

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(111 VBR)BDR	LEE	39	1
		ILLINOIS	CONTRACT NO. 64R54	

INDEX OF SHEETS

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- 9 REMOVAL PLANS
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- DISTRICT 2 DETAILS
- 33-36 WORK ZONE SIGN DETAILS (34.1)
- 37-39 TYPICAL PAVEMENT MARKINGS (41.1)

HIGHWAY STANDARDS

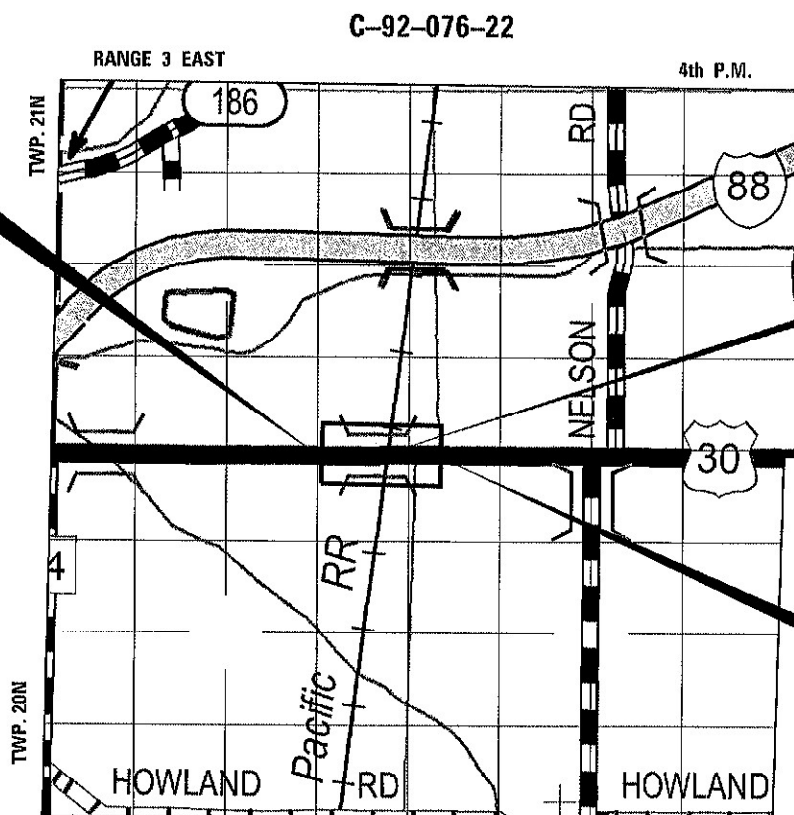
- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701321-18 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
- 701901-08 TRAFFIC CONTROL DEVICES
- 704001-08 TEMPORARY CONCRETE BARRIER
- 720011-01 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 729001-01 APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 782006-01 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 573 (US 30)
SECTION (111 VBR)BDR
PROJECT HBFP-E12T(712)
BRIDGE REPAIR OF STRUCTURE
CARRYING US 30 OVER
UP RR
LEE COUNTY

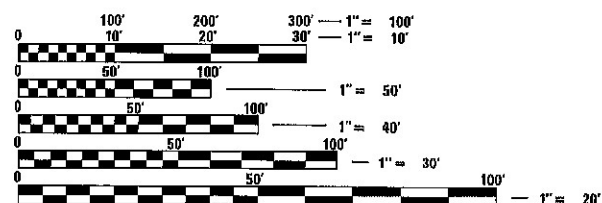


IMPROVEMENTS BEGINS
Sta. 1442 + 27.30
SECTION BEGINS
Sta. 1445 + 43.25



BRIDGE REPAIRS
EXIST SN 052-0031

IMPROVEMENTS ENDS
Sta. 1450 + 76.50
SECTION ENDS
Sta. 1447 + 52.75



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 EXCAVATORS
1-800-892-0123
OR 811

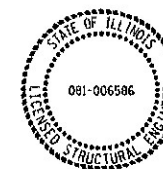
GROSS LENGTH = 847.74 FT. = 0.16 MILES
NET LENGTH = 209.50 FT. = 0.039 MILE

PROJECT ENGINEER ERIC J. LINDEMANN, P.E.
PROJECT MANAGER MAHMOUD ETEMADI, P.E.

CONTRACT NO. 64R54



October 12, 2022
Eric J. Lindemann
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-051170
EXPIRATION DATE 11-30-2023
SHEETS 1-12, 32-39



10/11/2022
JIA WANG
LICENSED STRUCTURAL ENGINEER
STATE OF ILLINOIS LIC. No. 081-006586
EXPIRES: 11-30-22
SHEETS 13-31

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
SUBMITTED October 12, 2022
Regional Engineer
December 9, 2022
Engineer of Design and Environment
December 9, 2022
Director of Highways Project Implementation

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GENERAL NOTES

- TO HELP AVOID EXCESS DROP OFFS AT THE EDGE OF PAVEMENT, AGGREGATE SHOULDER MATERIAL OF THE TYPE SPECIFIED IN HE PLANS SHALL BE PLACED PRIOR TO ANY BITUMINOUS MATERIAL. THE AGGREGATE MATERIAL SHALL BE PLACED FLUSH WITH THE EXISTING PAVEMENT OR AT THE ELEVATION OF ANY PROPOSED MILLING. AT NO TIME SHALL THE EDGE OF THE AGGREGATE MATERIAL BE HIGHER THAN THE EXISTING EDGE OF PAVEMENT. THIS WORK SHALL BE PAID FOR BY THE TON FOR AGGREGATE SHOULDERS OF THE TYPE SPECIFIED.
- THE STRUCTURE WILL RETAIN THE SAME NUMBER, SN 052-0031.
- PAVEMENT MARKING 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 MARKING ON MULTI-LANE DIVIDED, MULTI-LANE UNDIVIDED, AND ONE-WAY ROADWAY SHALL BE ACCORDING TO DISTRICT STANDARD 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 ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123.
- 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.
- ALL PERMANENT CLEARANCES SHALL BE VERIFIED BEFORE PROJECT CLOSING.
- THE CONTRACTOR MUST SUBMIT A PROPOSED METHOD OF EROSION AND SEDIMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD.
- REGARDLESS OF UNDERLYING LAND OWNERSHIP, ALL SHORING SYSTEMS WITHIN RAILROAD RIGHT-OF-WAY OR THAT MAY IMPACT THE RAILROAD'S OPERATIONS AND/OR SUPPORTS THE RAILROAD'S EMBANKMENT SHALL BE DESIGNED AND CONSTRUCTED PER CURRENT RAILROAD GUIDELINES FOR TEMPORARY SHORING.
- THE CONTRACTOR SUBMIT AND PROVIDE SUFFICIENT SAFETY MEASURES TO PROTECT UNATTENDED EXCAVATIONS TO THE RAILROAD FOR APPROVAL.
- ALL DEMOLITIONS/REMOVALS WITHIN THE RAILROAD'S RIGHT-OF-WAY AND/OR THAT MAY IMPACT THE RAILROAD'S TRACKS OR OPERATIONS SHALL BE IN COMPLIANCE WITH THE CURRENT RAILROAD'S DEMOLITION GUIDELINES.
- RAILROAD REQUIREMENTS DO NOT ALLOW WORK WITHIN 50 FEET OF TRACK CENTERLINE WHEN A TRAIN PASSES THE WORK SITE AND ALL PERSONNEL MUST CLEAR THE AREA WITHIN 25 FEET OF THE TRACK CENTERLINE AND SECURE ALL EQUIPMENT.

- CALL BEFORE YOU DIG. PRIOR TO EXCAVATION, DISTRUPTING, OR WORKING ON THE RAILROAD PROPERTY THE CONTRACTOR SHALL LOCATE AND PROTECT UPRR FACILITIES BY CALLING THE UPRR "CALL BEFORE YOU DIG" (CBYD) PHONE NUMBER: 1-800-336-9193.
- CONSTRUCTION ACTIVITIES, INCLUDING FALSEWORK/FORMWORK, ARE NOT ALLOWED WITHIN THE "MINIMUM CONSTRUCTION CLEARANCE ENVELOPE" AS THEY WOULD OTHERWISE DISRUPT RAILROAD OPERATIONS.
- A TOPOGRAPHIC SURVEY WAS NOT CONDUCTED FOR EXISTING FACILITIES AND PROPOSED DESIGN WORK SHOWN IN THE PLANS. ALIGNMENTS, DIMENSIONS, AND ELEVATIONS SHOWN ARE BASED ON EXISTING RECORD DRAWINGS. THE CONTRACTOR WILL VERIFY EXISTING DIMENSIONS IN THE FIELD PRIOR TO THE REMOVAL OF EXISTING BRIDGE AND ROAD ITEMS.

GENERAL NOTES - MAINTENANCE OF TRAFFIC

- MAINTENANCE OF TRAFFIC SHALL UTILIZE STANDARDS AS NOTED IN THE INDEX OF HIGHWAY STANDARDS ON THE COVER SHEET AND AS DETAILED IN THESE PLANS.
- A WIDTH RESTRICTION OF 12'-6" SHALL BE INSTALLED AT THE FOLLOWING LOCATIONS AND THE DISTANCE FROM THE CROSSROADS AS NOTED; ALL LEGS OF THE US 30 AND I-88 INTERCHANGE FOR EASTBOUND US 30 (1 MILE AHEAD). FOR WESTBOUND US 30 THE SIGNS SHALL BE PLACED PRIOR TO THE INTERSECTION OF IL 26 AND US 30 ALONG BOTH LEGS OF IL 26 AND THE EAST LEG OF US 30 (8 MILES AHEAD) AND ANOTHER PRIOR TO HARMON ROAD (3 MILES AHEAD).
- TEMPORARY PAVEMENT MARKINGS SHALL BE TAPE, TYPE IV PER IDOT STANDARD 70307120 EXCEPT ON FINAL SURFACES. ON FINAL WEARING SURFACES TEMPORARY PAVEMENT MARKINGS SHALL BE TAPE, TYPE III.
- EXISTING INLETS SHALL BE COVERED WITH A SUITABLE THICKNESS STEEL PLATE IN A MANNER APPROVED BY THE ENGINEER. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED TRAFFIC CONTROL ITEMS.

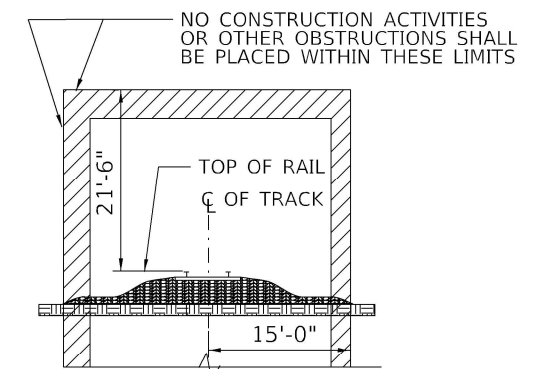
GENERAL NOTES - RAILROAD MAINTENANCE NOTES

- ALL PERMANENT CLEARANCES SHALL BE VERIFIED BEFORE PROJECT CLOSING.
- THE CONTRACTOR MUST SUBMIT A PROPOSED METHOD OF EROSION AND SEDIMENT CONTROL AND HAVE THE METHOD APPROVED BY THE RAILROAD.
- REGARDLESS OF UNDERLYING LAND OWNERSHIP, ALL SHORING SYSTEMS WITHIN RAILROAD RIGHT-OF-WAY OR THAT MAY IMPACT THE RAILROAD'S OPERATIONS AND/OR SUPPORTS OF THE RAILROAD'S EMBANKMENT SHALL BE DESIGNED AND CONSTRUCTED PER CURRENT RAILROAD GUIDLINES FOR TEMPORARY SHORING.
- THE CONTRACTOR SHALL SUBMIT AND PROVIDE SUFFICIENT SAFETY MEASURES TO PROTECT UNATTENDED EXCAVATIONS TO THE RAILROAD FOR APPROVAL.
- ALL DEMOLITIONS/REMOVALS WITHIN THE RAILROAD'S RIGHT-OF-WAY AND/OR THAT MAY IMPACT THE RAILROAD'S TRACKS OR OPERATIONS SHALL BE IN COMPLIANCE WITH THE CURRENT RAILROAD'S DEMOLITION GUIDELINES.
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- CONSTRUCTION ACTIVITIES, INCLUDING FALSEWORK/FORMWORK, ARE NOT ALLOWED WITHIN THE "MINIMUM CONSTRUCTION CLEARANCE ENVELOPE" AS THEY WOULD OTHERWISE DISRUPT RAILROAD OPERATIONS.

NOTICE: ALL CONSTRUCTION SUBMITTALS SHALL BE REVIEWED AND APPROVED BY THE AGENCY PRIOR TO THE SUBMITTING TO THE RAILROAD FOR REVIEW AND APPROVAL. REVIEW TIMES FOR CONSTRUCTION SUBMITTALS ARE DETAILED IN TABLE 3-1 OF THE CURRENT UPRR GUIDELINES OF RAILROAD GRADE SEPARATION PROJECTS.

**GN-406H
HMA MIXTURE REQUIREMENT TABLE**

LOCATION(S):	SURFACE	SHOULDER	TEMPORARY RAMP
MIXTURE USE(S):	SURFACE	BINDER	BASE COURSE OPTION (HMA SHOULDER)
BINDER GRADE (AC/PG):	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndes=70	4.0% @ Ndes=70	4.0% @ Ndes=50
MIXTURE COMPOSITION: (MIXTURE GRADATION)	IL-9.5	IL-19.0	IL-19.0
FRICTION AGGREGATE:	MIXTURE "D"	N/A	N/A
MIXTURE WEIGHT:	112 LB/SQ YD/IN	112 LB/SQ YD/IN	112 LB/SQ YD/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A



**MINIMUM CONSTRUCTION CLEARANCE ENVELOPE
(NORMAL TO RAILROAD)**

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DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES
US 30 OVER UPRR**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	2
CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				

Long Section Number

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% Federal	20% State
				BRIDGE	ROADWAY
				0047	0004
				SN 052-0031	URBAN
31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	42	0	42
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	144	0	144
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	160	0	160
40600990	TEMPORARY RAMP	SQ YD	27	0	27
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	27	0	27
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	113	0	113
50102400	CONCRETE REMOVAL	CU YD	11.2	11.2	0
50157300	PROTECTIVE SHIELD	SQ YD	218	218	0
50300255	CONCRETE SUPERSTRUCTURE	CU YD	12.6	12.6	0
50300300	PROTECTIVE COAT	SQ YD	843	843	0
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	2,490	2,490	0
50606702	CLEANING AND PAINTING STRUCTURAL STEEL, LOCATION 2	L SUM	1	1	0
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,970	1,970	0

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 DATE: 10/12/2022



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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
US 30 OVER UPRR**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	3
			CONTRACT NO. 64R54	
Long Section Number		ILLINOIS FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% Federal	20% State
				BRIDGE	ROADWAY
				0047	0004
SN 052-0031	URBAN				
50800515	BAR SPLICERS	EACH	28	28	0
52000110	PREFORMED JOINT STRIP SEAL	FOOT	76	76	0
59000200	EPOXY CRACK INJECTION	FOOT	32	32	0
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	4	0	4
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3	0	3
67100100	MOBILIZATION	L SUM	1	0	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	0	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	0	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1	0
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	30	0	30
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,157	0	1,157
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	3,397	0	3,397
70307210	TEMPORARY PAVEMENT MARKING - LINE 24" - TYPE IV TAPE	FOOT	24	0	24
70400100	TEMPORARY CONCRETE BARRIER	FOOT	507	0	507

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES US 30 OVER UPRR			
SCALE:	SHEET 2	OF 4	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	4
			CONTRACT NO. 64R54	
		ILLINOIS	FED. AID PROJECT	

Long Section Number

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% Federal	20% State
				BRIDGE	ROADWAY
				0047	0004
				SN 052-0031	URBAN
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	482	0	482
70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	0	2
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2	0	2
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	6,794	0	6,794
X0326649	LINEAR DELINEATOR PANELS, 6 INCH	EACH	29	0	29
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	559	559	0
X5060602	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO 2	L SUM	1	1	0
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,133	0	1,133
X4820110	HOT-MIX ASPHALT SHOULDER REMOVAL AND REPLACEMENT (SPECIAL)	SQ YD	755	0	755
Z0001903	STRUCTURAL STEEL REMOVAL	POUND	2,270	2,270	0
Z0001905	STRUCTURAL STEEL REPAIR	POUND	2,270	2,270	
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	814	814	0
Z0012164	BRIDGE DECK MICROSILICA CONCRETE OVERLAY 2 1/2"	SQ YD	814	814	0
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	50	50	0
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	2	0	2

*= SPECIALTY ITEM

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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES US 30 OVER UPRR			
SCALE:	SHEET 3	OF 4	SHEETS
STA.		TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	5
			CONTRACT NO. 64R54	
ILINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	
				80% Federal	20% State
				BRIDGE	ROADWAY
				0047	0004
	SN 052-0031	URBAN			
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	745	745	0
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	0

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11/27/2016
11/27/2016
10-088265

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES
US 30 OVER UPRR**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	6
			CONTRACT NO. 64R54	
		ILLINOIS FED. AID PROJECT		

Long Section Number

MAINTENANCE OF TRAFFIC SCHEDULE

LOCATION	70307120	70307210	70400100	70400200	70600250	70600350	70300150
	TEMPORARY PAVEMENT MARKING-LINE 4"	TEMPORARY PAVEMENT MARKING-LINE 24"	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	TEMPORARY PAVEMENT MARKING REMOVAL
	(FOOT)	(FOOT)	(FOOT)	(FOOT)	(EACH)	(EACH)	(SQ FT)
US 30 - STAGE 1							
STATION TO STATION							
1442+00 TO 1443+00	72.7	12					24.2
1443+00 TO 1444+00	200						66.6
1444+00 TO 1445+00	200		28.7		1		66.6
1445+00 TO 1446+00	200		100				66.6
1446+00 TO 1447+00	200		100				66.6
1447+00 TO 1448+00	200		100				66.6
1448+00 TO 1449+00	200		31.3		1		66.6
1449+00 TO 1450+00	200						66.6
1450+00 TO 1451+00	76.5	12					25.5
US 30 - STAGE 2							
STATION TO STATION							
1442+00 TO 1443+00	72.7						24.2
1443+00 TO 1444+00	200						66.6
1444+00 TO 1445+00	200			28.7	1		66.6
1445+00 TO 1446+00	200			100			66.6
1446+00 TO 1447+00	200			100			66.6
1447+00 TO 1448+00	200			100			66.6
1448+00 TO 1449+00	200			31.3	1		66.6
1449+00 TO 1450+00	200						66.6
1450+00 TO 1451+00	76.5						25.5
TOTAL	3098.4	24	360	360	2	2	1032
ADJUSTED TOTAL	3099	24	360	360	2	2	1032

PAVEMENT MARKING SCHEDULE

LOCATION	78001110	X0327980
	PAINT PAVEMENT MARKING - LINE 4"	PAVEMENT MARKING REMOVAL - WATER BLASTING
	(FOOT)	(SQ FT)
US 30		
STATION TO STATION		
1442+00 TO 1443+00	581.6	97.0
1443+00 TO 1444+00	800	133.4
1444+00 TO 1445+00	800	133.4
1445+00 TO 1446+00	800	133.4
1446+00 TO 1447+00	800	133.4
1447+00 TO 1448+00	800	133.4
1448+00 TO 1449+00	800	133.4
1449+00 TO 1450+00	800	133.4
1450+00 TO 1451+00	603.2	100.6
TOTAL	6784.8	1131.0
ADJUSTED TOTAL	6785	1131

NOTE: PAINT PAVEMENT MARKING - LINE 4" QUANTITY IS FOR TWO APPLICATION

DRAINAGE SCHEDULE

28000510 INLET FILTERS

EACH	LOCATION		NOTES
	STATION	OFFSET	
1	1447+36.26	15.0' LT.	
1	1447+36.60	15.0' RT.	
2	TOTAL		

X6026200 INLETS TO BE ADJUSTED (SPECIAL)

EACH	LOCATION		NOTES
	STATION	OFFSET	
1	1447+36.26	15.0' LT.	SEE SPECIAL PROVISIONS
1	1447+36.60	15.0' RT.	SEE SPECIAL PROVISIONS
2	TOTAL		

Z0018500 DRAINAGE STRUCTURES TO BE CLEANED

EACH	LOCATION		NOTES
	STATION	OFFSET	
1	1447+36.26	15.0' LT.	SEE SPECIAL PROVISIONS
1	1447+36.60	15.0' RT.	SEE SPECIAL PROVISIONS
2	TOTAL		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES
US 30 OVER UPRR**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	7
CONTRACT NO. 64R54				

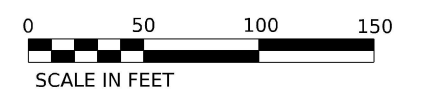
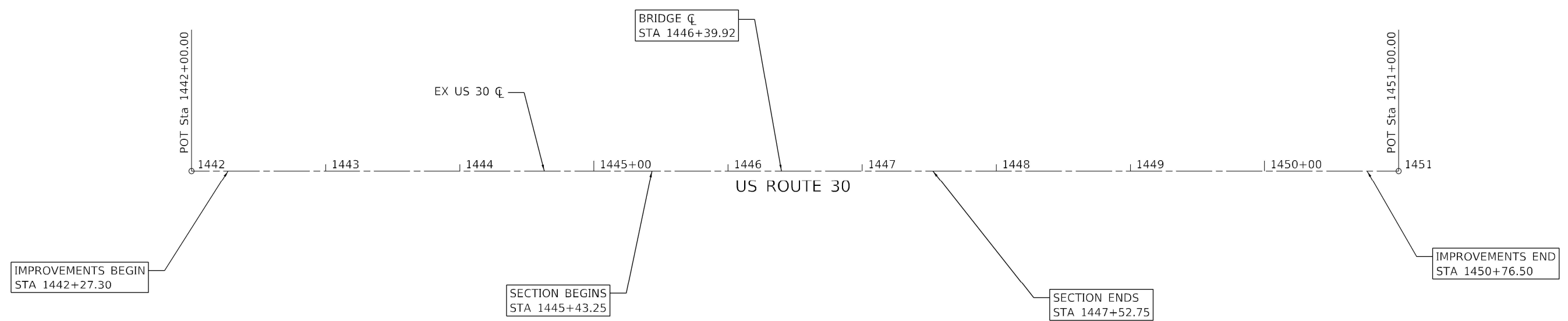
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Long Section Number

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Kaskaskia
Engineering Group, LLC
Professional Engineering Group

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PLOT DATE = 10/12/2022	CHECKED -	REVISED -
	DATE -	REVISED -



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Kaskaskia
 Engineering Group, LLC
Professional Engineering Firm
 1427 N. 1st St.
 Moline, IL 61704
 (309) 241-1111

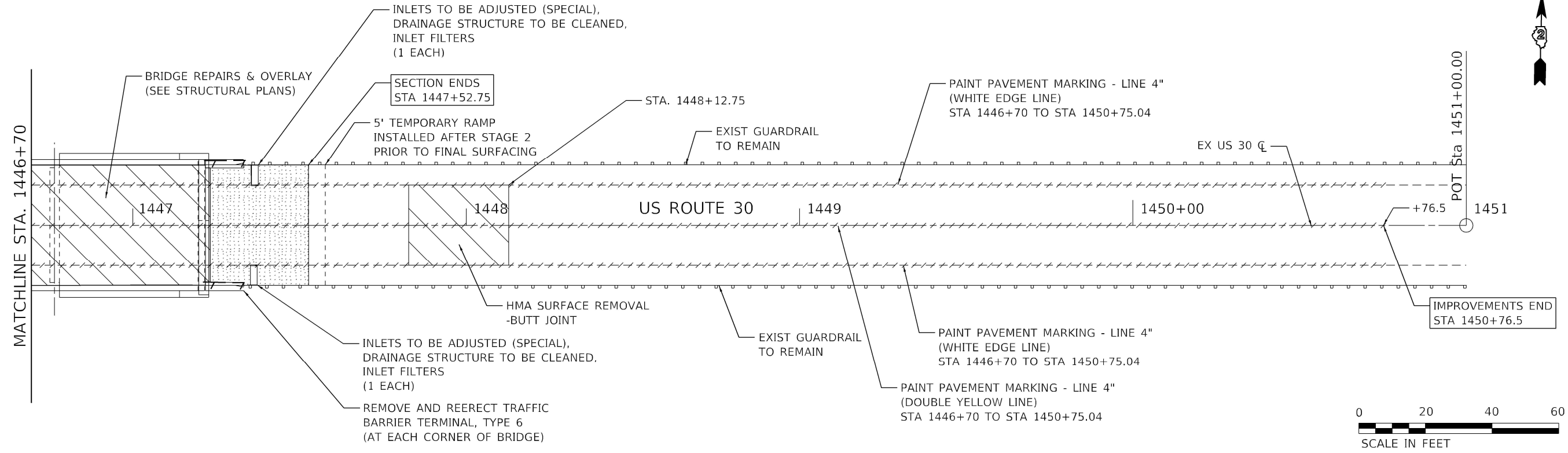
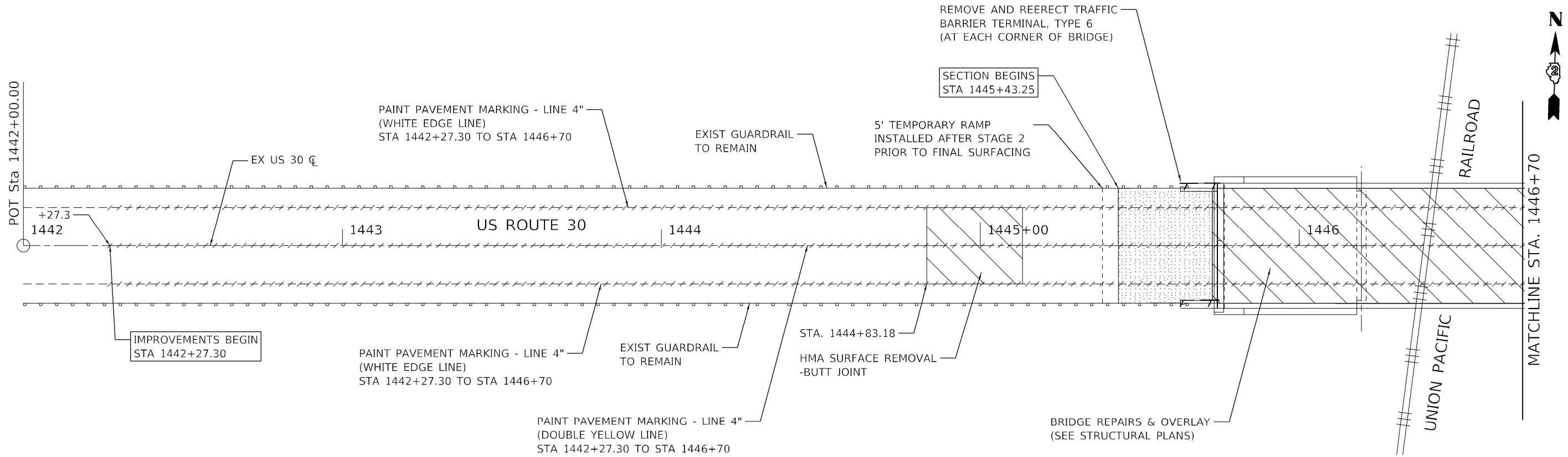
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT LAYOUT PLAN
US 30 OVER UPRR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	8
CONTRACT NO. 64R54				

Long Section Number



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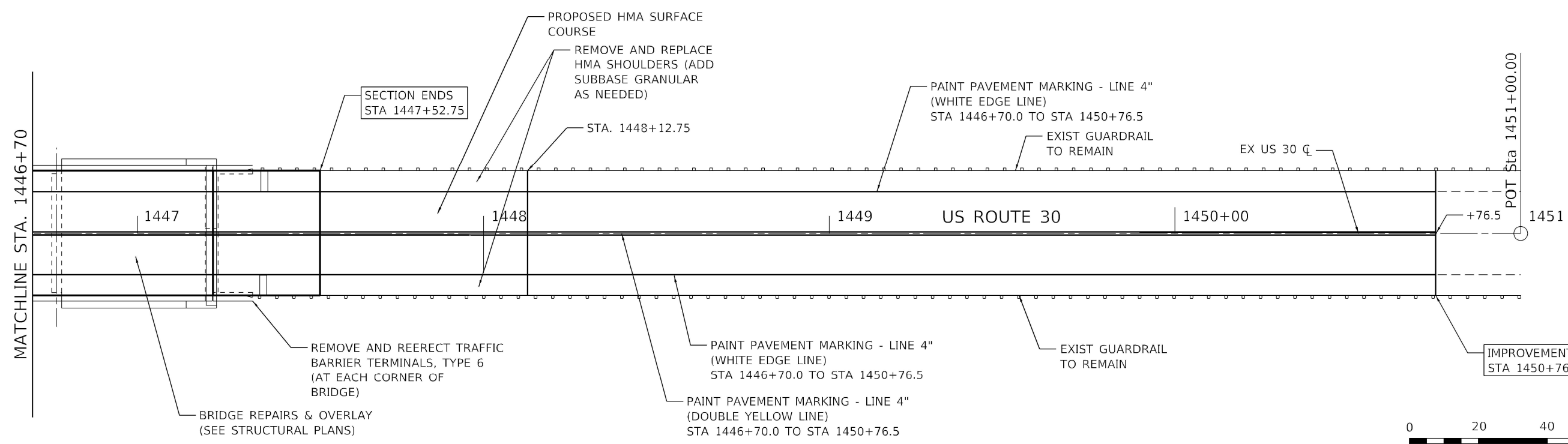
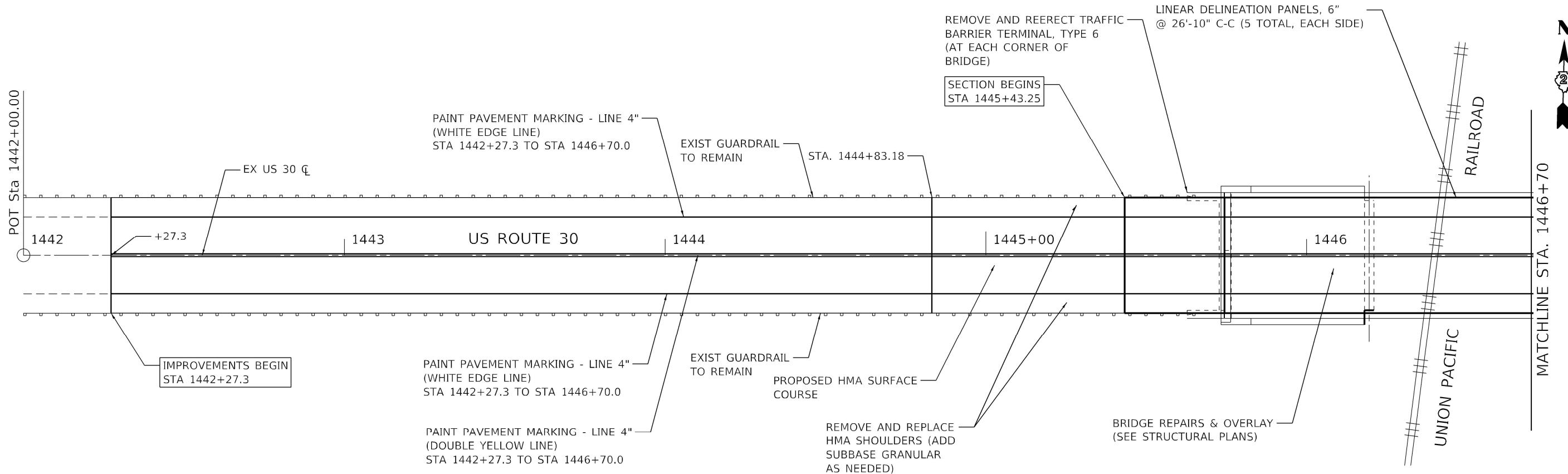


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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS US 30 OVER UPRR			
SCALE: 1"=20'	SHEET	OF	SHEETS
STA.	TO STA.		

