

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	(40VBR)BDR	HENRY	35	1
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

ANY SHEET AFTER THIS THAT REFERS TO FAP OR 40VBR SHOULD READ FAU AND (40VBR)BDR.

D-92-056-20



LOCATION OF SECTION INDICATED THUS: - [Symbol]

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.U. 5789 (US 6) OVER B.N. RR & T.R. 38
SECTION (40VBR)BDR

PROJECT: STP-RVET(973)
BRIDGE REPAIR
HENRY COUNTY

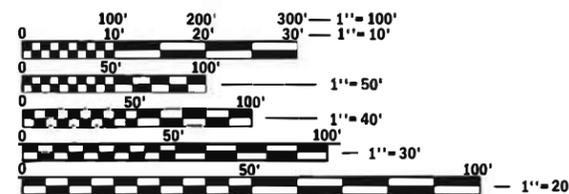
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DESIGN DESIGNATIONS

MINOR ARTERIAL
CURRENT ADT: 5,250 (2019)
DESIGN SPEED: 55 MPH
POSTED SPEED: 55 MPH
TRUCK = 8%



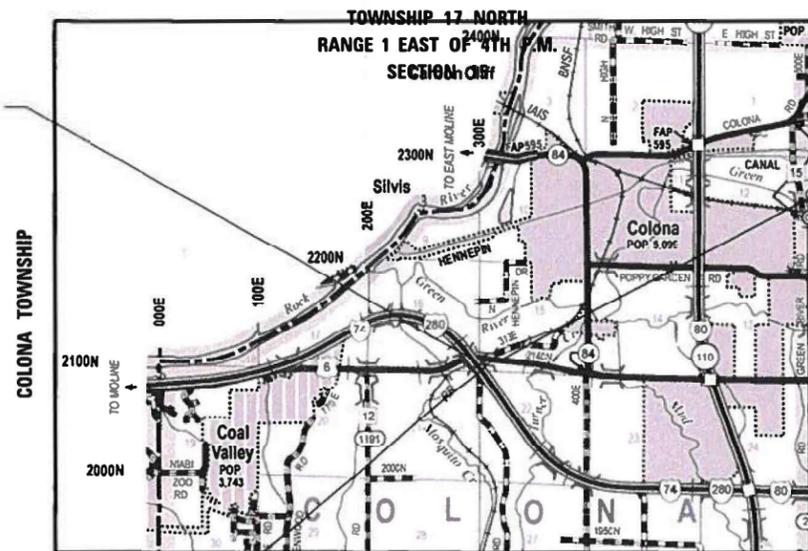
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER MICHAEL A. HIELSBERG, P.E.
PROJECT MANAGER MAHMOUD ETEMADI, P.E.

CONTRACT NO. 64P52

PROJECT BEGINS
STA. 524 + 64.5



MAP NOT TO SCALE

EXISTING STRUCTURE

S.N. 037-0141 A FOUR SPAN STEEL I-BEAM SUPERSTRUCTURE WITH OPEN ABUTMENTS AND MULTICOLUMN PIERS. BACK TO BACK LENGTH IS 392'-0" AND OUT TO OUT WIDTH VARIES FROM 39'-2" TO 48'-2" ON THE EAST END. STRUCTURE SKEW = 40° LEFT AHEAD.

LOCATION MAP

GROSS LENGTH = 727.5 FT. = 0.138 MILE
NET LENGTH = 727.5 FT. = 0.138 MILE



PROJECT ENDS
STA. 531 + 92



DATE: 8-31-2020
EXPIRES 11/30/21

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Oct 14, 2020

Mahmoud Etemadi
REGIONAL ENGINEER

December 4, 2020

Scott A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

December 4, 2020

James J. ...
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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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
610001-09	SHOULDER INLET WITH CURB
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
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
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)
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

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 STRUCTURE WILL RETAIN THE SAME NUMBER: 037-0141.

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-FREWAY 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 LANE AND EDGE LINES

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 UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBER 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.

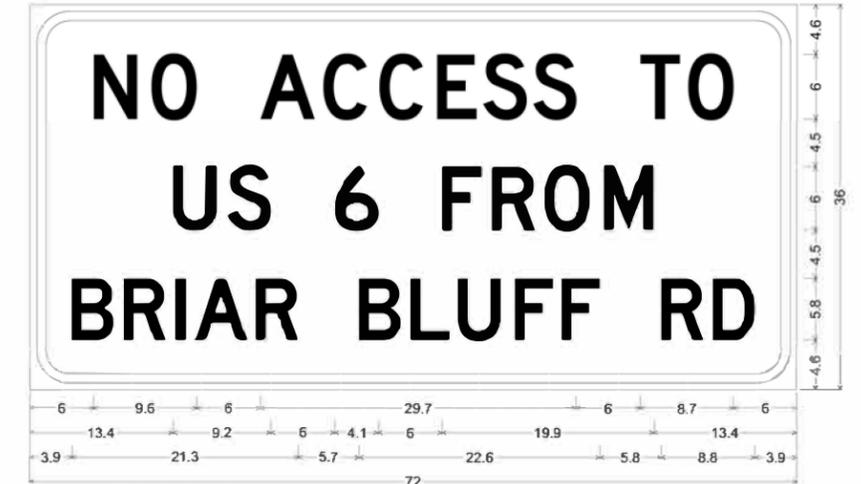
RELOCATE TEMPORARY IMPACT ATTENUATORS SHALL INCLUDE STORAGE AND TRANSPORTATION TO AND FROM STORAGE, WHEN THE DEVICE IS NOT NEEDED FOR A TIME, AS SHOWN ON THE STAGING PLANS. THIS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER EACH FOR IMPACT ATTENUATORS, RELOCATE OF THE TYPE SPECIFIED.

