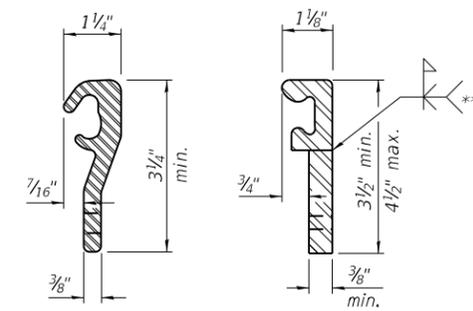
$3/8"$ \emptyset threaded rods in $7/16"$ \emptyset holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



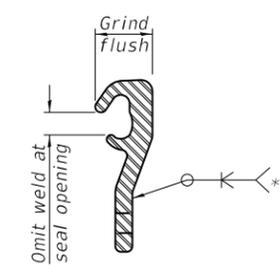
SHOWING WELDED RAIL JOINT



LOCKING EDGE RAILS
 ROLLED (EXTRUDED) RAIL WELDED RAIL

LOCKING EDGE RAILS

** Back gouge not required if complete joint penetration is verified by mock-up.



LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	156

Notes:

The strip seal shall be made continuous and shall have a minimum thickness of $1/4"$. The configuration of the strip seal shall match the configuration of the locking edge rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches.

The locking edge rails depicted are configured for typical applications and are conceptual only. The actual configuration of the locking edge rails and matching strip seal may vary from manufacturer to manufacturer provided they fit the application and meet the minimum anchorage shown. Flanged edge rails, however, will not be allowed. Locking edge rails may exceed the $4 1/2"$ maximum depth provided the anchorage system is revised according to the manufacturer's recommendation.

The manufacturer's recommended installation methods shall be followed.

All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications.

The Maximum space between locking edge rail segments shall be $3/16"$ and sealed with a suitable sealant; however, any rail joint within 10' measured perpendicular to the face of the curb or parapet shall be welded as shown in the locking edge rail splice detail.

The concrete opening below the strip seal will vary based on the locking edge rail chosen by the Contractor. Deck and parapet lengths shown elsewhere in the plans are dimensioned to the concrete opening, not the joint opening, and are based on the rolled locking edge rail. If the Contractor elects to use a different locking edge rail, dimensional adjustments may be required. One exception to this would be the strip seal joint at the end of the precast bridge approach slab. For these cases the pavement connector length shall be adjusted, not the length of the bridge approach slab.

DESIGNED - JSB
 CHECKED - ATH
 DRAWN - Venkat Reddy
 CHECKED - JSB ATH

EXAMINED
 PASSED
 ENGINEER OF STRUCTURAL SERVICES
 ENGINEER OF BRIDGES AND STRUCTURES

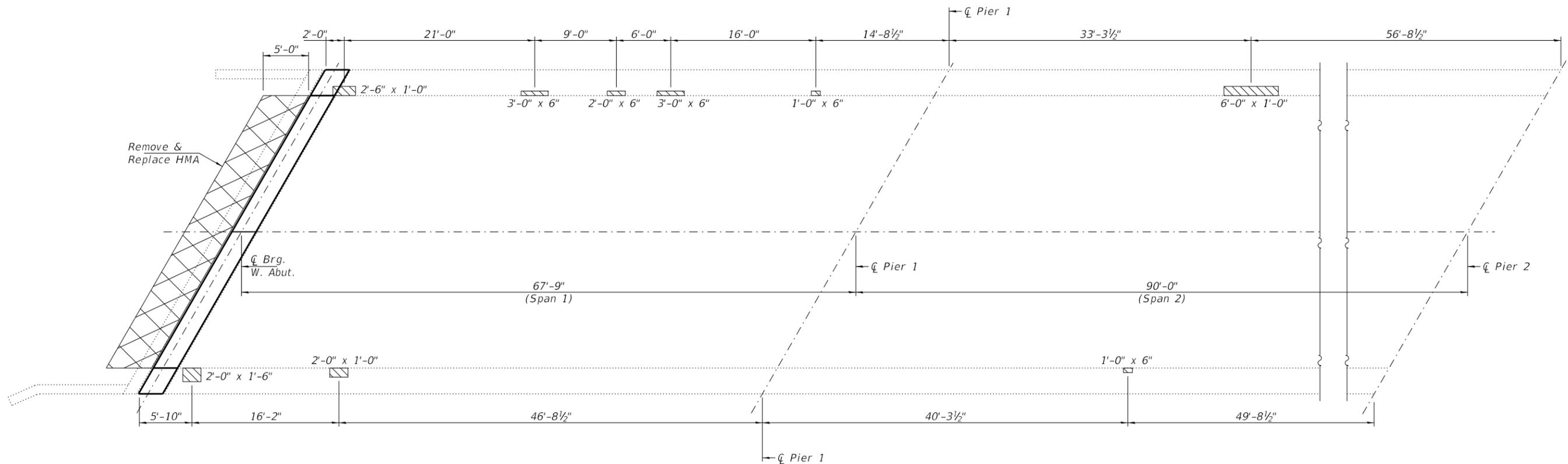
DATE - JANUARY 31, 2020
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
 SN 101-0073 & 101-0074

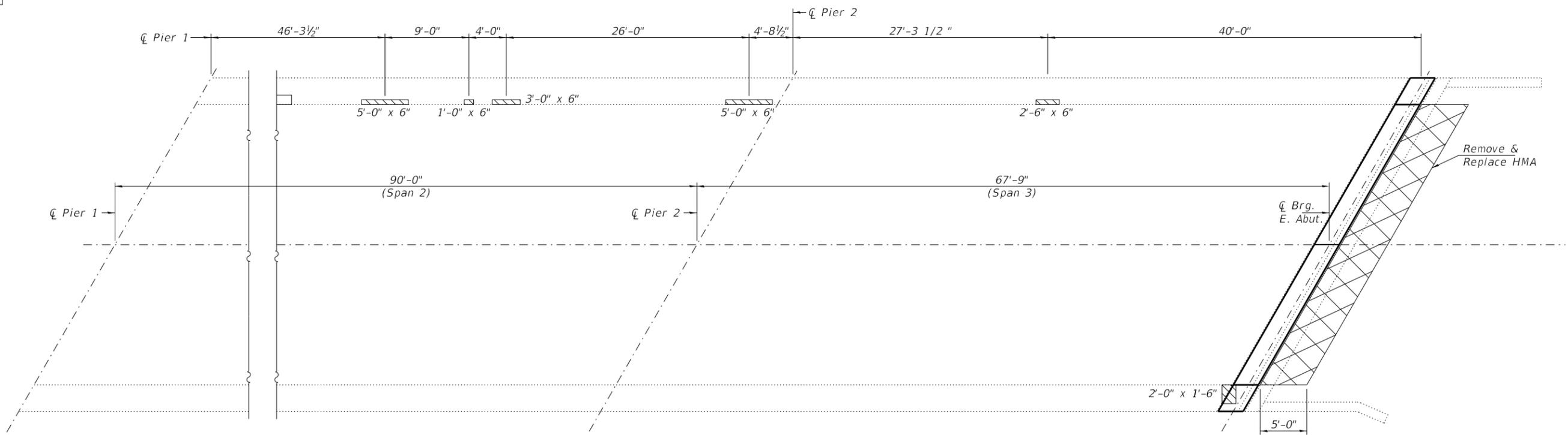
SHEET NO. 5 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)BJR	WINNEBAGO	24	15
CONTRACT NO. 64P64				
ILLINOIS FED. AID PROJECT				



- Structural Repair of Concrete < 5"
- Remove and Replace HMA

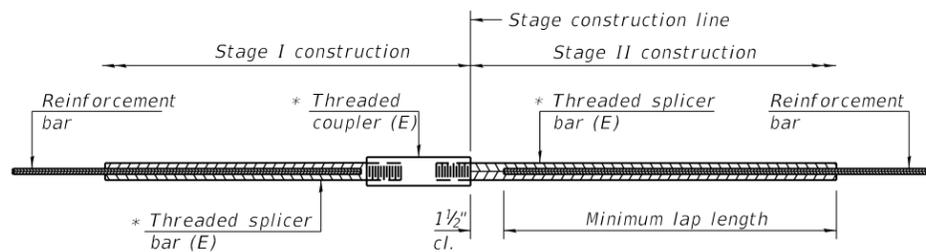
CONCRETE REPAIRS (SPAN 1 & 2)



CONCRETE REPAIRS (SPAN 2 & 3)

Note:
For Bill of Material, see sheet 7 of 8.