F.A. RTE. 573	SECTION (111-VBR)BDR	COUNTY LEE	TOTAL SHEETS 39	SHEET NO. 9
CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				



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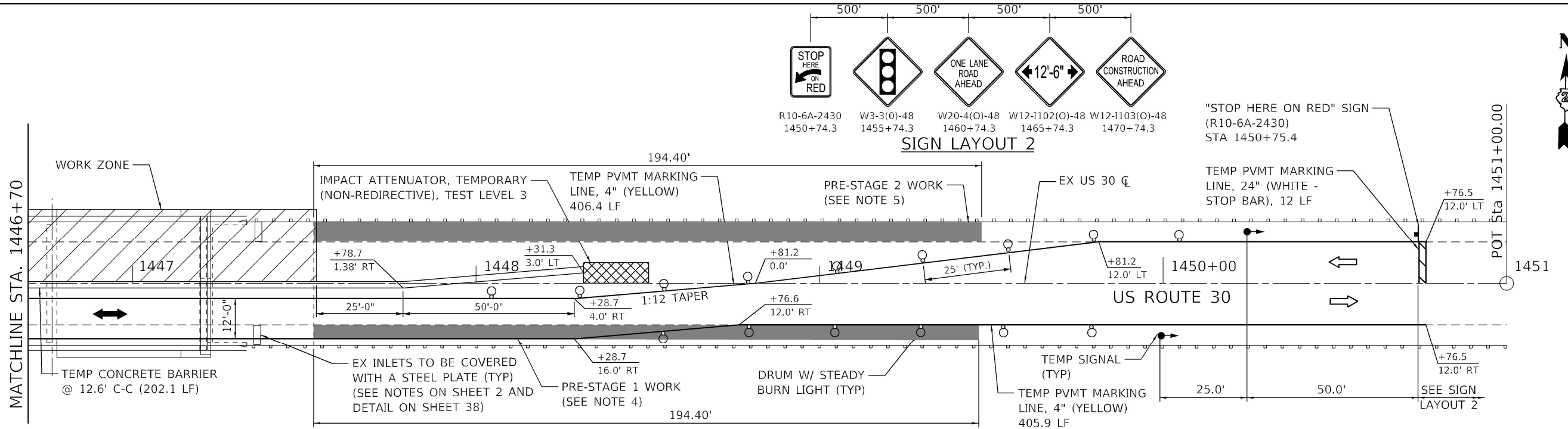
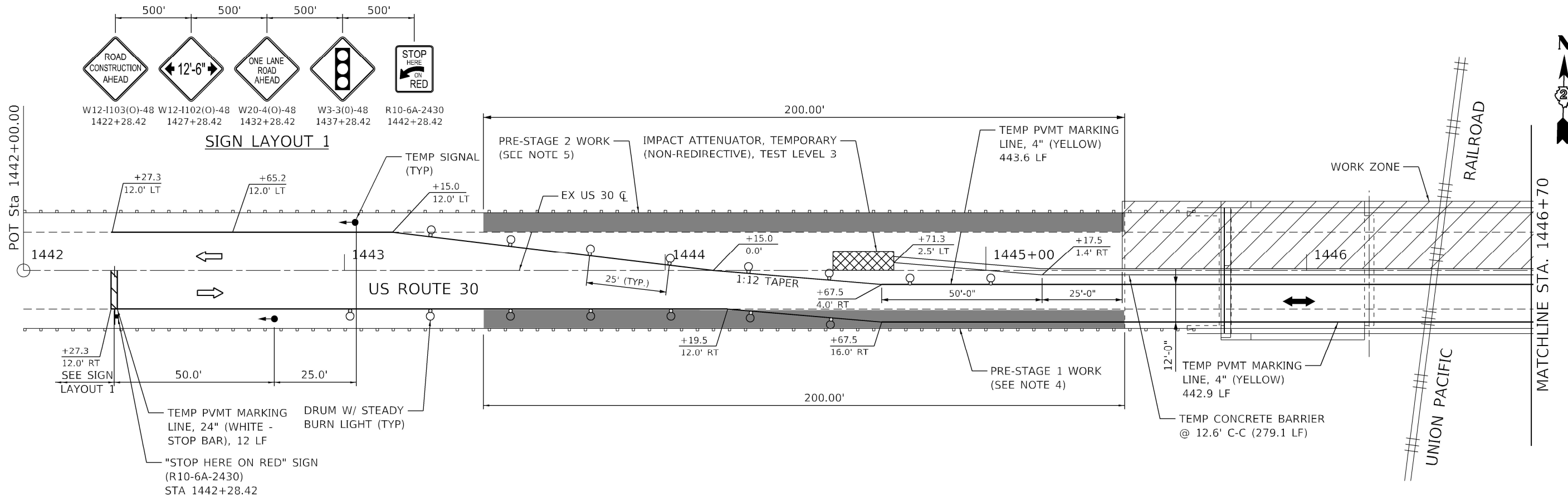
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PLOT DATE = 10/12/2022		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY IMPROVEMENT PLAN
US 30 OVER UPRR

F.A. RTE. 573	SECTION (111-VBR)BDR	COUNTY LEE	TOTAL SHEETS 39	SHEET NO. 10
CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.



- STAGE 1 NOTES:**
1. MAINTENANCE OF TRAFFIC SHALL FOLLOW IDOT STD 701321 AND THESE PLANS.
 2. ALL PAVEMENT MARKINGS SHALL BE REMOVED AS NOTED IN THE REMOVAL PLANS PRIOR TO PLACING TEMPORARY PAVEMENT MARKINGS.
 3. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE TAPE.
 4. PRE-STAGE 1 WORK SHALL CONSIST OF REMOVAL AND REPLACEMENT OF HMA SHOULDERS. THIS WORK SHALL BE COMPLETED PRIOR TO SETUP OF STAGE 1 MAINTENANCE OF TRAFFIC AND SHALL BE PERFORMED UNDER TRAFFIC CONTROL STANDARD 701201.
 5. PRE-STAGE 2 WORK SHALL CONSIST REMOVAL AND REPLACEMENT OF HMA SHOULDERS. THIS WORK SHALL BE COMPLETED UNDER STAGE 1 TRAFFIC CONTROL PLANS DETAILED ON THIS SHEET



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Kaskaskia
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 1111 North 1st Street
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 (309) 241-1111
 www.kaskaskiaeng.com

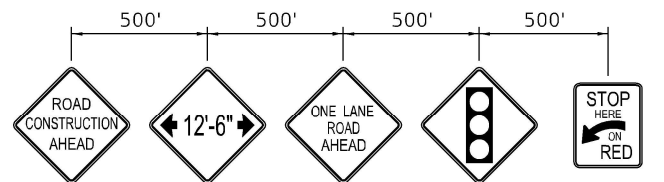
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PLOT DATE = 10/12/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC-STAGE 1
US 30 OVER UPRR

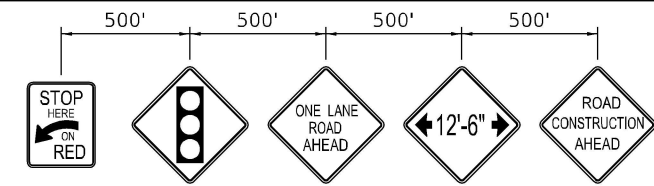
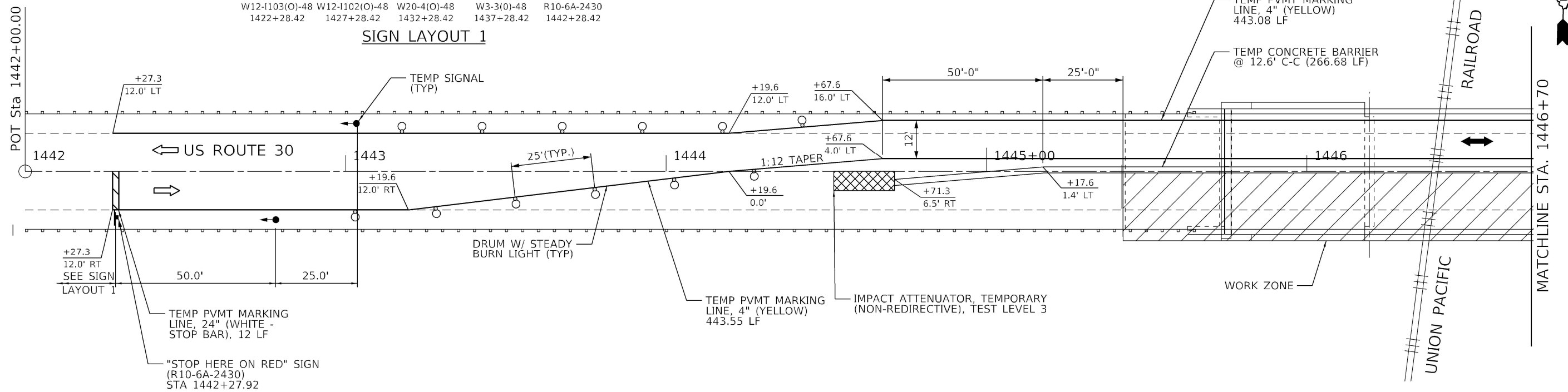
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F.A. RTE. 573	SECTION (111-VBR)BDR	COUNTY LEE	TOTAL SHEETS 39	SHEET NO. 11
CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				



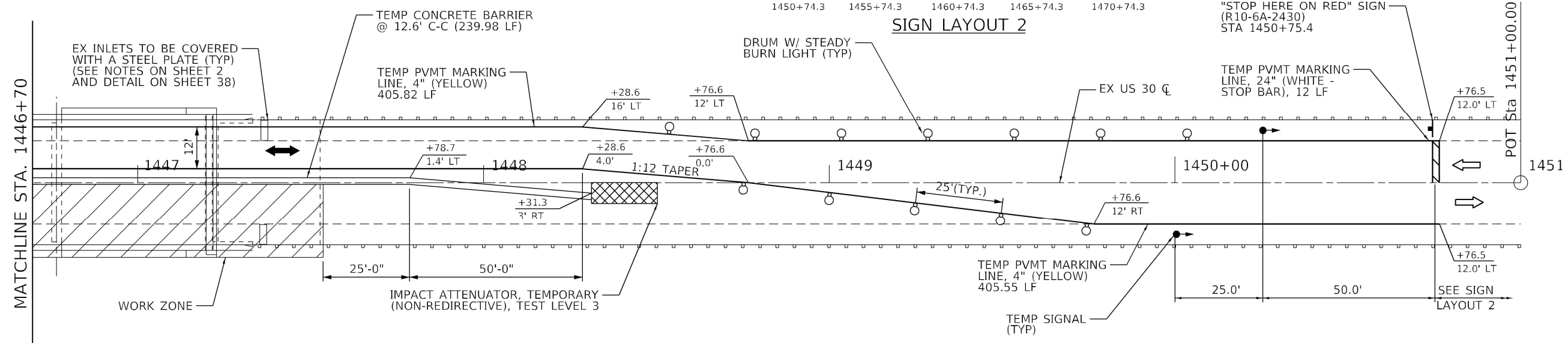
W12-1103(O)-48 1422+28.42
 W12-1102(O)-48 1427+28.42
 W20-4(O)-48 1432+28.42
 W3-3(O)-48 1437+28.42
 R10-6A-2430 1442+28.42

SIGN LAYOUT 1



R10-6A-2430 1450+74.3
 W3-3(O)-48 1455+74.3
 W20-4(O)-48 1460+74.3
 W12-1102(O)-48 1465+74.3
 W12-1103(O)-48 1470+74.3

SIGN LAYOUT 2



STAGE 2 NOTES:

1. MAINTENANCE OF TRAFFIC SHALL FOLLOW IDOT STD 701321 AND THESE PLANS.
2. ALL TEMPORARY PAVEMENT MARKING LANE LINES PLACED DURING STAGE 1 OPERATIONS SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "TEMPORARY PAVEMENT MARKING REMOVAL."
3. ALL TEMPORARY PAVEMENT MARKINGS SHALL BE TAPE.



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 309.252.0001
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USER NAME	= jheimer	DESIGNED	-	REVISED	-
DRAWN	-	REVISED	-	REVISED	-
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PLOT DATE	= 10/12/2022	DATE	-	REVISED	-

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC-STAGE 2
 US 30 OVER UPRR**

SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	12
CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				

Bench Mark: National Geodetic Survey Benchmark MF1136, 3.5 miles south of from the station at Nelson along the Chicago and North Western Railway at Bridge 1409, a standard monel-metal rivet in the top of the west end of the south back wall. NGVD29 elev. 656.99, NAVD88 elev. 656.77. Plan elevations are given in NGVD29 elevations.

Existing Structure: Structure Number 052-0031, built in 1939, is a three-span steel deck girder bridge with 5 continuous wide flange beams. In 1961 this structure was widened as FA 141, Section 111VB-Y. A sixth wide flange beam was added at this time. The structure is square to the roadway. The substructure consists of two solid reinforced concrete abutments and two three-column reinforced concrete piers, all supported by concrete piles. The superstructure was removed and reconstructed in 1993 with continuous composite steel beams and a concrete deck, 39'-2" out-to-out, 149'-6" back-to-back of abutments.

Salvage: None.

DESIGN STRESSES

Existing Structure (1993 Construction)

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (M270 Gr. 36)

New Construction

$f'_c = 4,000$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (M270 Grade 36)

DESIGN SPECIFICATIONS

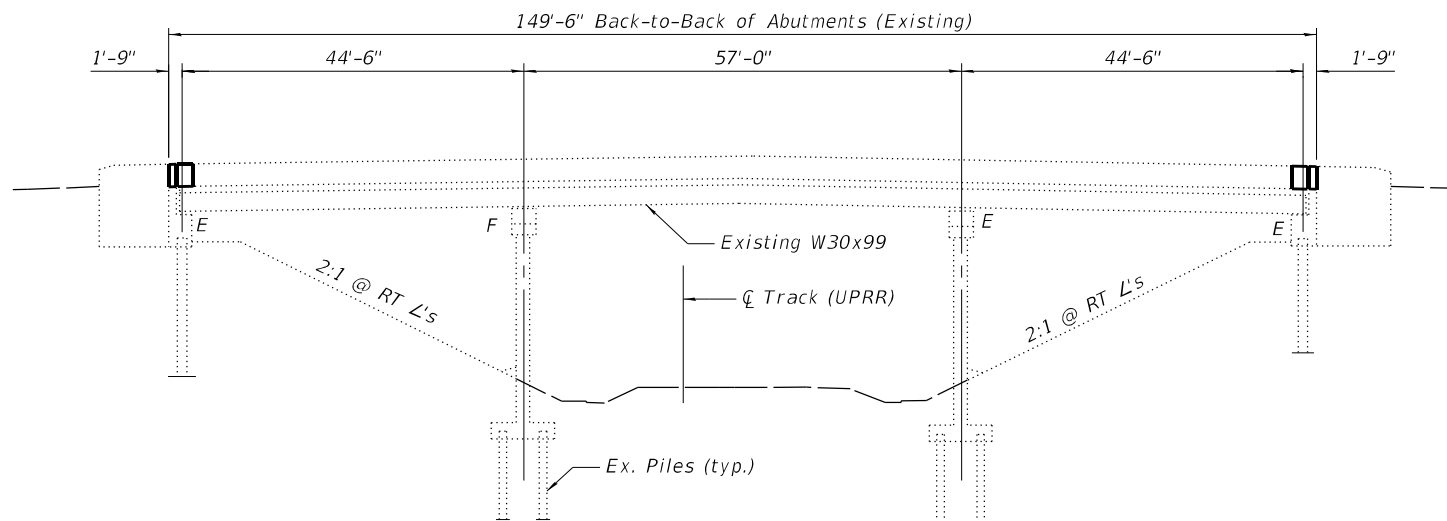
2002 AASHTO Standard Specifications for Highway Bridges

LOADING HS20-44

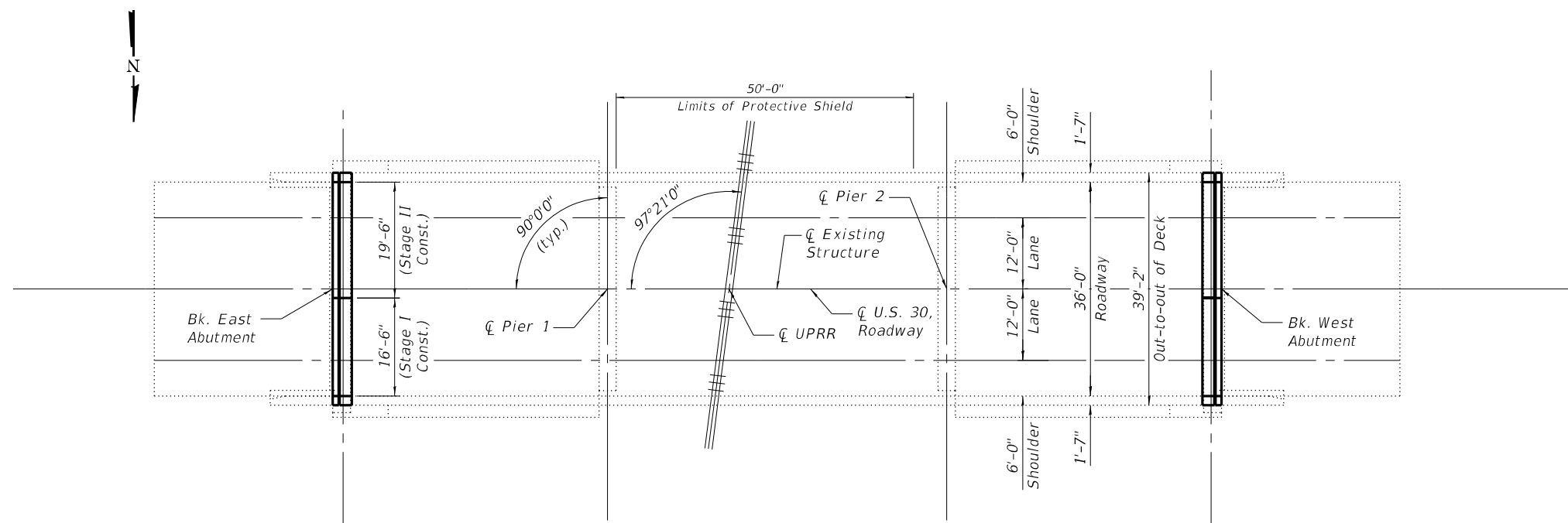
No additional wearing surface allowed

INDEX OF SHEETS

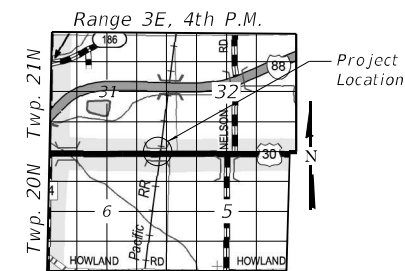
- 1 - General Plan & Elevation
- 2 - General Data
- 3 - Temporary Concrete Barrier
- 4 - Concrete Removal Details
- 5 - Superstructure
- 6 - Superstructure Details
- 7 - Superstructure Typical Section
- 8 - Preformed Joint Strip Seal
- 9 - Steel Repair Plan
- 10 - Steel Repair Details
- 11 - East Abutment Concrete Removal
- 12 - East Abutment Plan & Elevation
- 13 - West Abutment Concrete Removal
- 14 - West Abutment Plan & Elevation
- 15 - Existing Steel Cleaning and Painting Details
- 16 - Abutment Repairs
- 17 - Pier Repairs
- 18 - Bar Splicer Assembly and Mechanical Splicer Details
- 19 - Existing Plans



ELEVATION

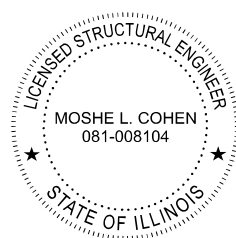


PLAN



LOCATION SKETCH

GENERAL PLAN & ELEVATION
 U.S. ROUTE 30 OVER UPRR
 F.A.P. 573 - SEC. (111 VBR)BDR
 LEE COUNTY
 STATION 1146+48.00
 STRUCTURE NO. 052-0031



Signed: *Moshe L. Cohen*
 Dated: 2022-12-06
 Illinois Structural Engineer
 No. 081-008104
 License Expires: 11-30-2024

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SHEET 1 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111 VBR)BDR	LEE	39	13
CONTRACT NO. 64R54				

ILLINOIS FED. AID PROJECT

GENERAL NOTES

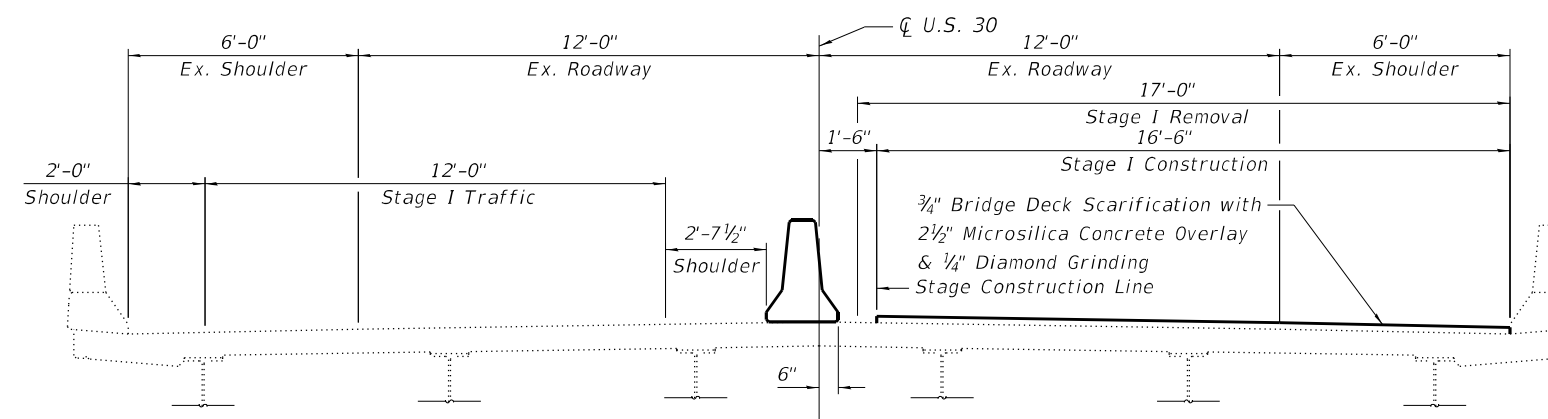
1. Reinforcement bars designated (E) shall be epoxy coated.
2. All heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be 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.
3. 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.
4. Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications at ambient temperature other than 50°F.
5. Cleaning and painting of the existing structure steel shall be as specified in the special provisions for "Cleaning and Painting Existing Steel Structures". All beams, bearings and other structural steel within 5 ft. (measured along the beam), unless noted otherwise, of either side of the deck joints shall be cleaned per Near White Blast Cleaning - SSPC-SP-10.
6. The designated areas cleaned per Near White Blast Cleaning - SSPC-SP-10 shall be painted according to the requirements of Paint System 1 - OZ/E/U.
7. The color of the final finish coat for all steel surfaces shall be Interstate Green, Munsell No. 7.5G 4/8.
8. Containment and disposal of non-lead paint cleaning residues shall be as specified in special provisions for "Containment and Disposal of Non-Lead Paint Cleaning Residues".
9. The painting Contractor shall be SSPC-QP1 certified for this project and shall maintain certification throughout the duration of the project.
10. All exposed concrete edges shall have a standard 3/4" chamfer unless noted otherwise.