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.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

	1 1/2"	2"	6"
LOCATIONS(S):	US 6	US 6	US 6
MIXTURE USE(S):	SURFACE	SHOULDERS	SHOULDERS
PG:	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION:	IL 9.5	IL 9.5	IL 19.0
FRICTION AGGREGATE:	C	C	
MIXTURE WEIGHT:	112 LB/SY/IN	112 LB/SY/IN	112 LB/SY/IN
QUALITY MANAGEMENT PROGRAM:	QC/QA	QC/QA	QC/QA
SUBLOT SIZE:	N/A	N/A	N/A
NUMBER OF ROLLER PASSES:	*	*	*

* FOLLOW REQUIREMENTS OF SECTION 582 OF THE STANDARD SPECIFICATIONS FOR HMA SURFACING ON BRIDGE DECKS



0.9" Border, 0.6" Indent, Black on Orange;
 NO ACCESS TO D 2K; *US 6 FROM* D 2K; *BRIAR BLUFF RD* D 2K;

BRIAR BLUFF RD. ADVANCE WARNING SIGN DETAILS

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USER NAME = jordan	DESIGNED - MAH	REVISED -
PLOT SCALE = 120.0000' / FT.	DRAWN - MAH	REVISED -
PLOT DATE = 8/28/2020	CHECKED - GFS	REVISED -
	DATE - 8/28/2020	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. 5789	SECTION 40VBR	COUNTY HENRY	TOTAL SHEETS 35	SHEET NO. 02
CONTRACT NO. 64P52				
ILLINOIS FED. AID PRD. JESTP-RVET 19731				

CONSTRUCTION CODE : 0013 80% FED 20% STATE URBAN

SUMMARY OF QUANTITIES

PAY CODE	PAY ITEM	UNIT	QUANTITY
	NAME		
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	2.86
28100107	STONE RIPRAP, CLASS A4	SQ YD	17
28200200	FILTER FABRIC	SQ YD	17
31102300	SUBBASE GRANULAR MATERIAL, TYPE C 6"	SQ YD	100
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	141
* 40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	527
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	61
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	100
50102400	CONCRETE REMOVAL	CU YD	9.9
* 50157300	PROTECTIVE SHIELD	SQ YD	1,175
50300255	CONCRETE SUPERSTRUCTURE	CU YD	10.6
50300300	PROTECTIVE COAT	SQ YD	1,966
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1,810
50800515	BAR SPLICERS	EACH	24
52000110	PREFORMED JOINT STRIP SEAL	FOOT	110

* SPECIALITY ITEM

PAY CODE	PAY ITEM	UNIT	QUANTITY
	NAME		
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	175
* 63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	2
* 67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3
67100100	MOBILIZATION	L SUM	1
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1
70106700	TEMPORARY RUMBLE STRIPS	EACH	6
70107025	CHANGEABLE MESSAGE SIGN	CAL DAY	42
* 70300904	PAVEMENT MARKING TAPE, TYPE IV - 4"	FOOT	3,983
* 70300924	PAVEMENT MARKING TAPE, TYPE IV - 24"	FOOT	22
70400100	TEMPORARY CONCRETE BARRIER	FOOT	825
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	812.5
* 70600250	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2

* SPECIALITY ITEM

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	USER NAME = jorden	DESIGNED - MAH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE. 5789	SECTION 40VBR	COUNTY HENRY	TOTAL SHEETS 35	SHEET NO. 03	
	PLOT SCALE = 480.0000' / Ft.	CHECKED - GFS	REVISED -					SCALE N / A SHEET 1 OF 2 SHEETS STA. N / A TO STA. N / A				ILLINOIS FED. AID PROJECT STP-RVET (973)	
	PLOT DATE = 8/28/2020	DATE - 8/28/2020	REVISED -					CONTRACT NO. 64P52					

CONSTRUCTION CODE: 0013 80% FED
20% STATE URBAN

SUMMARY OF QUANTITIES

PAY CODE	PAY ITEM NAME	UNIT	QUANTITY
70600350	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE), TEST LEVEL 3	EACH	2
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4,071
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	9
* 78200010	BARRIER WALL REFLECTORS, TYPE B	EACH	56
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	9
Z0006014	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/2 INCHES	SQ YD	1,966
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1
Z0012130	BRIDGE DECK SCARIFICATION, 3/4"	SQ YD	1,966
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	224
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	29
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ YD	4
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	6
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	1,795
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1

* SPECIALITY ITEM

PAY CODE	PAY ITEM NAME	UNIT	QUANTITY
51100301	BITUMINOUS COATED AGGREGATE SLOPEWALL, 6"	SQ YD	42
X0325748	ACRYLIC COATING	SQ YD	327
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	908
X0931400	INLET BOXES TO BE ADJUSTED (SPECIAL)	EACH	2
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	1,795
X5060601	CONTAINMENT AND DISPOSAL OF NON-LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1
X6333500	TRAFFIC BARRIER TERMINAL REMOVAL	EACH	1
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1,372

* SPECIALITY ITEM

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USER NAME = jorden	DESIGNED - MAH	REVISED -
PLOT SCALE = 480.0000' / Ft.	DRAWN - MAH	REVISED -
PLOT DATE = 8/28/2020	CHECKED - GFS	REVISED -
	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

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

F.A.P. RTE. 5789	SECTION 40VBR	COUNTY HENRY	TOTAL SHEETS 35	SHEET NO. 04
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

SCHEDULE OF QUANTITIES

20200600 EXCAVATING AND GRADING EXISTING SHOULDER

STATION	UNIT	REMARKS
US - 6 PRE-STAGE		
LT 530+26 - 531+92	1.66	WEST BOUND SHOULDER
RT 530+55 - 531+75	1.20	EAST BOUND SHOULDER
PROJECT TOTAL	2.86	

31102300 SUBBASE GRANULAR MATERIAL, TYPE C 6"

STATION	SQ YD	REMARKS
US - 6 PRE-STAGE		
LT 530+26 - 531+92	72	WEST BOUND SHOULDER
RT 530+55 - 531+75	28	EAST BOUND SHOULDER
PROJECT TOTAL	100	

40600290 BITUMINOUS MATERIALS (TACK COAT)

STATION	POUND	REMARKS
US - 6 STAGE I		
LT 524+64.5 - 525+78	33	WEST BOUND APPROACH & SHOULDER
LT 530+04 - 530+78.5	28	WEST BOUND APPROACH & SHOULDER
STAGE II		
RT 524+64.5 - 525+43	28	EAST BOUND APPROACH & SHOULDER
RT 529+70 - 530+78.5	52	EAST BOUND APPROACH & SHOULDER
PROJECT TOTAL	141	

40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

STATION	SQ YD	REMARKS
US - 6 STAGE I		
LT 524+64.5 - 525+17	105	WEST BOUND APPROACH & SHOULDER
LT 530+26 - 530+78.5	107	WEST BOUND APPROACH & SHOULDER
STAGE II		
RT 524+64.5 - 525+17	105	EAST BOUND APPROACH & SHOULDER
RT 529+98 - 530+78.5	210	EAST BOUND APPROACH & SHOULDER
PROJECT TOTAL	527	