DESIGNED - JSB	EXAMINED -	DATE - JANUARY 31, 2020	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONCRETE REPAIRS SN 101-0073	F.A.P. RTE. 525	SECTION (6B)BJR	COUNTY WINNEBAGO	TOTAL SHEETS 24	SHEET NO. 16
CHECKED - ATH	PASSED -	REVISD -			SHEET NO. 6 OF 8 SHEETS		CONTRACT NO. 64P64		
DRAWN - Venkat Reddy	ENGINEER OF BRIDGES AND STRUCTURES	REVISD -	ILLINOIS FED. AID PROJECT						
CHECKED - JSB ATH									

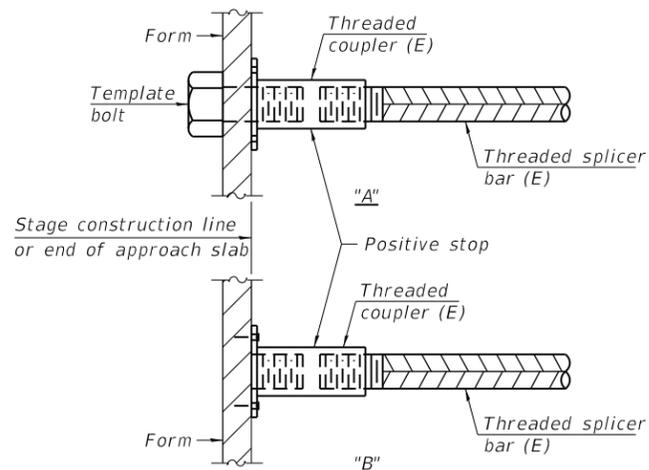


STANDARD BAR SPLICER ASSEMBLY

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

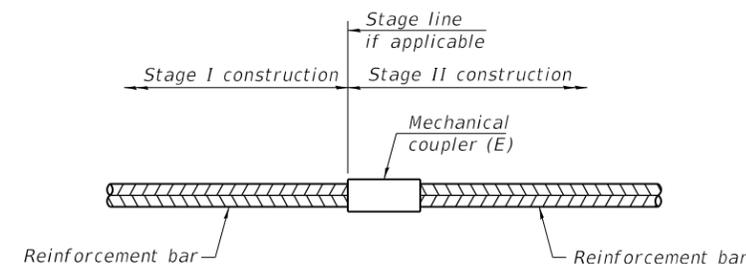
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
W. & E. Abut. Deck (0073)	#6	16	4'-5"
W. & E. Abut. Bk. Wall (0073)	#6	12	4'-0"
W. & E. Abut. Deck (0074)	#6	16	4'-5"
W. & E. Abut. Bk. Wall (0074)	#6	12	4'-0"



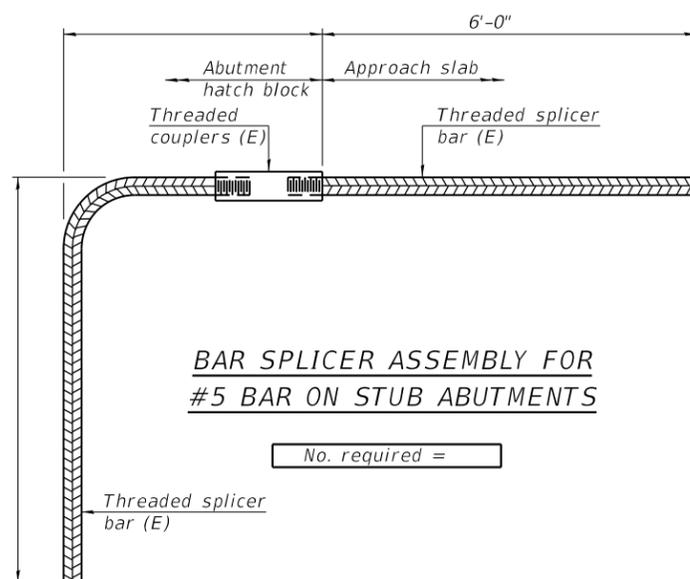
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
 "B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
 (E) : Indicates epoxy coating.



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BSD-1 2-17-2017

DESIGNED - JSB	EXAMINED	DATE - JANUARY 31, 2020
CHECKED - ATH	<i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	REVISOR -
DRAWN - Venkat Reddy	PASSED	REVISOR -
CHECKED - JSB ATH	<i>Carl R. Rieger</i> ENGINEER OF BRIDGES AND STRUCTURES	

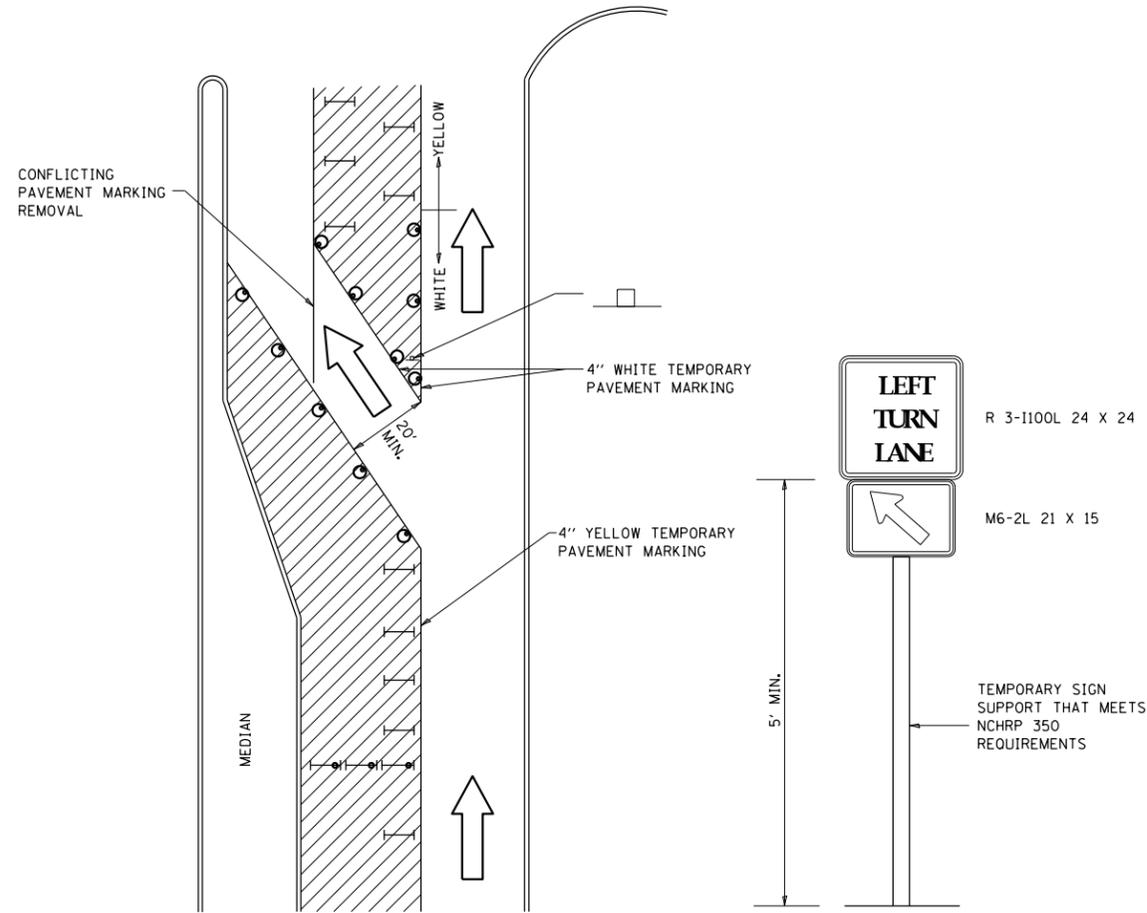
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
SN 101-0073 & 101-0074