SCOPE OF WORK

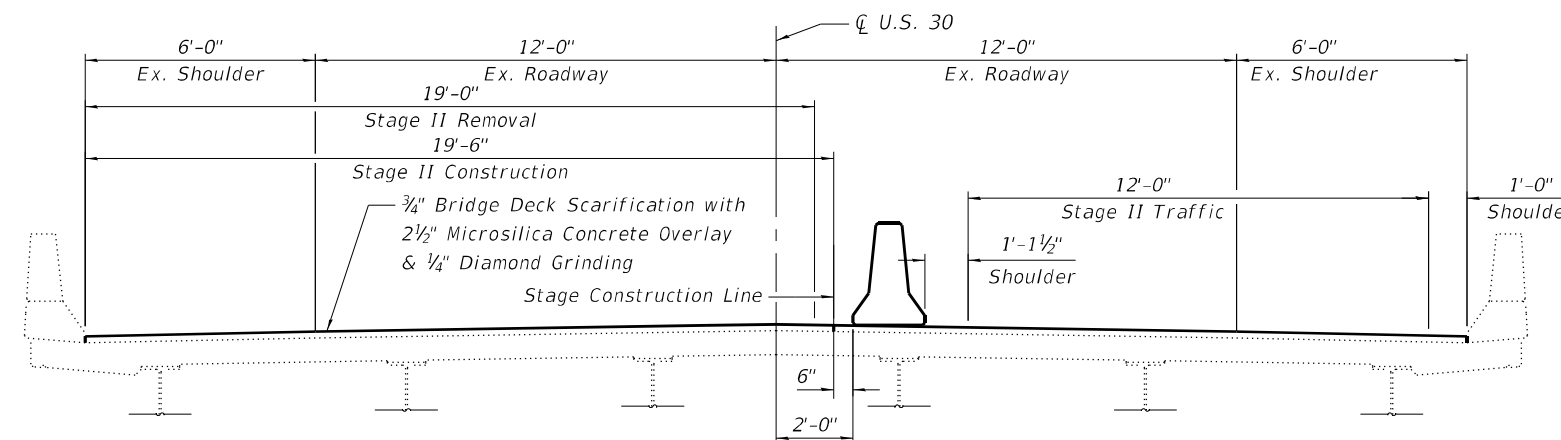
- To be completed under stage construction.
1. Remove existing expansion joints.
 2. Scarify bridge deck.
 3. Remove and reconstruct abutment backwalls.
 4. Clean and paint structural steel at designated locations.
 5. Replace diaphragms and repair steel as shown.
 6. Reconstruct deck joints at each abutment with preformed joint strip seal.
 7. Install Microsilica Concrete Overlay, perform diamond grinding and bridge deck grooving (longitudinal).
 8. Repair abutments and piers at designated locations or as directed by the Engineer.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu. Yd.	11.2		11.2
Protective Shield	Sq. Yd.	218		218
Concrete Superstructure	Cu. Yd.	12.6		12.6
Protective Coat	Sq. Yd.	843		843
Furnishing and Erecting Structural Steel	Pound	2,490		2,490
Reinforcement Bars, Epoxy Coated	Pound	1,970		1,970
Bar Splicers	Each	28		28
Preformed Joint Strip Seal	Foot	76		76
Epoxy Crack Injection	Foot		32	32
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	559		559
Containment and Disposal of Non-Lead Paint Cleaning Residues No. 1	Lump Sum	1		1
Structural Steel Removal	Pound	2,490		2,490
Structural Steel Repair	Pound	2,270		2,270
Cleaning and Painting Steel Bridge No. 1	Lump Sum	1		1
Bridge Deck Scarification 3/4"	Sq. Yd.	814		814
Bridge Deck Microsilica Concrete Overlay 2 1/2"	Sq. Yd.	814		814
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.		50	50
Diamond Grinding (Bridge Section)	Sq. Yd.	745		745



STAGE 1 - TYPICAL SECTION
(Looking Upstation)



STAGE 2 - TYPICAL SECTION
(Looking Upstation)

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Kaskaskia
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1127 N. W. 11th St.
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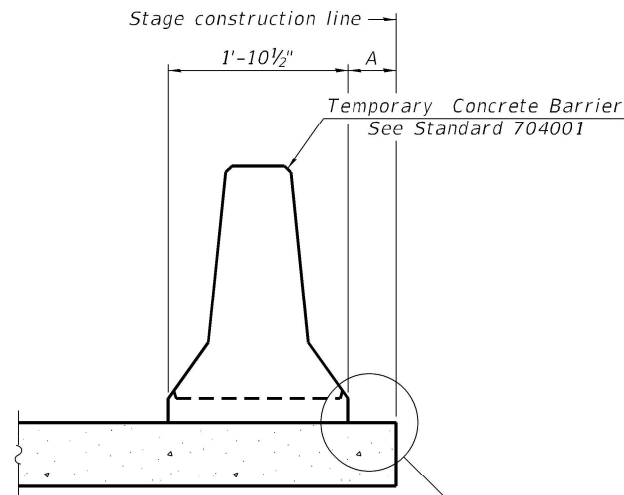
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL DATA
STRUCTURE NO. 052-0031

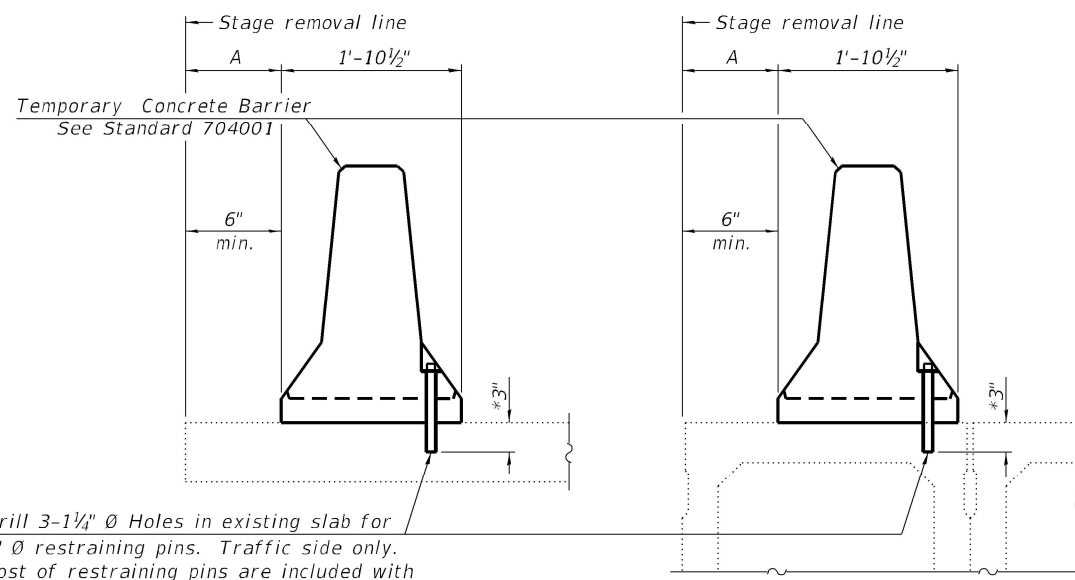
SHEET 2 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111 VBR)BDR	LEE	39	14
CONTRACT NO. 64R54				
		ILLINOIS	FED. AID PROJECT	



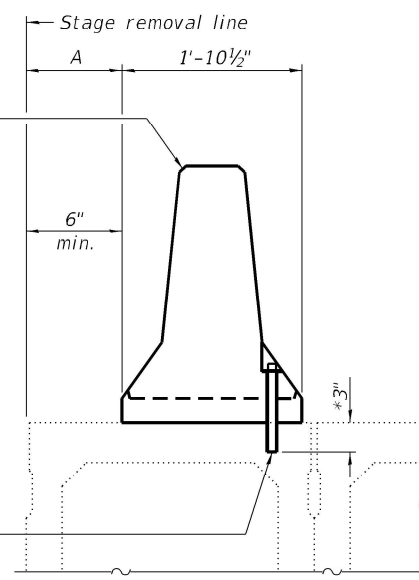
When "A" is 3'-1" or less, the temporary concrete barrier shall be restrained to the new slab according to Detail I, II or III. No restraint is required when "A" is greater than 3'-1".

NEW SLAB OR NEW DECK BEAM



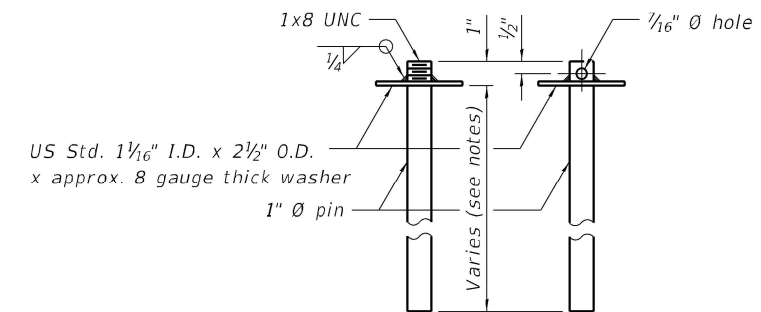
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB



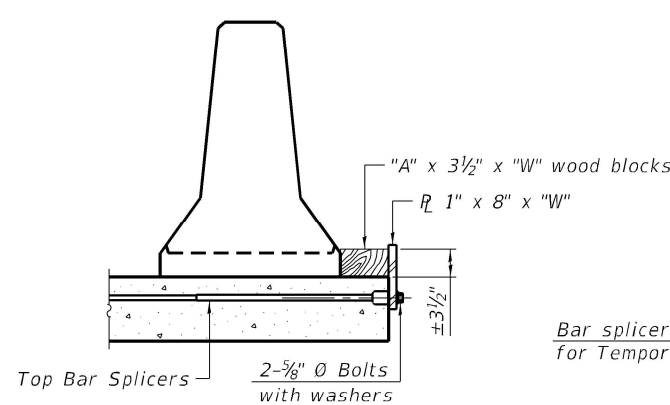
* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

EXISTING DECK BEAM

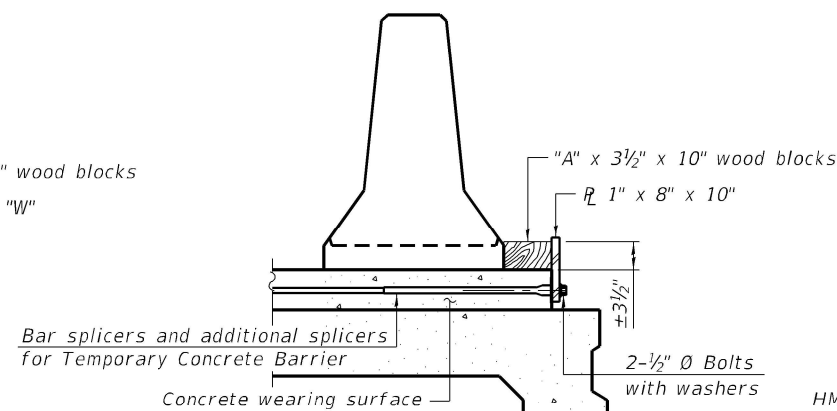


RESTRAINING PIN

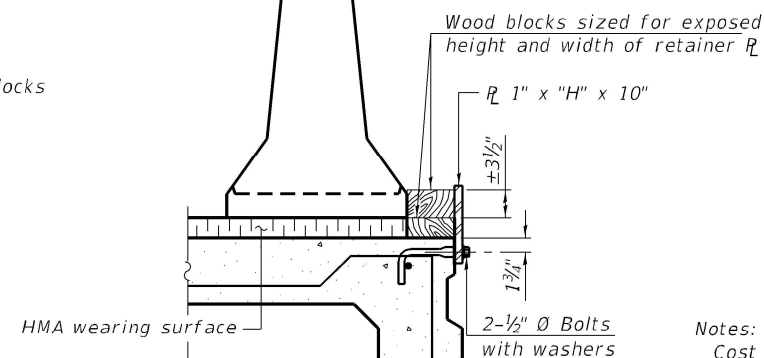
SECTIONS THRU SLAB OR DECK BEAM



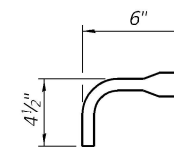
DETAIL I



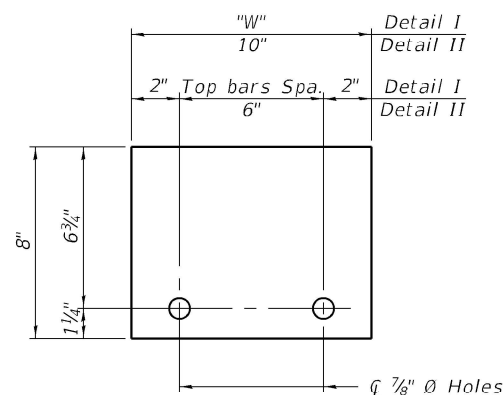
DETAIL II



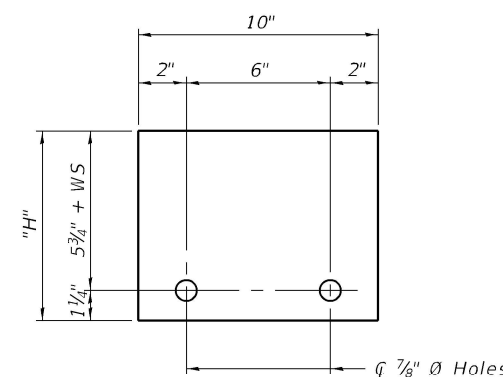
DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III



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



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

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

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

RAILING CRITERIA

NCHRP 350 Test Level	3
Railing Weight (plf)	440

R-27 10-12-2021

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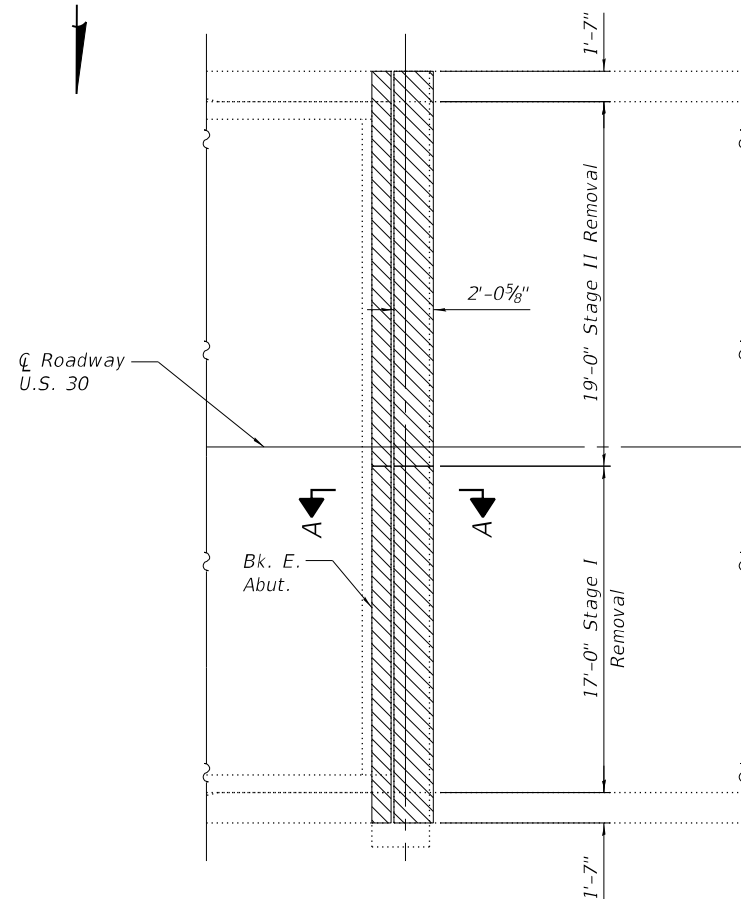
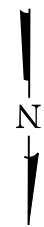
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER
 STRUCTURE NO. 052-0031

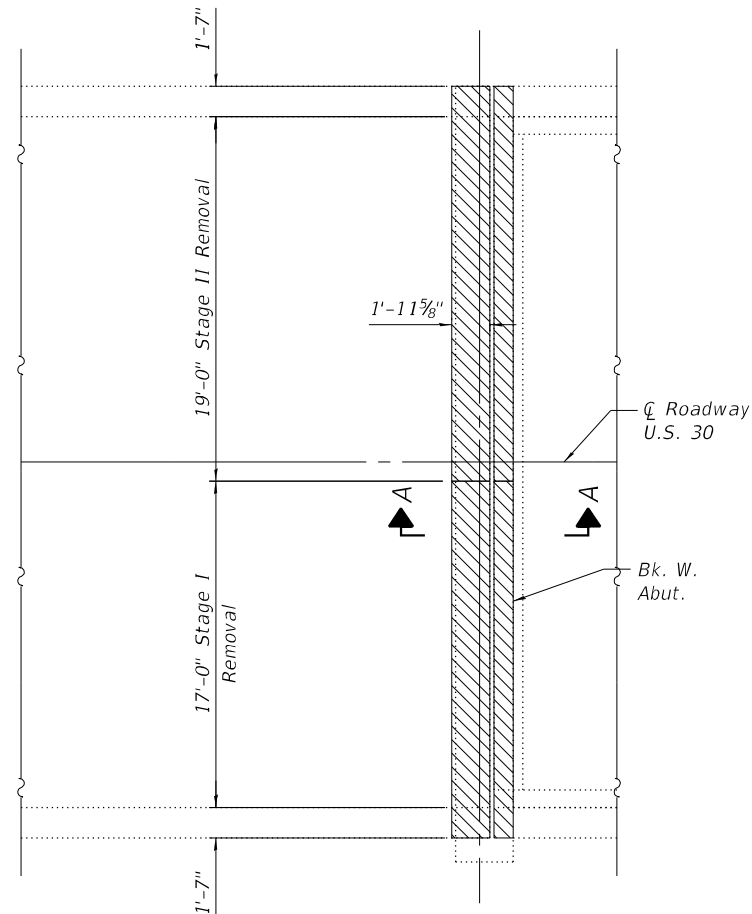
SHEET 3 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111 VBR)BDR	LEE	39	15
CONTRACT NO. 64R54				

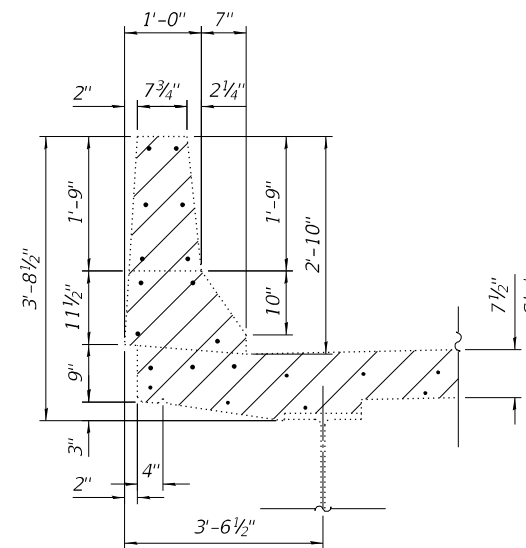
ILLINOIS FED. AID PROJECT



PLAN
(East Abutment - Showing Concrete Removal)



PLAN
(West Abutment - Showing Concrete Removal)



SECTION THRU PARAPET

BILL OF MATERIAL

Item	Unit	Total
Concrete Removal	Cu. Yd.	5.6

Notes:

The Contractor shall use extreme care during concrete removal so as not to damage the existing steel beams. Any steel damaged during concrete removal operations shall be repaired at the Contractor's expense.

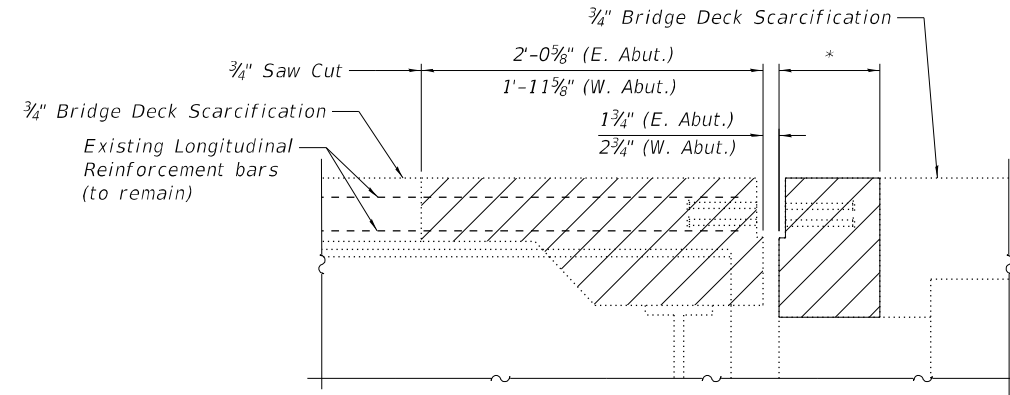
Removal of existing expansion joint and associated material shall not be paid for separately, but shall be included in the cost of Concrete Removal.

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into new construction.

Any reinforcement bars that are damaged during concrete removal operations shall be replaced at the Contractor's expense.

Stud shear connectors damaged during concrete removal operations shall be removed and replaced per Section 505 of the Standard Specifications at the Contractor's expense.

* See sheets 11 thru 14 of 19 for abutment concrete removal and reconstruction details.



SECTION A-A

Indicates Concrete Removal

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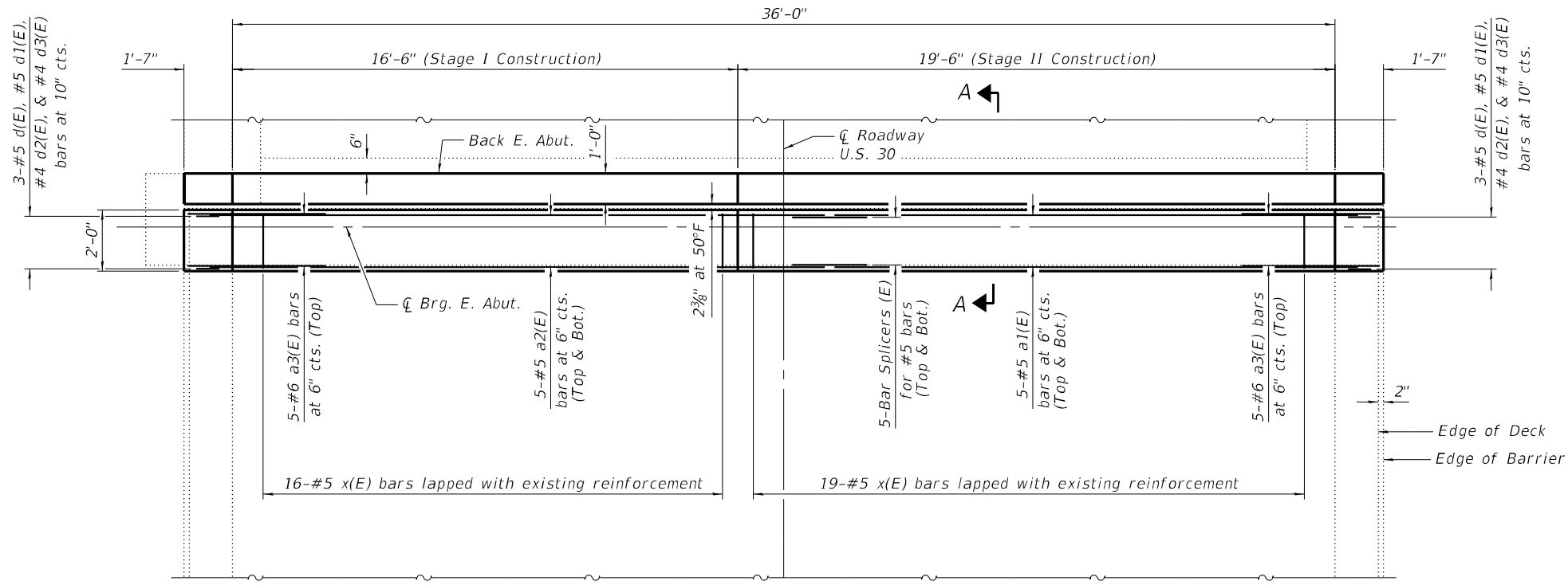
Kaskaskia
Engineering Group, LLC
Professional Engineering Firm
1127 N. Main St., Suite 100
Bloomington, Illinois 61702
618.233.8877 (Phone)
618.233.8877 (Fax)
www.kaskaskiaeng.com
11/27/2019
11/27/2019

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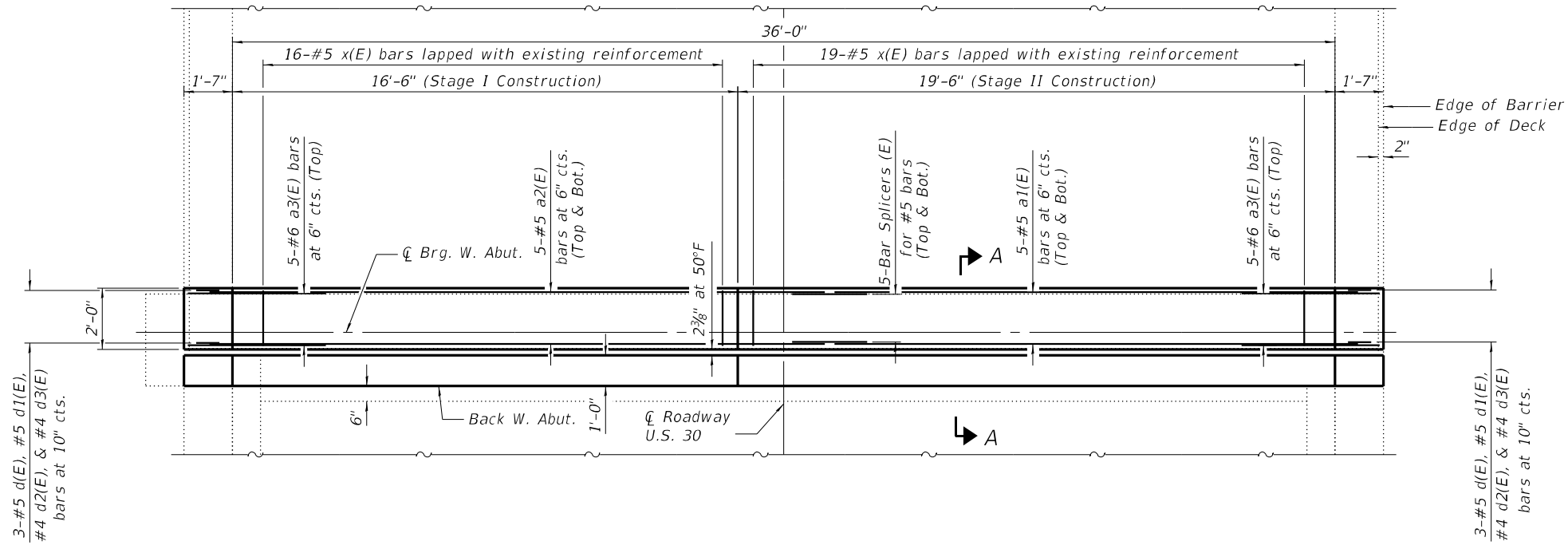
STATE OF ILLINOIS
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CONCRETE REMOVAL DETAILS
STRUCTURE NO. 052-0031

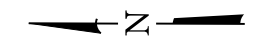
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CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				



PLAN
(Showing East Abutment)



PLAN
(Showing West Abutment)



MINIMUM BAR LAP
#5 bar = 3'-6"

Notes:
See Sheet 6 of 19 for Section A-A.