40604050 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50

STATION	TON	REMARKS
US - 6 STAGE I		
LT 524+64.5 - 525+17	14	WEST BOUND APPROACH & SHOULDER
LT 530+04 - 530+78.5	12	WEST BOUND APPROACH & SHOULDER
STAGE II		
RT 524+64.5 - 525+43	12	EAST BOUND APPROACH & SHOULDER
RT 529+70 - 530+78.5	23	EAST BOUND APPROACH & SHOULDER
PROJECT TOTAL	61	

48203029 HOT-MIX ASPHALT SHOULDERS, 8"

STATION	SQ YD	REMARKS
US - 6 PRE-STAGE		
LT 530+26 - 531+92	72	WEST BOUND SHOULDER
RT 530+55 - 531+75	28	EAST BOUND SHOULDER
PROJECT TOTAL	100	

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

STATION	EACH	REMARKS
US - 6		
RT 530+59 - 531+09	1	PLACE AT COMPLETION OF PROJECT
PROJECT TOTAL	1	

63301210 REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A

STATION	FOOT	REMARKS
US - 6		
LT 530+20 - 531+32	112.5	REMOVE PRE-STAGE AND REERECT AT COMPLETION
RT 531+09 - 531+71	62.5	REMOVE PRE-STAGE AND REERECT AT COMPLETION
PROJECT TOTAL	175	

63301990* REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1

STATION	EACH	REMARKS
US - 6		
LT 531+32 - 531+47	1	REMOVE PRE-STAGE AND REERECT AT COMPLETION
RT 531+71 - 531+94	1	REMOVE PRE-STAGE AND REERECT AT COMPLETION
PROJECT TOTAL	2	

70107025 CHANGEABLE MESSAGE SIGN

STATION	CAL DAY	REMARKS
US - 6		
EASTBOUND	21	2 WEEKS PRIOR AND 1 WEEK AFTER START OF CONSTRUCTION
WESTBOUND	21	
PROJECT TOTAL	42	

70300904* PAVEMENT MARKING TAPE, TYPE IV - 4"

STATION	FOOT	REMARKS
US - 6 STAGE 1 - WEST BOUND LANE		
RT 521+88 - LT 523+82	194	SOLID - WHITE
LT 523+47 - LT 532+20	875	SOLID - WHITE
LT 523+82 - LT 531+57	775	SOLID - WHITE
LT 531+57 - RT 533+07	151	SOLID - WHITE
STAGE 2 - EAST BOUND LANE		
LT 522+44 - RT 523+81.8	139	SOLID - WHITE
RT 523+23 - RT 532+09	885	SOLID - WHITE
RT 523+81.8 - RT 531+57	775	SOLID - WHITE
RT 531+57 - LT 533+45.7	189	SOLID - WHITE
PROJECT TOTAL	3,983	

70300924* PAVEMENT MARKING TAPE, TYPE IV - 24"

STATION	FOOT	REMARKS
US - 6 PRE-STAGE		
RT 521+78	11	EAST BOUND LANE
LT 533+67	11	WEST BOUND LANE
PROJECT TOTAL	22	

70400100 TEMPORARY CONCRETE BARRIER

STATION	FOOT	REMARKS
US - 6 STAGE 1		
RT 523+57 - LT 524+32	75	WEST BOUND
LT 524+32 - LT 531+07	675	WEST BOUND
LT 531+07 - RT 531+81.7	75	WEST BOUND
PROJECT TOTAL	825	

70400200 RELOCATE TEMPORARY CONCRETE BARRIER

STATION	FOOT	REMARKS
US - 6 STAGE 2		
LT 523+69.6 - RT 524+31.8	62.5	EAST BOUND
RT 524+31.8 - RT 531+07	675	EAST BOUND
RT 531+07 - LT 531+81.7	75	EAST BOUND
PROJECT TOTAL	812.5	

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

STATION	EACH	REMARKS
US - 6		
RT 523+57	1	STAGE 1 - WEST BOUND
RT 531+81.7	1	STAGE 1 - WEST BOUND
PROJECT TOTAL	2	

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

STATION	EACH	REMARKS
US - 6		
LT 523+69.6	1	STAGE 2 - EAST BOUND
LT 531+81.7	1	STAGE 2 - EAST BOUND
PROJECT TOTAL	2	

78001110 PAINT PAVEMENT MARKING - LINE 4"

STATION	FOOT	REMARKS
US - 6		
LT 523+47 - LT 532+20	874	N. EDGE LINE - WHITE
521+78 - 533+67	2,378	DBL CENTERLINE - YELLOW
RT 523+23 - RT 530+02	679	S. EDGE LINE - WHITE
RT 530+69 - RT 532+09	140	S. EDGE LINE - WHITE
PROJECT TOTAL	4,071	

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SCHEDULE OF QUANTITIES

78100100 RAISED REFLECTIVE PAVEMENT MARKER

STATION	EACH	REMARKS
US - 6 521+78 - 533+67	9	CENTER LINE
PROJECT TOTAL	9	

78200010 BARRIER WALL REFLECTORS, TYPE B

STATION	EACH	REMARKS
US - 6 STAGE 1 LT 524+32 - 531+07	28	25' CENTERS ALONG PARAPET
STAGE 2 RT 524+31.8 - 531+07	28	25' CENTERS ALONG PARAPET
PROJECT TOTAL	56	

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

STATION	EACH	REMARKS
US - 6 521+78 - 533+67	9	CENTER LINE
PROJECT TOTAL	9	

X0327980* PAVEMENT MARKING REMOVAL - WATER BLASTING

STATION	SQ FT	REMARKS
US - 6 STAGE 1 - WEST BOUND LANE LT 523+47 - LT 532+20	292	N. EDGE LINE, 4" SOLID
521+78 - 524+32	170	CENTER LINE, 4" DBL SOLID
531+07 - 533+67	173	CENTER LINE, 4" DBL SOLID
STAGE 2 - EAST BOUND LANE RT 523+23 - RT 530+02	226	S. EDGE LINE, 4" SOLID
RT 530+69 - RT 532+09	47	S. EDGE LINE, 4" SOLID
PROJECT TOTAL	908	

X0931400* INLET BOXES TO BE ADJUSTED (SPECIAL)