SHEET NO. 8 OF 8 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	(6B)BJR	WINNEBAGO	24	16B
CONTRACT NO. 64P64				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)



LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
-  DRUM OR BARRICADE WITH STEADY BURN LIGHT
-  SIGN (SEE DETAIL)
-  TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

REVISED - 10-14-11

GENERAL NOTES

- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 IN HEIGHT.
- STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.
- TEMPORARY PAVEMENT MARKING SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
- THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 X 24 AND M6-2R 21 X 15 SHALL BE USED.
- THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.
- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

Traffic Control and Protection at Turn Bays (To Remain Open to Traffic) 94.2

FILE = S:\PROJECTS\2018\1427D18.DOT\DESIGN\CAD\SHEETS\WO.5-District-Details.dgn



USER NAME = greg	DESIGNED - GBG	REVISED -
PLOT SCALE = 24.0000' / ft.	DRAWN - GBG	REVISED -
PLOT DATE = 12/2/2020	CHECKED - GFS	REVISED -
	DATE - 12/01/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

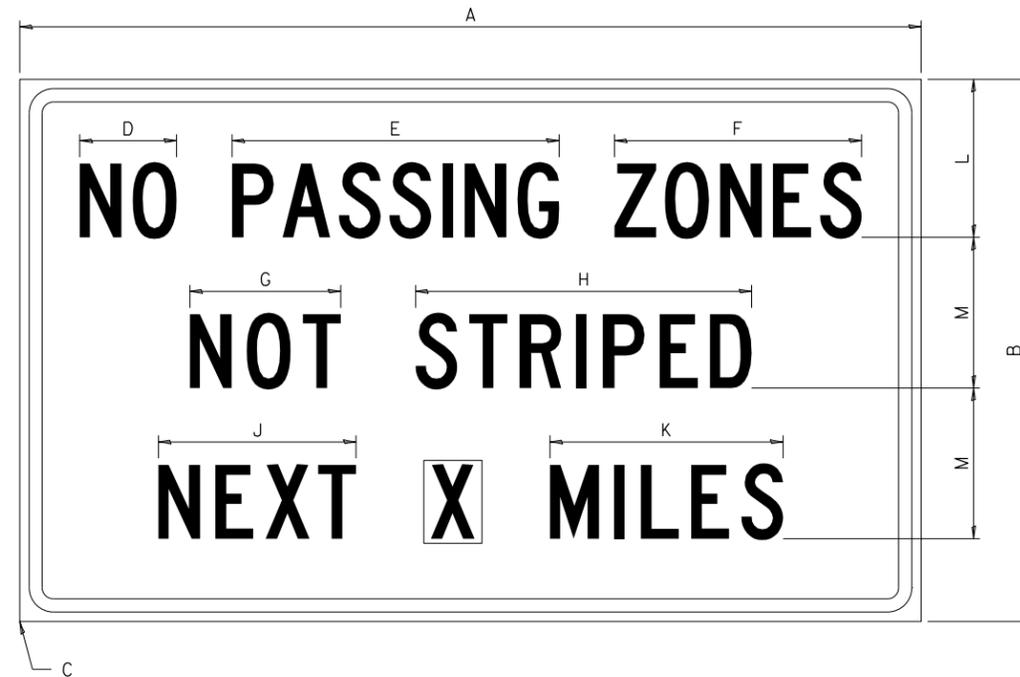
REGION 2 / DISTRICT 2 STANDARD

SCALE N / A SHEET 1 OF 1 SHEETS STA. N / A TO STA. N / A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B1BJR	WINNEBAGO	24	17
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



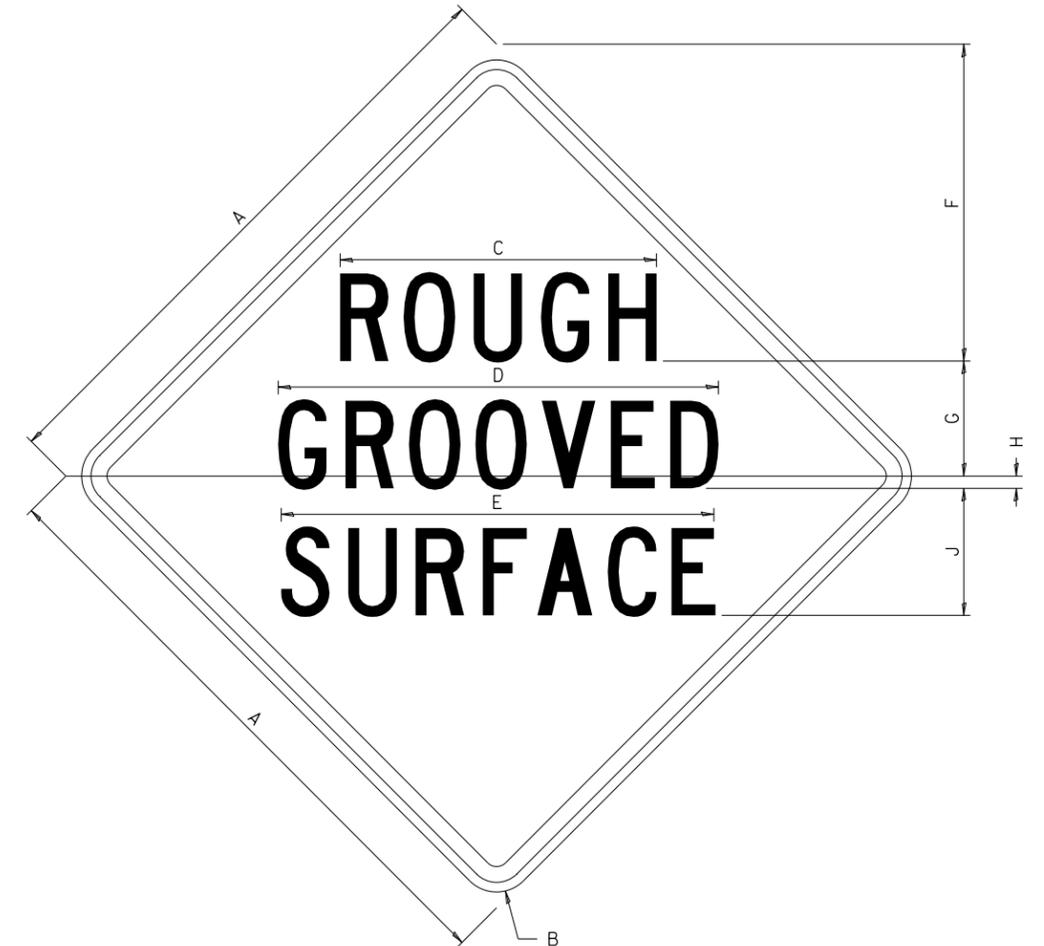
COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B1BJR	WINNEBAGO	24	18
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				