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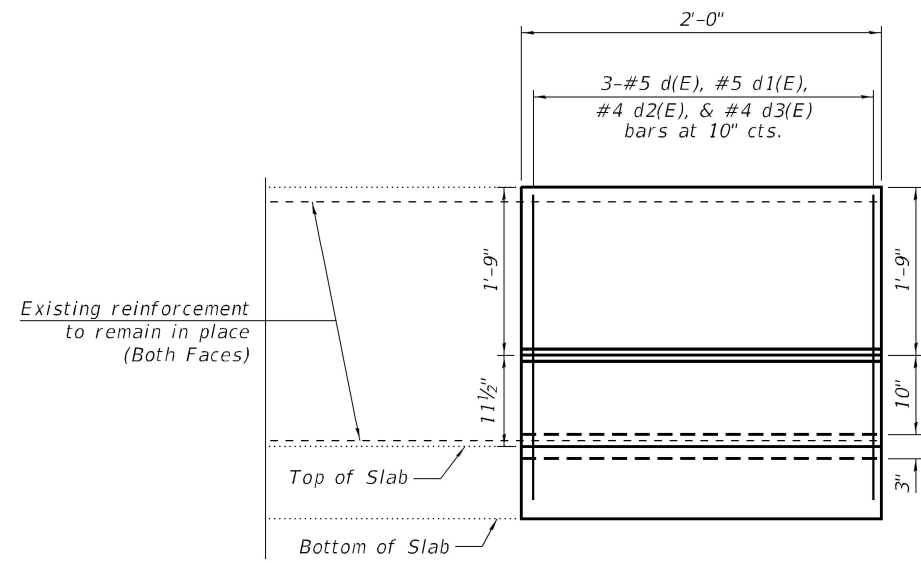
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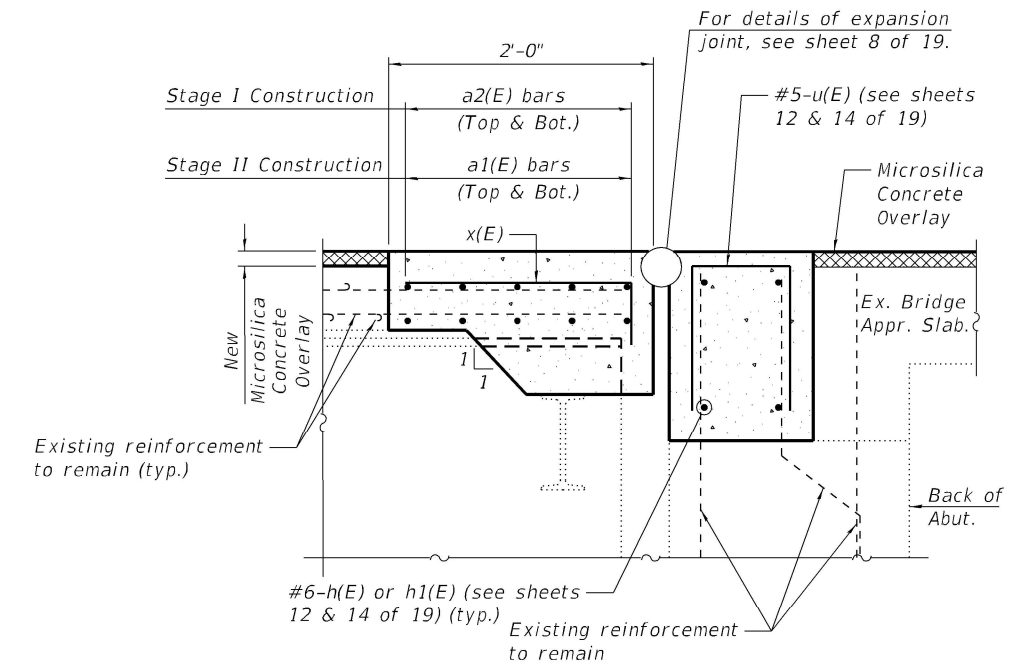
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SUPERSTRUCTURE
STRUCTURE NO. 052-0031

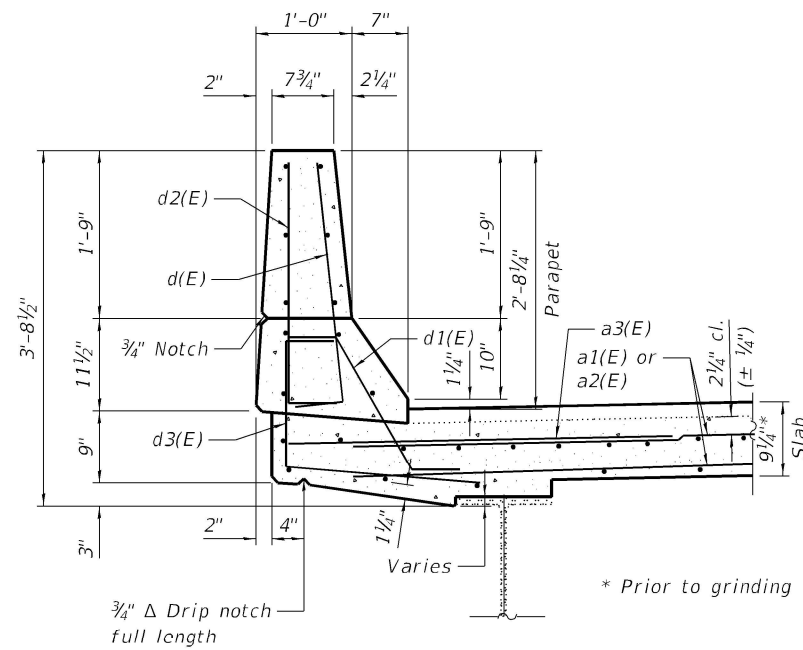
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CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				



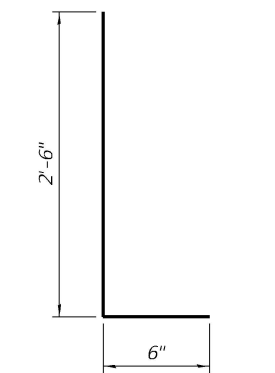
Outside Elevation
(South Parapet - East Abutment shown, others similar)



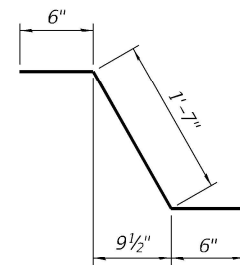
SECTION A-A
(at right angle)



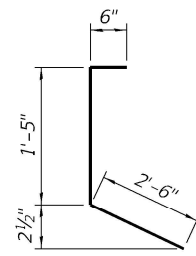
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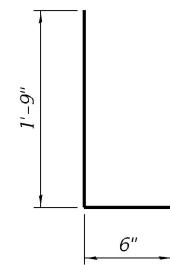
BARS d(E), d2(E)



BAR d1(E)



BAR d3(E)



BAR x(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1(E)	20	#5	20'-0"	—
a2(E)	20	#5	17'-0"	—
a3(E)	20	#6	4'-6"	—
d(E)	12	#5	3'-0"	⌋
d1(E)	12	#5	2'-7"	⌋
d2(E)	12	#4	3'-0"	⌋
d3(E)	12	#4	4'-5"	⌋
x(E)	70	#5	2'-3"	⌋
Concrete Superstructure			Cu. Yd.	6.4
Reinforcement Bars, Epoxy Coated			Pound	1,210

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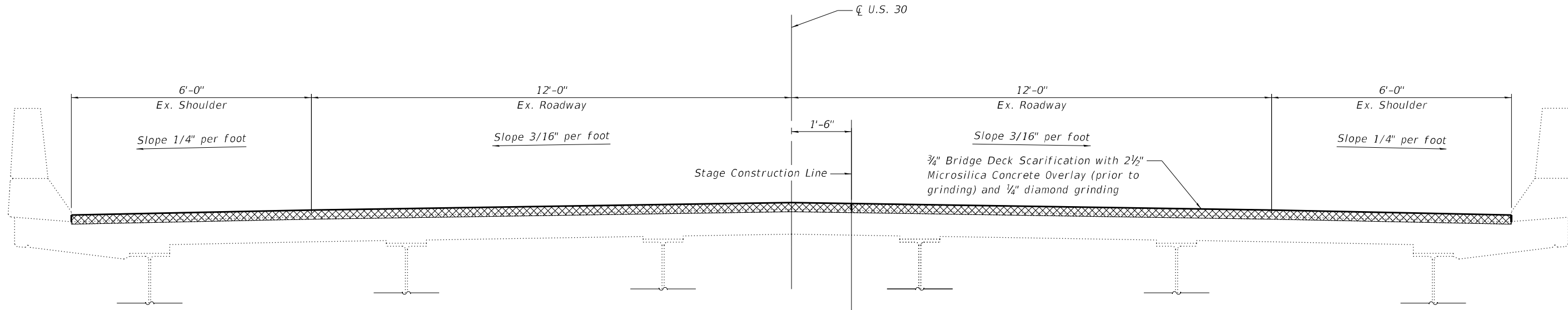
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Moline, IL 61704
617-321-1111

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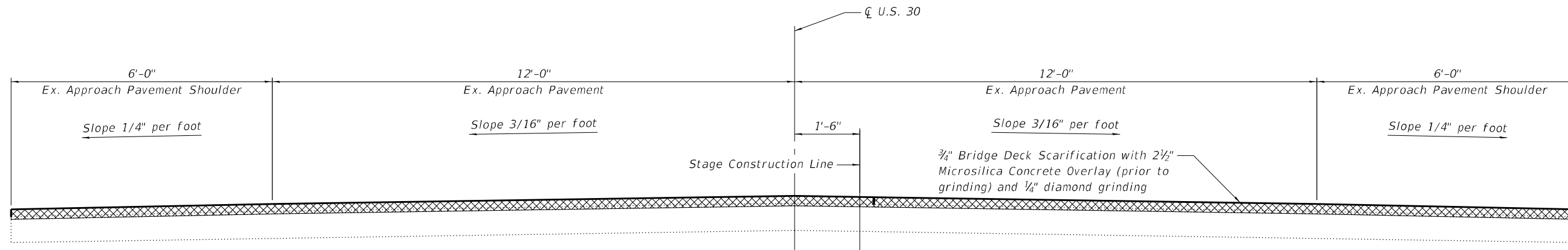
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE DETAILS
STRUCTURE NO. 052-0031

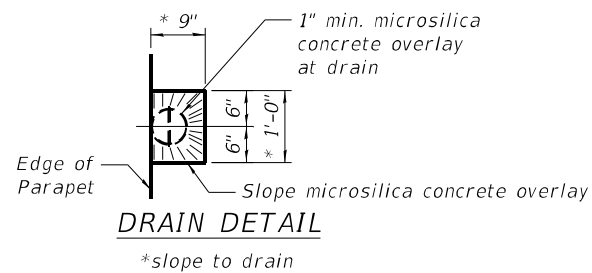
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CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				



SUPERSTRUCTURE TYPICAL SECTION
(Looking Upstation)



APPROACH PAVEMENT TYPICAL SECTION
(Looking Upstation)



MODEL: Default
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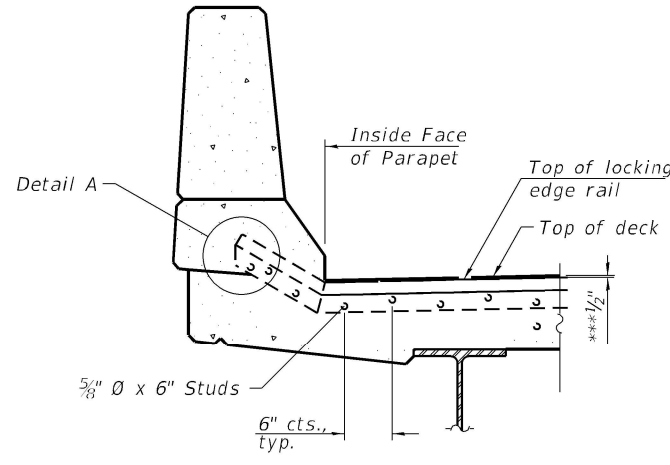
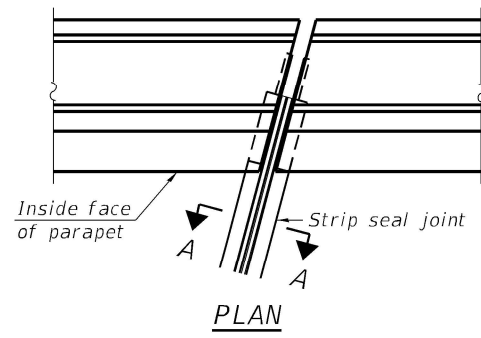
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STATE OF ILLINOIS
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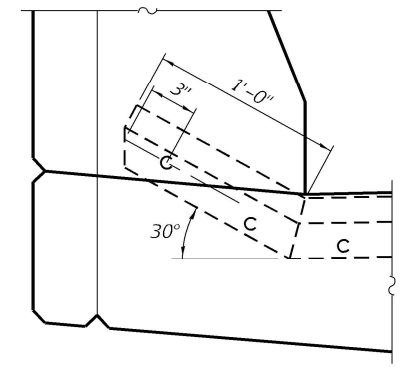
SUPERSTRUCTURE TYPICAL SECTION
STRUCTURE NO. 052-0031

SHEET 7 OF 19 SHEETS

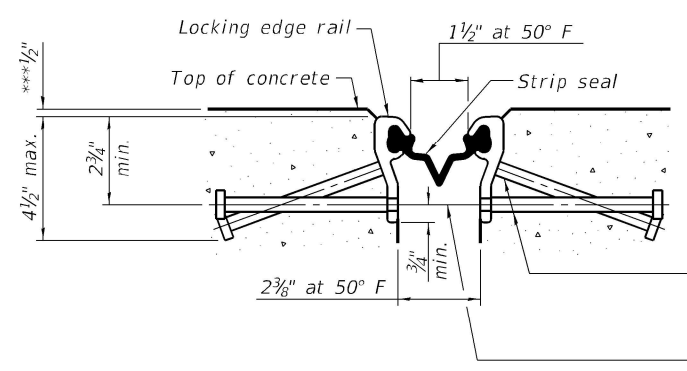
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573	(111 VBR)BDR	LEE	39	19
CONTRACT NO. 64R54				
		ILLINOIS	FED. AID PROJECT	



SECTION AT PARAPET
*** Prior to 1/4" Diamond Grinding



DETAIL A

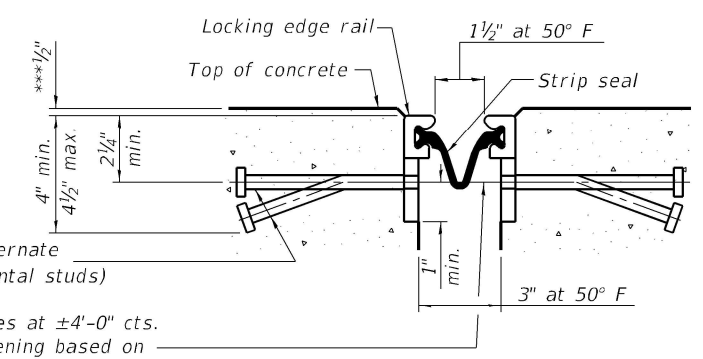


SHOWNING ROLLED RAIL JOINT

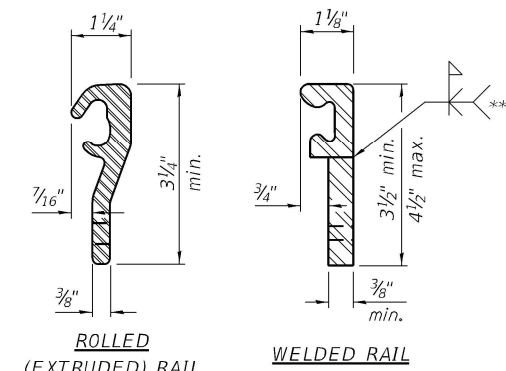
* 5/8" ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)
 3/8" ϕ threaded rods in 7/16" ϕ holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates 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.
 *** Prior to 1/4" Diamond Grinding

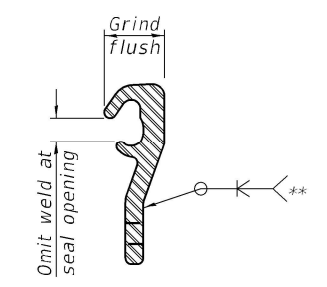


SHOWNING WELDED RAIL JOINT



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	76

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 conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities.
 The manufacturer's recommended installation methods shall be followed.
 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. Required modifications shall be made at no additional cost to the State.
 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.

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 201 E. Main St., Suite 100
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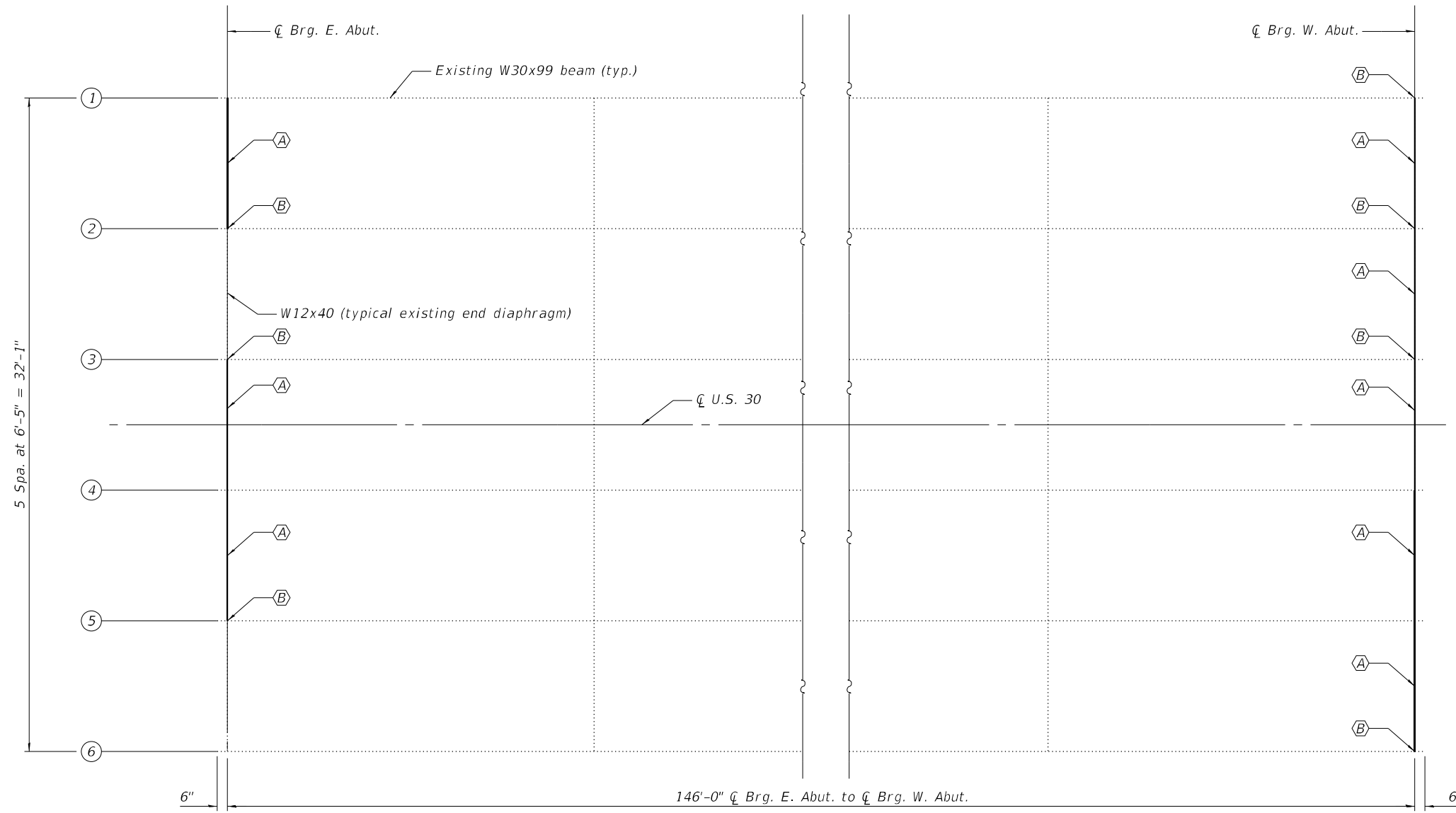
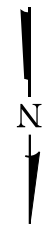
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 052-0031

SHEET 8 OF 19 SHEETS

F.A.P. RTE. 573	SECTION (111 VBR)BDR	COUNTY LEE	TOTAL SHEETS 39	SHEET NO. 20
CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				



REPAIR LEGEND

- (A) Existing W12x40 end diaphragm to be removed and replaced
- (B) Beam end repair

Note:
For repair details, see sheet 10 of 19.

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

**STEEL REPAIR PLAN
STRUCTURE NO. 052-0031**

SHEET 9 OF 19 SHEETS

F.A.P. RTE. 573	SECTION (111 VBR)BDR	COUNTY LEE	TOTAL SHEETS 39	SHEET NO. 21
			CONTRACT NO. 64R54	
		ILLINOIS	FED. AID PROJECT	

STEEL REPAIR 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 work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
 All new structural steel shall be hot-dip galvanized. See Special Provisions for "Hot Dip Galvanizing for Structural Steel."

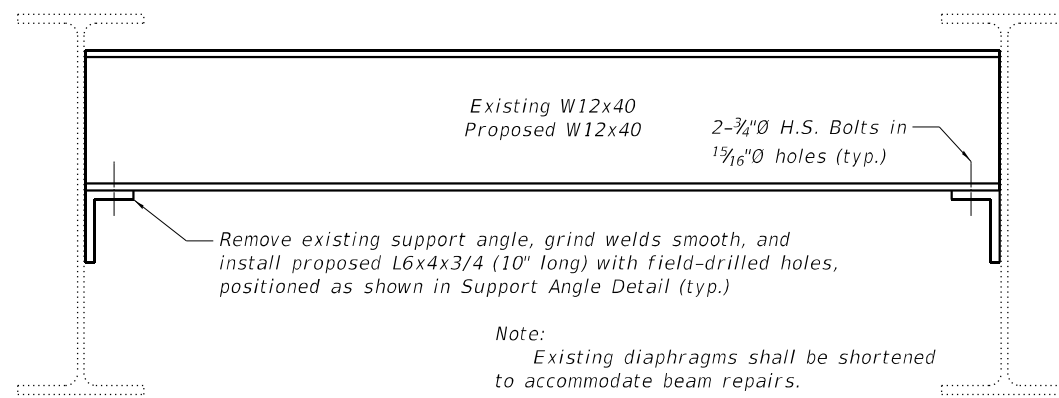
Fasteners shall be high strength bolts. Bolts $\frac{7}{8}$ ", open holes $1\frac{5}{16}$ ", unless otherwise noted.

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, including cost of drilling holes in existing steel members, shall be included in Furnishing and Erecting Structural Steel.

Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures." All welds shall be ground smooth.

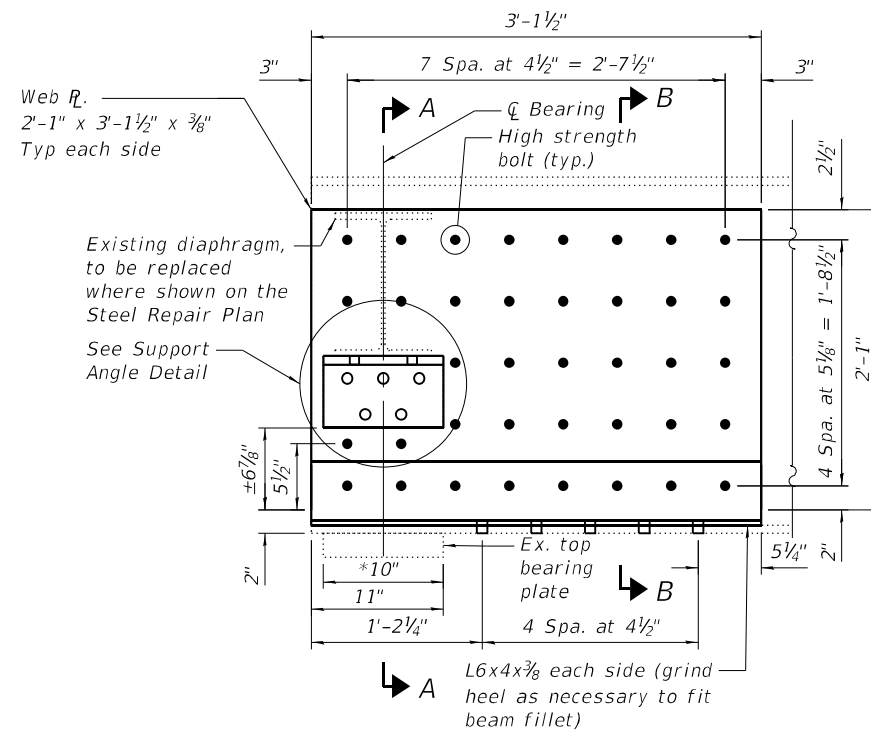
Height of support angles shown is approximate. Adjust position of support angles to align with the bottom of existing or proposed diaphragms in the field. Field-drill holes for support angles.

See sheet 9 of 19 for Steel Repair Plan.

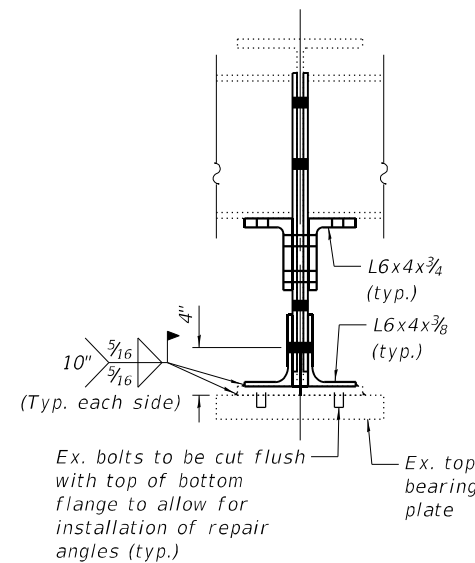


DIAPHRAGM REPLACEMENT DETAIL

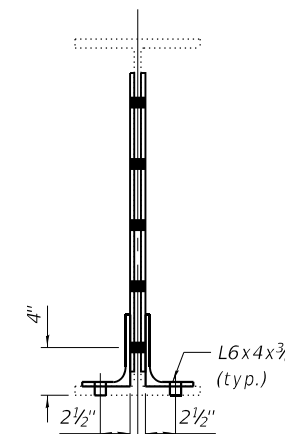
Beam repairs not shown for clarity



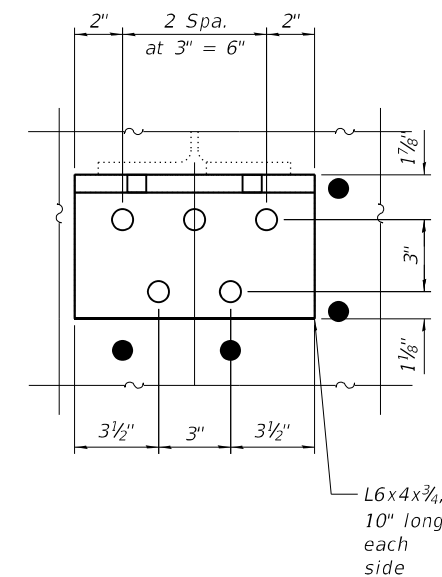
ELEVATION



SECTION A-A



SECTION B-B



SUPPORT ANGLE DETAIL

*Field weld angle to bottom flange and bottom flange to top bearing plate as shown in Section A-A.

BEAM END REPAIR

Beam End Repair with reinstallation of existing diaphragms shown, replacement of diaphragms similar

BOLT HOLE LEGEND

- Shop-drilled hole in web \bar{r}
- Field-drilled hole

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Structural Steel	Pound	2,490
Structural Steel Removal	Pound	2,490
Structural Steel Repair	Pound	2,270

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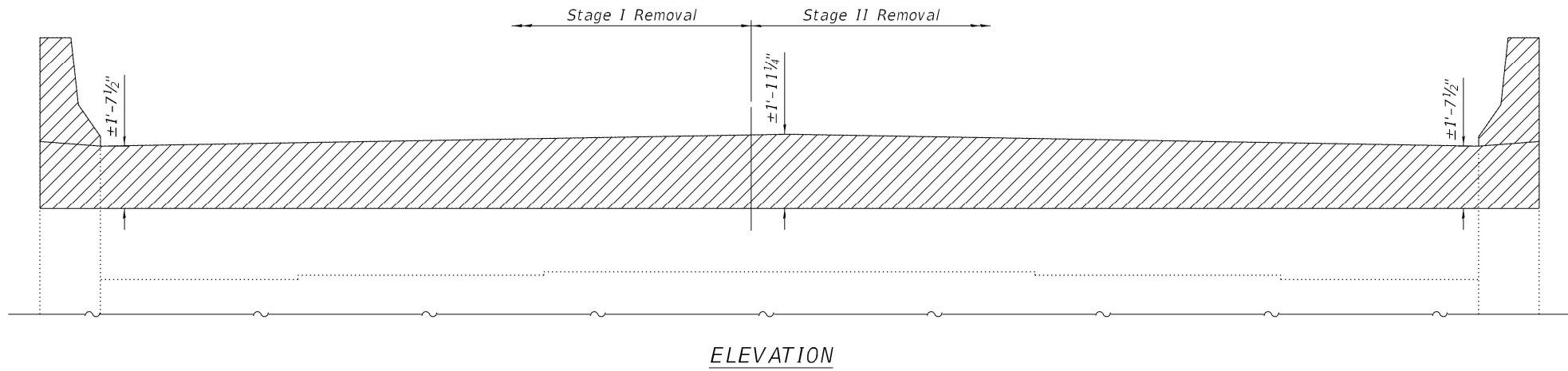
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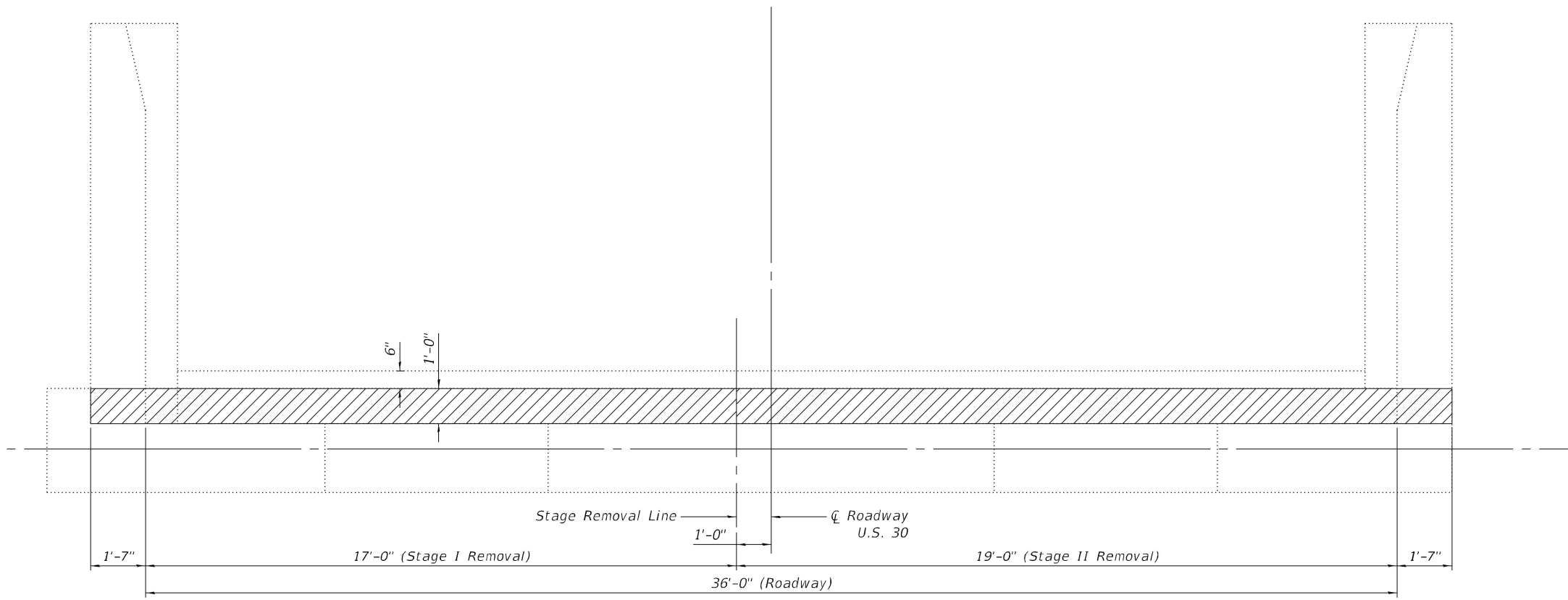
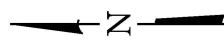
**STEEL REPAIR DETAILS
 STRUCTURE NO. 052-0031**