STATION	EACH	REMARKS
US - 6 RT 525+48	1	STAGE 1 - WEST BOUND
LT 525+90	1	STAGE 2 - EAST BOUND
PROJECT TOTAL	2	

X6333500* TRAFFIC BARRIER TERMINAL REMOVAL

STATION	EACH	REMARKS
US - 6 RT. 530+59 - 531+09	1	PRE-STAGE REMOVAL
PROJECT TOTAL	1	

X7030005* TEMPORARY PAVEMENT MARKING REMOVAL

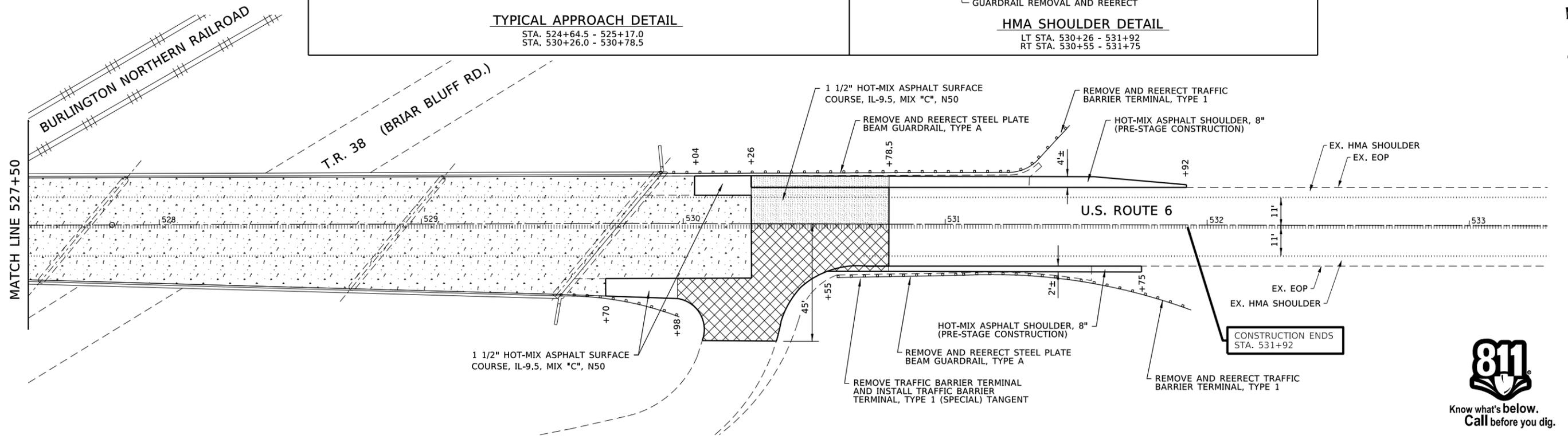
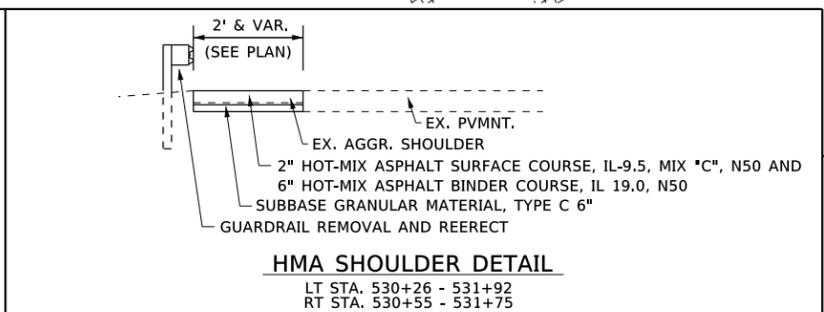
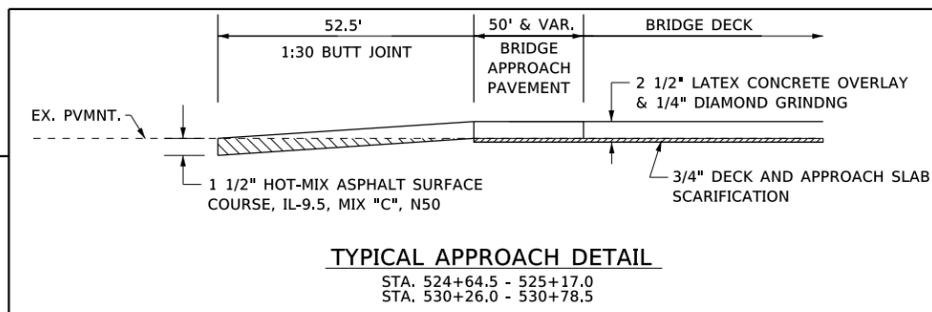
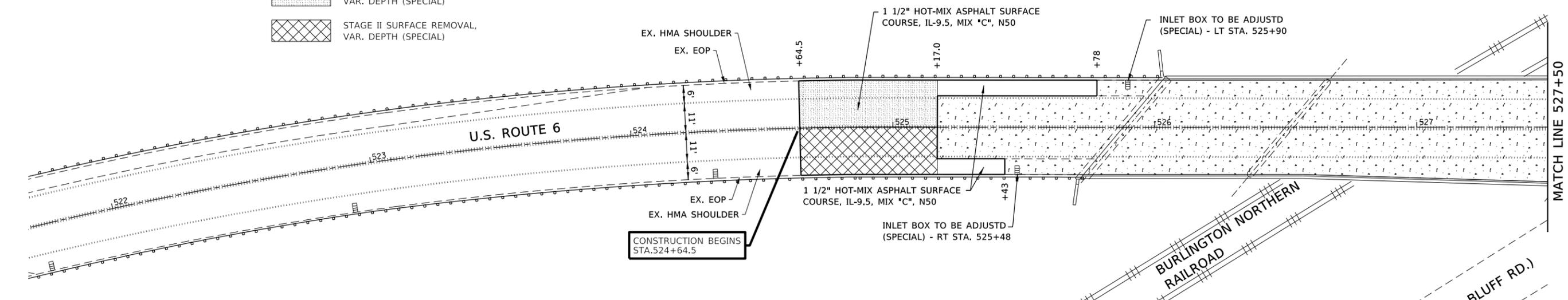
STATION	SQ FT	REMARKS
US - 6 STAGE 1 - WEST BOUND LANE RT 521+88 - LT 523+82	65	4" SOLID - EDGE LINE
LT 523+47 - LT 532+20	292	4" SOLID - EDGE LINE
LT 523+82 - LT 531+57	258	4" SOLID - EDGE LINE
LT 531+57 - RT 533+07	50	4" SOLID - EDGE LINE
STAGE 2 - EAST BOUND LANE LT 522+44 - RT 523+81.8	47	4" SOLID - EDGE LINE
RT 523+23 - RT 532+09	295	4" SOLID - EDGE LINE
RT 523+81.8 - RT 531+57	258	4" SOLID - EDGE LINE
RT 531+57 - LT 533+45.7	63	4" SOLID - EDGE LINE
RT 521+78	22	24" SOLID - STOP BAR
LT 533+67	22	24" SOLID - STOP BAR
PROJECT TOTAL	1,372	