SCALE N / A SHEET 1 OF 4 SHEETS STA. N / A TO STA. N / A

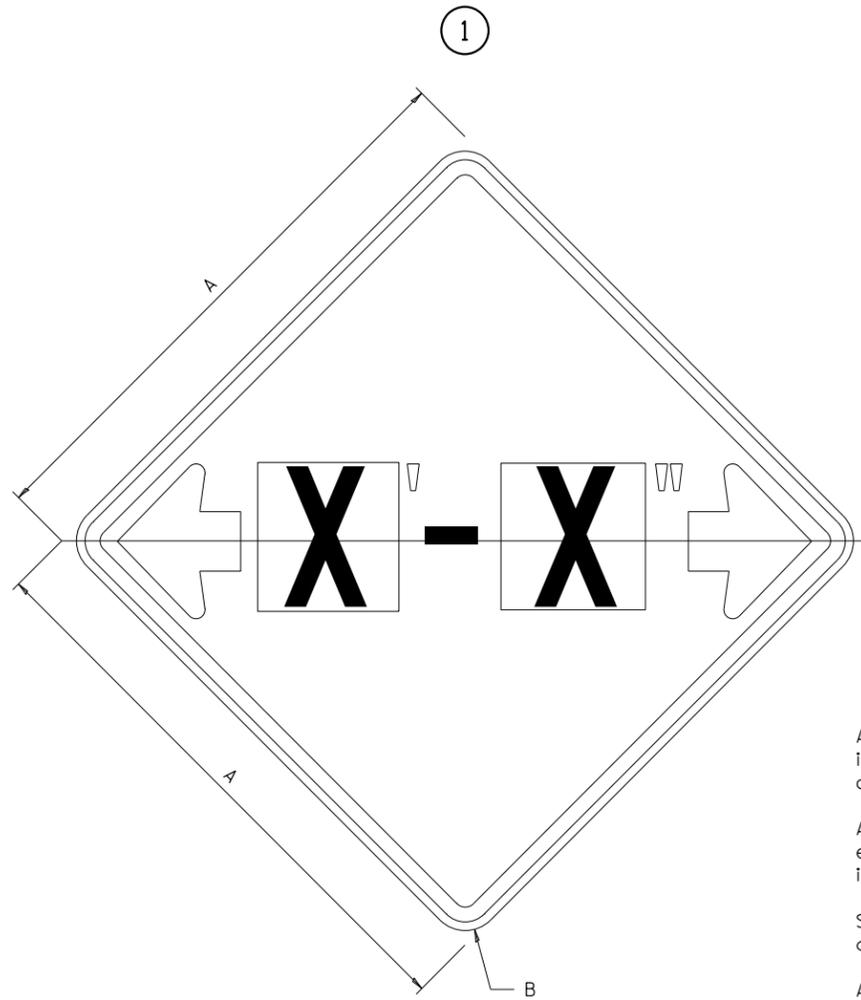
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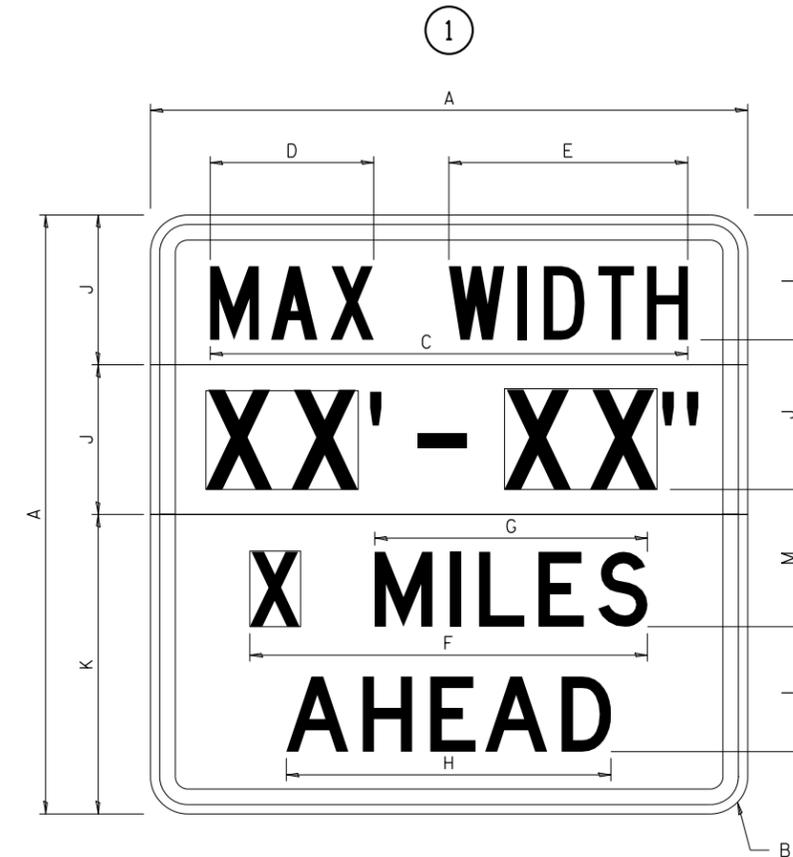
USER NAME = greg	DESIGNED - GBG	REVISED - 3-02-16
DRAWN - GBG	CHECKED - GFS	REVISED -
PLOT SCALE = 24.0000' / ft.	DATE - 12/01/20	REVISED -
PLOT DATE = 12/2/2020		

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.

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

All dimensions are in inches unless otherwise noted.

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

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

COLOR LEGEND AND BORDER BACKGROUND (WIDTH) BLACK WHITE FL ORANGE NON-REFLECTORIZED REFLECTORIZED REFLECTORIZED

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

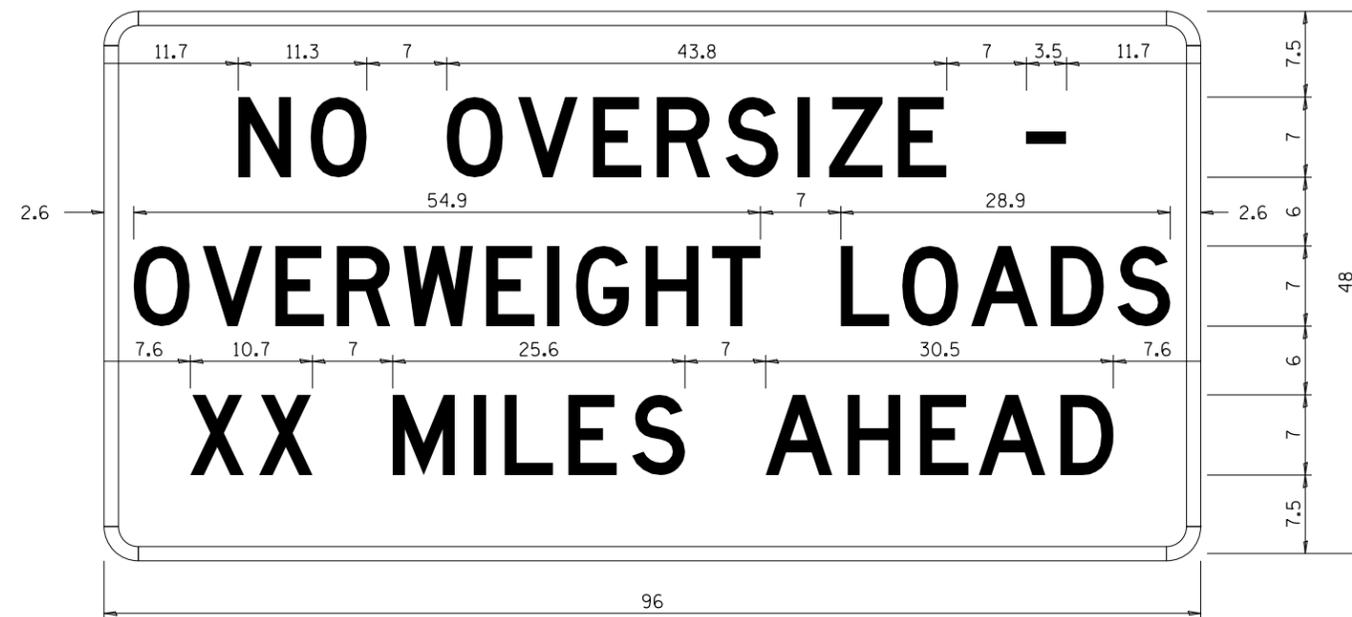
FILE = S:\PROJECTS\2018\1427018.DOT\DESIGN\CAD\SHEETS\W05\1427018-W05-District-Details.dgn

<p>WILLET-HOFMANN ASSOCIATES INC. ENGINEERING ARCHITECTURE LAND SURVEYING 808 EAST 2ND STREET, OROQUO, IL 61021-0367 708-294-3281 DESIGN: FBA 118-100018</p>	USER NAME = greg	DESIGNED - GBG	REVISED - 3-02-16	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE. 525	SECTION 16B/BJR	COUNTY WINNEBAGO	TOTAL SHEETS 24	SHEET NO. 19	
	PLOT SCALE = 24.0000' / ft.	CHECKED - GFS	REVISED -		SCALE N / A	SHEET 2 OF 4 SHEETS	STA. N / A TO STA. N / A	S.N. 101-0073 & 101-0074		CONTRACT NO. 64P64		
	PLOT DATE = 12/2/2020	DATE - 12/01/20	REVISED -		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
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COLOR	LEGEND AND BORDER BACKGROUND	BLACK WHITE	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.