SHEET 10 OF 19 SHEETS

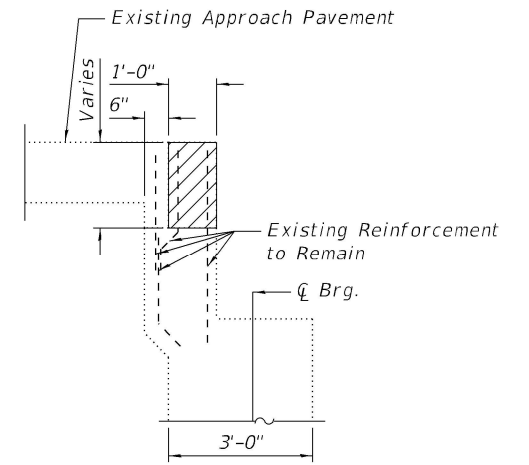
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CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				



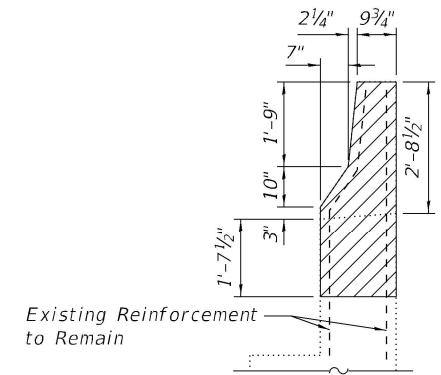
ELEVATION



PLAN



SECTION THRU ABUTMENT



SECTIONS THRU WING WALL
(South Wing Wall Shown, North Similar)

- Indicates Limits of Concrete Removal

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	2.8

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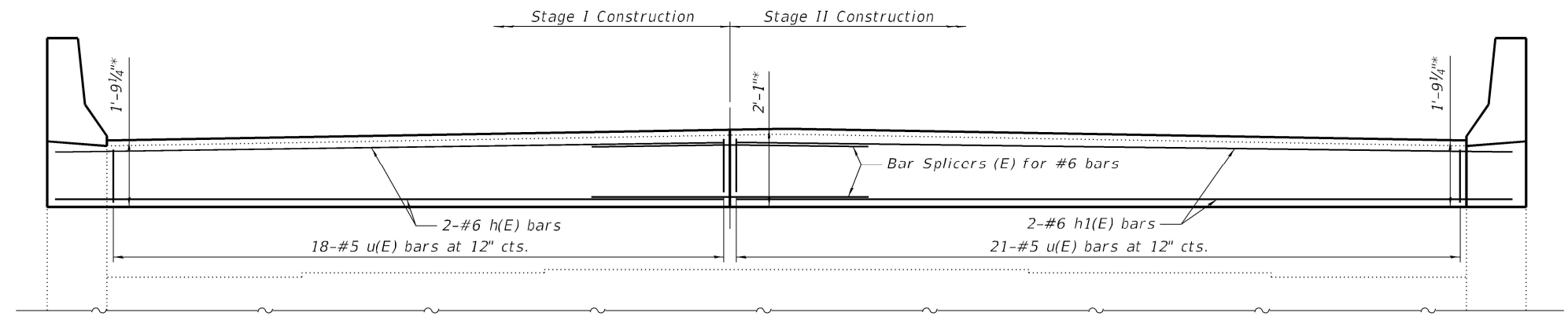
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EAST ABUTMENT CONCRETE REMOVAL
STRUCTURE NO. 052-0031

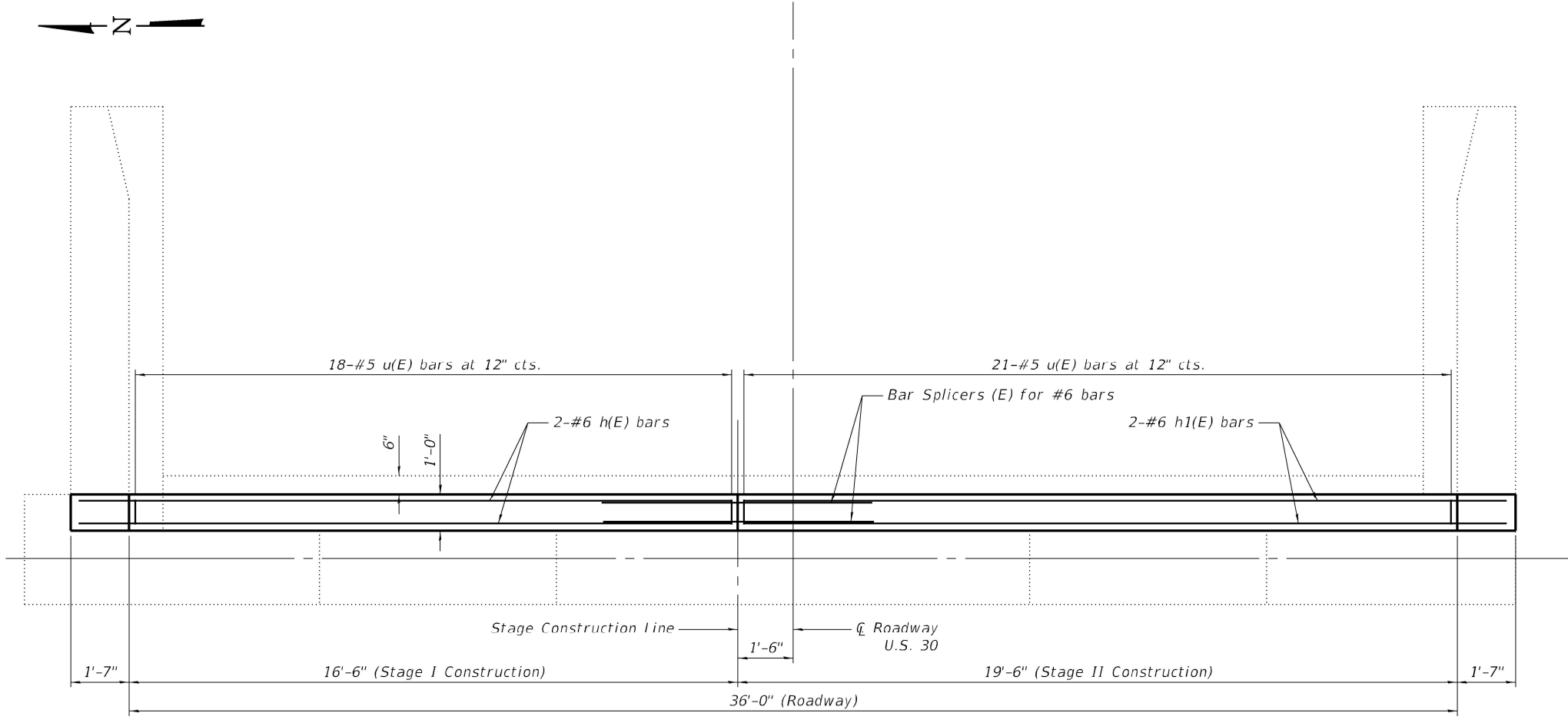
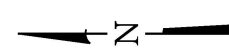
SHEET 11 OF 19 SHEETS

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ILLINOIS FED. AID PROJECT				

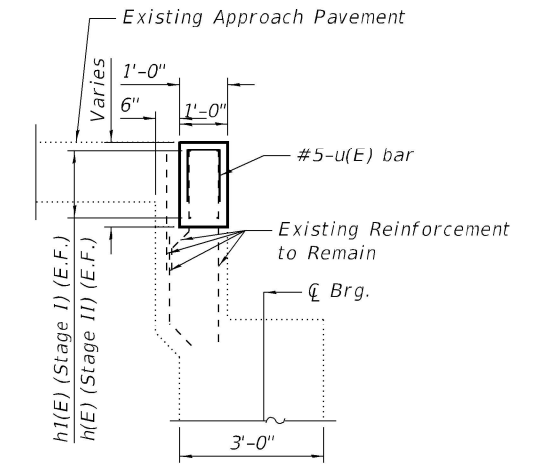


ELEVATION

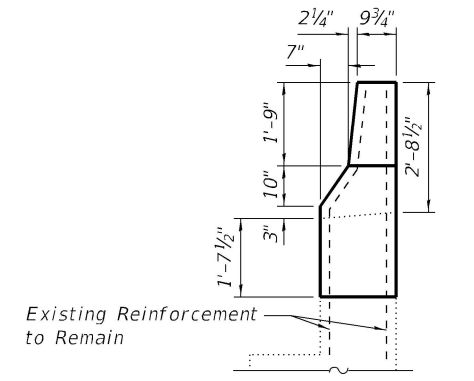
* Prior to grinding



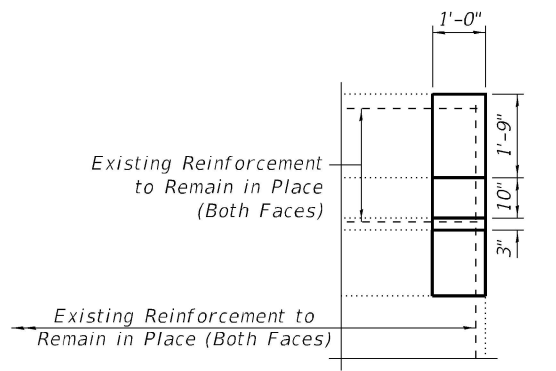
PLAN



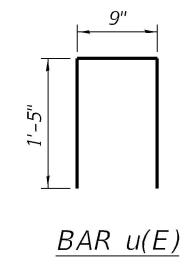
SECTION THRU ABUTMENT



SECTIONS THRU WING WALL
(South Wing Wall Shown, North Similar)



WING WALL ELEVATION
(North Wing Wall Shown, South Similar)



BAR u(E)

EAST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	4	#6	20'-9"	—
h1(E)	4	#6	17'-9"	—
u(E)	39	#5	3'-7"	□
Concrete Superstructure			Cu. Yd.	3.1
Reinforcement Bars, Epoxy Coated			Pound	380

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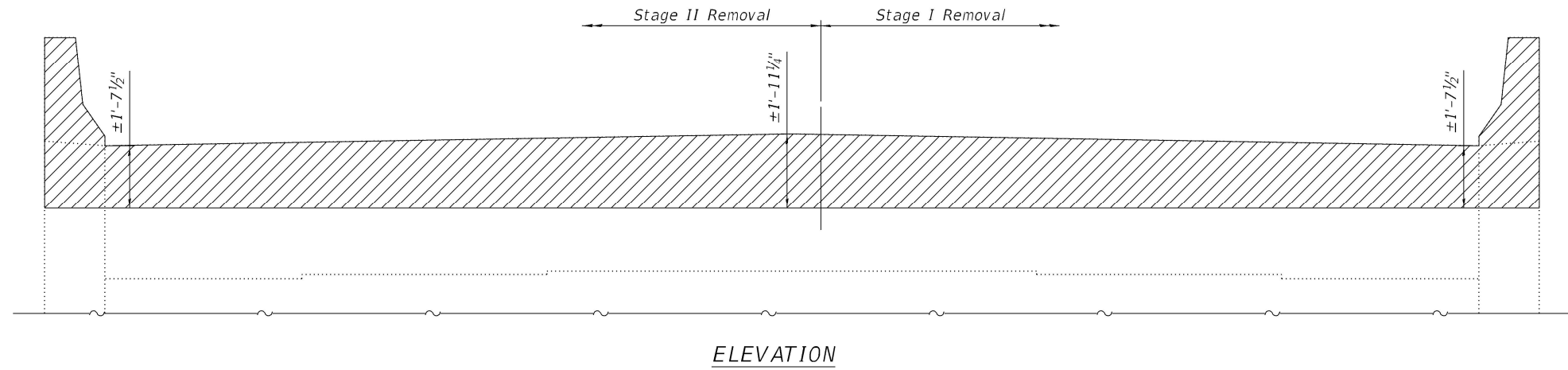
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PLOT DATE =	DRAWN - MLC	REVISED -
	CHECKED - JW	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

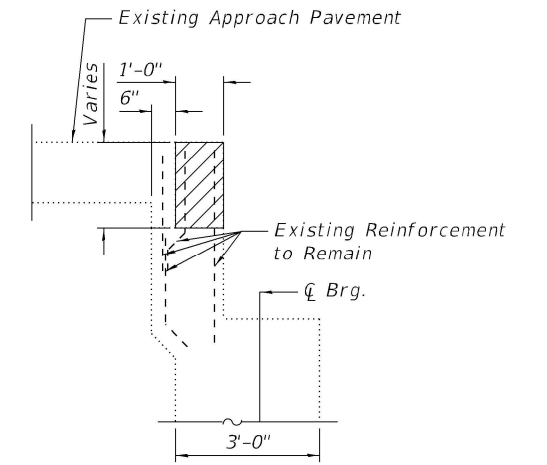
EAST ABUTMENT PLAN & ELEVATION
STRUCTURE NO. 052-0031

SHEET 12 OF 19 SHEETS

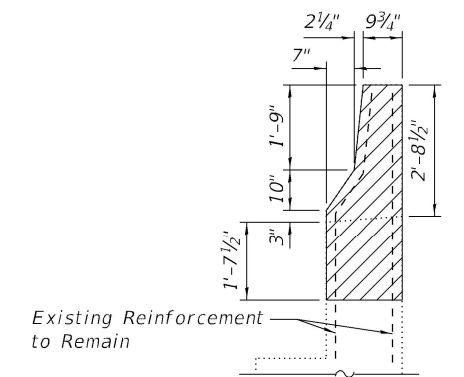
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CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				



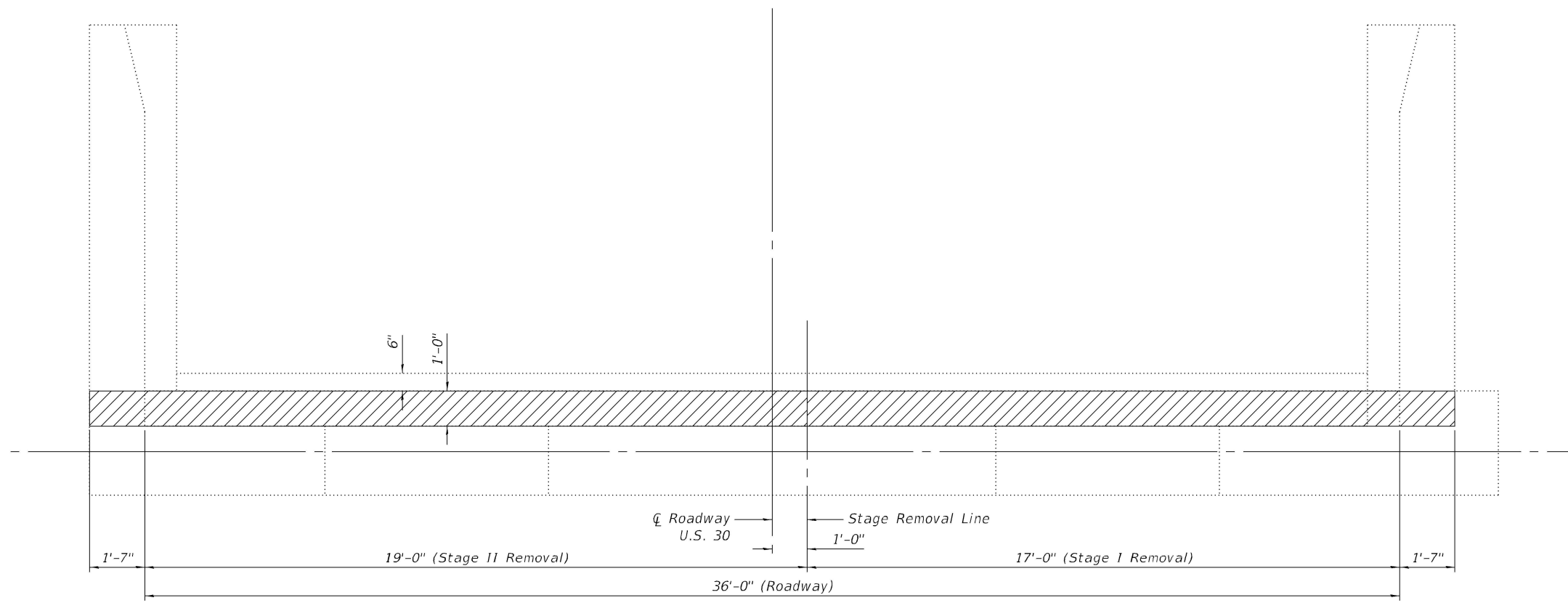
ELEVATION



SECTION THRU ABUTMENT



SECTIONS THRU WING WALL
(South Wing Wall Shown, North Similar)



PLAN

- Indicates Limits of Concrete Removal

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Removal	Cu. Yd.	2.8

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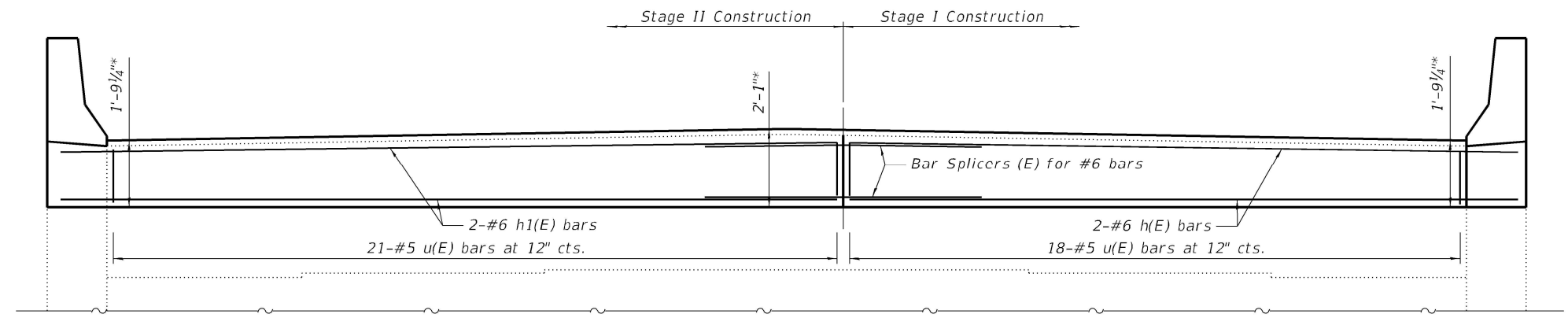
Kaskaskia
Engineering Group, LLC
Professional Engineering Group
1127 N. 7th St.
Moline, IL 61704
309-243-8888

USER NAME =	DESIGNED - MLC	REVISED -
CHECKED - JW	CHECKED - JW	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

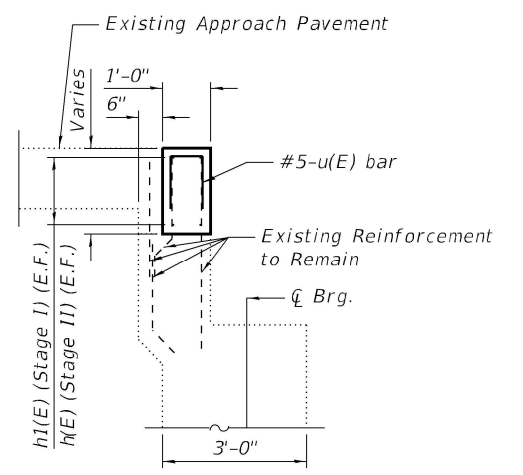
WEST ABUTMENT CONCRETE REMOVAL
STRUCTURE NO. 052-0031

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				

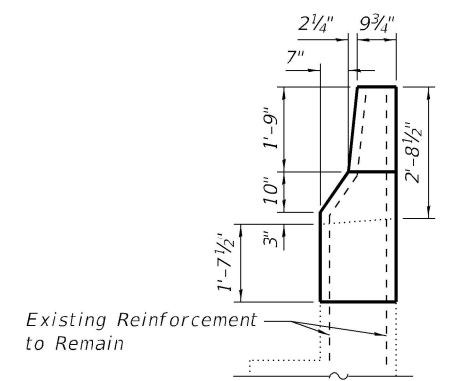


ELEVATION

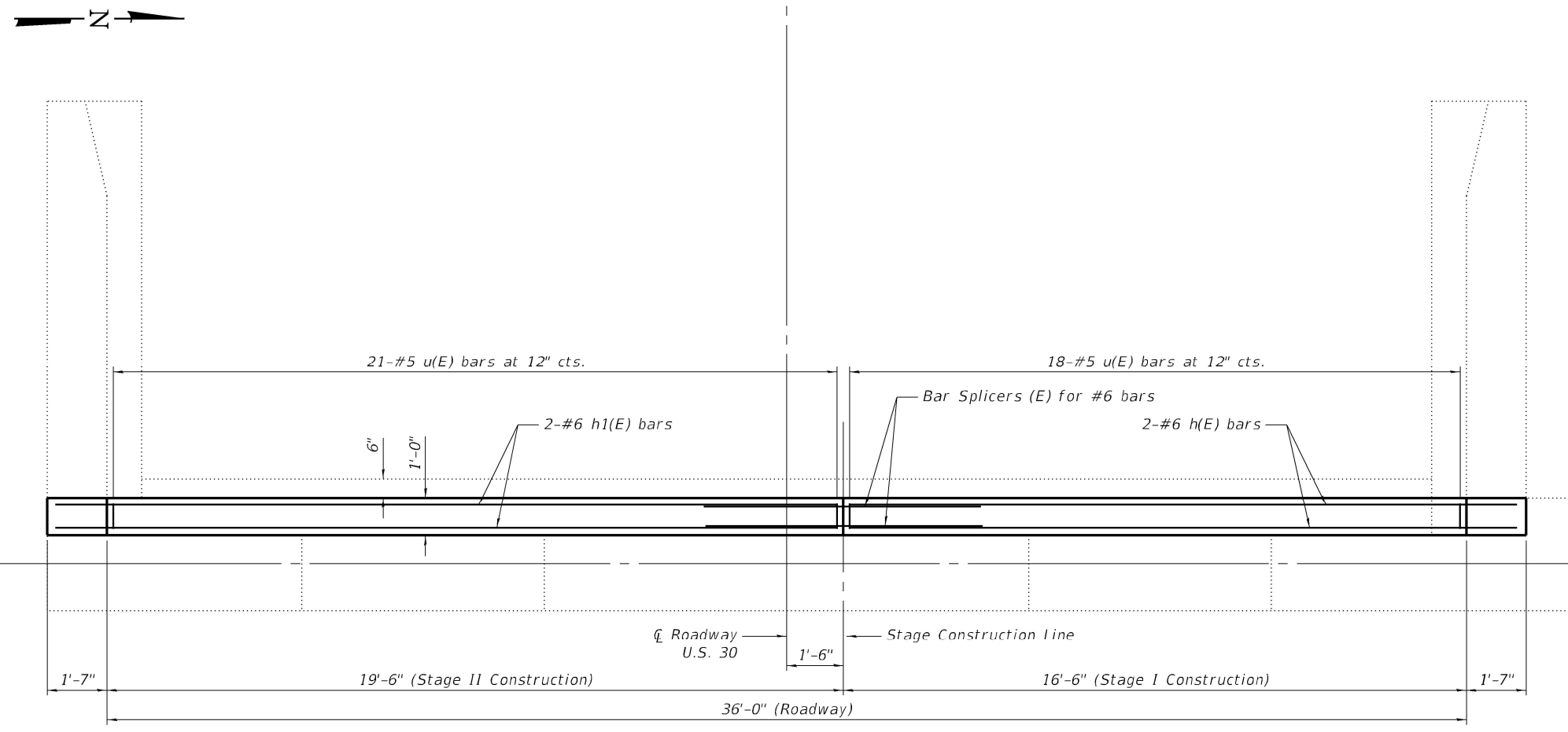
* Prior to grinding



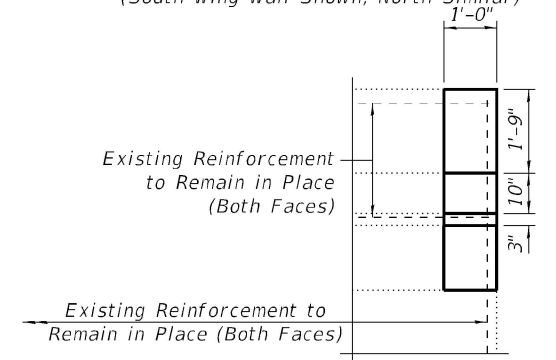
SECTION THRU ABUTMENT



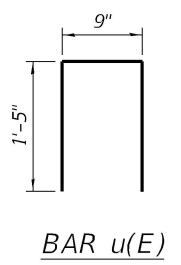
SECTIONS THRU WING WALL
(South Wing Wall Shown, North Similar)



PLAN



WING WALL ELEVATION
(North Wing Wall Shown, South Similar)



BAR u(E)

WEST ABUTMENT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	4	#6	20'-9"	—
h1(E)	4	#6	17'-9"	—
u(E)	39	#5	3'-7"	□
Concrete Superstructure			Cu. Yd.	3.1
Reinforcement Bars, Epoxy Coated			Pound	380

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Kaskaskia
Engineering Group, LLC
Professional Engineering Group
1127 W. 11th St.
Moline, IL 61704
662.333.8877
www.kaskaskiaeng.com

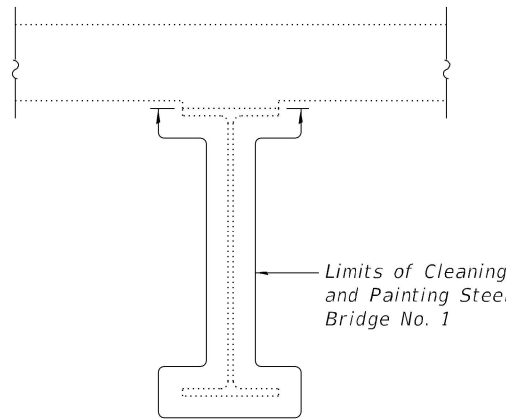
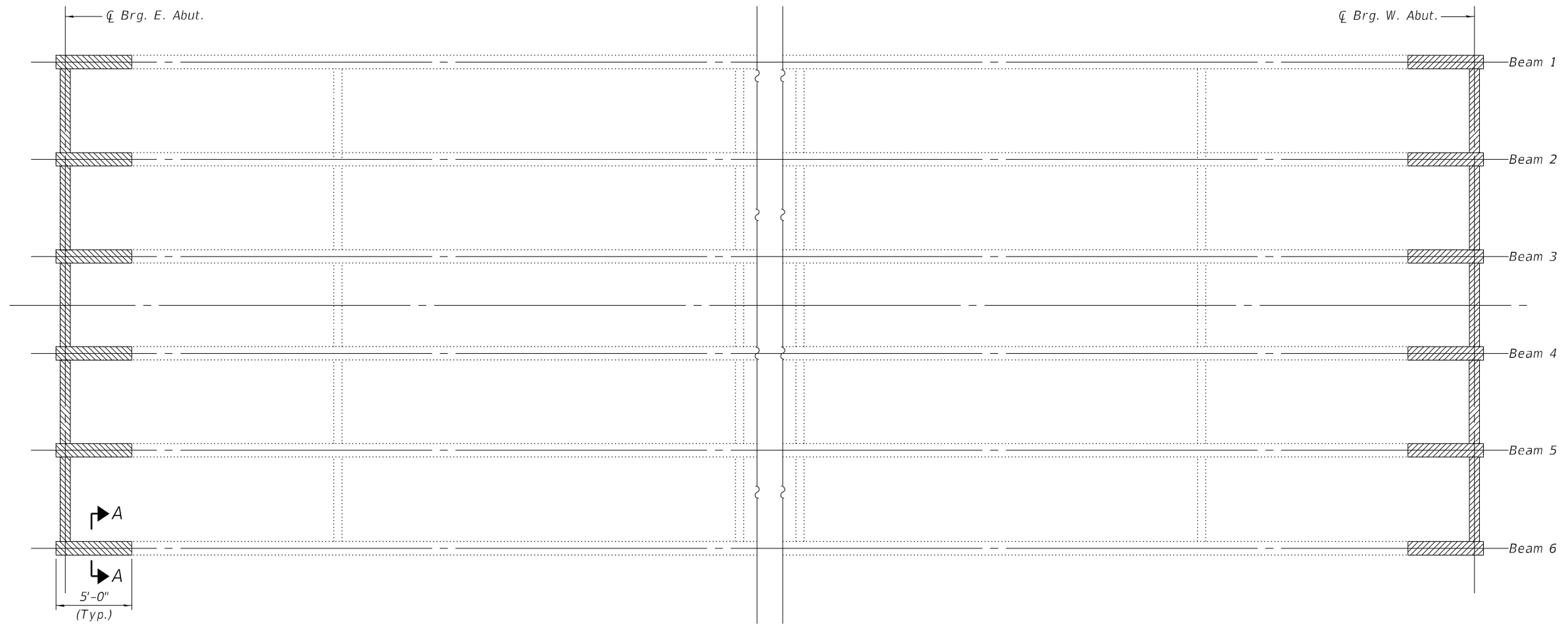
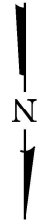
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

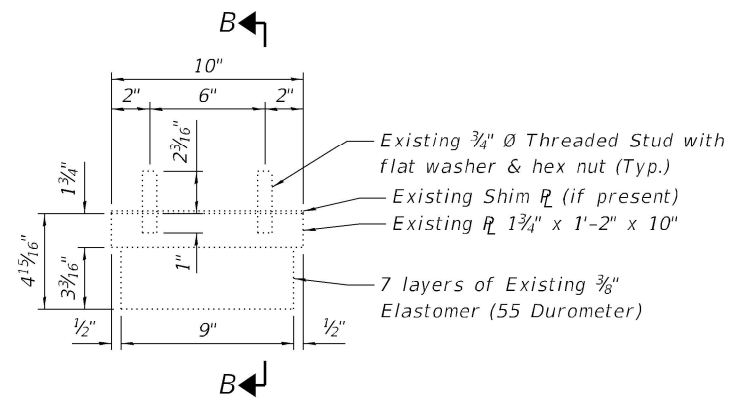
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STRUCTURE NO. 052-0031

SHEET 14 OF 19 SHEETS

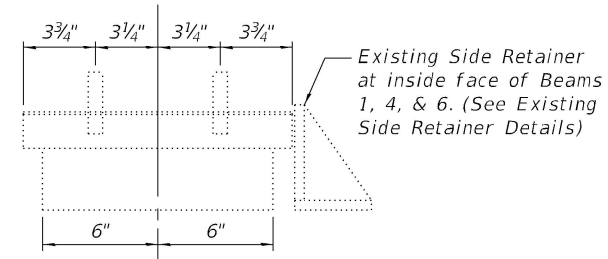
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573	(111 VBR)BDR	LEE	39	26
CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				



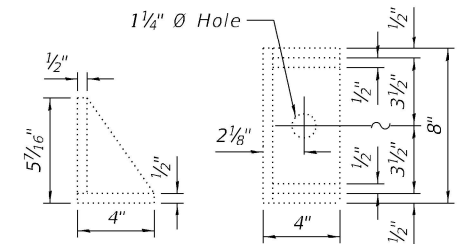
SECTION A-A



EXISTING BEARING ASSEMBLY AT ABUTMENTS



SECTION B-B



EXISTING SIDE RETAINER DETAILS

Indicates limits of Cleaning and Painting Steel Bridge No. 1.