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LEGEND

-  EXISTING CONCRETE PAVEMENT
-  STAGE I SURFACE REMOVAL, VAR. DEPTH (SPECIAL)
-  STAGE II SURFACE REMOVAL, VAR. DEPTH (SPECIAL)




Know what's below.
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SCALE IN FEET

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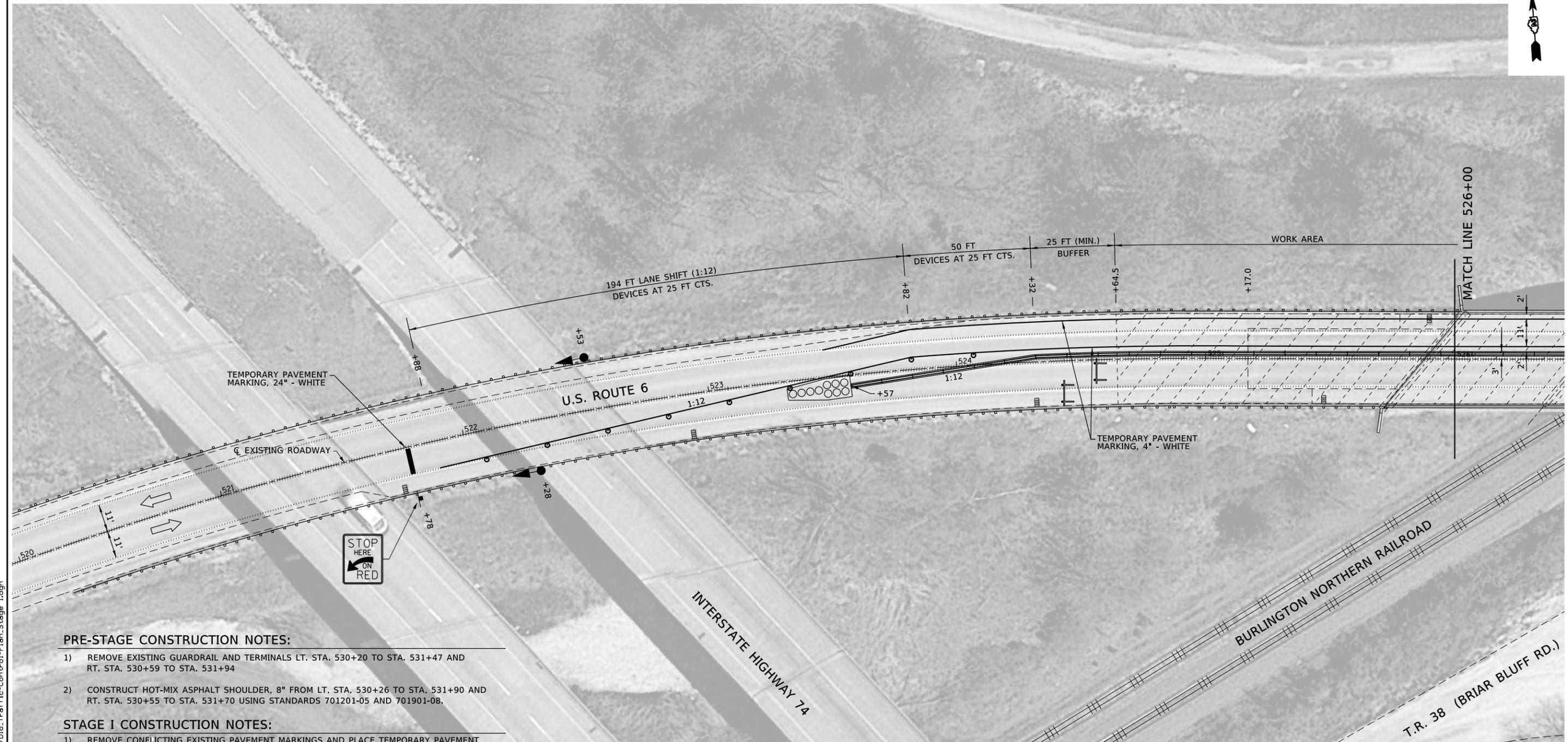
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REMOVAL & IMPROVEMENT PLAN

SCALE 1 : 20 SHEET 1 OF 1 SHEETS STA. 524+64.5 TO STA. 531+92

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	07
CONTRACT NO. 64P52				
		ILLINOIS	FED. AID PROJECT STP-RVET (973)	

STAGE I CONSTRUCTION AND BARRIER LAYOUT



PRE-STAGE CONSTRUCTION NOTES:

- 1) REMOVE EXISTING GUARDRAIL AND TERMINALS LT. STA. 530+20 TO STA. 531+47 AND RT. STA. 530+59 TO STA. 531+94
- 2) CONSTRUCT HOT-MIX ASPHALT SHOULDER, 8" FROM LT. STA. 530+26 TO STA. 531+90 AND RT. STA. 530+55 TO STA. 531+70 USING STANDARDS 701201-05 AND 701901-08.

STAGE I CONSTRUCTION NOTES:

- 1) REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS AND PLACE TEMPORARY PAVEMENT MARKINGS. INSTALL STANDARD 701321-18 USING STANDARDS 701201-05 AND 701901-08. SHIFT TRAFFIC TO WESTBOUND LANE FOR BOTH EAST AND WEST BOUND TRAFFIC ON US 6.
- 2) PERFORM STAGE I PORTION OF STRUCTURE AND DECK REPAIRS, (SEE STAGE CONSTRUCTION DETAILS AND SEQUENCE SHEET IN BRIDGE PLANS).
- 3) PERFORM STAGE I PORTION OF BUTT JOINT SURFACE REMOVAL AND PLACE STAGE I PORTION OF 1 1/2" HMA SURFACE AND HMA SHOULDER.
- 4) REMOVE STAGE I TEMPORARY PAVEMENT MARKINGS, REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS, PLACE STAGE II TEMPORARY PAVEMENT MARKINGS, AND RELOCATE TEMPORARY CONCRETE BARRIER TO STAGE II ALIGNMENT USING STANDARDS 701301-04, AND 701901-08.
- 5) SHIFT TRAFFIC TO THE EASTBOUND LANE FOR BOTH EAST AND WEST BOUND TRAFFIC ON US 6.