SIGN SIZE	SERIES BY LINE		
	1	2	3
24 x 24	4C	4C	4C

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

Sign not to scale

GENERAL NOTES

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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.

FILE = S:\PROJECTS\2018\1427018.IDOT\DESIGN\CAD\SHEETS\WO.5-1427018-WO.5-District-Details.dgn



USER NAME = greg	DESIGNED - GBG	REVISED - 3-02-16
PLOT SCALE = 24.0000' / ft.	DRAWN - GBG	REVISIONS -
PLOT DATE = 12/2/2020	CHECKED - GFS	REVISIONS -
	DATE - 12/01/20	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

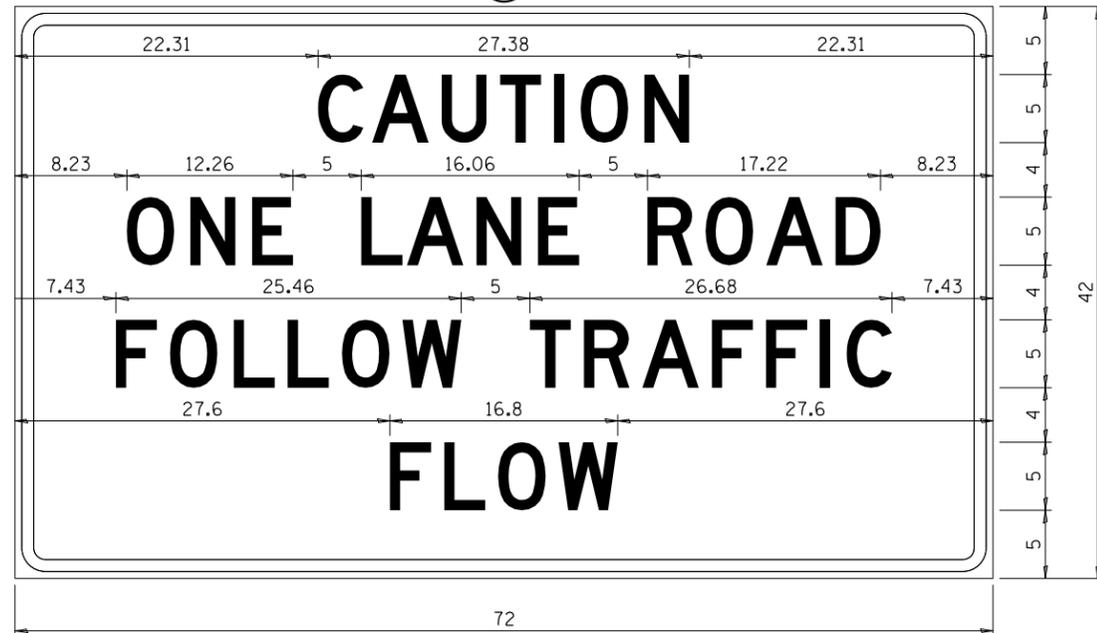
SCALE N / A SHEET 3 OF 4 SHEETS STA. N / A TO STA. N / A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B/BJR	WINNEBAGO	24	20
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				

**ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS**

WORK ZONE SIGN DETAILS

②



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

8.23	O	N	E
3.51	3.36	3.36	3.04
1.17	1.18		

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

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

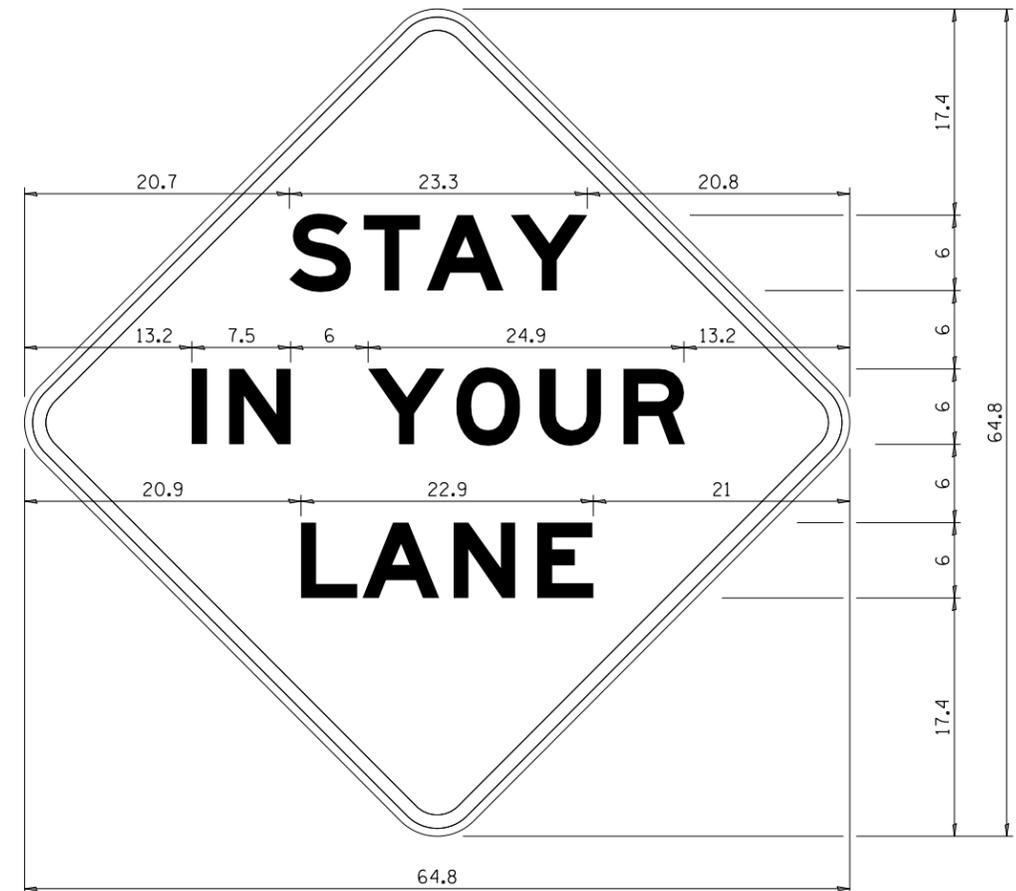
7.43	F	O	L	L	O	W
3.04	3.52	3.04	3.05	3.51	0.94	4.37
0.94	1.17	0.94	0.94	0.94		

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

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

Sign not to scale

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

GENERAL NOTES

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

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FILE = S:\PROJECTS\2018\1427018.IDOT\DESIGN\CAD\SHEETS\W0.5-1427018-W0.5-District-Details.dgn



USER NAME = greg	DESIGNED - GBG	REVISED - 3-02-16
PLOT SCALE = 24.0000' / ft.	DRAWN - GBG	REVISED -
PLOT DATE = 12/2/2020	CHECKED - GFS	REVISED -
	DATE - 12/01/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