Notes:
 See General Notes on Sheet 2 of 19 for additional painting requirements.
 Cleaning and Painting Steel Bridge No. 1 shall include the beam ends, bearings, and end diaphragms.
 The area of steel to be painted is approximately 850 square feet.
 Existing plan of structural steel is shown on Sheet 19 of 19.

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Kaskaskia
 Engineering Group, LLC
 1127 N. 1st St.
 Mokena, IL 60449
 (815) 481-1111
 www.kaskaskiaeng.com

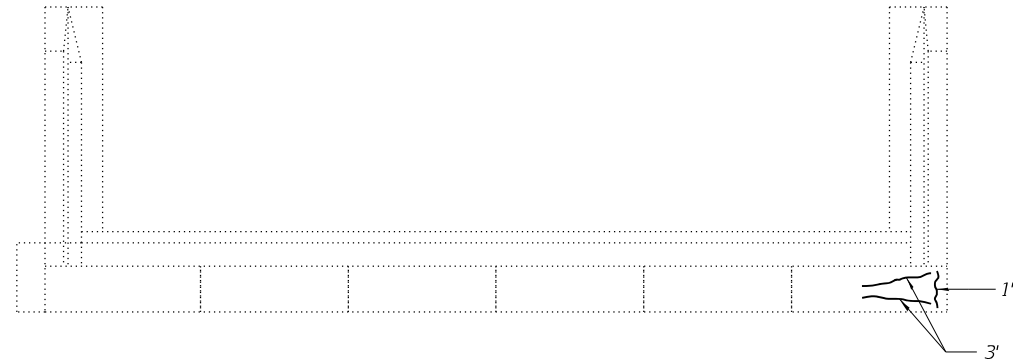
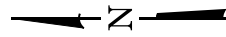
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

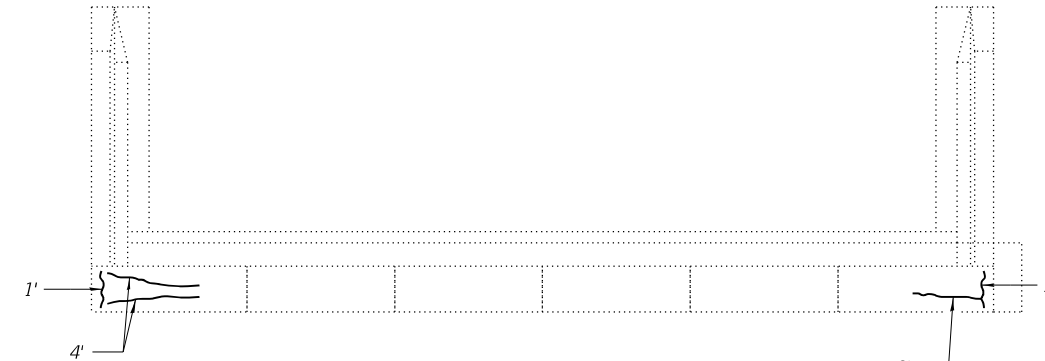
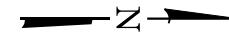
EXISTING STEEL CLEANING & PAINTING DETAILS
 STRUCTURE NO. 052-0031

SHEET 15 OF 19 SHEETS

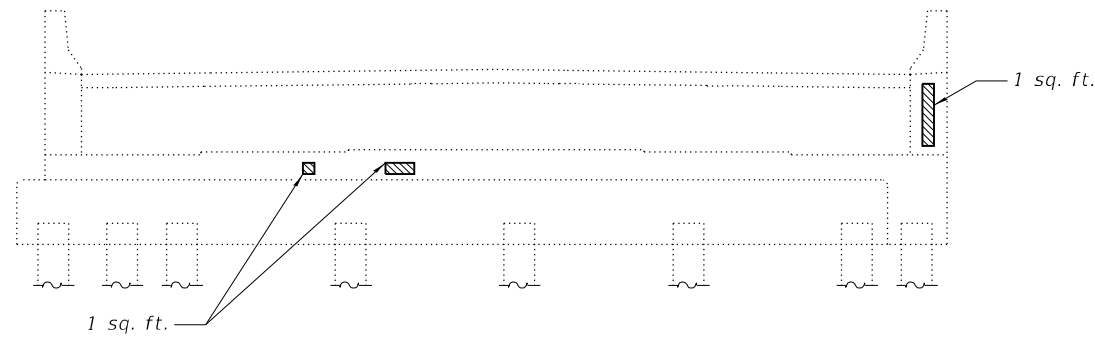
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CONTRACT NO. 64R54			ILLINOIS FED. AID PROJECT	



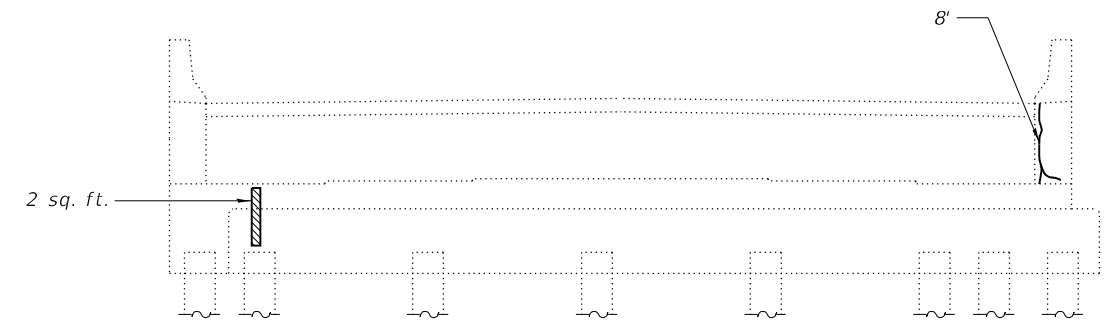
PLAN OF EAST ABUTMENT



PLAN OF WEST ABUTMENT



ELEVATION OF EAST ABUTMENT



ELEVATION OF WEST ABUTMENT

LEGEND

- Epoxy Crack Injection
- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)

BILL OF MATERIAL

Item	Unit	Total
Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	20
Epoxy Crack Injection	Foot	28

* Location and extents of substructure repair shall be as directed by the Engineer.

MODEL: Default
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Kaskaskia
Engineering Group, LLC
Professional Engineering Firm
11700 N. 11th St.
Moline, IL 61704
617-331-8877
www.kaskaskiaeng.com

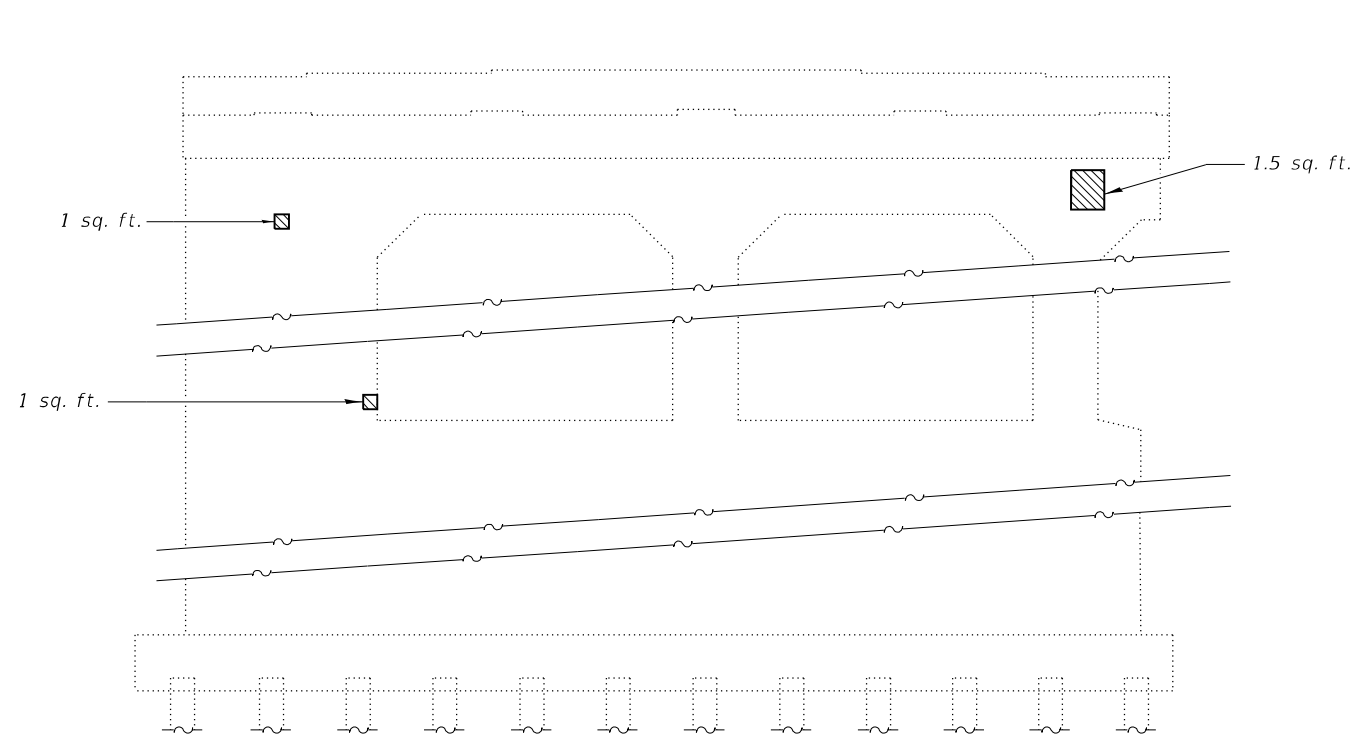
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

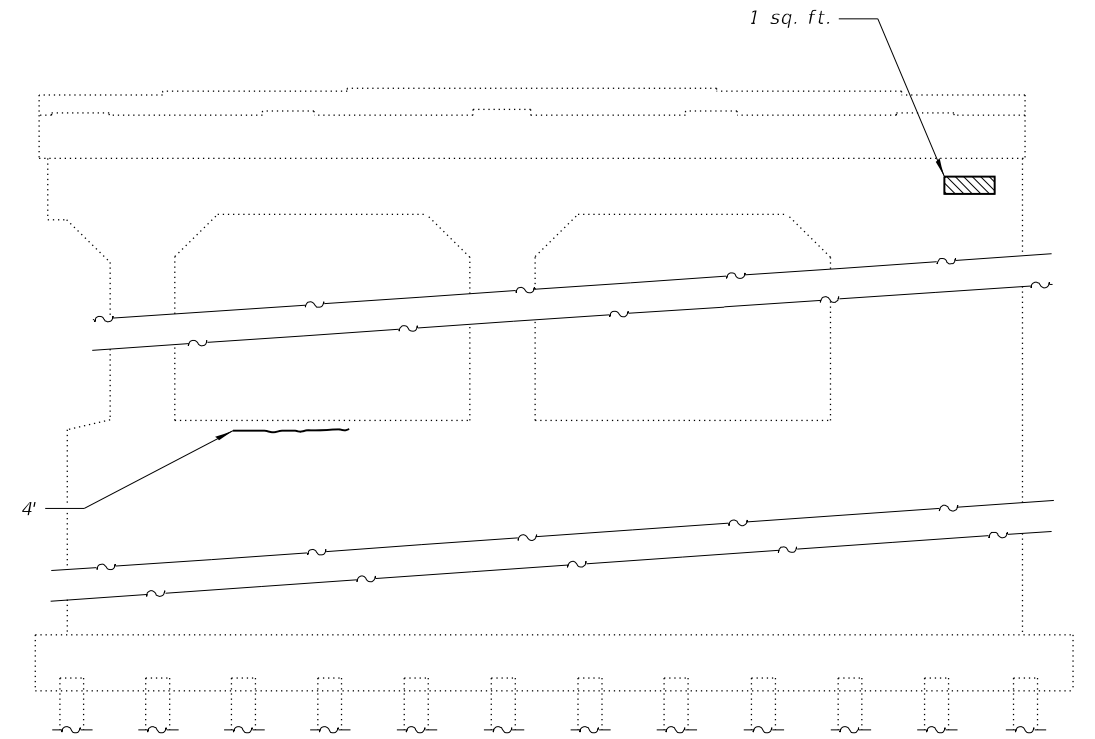
**ABUTMENT REPAIRS
STRUCTURE NO. 052-0031**

SHEET 16 OF 19 SHEETS

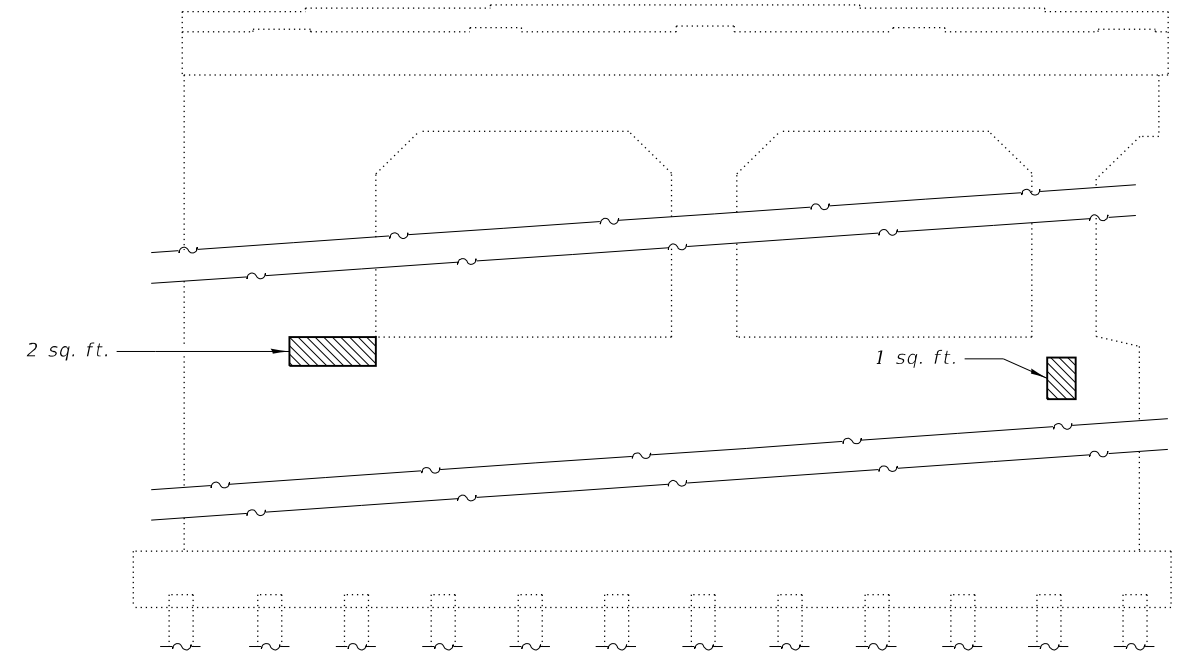
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573	(111 VBR)BDR	LEE	39	28
			CONTRACT NO. 64R54	
		ILLINOIS	FED. AID PROJECT	



PIER 1 WEST ELEVATION



PIER 2 EAST ELEVATION



PIER 2 WEST ELEVATION

LEGEND

- Epoxy Crack Injection
- Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)

BILL OF MATERIAL

Item	Unit	Total
* Structural Repair of Concrete (Depth Equal to or Less Than 5 Inches)	Sq. Ft.	30
Epoxy Crack Injection	Foot	4

* Location and extents of substructure repair shall be as directed by the Engineer.

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Kaskaskia
Engineering Group, LLC
Professional Engineering Group
1127 N. Main St., Suite 100
Bella Vista, Illinois 62226
618.555.8877 (phone)
618.555.8877 (fax)
www.kaskaskiaeng.com
11/27/2019
11/27/2019
20-088556

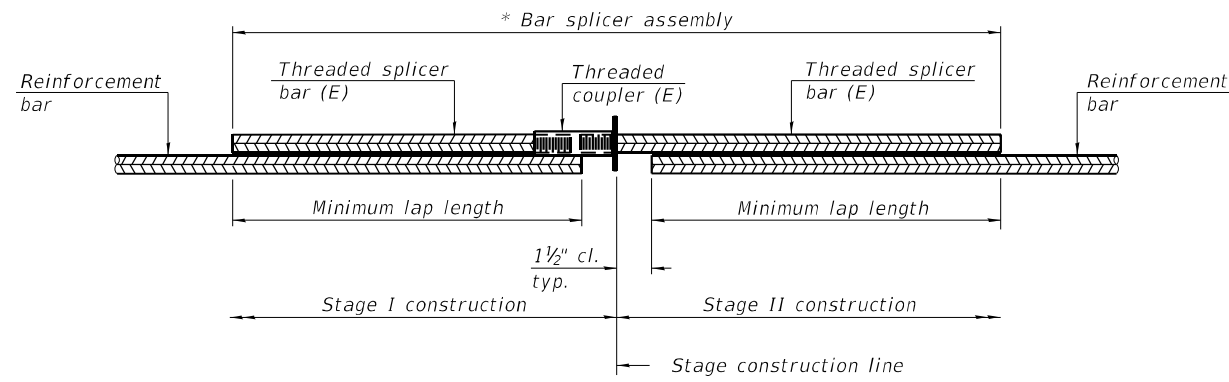
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PIER REPAIRS
STRUCTURE NO. 052-0031**

SHEET 17 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64R54				
		ILLINOIS	FED. AID PROJECT	

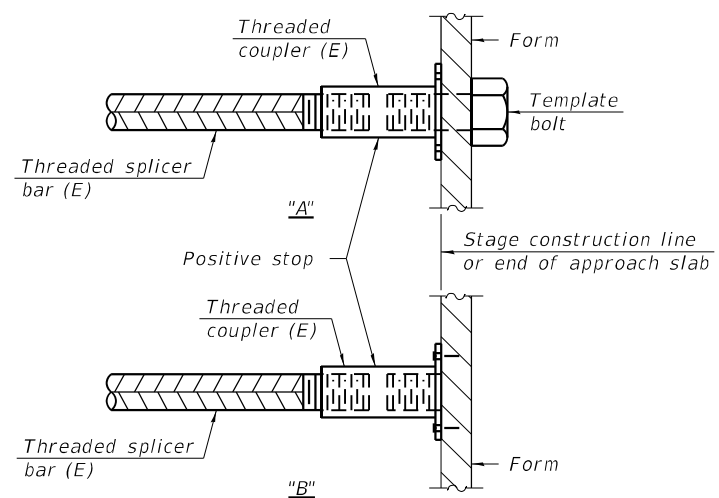


STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

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

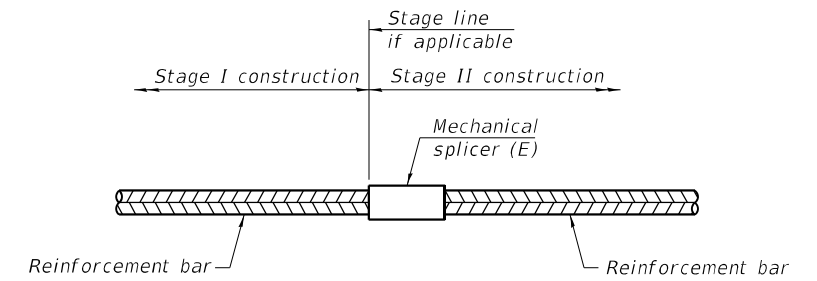
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
East Abutment	#6	4	4'-0"
West Abutment	#6	4	4'-0"
Deck	#5	20	3'-6"



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.

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BSD-1

1-1-2020



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

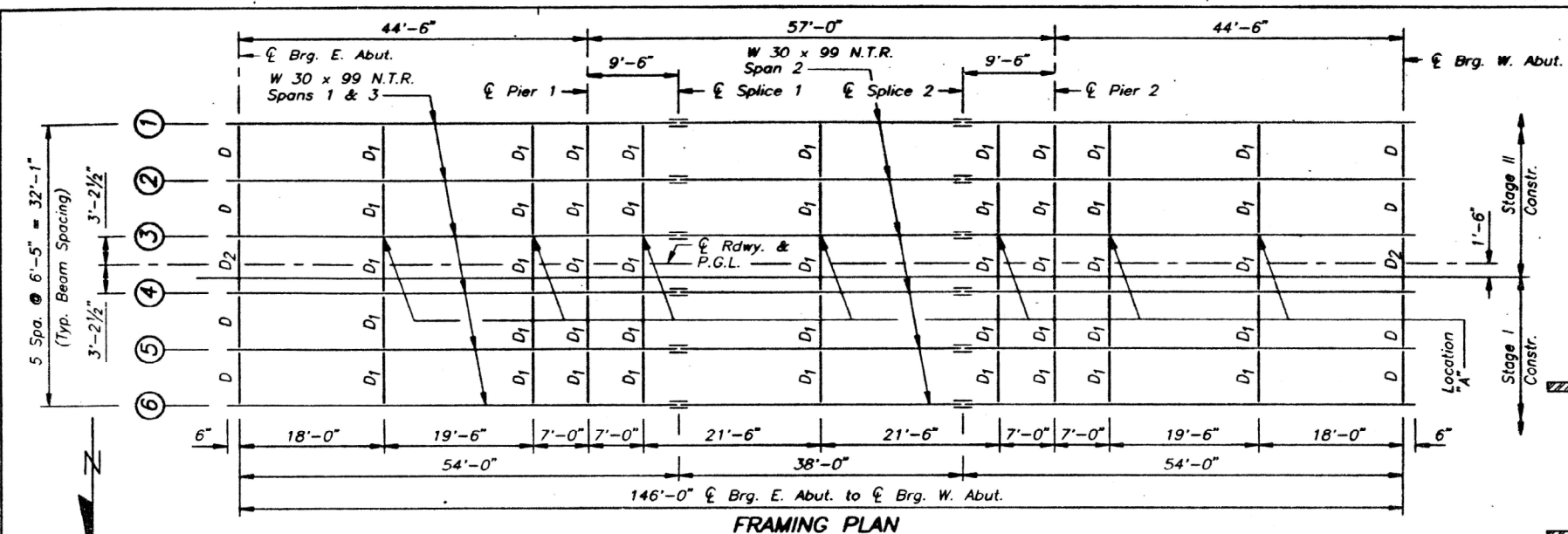
BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 052-0031

SHEET 18 OF 19 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				

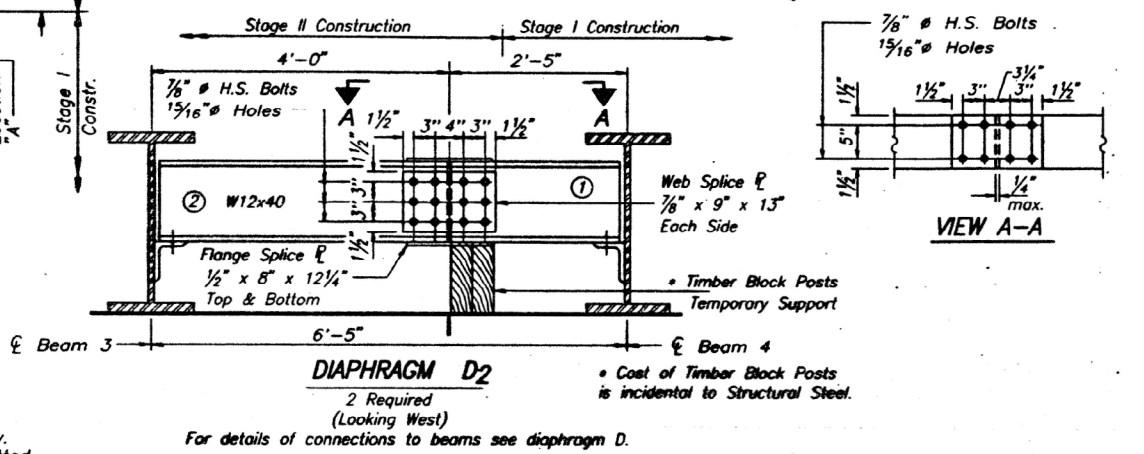
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20 SHEETS

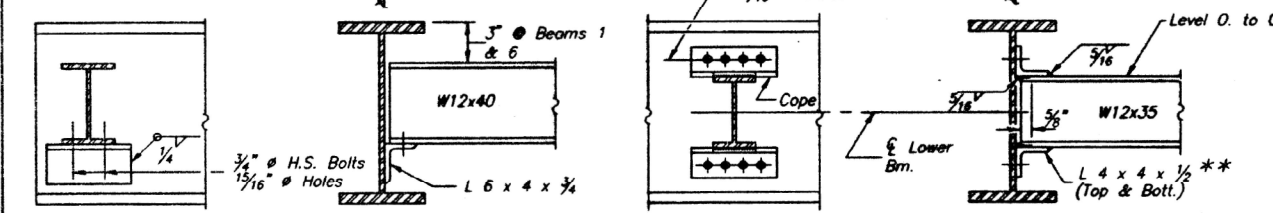


DIAPHRAGM D2 CONSTRUCTION SEQUENCE

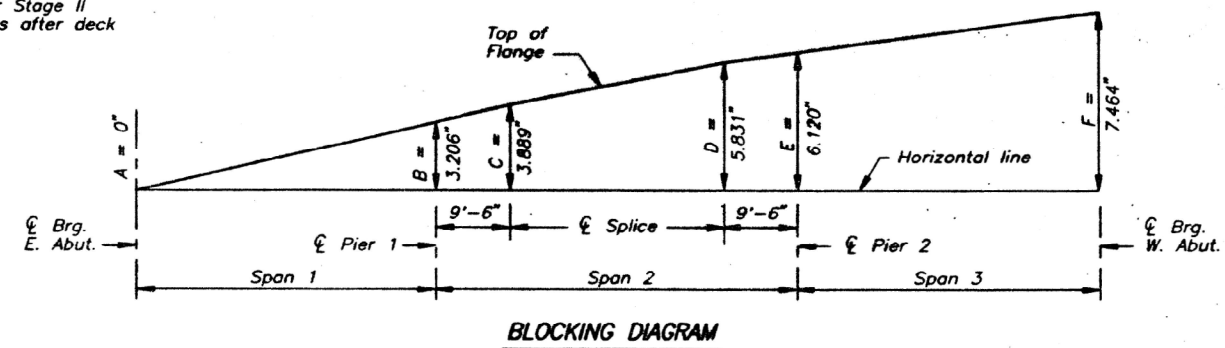
- 1.) Order diaphragm D2 in two lengths as shown.
- 2.) Attach section ① of Diaphragm to Beam 4 and top flange splice ℓ during Stage I Construction.
- 3.) Place Timber Block Posts between section ① of diaphragm and abutment bearing seat.
- 4.) Attach section ② of diaphragm to both Beam 3 and section ① of diaphragm during Stage II Construction.
- 5.) Attach all remaining splice plates to sections ① and ② of diaphragms.
- 6.) Remove Timber Block Posts.