GENERAL NOTES:

- 1) AT EACH END OF PROJECT, CONTRACTOR SHALL PLACE ADVANCE WARNING SIGNS AND TEMPORARY RUMBLE STRIPS ALONG THE APPROACH LANE PRIOR TO STOP BAR AND TEMPORARY TRAFFIC SIGNAL PER IDOT STANDARD 701321.
- 2) SIGNALS AT REST SHALL BE GREEN EASTBOUND.
- 3) CONTRACTOR SHALL SALVAGE REMOVED GUARDRAIL AND TERMINALS TO BE REERECTED AT COMPLETION OF PROJECT.

LEGEND	
	IMPACT ATTENUATORS
	TEMPORARY CONC. BARRIERS (F SHAPE)
	DRUM WITH STEADY BURNING LIGHT
	DRUM
	TYPE III BARRICADE WITH FLASHING LIGHTS
	DETECTOR LOOPS
	TRAFFIC SIGNAL
	24" STOP BAR - WHITE

0 20 40 60
SCALE IN FEET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN - STAGE 1
SCALE 1 : 20 SHEET 1 OF 3 SHEETS STA. XXX+XX TO STA. XXX+XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	08
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

STAGE I CONSTRUCTION AND BARRIER LAYOUT



PRE-STAGE CONSTRUCTION NOTES:

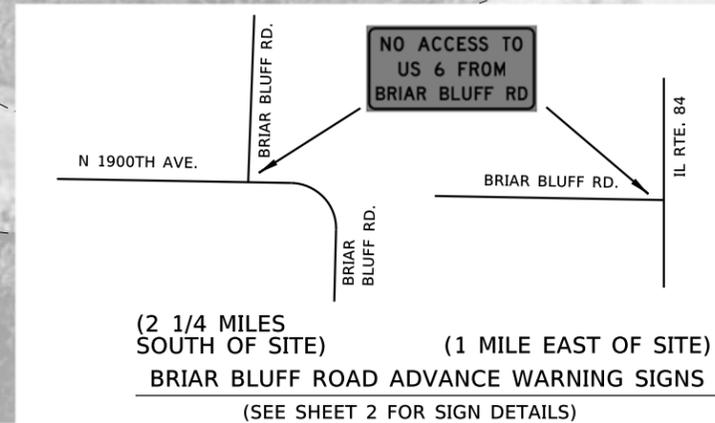
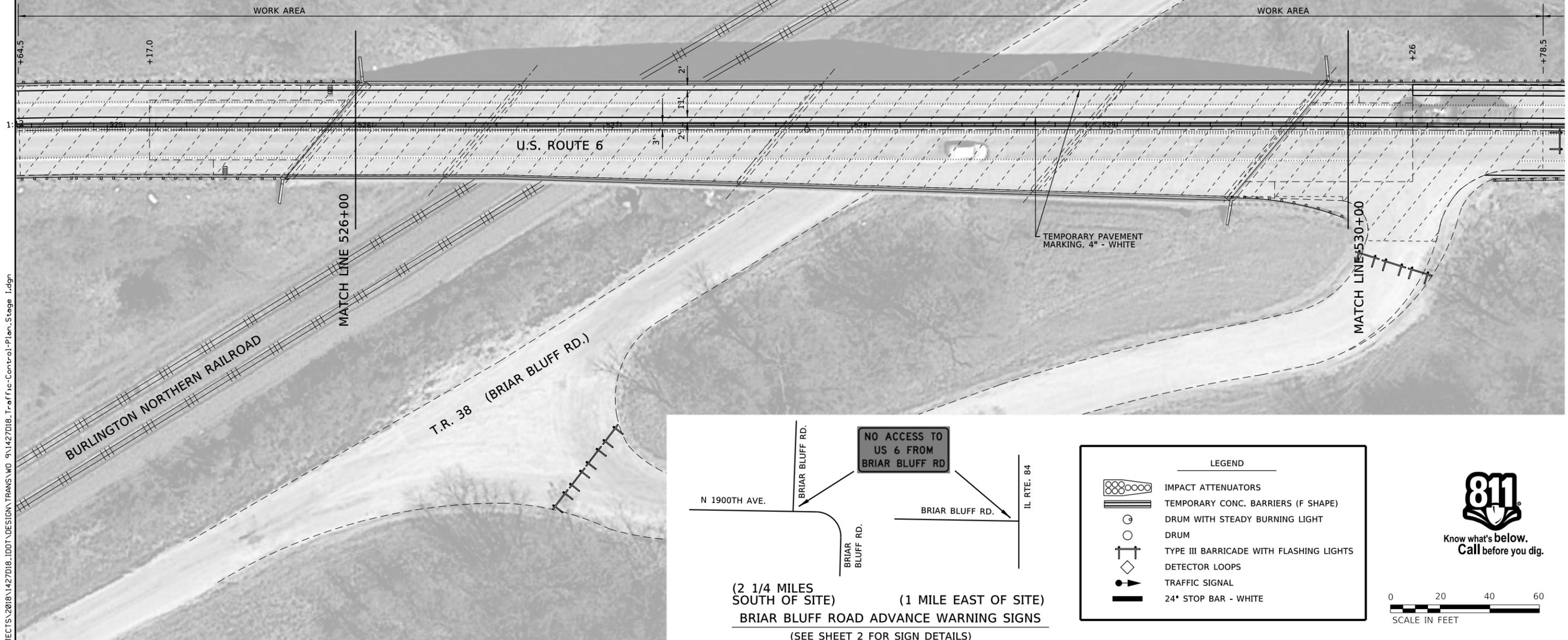
- 1) REMOVE EXISTING GUARDRAIL AND TERMINALS LT. STA. 530+20 TO STA. 531+47 AND RT. STA. 530+59 TO STA. 531+94
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- 4) REMOVE STAGE I TEMPORARY PAVEMENT MARKINGS, REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS, PLACE STAGE II TEMPORARY PAVEMENT MARKINGS, AND RELOCATE TEMPORARY CONCRETE BARRIER TO STAGE II ALIGNMENT USING STANDARDS 701301-04, AND 701901-08.
- 5) SHIFT TRAFFIC TO THE EASTBOUND LANE FOR BOTH EAST AND WEST BOUND TRAFFIC ON US 6.