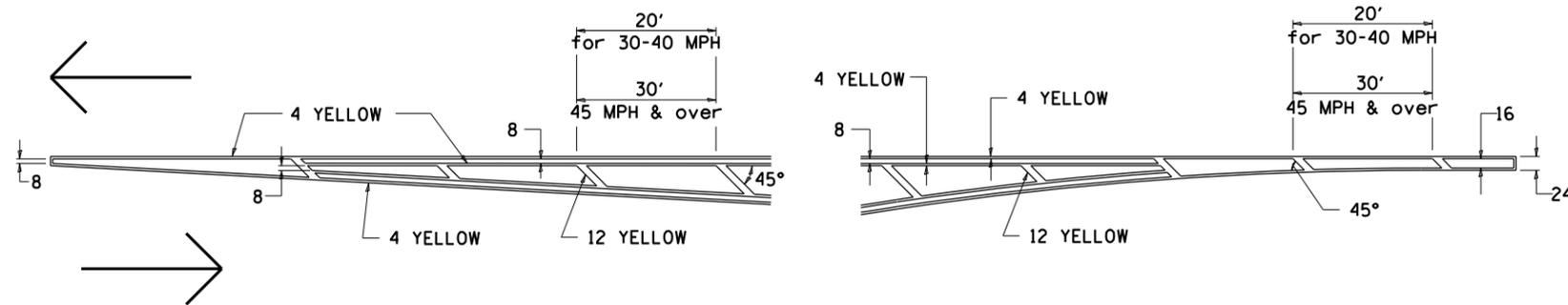
REGION 2 / DISTRICT 2 STANDARD

SCALE N / A SHEET 4 OF 4 SHEETS STA. N / A TO STA. N / A

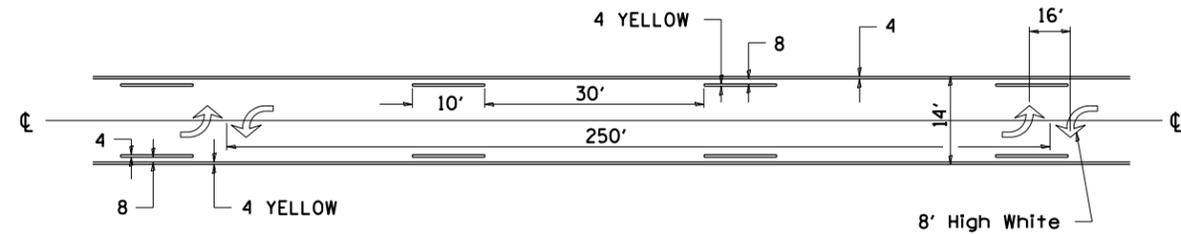
F.A.P. RTE. 525	SECTION 16B1BJR	COUNTY WINNEBAGO	TOTAL SHEETS 24	SHEET NO. 21
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

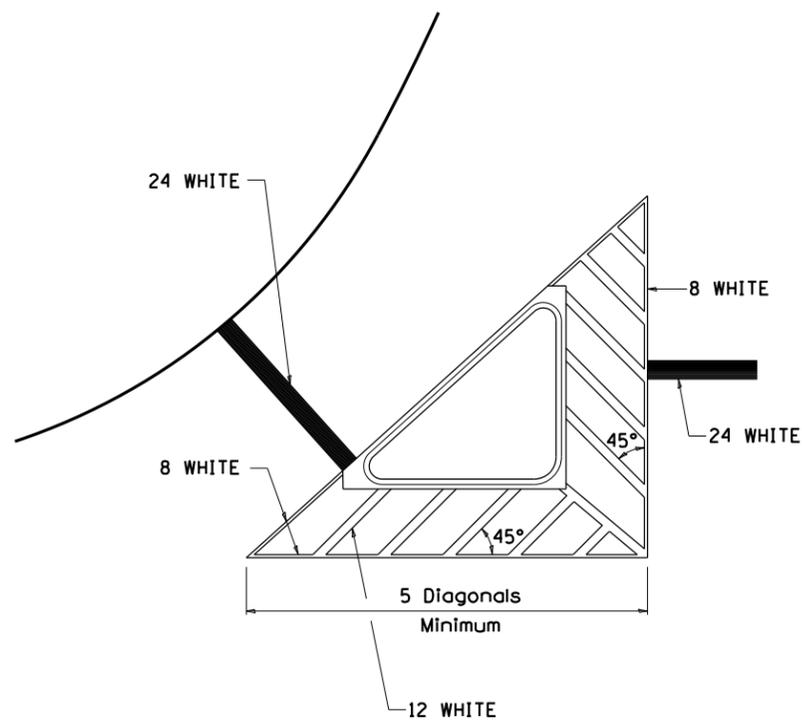


MEDIAN PAVEMENT MARKING



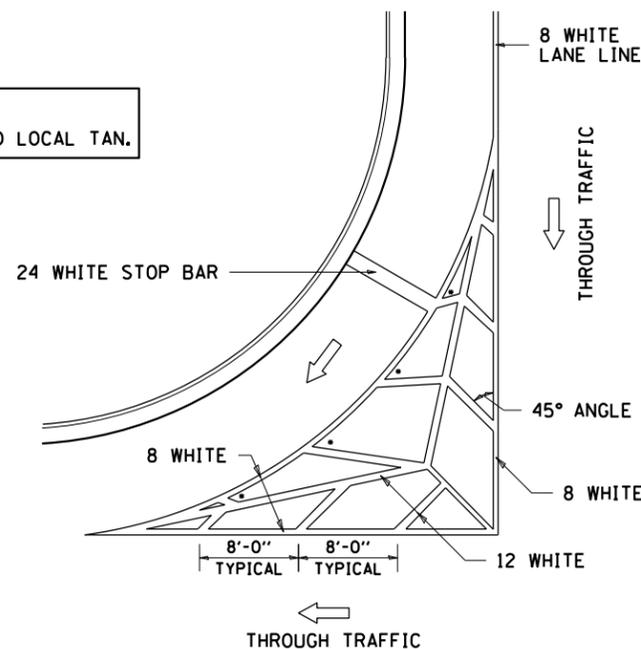
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



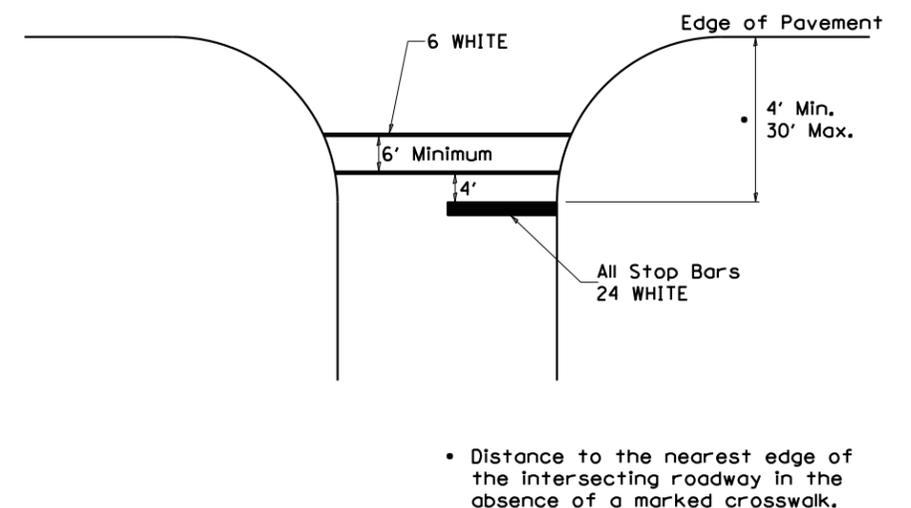
TYPICAL MARKING FOR PAINTED ISLANDS

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.