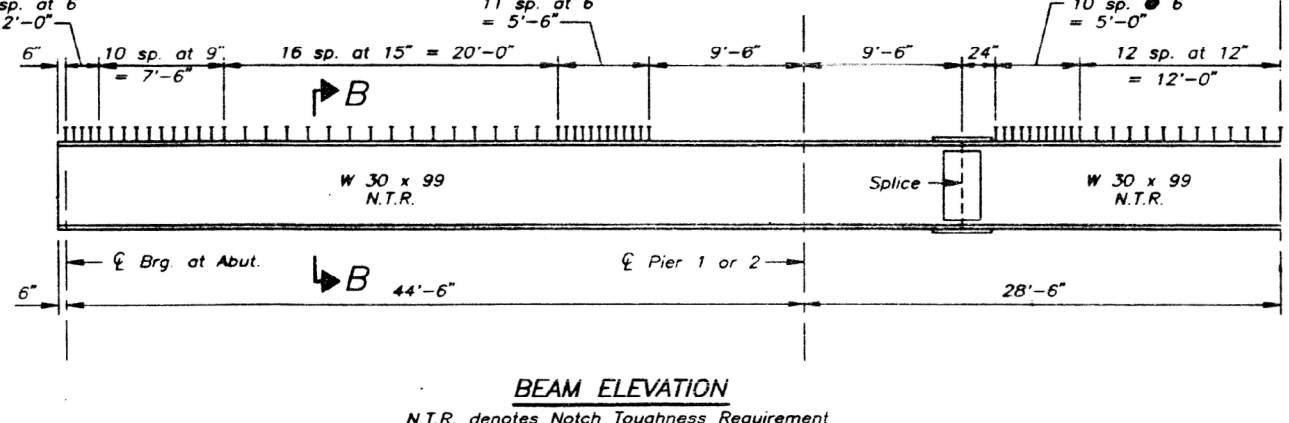
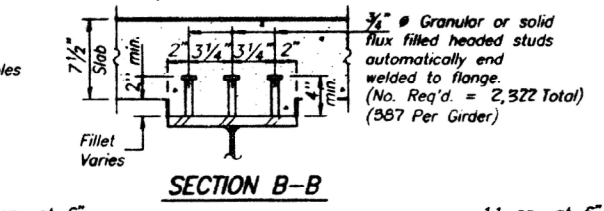
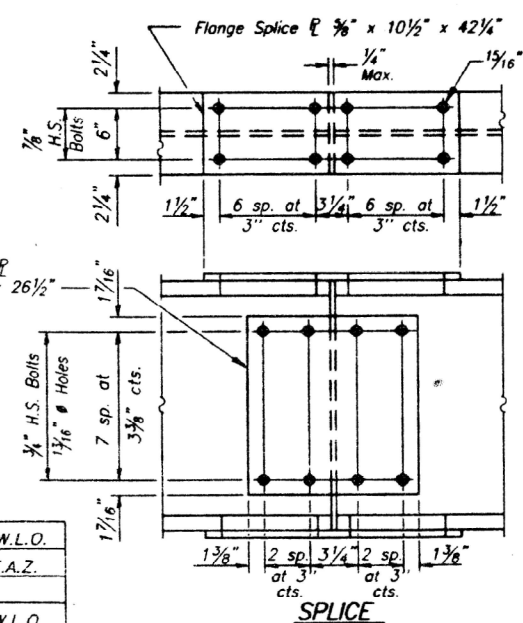
Note: Two hardened washers shall be required over all 1 5/16" Holes. All contact surfaces of joints shall be free of paint or lacquer.



** Use 1 7/16" x 1 1/2" slotted holes in L 4 x 4 x 1/2 at Location "A" only. Provide 3/16" plate washers for slotted holes. Bolts shall be finger tightened prior to the deck pour for Stage II Construction. Tighten bolts after deck is poured.



Note: See sheet 3 of 20 for Beam Stress Table and Top of Beam Flange Elevations.



DESIGNED	W.L.O.
CHECKED	T.A.Z.
DRAWN	T.L.
CHECKED	W.L.O.

STRUCTURAL STEEL
F.A. ROUTE 573 (U.S. ROUTE 30) OVER
C & NW RR
SECTION 111VBR LEE COUNTY
STA. 1446+48.00
STRUCTURE NO. SN 052-0031

FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING PLANS
STRUCTURE NO. 052-0031

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64R54				

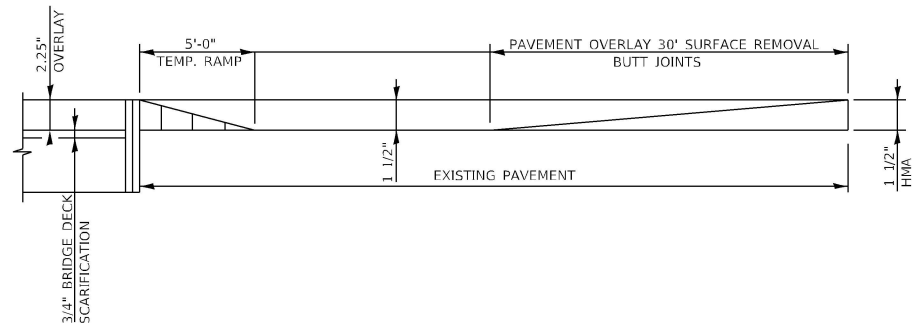
SHEET 19 OF 19 SHEETS

ILLINOIS FED. AID PROJECT

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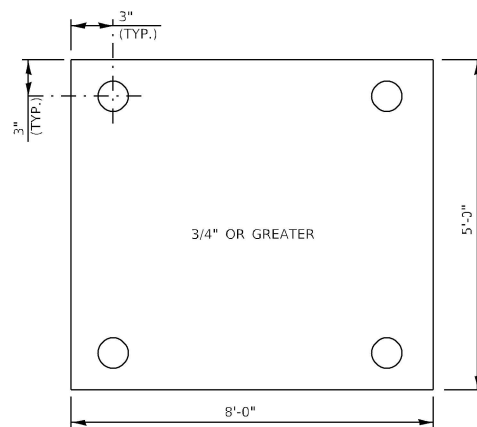
Kaskaskia
Engineering Group, LLC
Professional Engineering Group

USER NAME =	DESIGNED - MLC	REVISED -
PLOT SCALE =	CHECKED - JW	REVISED -
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PAVEMENT OVERLAY AND TEMPORARY RAMP DETAIL

NOT TO SCALE

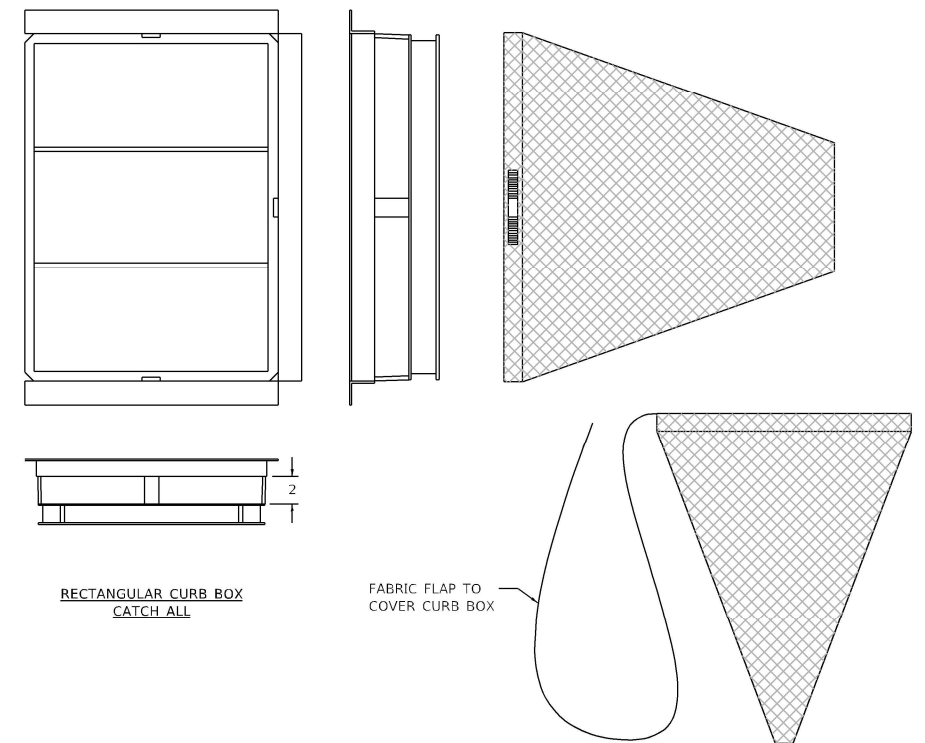


STEEL PLATE DETAIL

N.T.S.

STEEL PLATE NOTES:

1. DURING MOT STAGE 1, THE APPROACH DRAIN AT THE CORNERS OF THE BRIDGES NEED TO BE PROTECTED WITH 3/4" (MIN.) STEEL PLATE ANCHORED WITH 4 ANCHOR BOLTS INTO THE PAVEMENT.
2. THE EDGES OF THE STEEL PLATE SHALL BE TAPERED WITH HMA TO AVOID BUMP FOR TRAFFIC.



RECTANGULAR CURB BOX CATCH ALL

FABRIC FLAP TO COVER CURB BOX

INLET FILTER NOTES:

FRAME: TOP FLANGE FABRICATED FROM 1 1/2"x1 1/4"x1/8" ANGLE. BASE RIM FABRICATED FROM 1 1/2"x1/2"x1/8" CHANNEL. HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1 1/4"x1/2" FLAT STOCK. ALL STEEL CONFORMING TO ASTM-A36.

SEDIMENT BAG: BAG FABRICATED FROM 4 OZ./SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL BAND AND LOCK.

INLET FILTER DETAIL

N.T.S.

MODEL Default
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Kaskaskia
Engineering Group, P.C.
Professional Engineering Group

200 E. Main St., Suite 100
Bellaire, Illinois 62220
618-252-2877 (Phone)
618-252-2877 (Fax)
www.kaskaskiaeng.com

1/12/2022
618-252-2877
20-088248

USER NAME = jheimer	DESIGNED -	REVISED -
PLOT SCALE = 1.9999' / in.	DRAWN -	REVISED -
PLOT DATE = 10/12/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DETAILS
US 30 OVER UPRR**

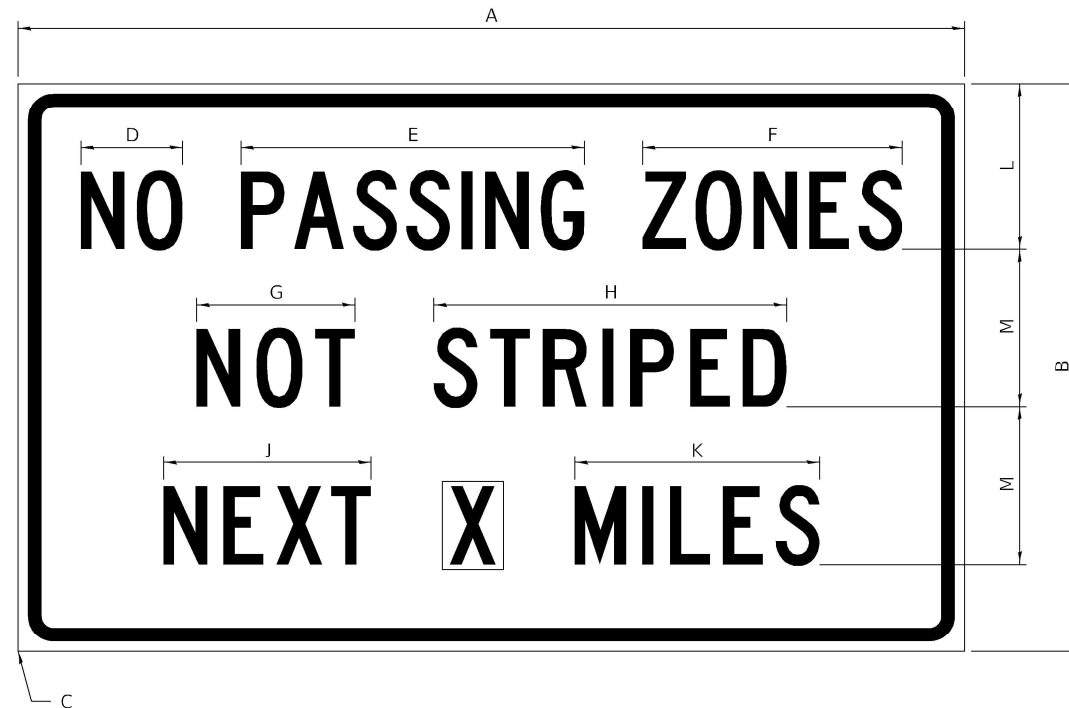
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F.A. RTE. 573	SECTION (111-VBR)BDR	COUNTY LEE	TOTAL SHEETS 39	SHEET NO. 32
CONTRACT NO. 64R54				
ILLINOIS FED. AID PROJECT				

Long Section Number

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



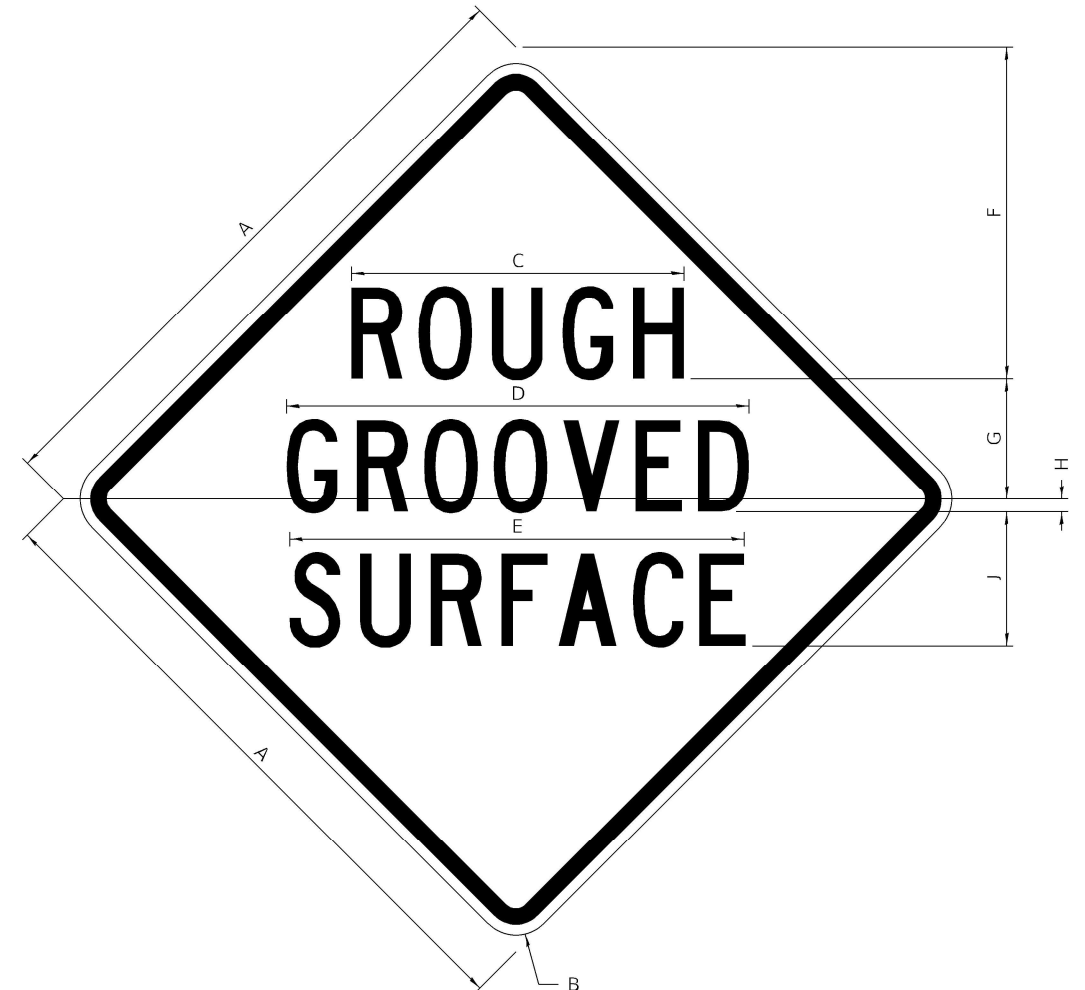
COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

SIGN SIZE	DIMENSIONS											
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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								
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SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
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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
US 30 OVER UPRR**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	33
CONTRACT NO. 64R54				

SCALE: SHEET OF SHEETS STA. TO STA.

Long Section Number

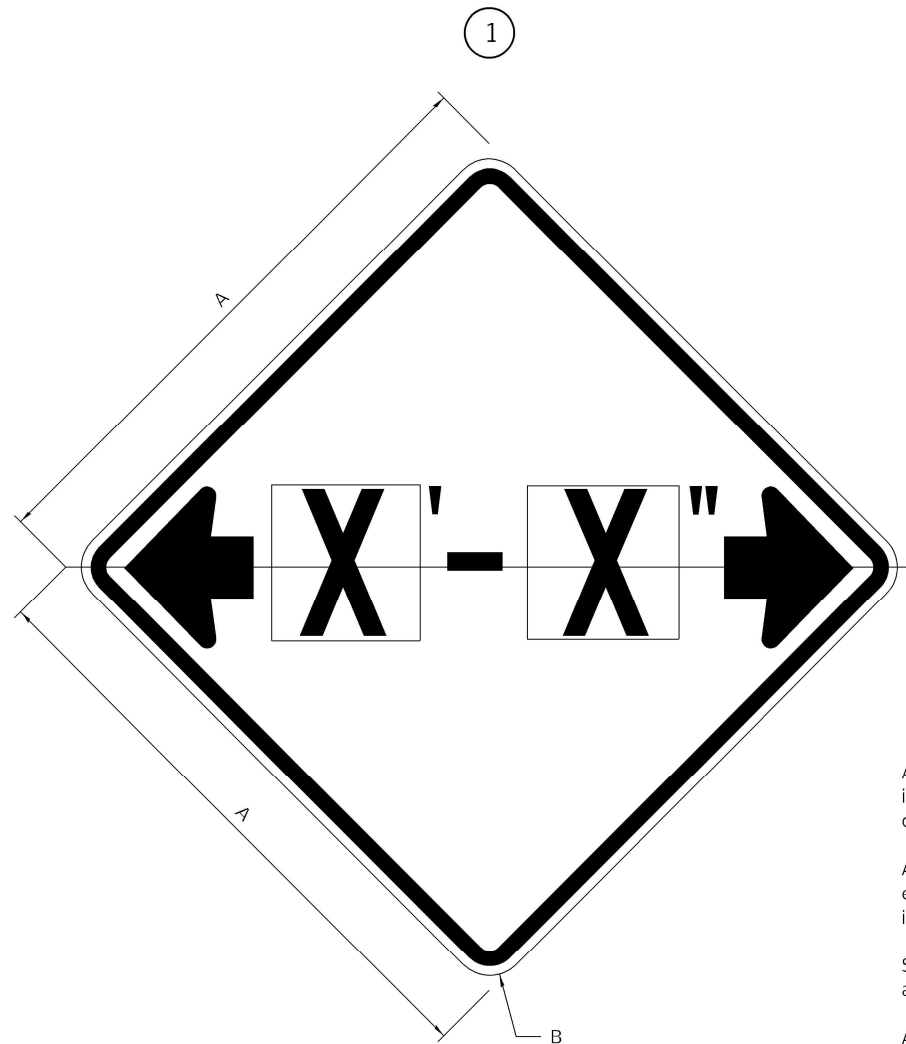
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Kaskaskia
Engineering Group, P.C.
Professional Engineering Group

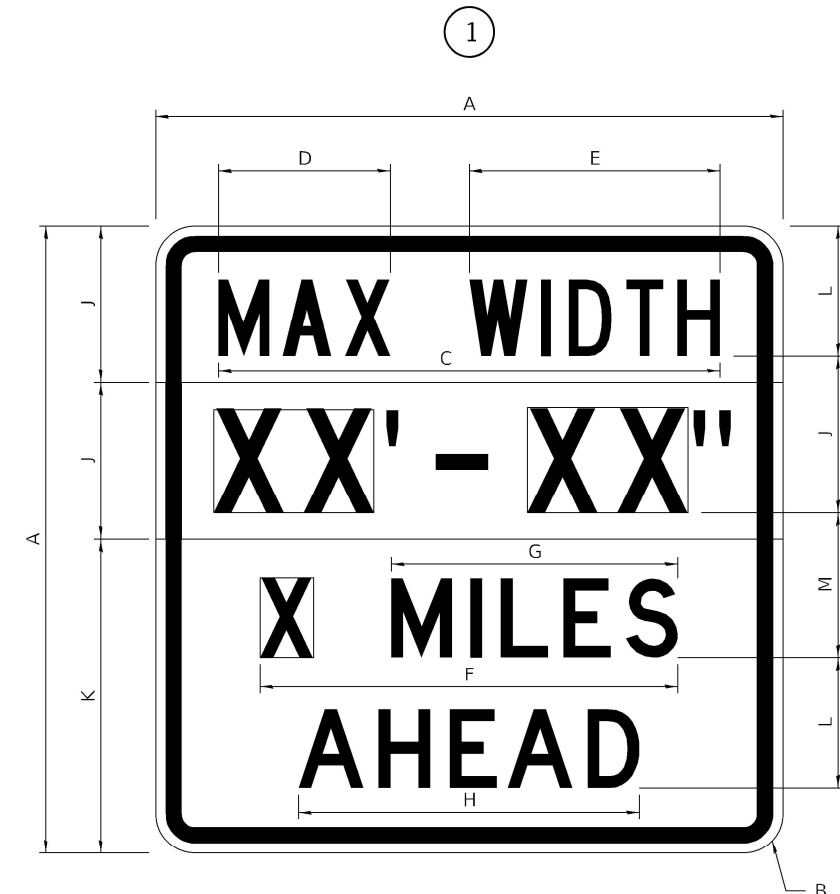
USER NAME = jheimer	DESIGNED -	REVISED -
PLOT SCALE = 19.9992' / in.	DRAWN -	REVISED -
PLOT DATE = 10/12/2022	CHECKED -	REVISED -
	DATE -	REVISED -

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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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 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

MODEL: D:\p1\1003-03 W03 Bridge Rehab\10_IDOT\CAD_Sheets\10052-0031\64R54-1h-D2\sheet1-34.1.dgn



USER NAME = jheimer	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/12/2022	CHECKED -	REVISED -
	DATE -	REVISED -

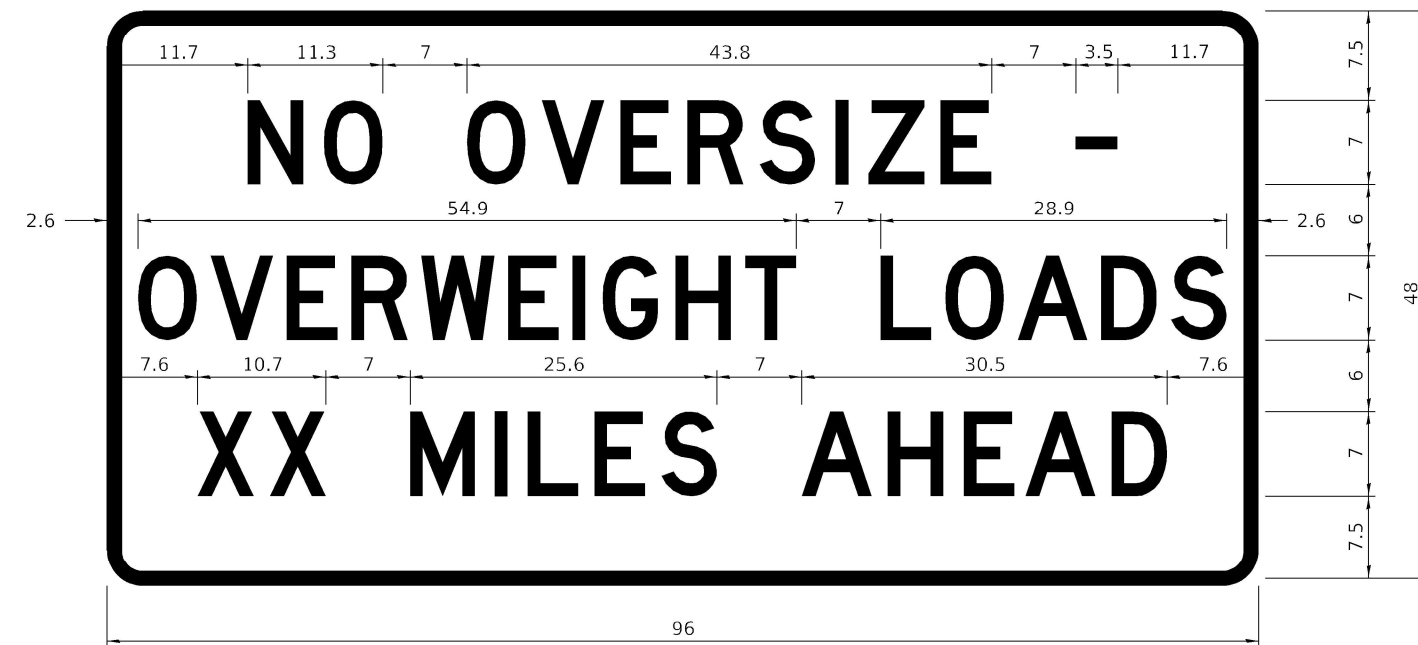
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REGION 2 / DISTRICT 2 STANDARD
US 30 OVER UPRR**

F.A. RTE. 573	SECTION (111-VBR)BDR	COUNTY LEE	TOTAL SHEETS 39	SHEET NO. 34
CONTRACT NO. 64R54				

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

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

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

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 not to scale

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

GENERAL NOTES

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MODEL Default: P:\23-1005-03 W03 Bridge Rehab\0_DTD\CAD_Sheets\MS2-0031\64R54-1h-D2\sheet1-34.1.dgn



USER NAME = jheimer	DESIGNED -	REVISED -
DRAWN -	REVISED -	
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/12/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD
US 30 OVER UPRR

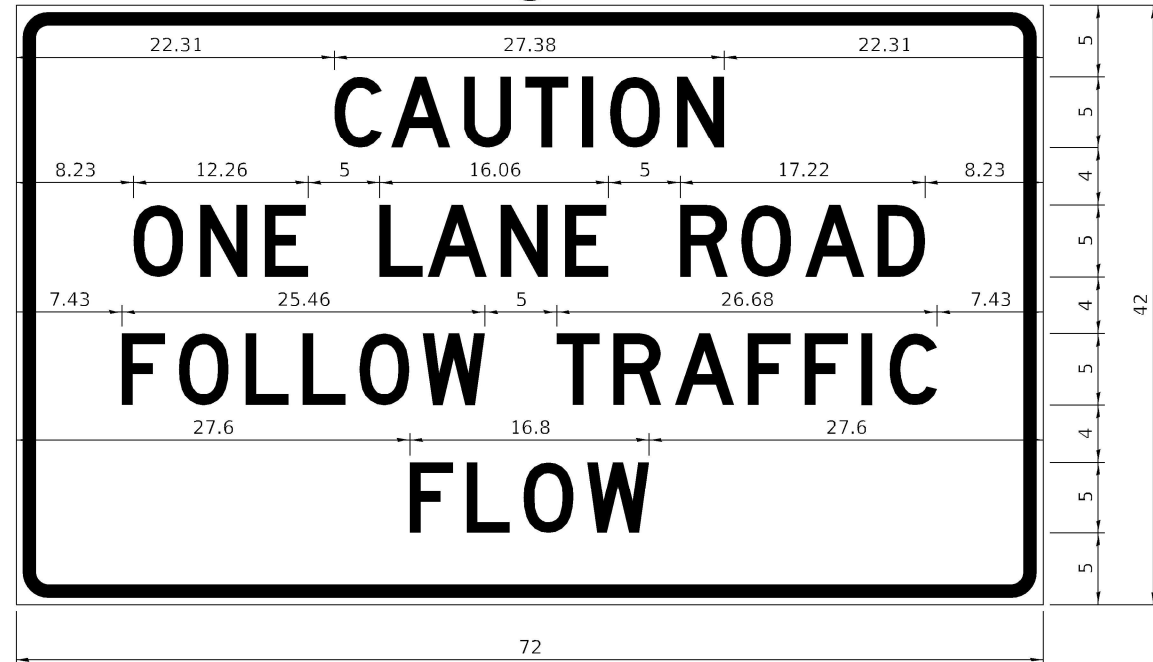
SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	35
CONTRACT NO. 64R54				