GENERAL NOTES:

- 1) AT EACH END OF PROJECT, CONTRACTOR SHALL PLACE ADVANCE WARNING SIGNS AND TEMPORARY RUMBLE STRIPS ALONG THE APPROACH LANE PRIOR TO STOP BAR AND TEMPORARY TRAFFIC SIGNAL PER IDOT STANDARD 701321.
- 2) SIGNALS AT REST SHALL BE GREEN EASTBOUND.
- 3) CONTRACTOR SHALL SALVAGE REMOVED GUARDRAIL AND TERMINALS TO BE REERECTED AT COMPLETION OF PROJECT.



LEGEND	
	IMPACT ATTENUATORS
	TEMPORARY CONC. BARRIERS (F SHAPE)
	DRUM WITH STEADY BURNING LIGHT
	DRUM
	TYPE III BARRICADE WITH FLASHING LIGHTS
	DETECTOR LOOPS
	TRAFFIC SIGNAL
	24" STOP BAR - WHITE

811
Know what's below.
Call before you dig.

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SCALE IN FEET

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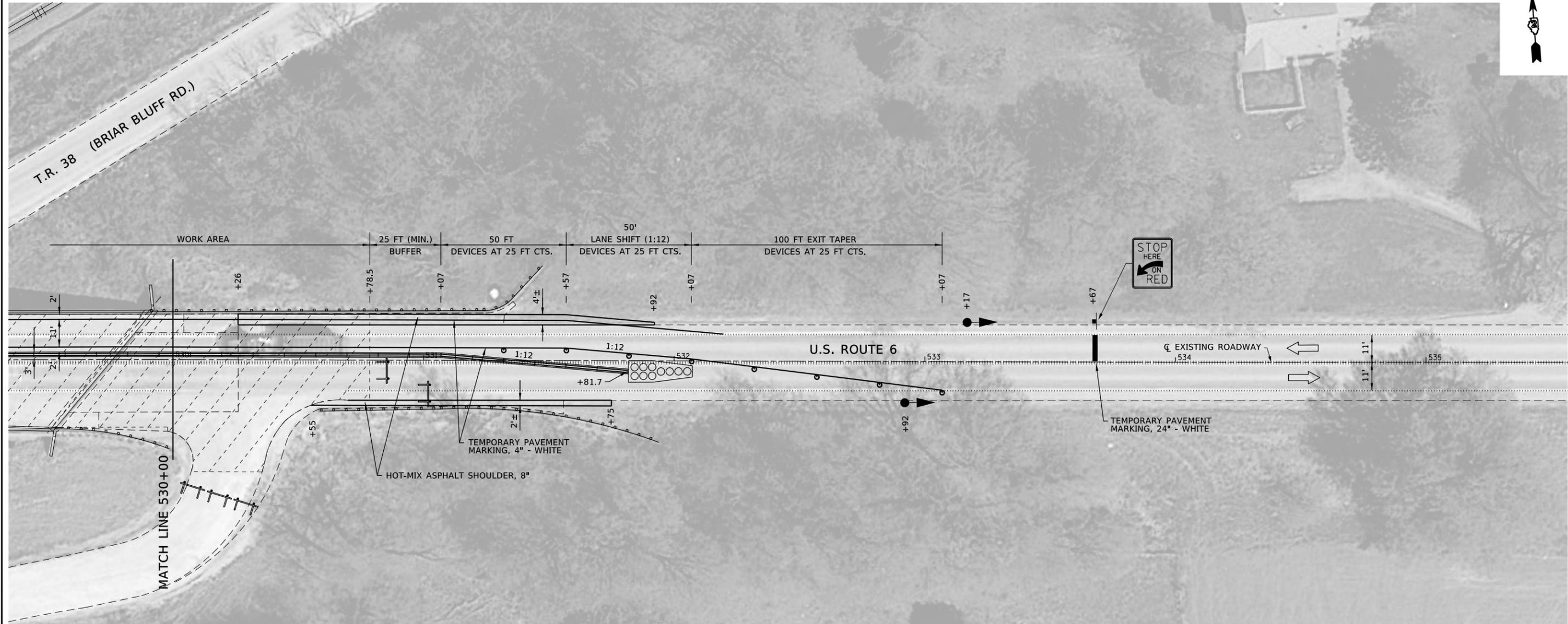
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	PLOT DATE = 8/28/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN - STAGE 1
SCALE 1 : 20 SHEET 2 OF 3 SHEETS STA. XXX+XX TO STA. XXX+XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	09
CONTRACT NO. 64P52				
ILLINOIS		FED. AID PROJECT STP-RVET (973)		

STAGE I CONSTRUCTION AND BARRIER LAYOUT



PRE-STAGE CONSTRUCTION NOTES:

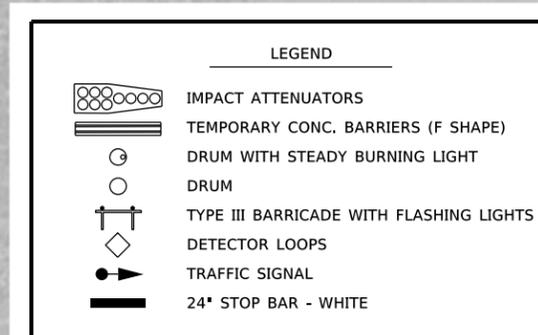
- 1) REMOVE EXISTING GUARDRAIL AND TERMINALS LT. STA. 530+20 TO STA. 531+47 AND RT. STA. 530+59 TO STA. 531+94
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- 3) PERFORM STAGE I PORTION OF BUTT JOINT SURFACE REMOVAL AND PLACE STAGE I PORTION OF 1 1/2" HMA SURFACE AND HMA SHOULDER.
- 4) REMOVE STAGE I TEMPORARY PAVEMENT MARKINGS, REMOVE CONFLICTING EXISTING PAVEMENT MARKINGS, PLACE STAGE II TEMPORARY PAVEMENT MARKINGS, AND RELOCATE TEMPORARY CONCRETE BARRIER TO STAGE II ALIGNMENT USING STANDARDS 701301-04, AND 701901-08.
- 5) SHIFT TRAFFIC TO THE EASTBOUND LANE FOR BOTH EAST AND WEST BOUND TRAFFIC ON US 6.