FILE = S:\PROJECTS\2018\1427018.IDOT\DESIGN\CAD\SHEETS\WO.5\1427018-WO.5-District-Details.dgn



USER NAME = greg	DESIGNED - GBG	REVISED - 6-27-14
	DRAWN - GBG	REVISED - 3-05-12
PLOT SCALE = 24.0000' / ft.	CHECKED - GFS	REVISED -
PLOT DATE = 12/2/2020	DATE - 12/01/20	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

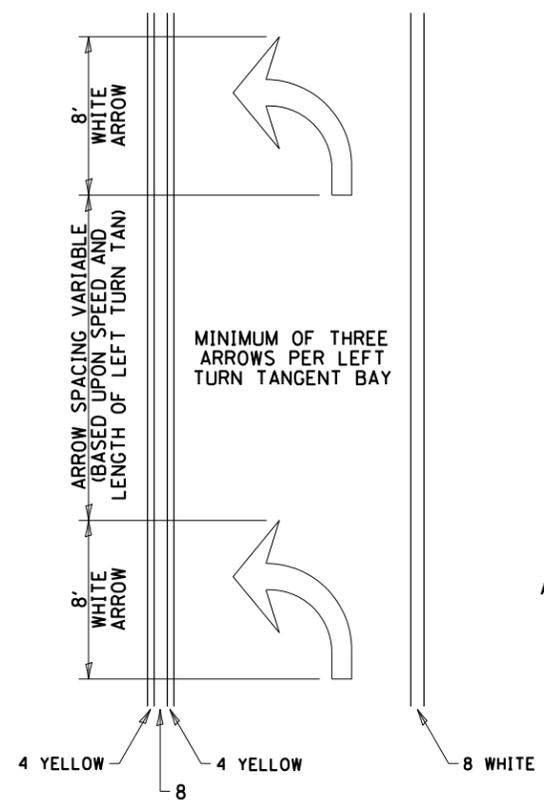
REGION 2 / DISTRICT 2 STANDARD

SCALE N / A SHEET 1 OF 3 SHEETS STA. N / A TO STA. N / A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B1BJR	WINNEBAGO	24	22
S.N. 101-0073 & 101-0074		CONTRACT NO. 64P64		
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

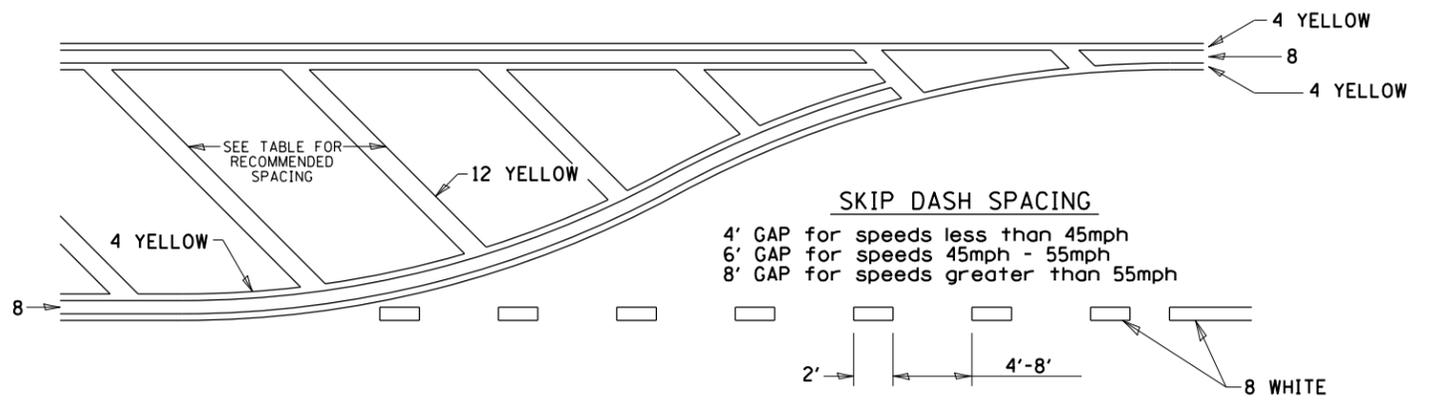
ARROW LAYOUT



- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◇ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

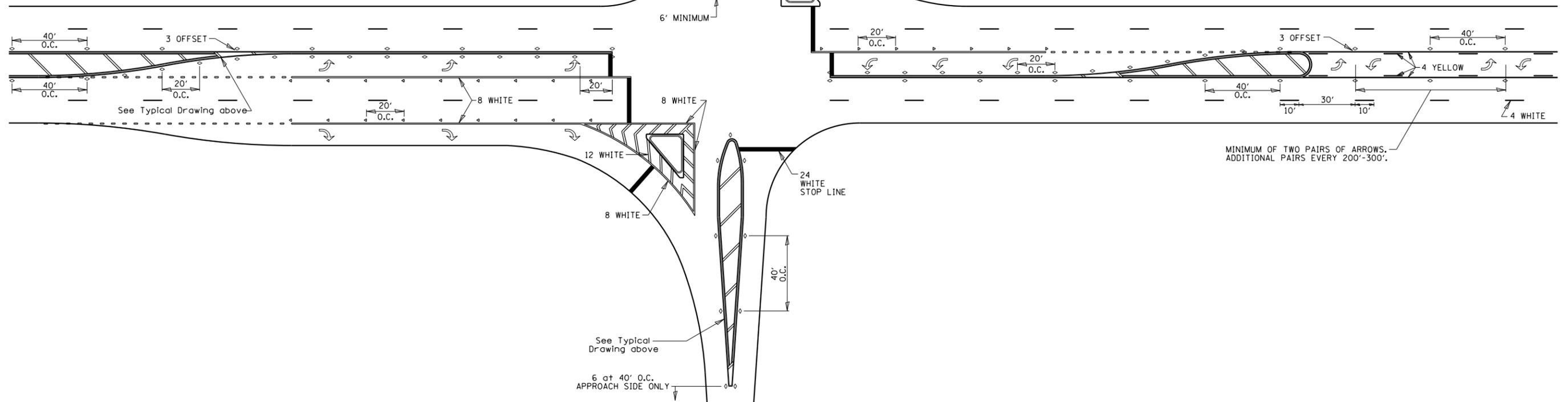
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



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.



FILE = S:\PROJECTS\2018\1427018.DISTRICT\DESIGN\CAD\SHEETS\WO.5-1427018-WO.5-District-Details.dgn



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PLOT DATE = 12/2/2020	DATE - 12/01/20	REVISED -