ILLINOIS FED. AID PROJECT
Long Section Number

**ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS**

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	0.62	A	0.94	U	0.94	T	0.94	I	1.17	O	1.17	N	3.36	22.31
-------	---	------	---	------	---	------	---	------	---	------	---	------	---	------	-------

8.23	O	1.17	N	1.18	E
------	---	------	---	------	---

5.00	L	0.31	A	0.94	N	1.17	E
------	---	------	---	------	---	------	---

5.00	R	0.93	O	0.94	A	0.93	D	8.23
------	---	------	---	------	---	------	---	------

7.43	F	0.94	O	1.17	L	0.94	L	0.94	O	0.94	W	4.37
------	---	------	---	------	---	------	---	------	---	------	---	------

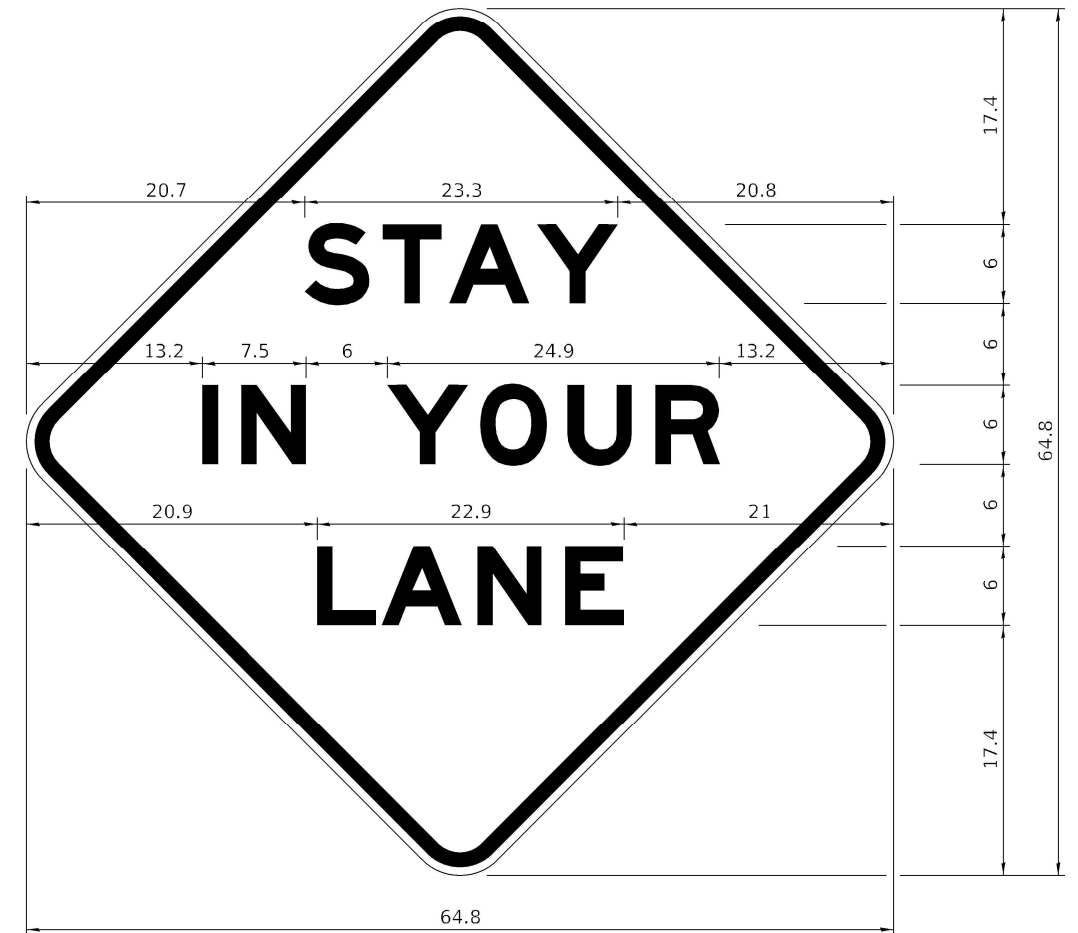
5.00	T	0.94	R	0.94	A	0.93	F	0.94	F	0.94	I	1.18	C	7.43
------	---	------	---	------	---	------	---	------	---	------	---	------	---	------

27.60	F	0.94	L	0.94	O	0.93	W	27.60
-------	---	------	---	------	---	------	---	-------

Sign not to scale

WORK ZONE SIGN DETAILS

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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All dimensions are in inches unless otherwise noted.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**REGION 2 / DISTRICT 2 STANDARD
US 30 OVER UPRR**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	36
CONTRACT NO. 64R54				

SCALE: SHEET OF SHEETS STA. TO STA.

Long Section Number

MODEL: D:\p\11\2022\1005\03 W03 Bridge Rehab\10_IDDOTCAD_Sheets\10052-0031\64R54-11-D2\sheet1-34.1.dgn
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USER NAME = jheimer
DESIGNED -
DRAWN -
CHECKED -
DATE -
PLOT SCALE = 20.0000' / in.
PLOT DATE = 10/12/2022

REVISED -
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REVISED -

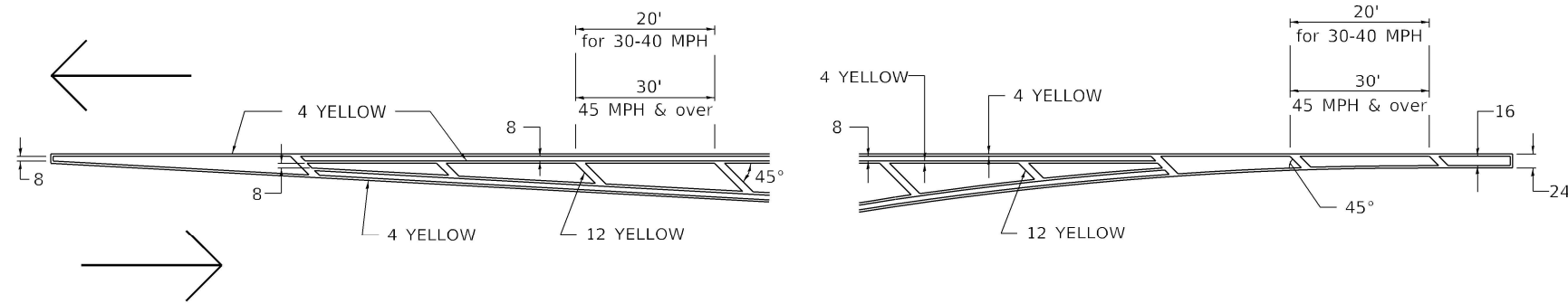
SCALE: SHEET OF SHEETS STA. TO STA.

SCALE: SHEET OF SHEETS STA. TO STA.

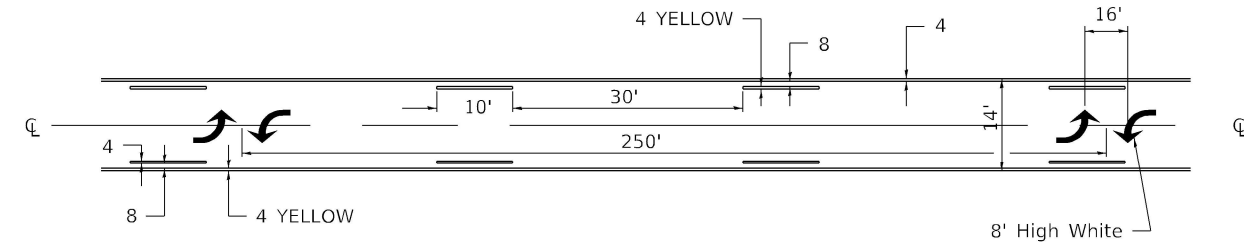
ILLINOIS FED. AID PROJECT

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

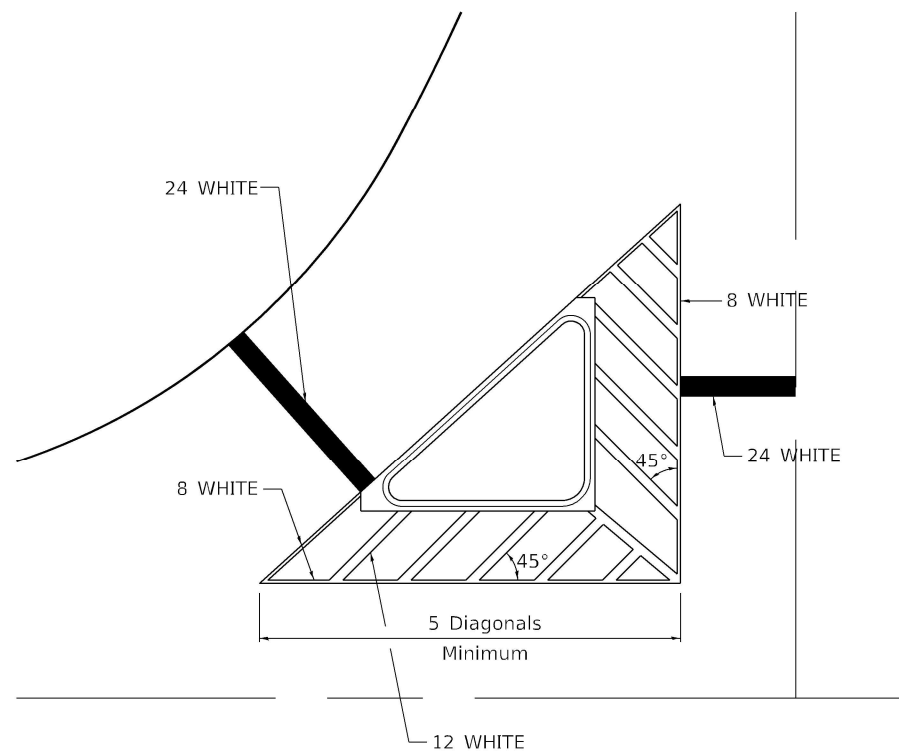


MEDIAN PAVEMENT MARKING



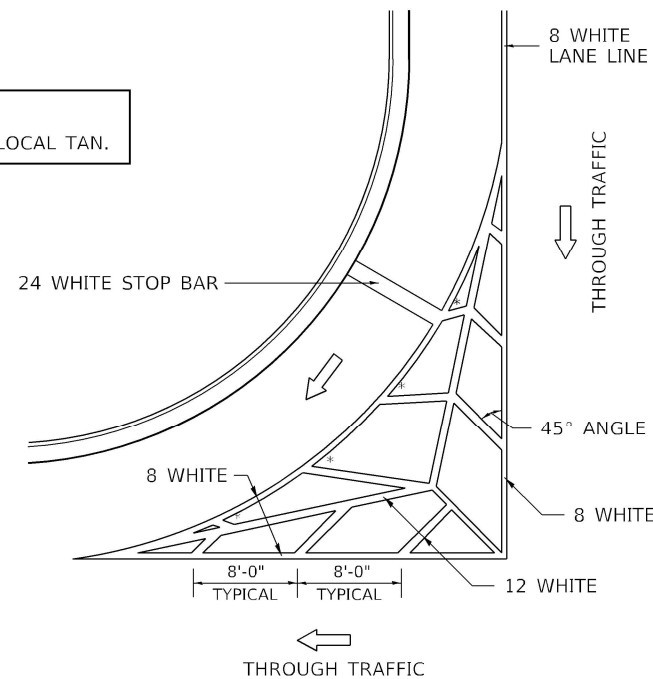
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



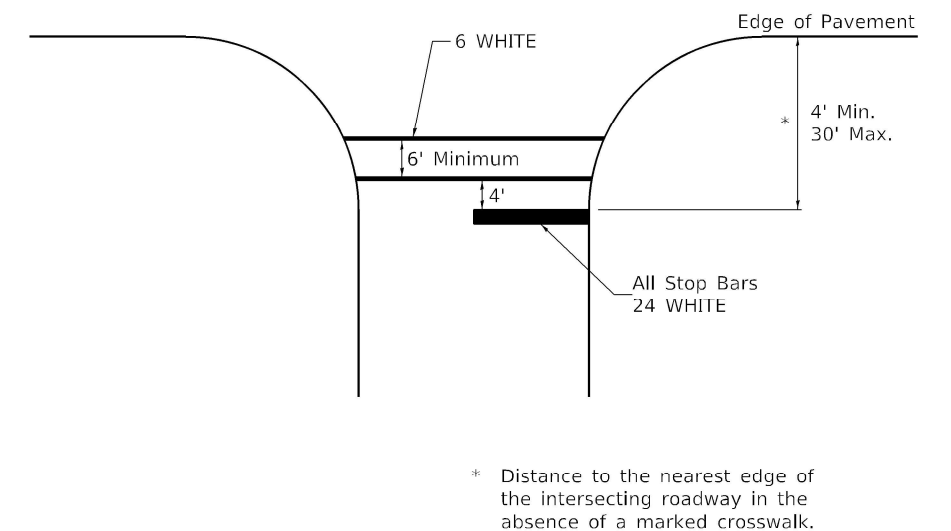
TYPICAL MARKING FOR PAINTED ISLANDS

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: Default
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USER NAME = jheimer
DESIGNED -
DRAWN -
PLOT SCALE = 20.0000' / in.
PLOT DATE = 10/12/2022

REVISOR -
REVISION -
CHECKED -
DATE -

DESIGNED -
REVISOR -
REVISION -
CHECKED -
DATE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

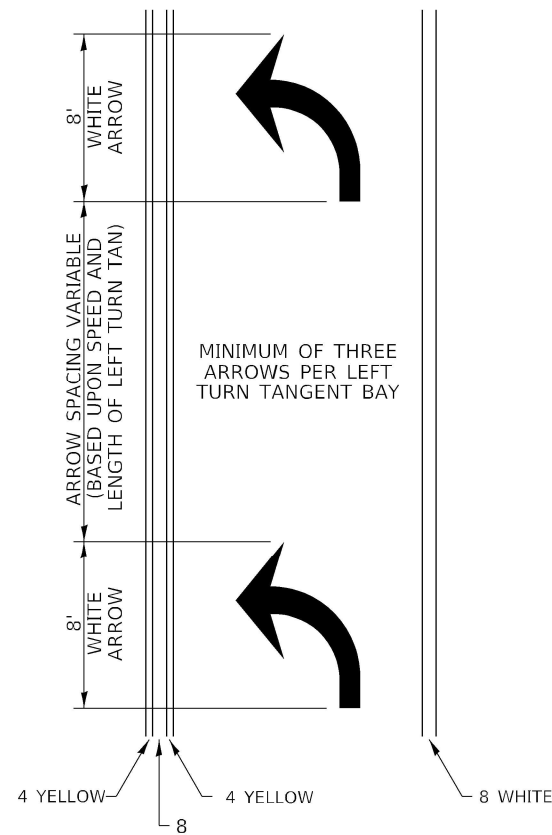
REGION 2 / DISTRICT 2 STANDARD
US 30 OVER UPRR

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	37
CONTRACT NO. 64R54				

TYPICAL PAVEMENT MARKINGS

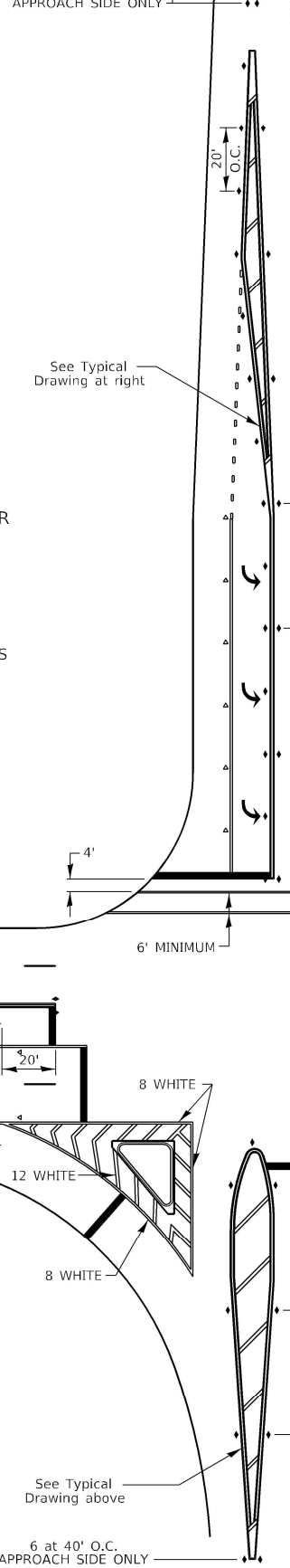
ARROW LAYOUT



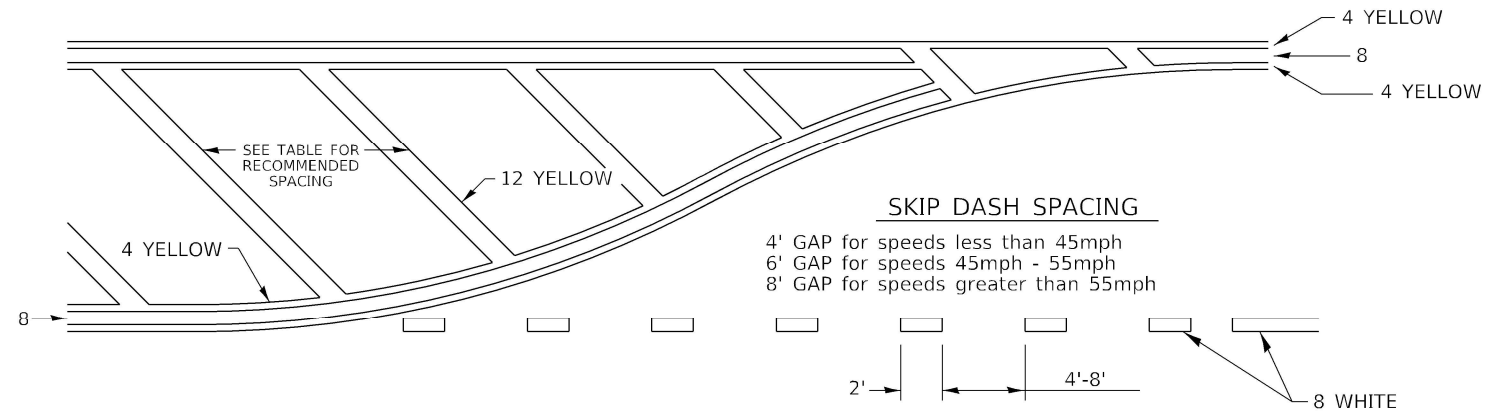
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

6 at 40' O.C. APPROACH SIDE ONLY



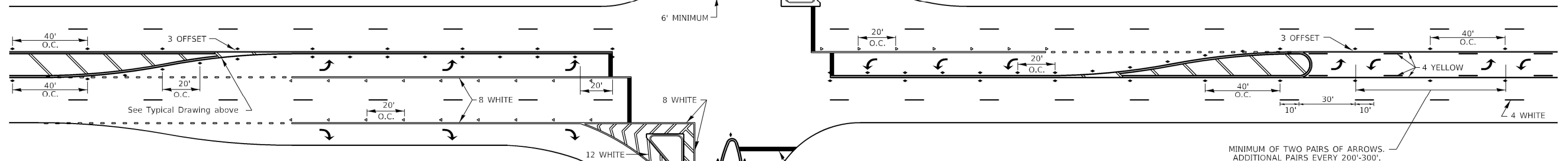
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



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.



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD
US 30 OVER UPRR

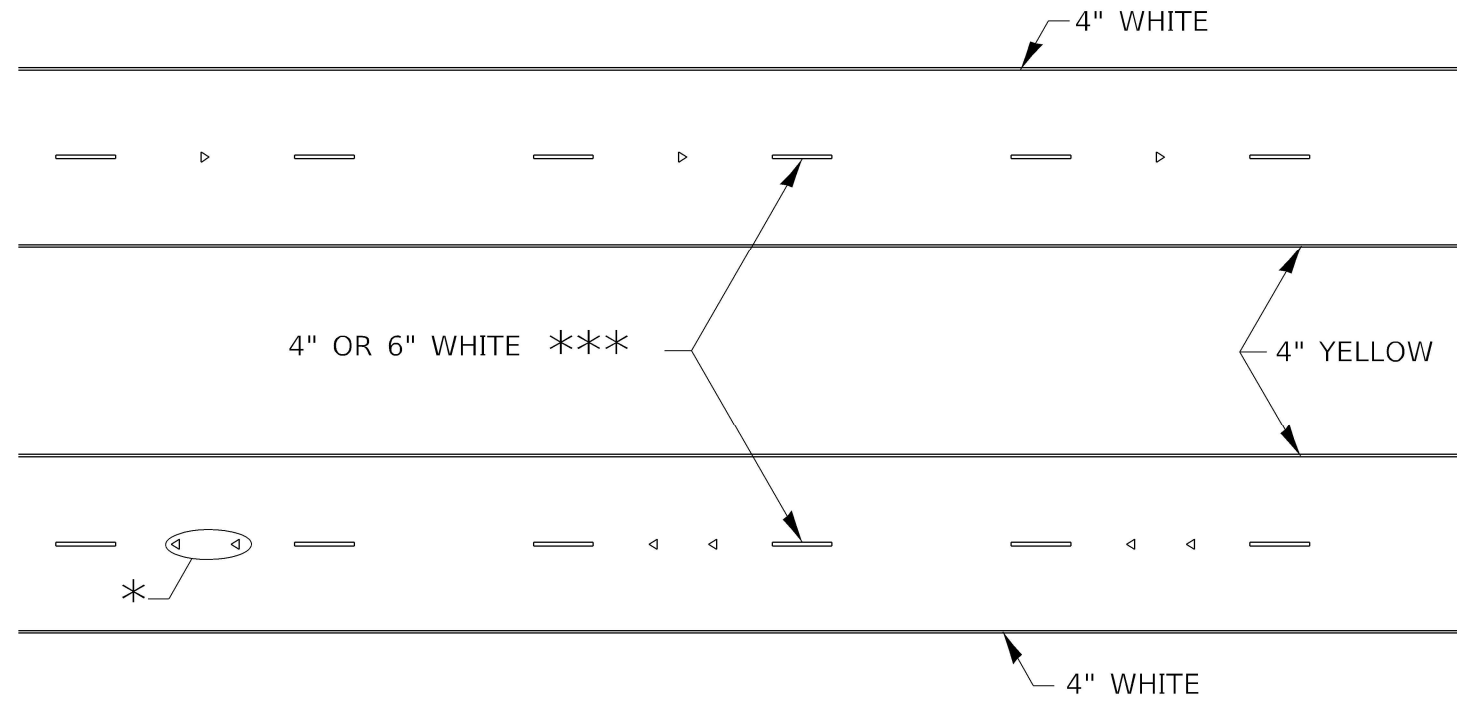
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	38
CONTRACT NO. 64R54				

Kaskaskia
Engineering Group, LLC
Professional Engineering Group

USER NAME = jheimer	DESIGNED -	REVISED -
PLOT SCALE = 20.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/12/2022	CHECKED -	REVISED -
	DATE -	REVISED -

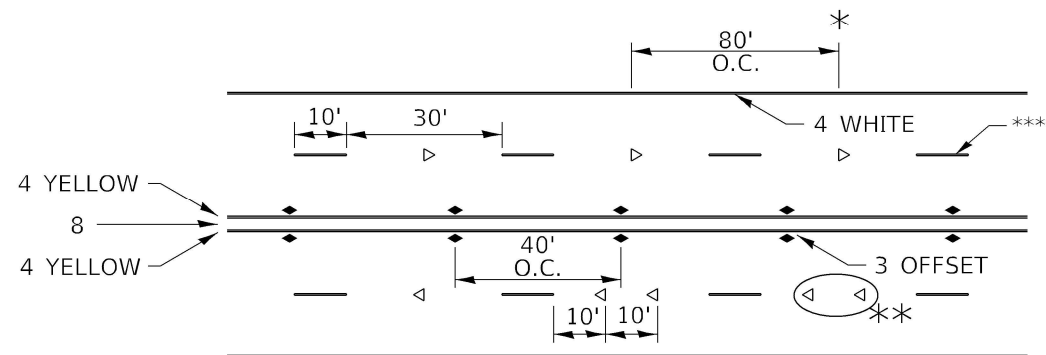
MODEL Default: FILE NAME: P:\23-1005-03 W03 Bridge Rehab\0_DTD\CAD_Sheets\N052-0031\64R54-1h-D2\sheet41.1.dgn

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.

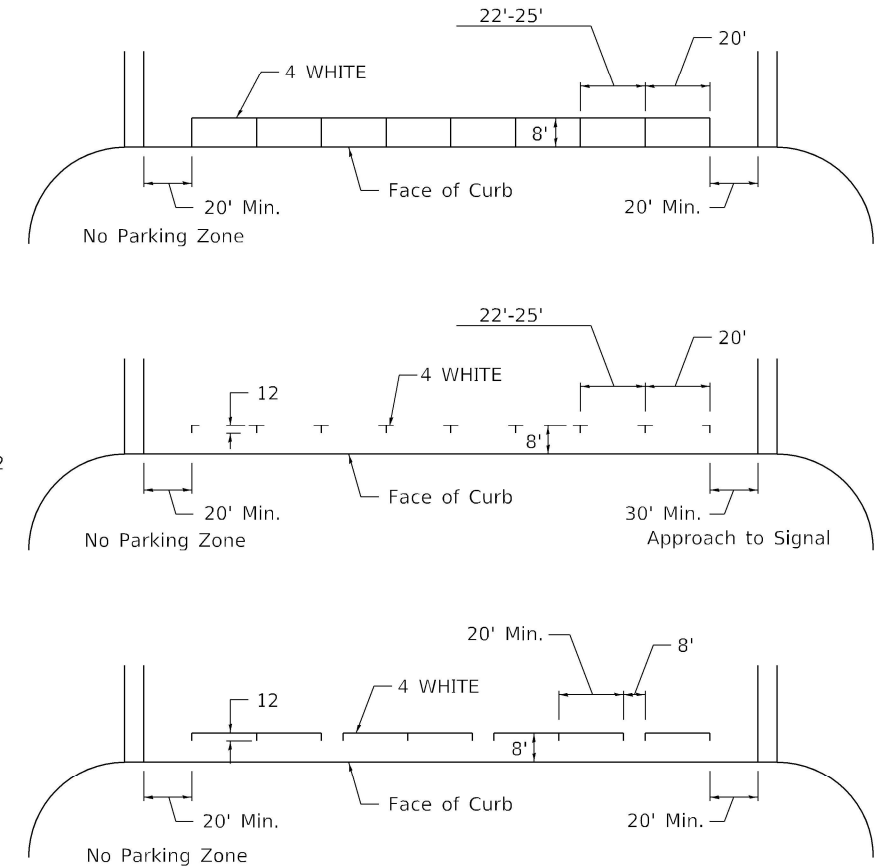
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

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

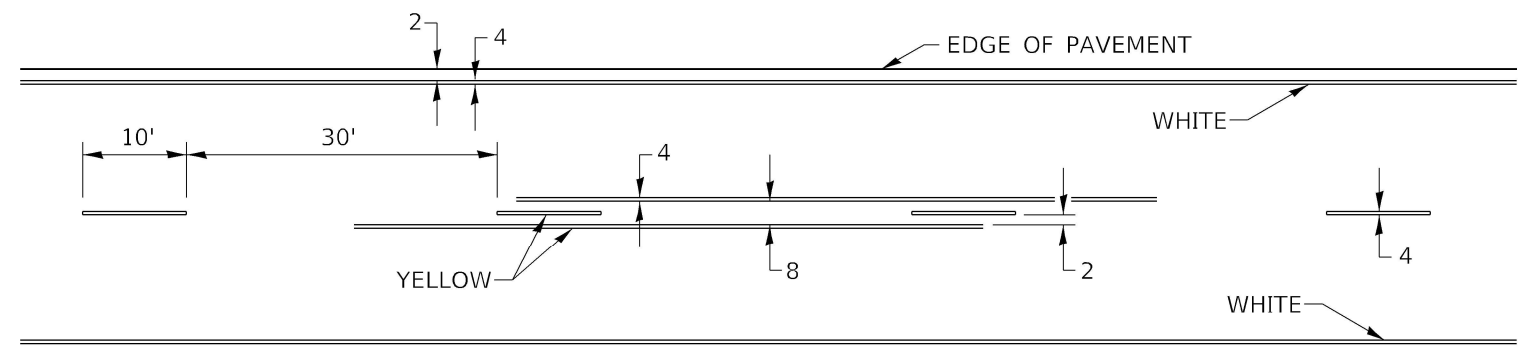
MULTI-LANE / UNDIVIDED & ONE WAY

(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



SYMBOLS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD
US 30 OVER UPRR

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
573	(111-VBR)BDR	LEE	39	39
CONTRACT NO. 64R54				

SCALE: SHEET OF SHEETS STA. TO STA.