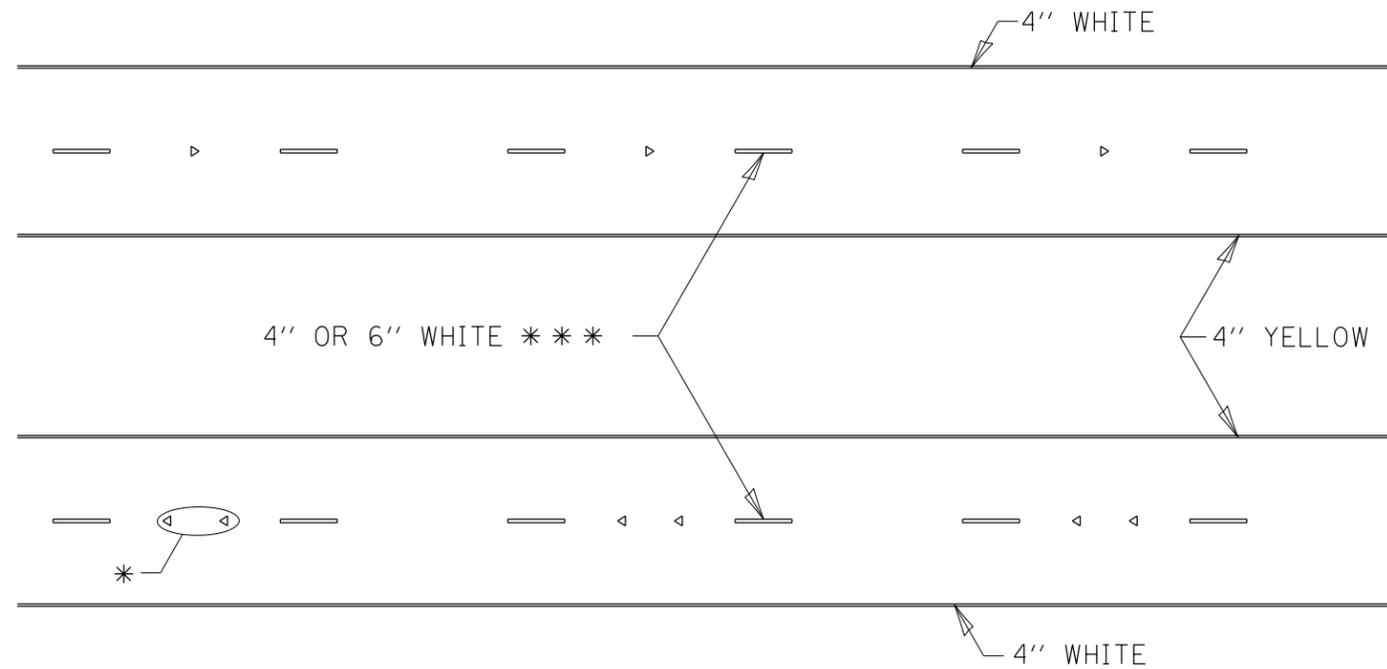
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE N / A SHEET 2 OF 3 SHEETS STA. N / A TO STA. N / A

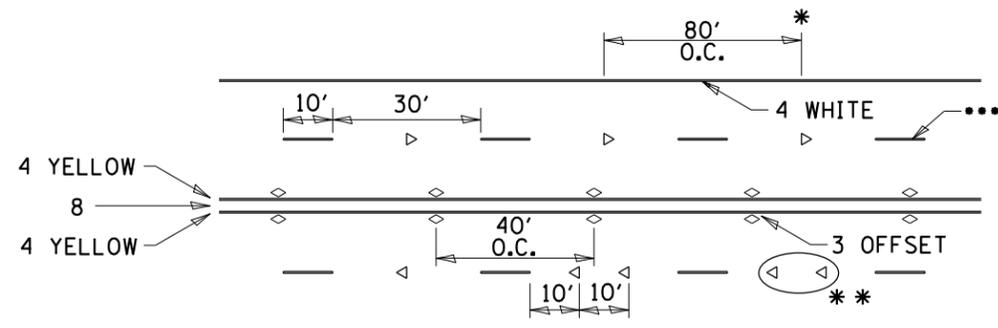
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B1BJR	WINNEBAGO	24	23
S.N. 101-0073 & 101-0074		CONTRACT NO. 64P64		
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS



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

MULTI-LANE / DIVIDED



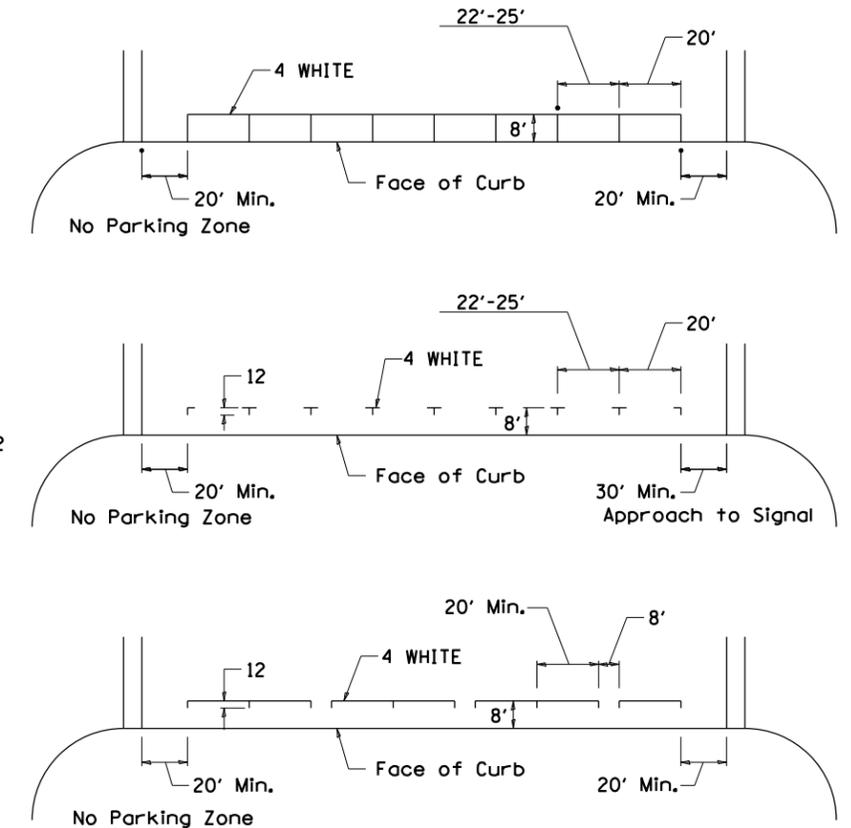
- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT ≥ 20,000
- CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

MULTI-LANE / UNDIVIDED & ONE WAY

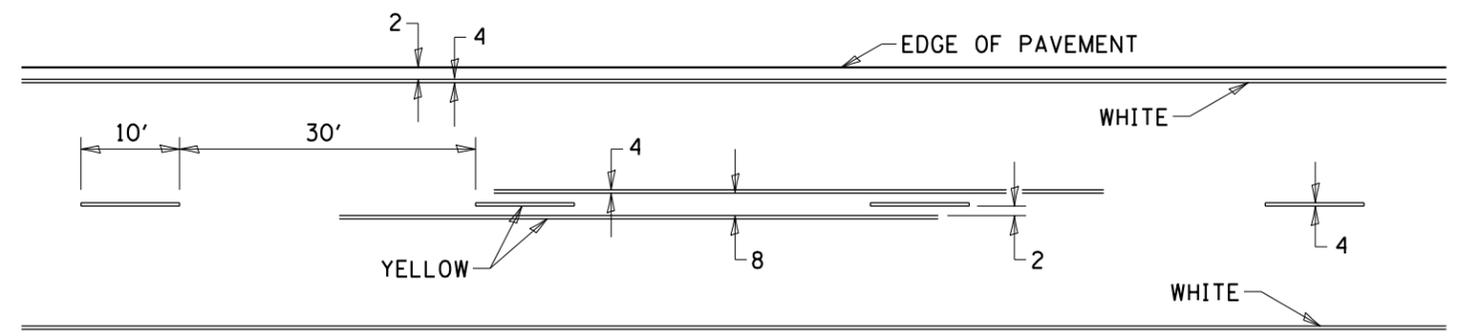
(FOR MULTI-LANE UNDIVIDED HIGHWAYS USE THIS
DETAIL NOT HIGHWAY STANDARD 781001)

SYMBOLS

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



FILE = S:\PROJECTS\2018\1427018.IDOT\DESIGN\CAD\SHEETS\WO 5\1427018-WO.5-District-Details.dgn



USER NAME = greg
DESIGNED - GBG
DRAWN - GBG
PLOT SCALE = 24.0000' / ft.
PLOT DATE = 12/2/2020

DESIGNED - GBG
DRAWN - GBG
CHECKED - GFS
DATE - 12/01/20

REVISED - 6-27-14
REVISED - 8-27-13
REVISED - 11-28-12
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE N / A SHEET 3 OF 3 SHEETS STA. N / A TO STA. N / A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
525	16B1BJR	WINNEBAGO	24	24
S.N. 101-0073 & 101-0074			CONTRACT NO. 64P64	
ILLINOIS FED. AID PROJECT				