GENERAL NOTES:

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- 2) SIGNALS AT REST SHALL BE GREEN EASTBOUND.
- 3) CONTRACTOR SHALL SALVAGE REMOVED GUARDRAIL AND TERMINALS TO BE REERECTED AT COMPLETION OF PROJECT.



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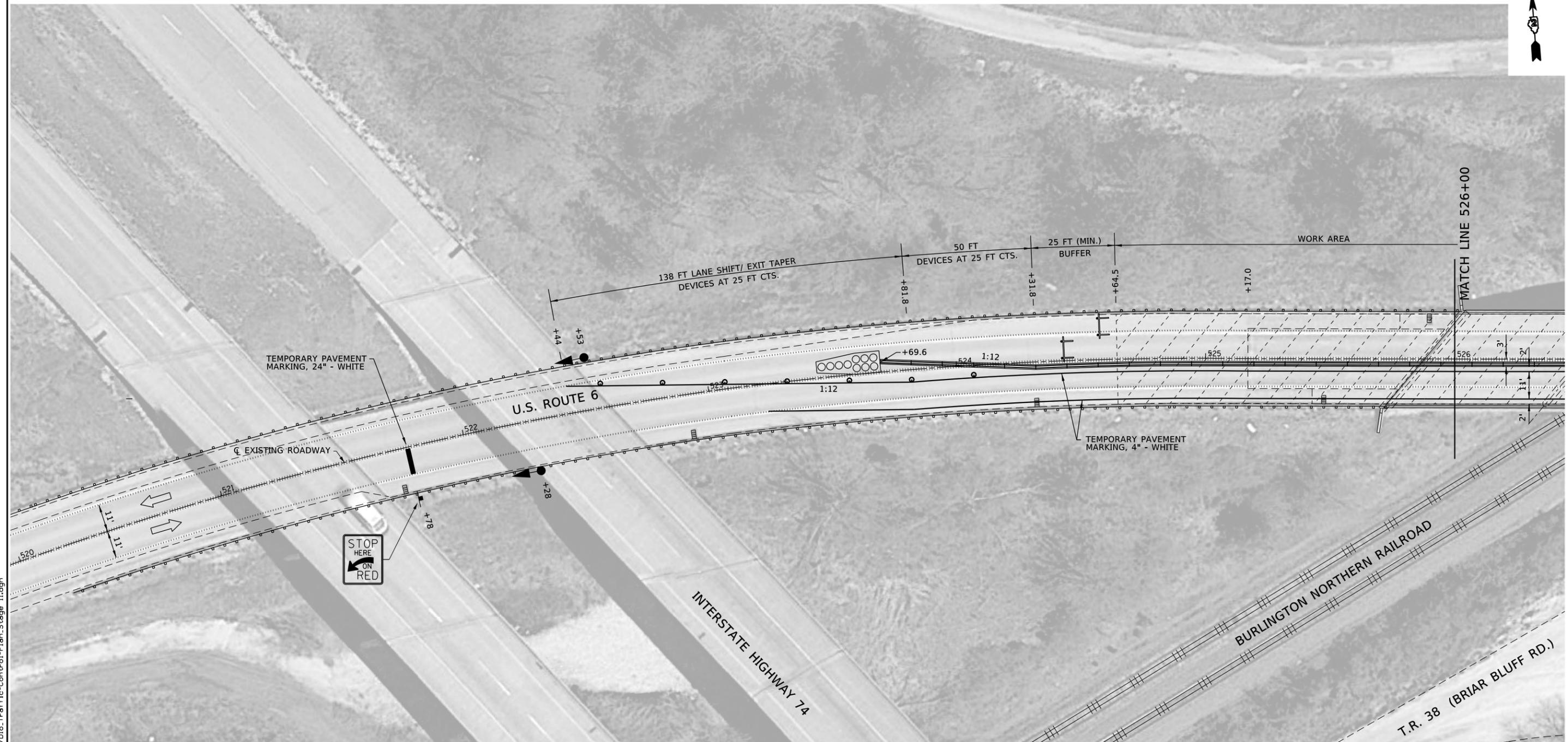
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DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN - STAGE 1

SCALE 1 : 20 SHEET 3 OF 3 SHEETS STA. XXX+XX TO STA. XXX+XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	10
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

STAGE II CONSTRUCTION AND BARRIER LAYOUT



STAGE II CONSTRUCTION NOTES:

- 1) PERFORM STAGE II PORTION OF STRUCTURE AND DECK REPAIRS, (SEE STAGE CONSTRUCTION DETAILS AND SEQUENCE SHEET IN BRIDGE PLANS).
- 2) PERFORM STAGE II PORTION OF BUTT JOINT SURFACE REMOVAL AND PLACE STAGE II PORTION OF 1 1/2" HMA SURFACE AND HMA SHOULDER.
- 3) REMOVE STAGE II CONCRETE BARRIER, TRAFFIC CONTROL DEVICES, AND TEMPORARY PAVEMENT MARKINGS USING STANDARDS 701301-04, AND 701901-08.
- 4) PERFORM PAVEMENT STRIPING WORK USING STANDARDS 701301-04 AND 701901-08.
- 5) REERECT GUARDRAIL, GUARDRAIL TERMINALS, AND PLACE NEW GUARDRAIL TERMINAL

GENERAL NOTES:

- 1) AT EACH END OF PROJECT, CONTRACTOR SHALL PLACE ADVANCE WARNING SIGNS AND TEMPORARY RUMBLE STRIPS ALONG THE APPROACH LANE PRIOR TO STOP BAR AND TEMPORARY TRAFFIC SIGNAL PER IDOT STANDARD 701321.
- 2) SIGNALS AT REST SHALL BE GREEN EASTBOUND.

LEGEND	
	IMPACT ATTENUATORS
	TEMPORARY CONC. BARRIERS (F SHAPE)
	DRUM WITH STEADY BURNING LIGHT
	DRUM
	TYPE III BARRICADE WITH FLASHING LIGHTS
	DETECTOR LOOPS
	TRAFFIC SIGNAL
	24" STOP BAR - WHITE



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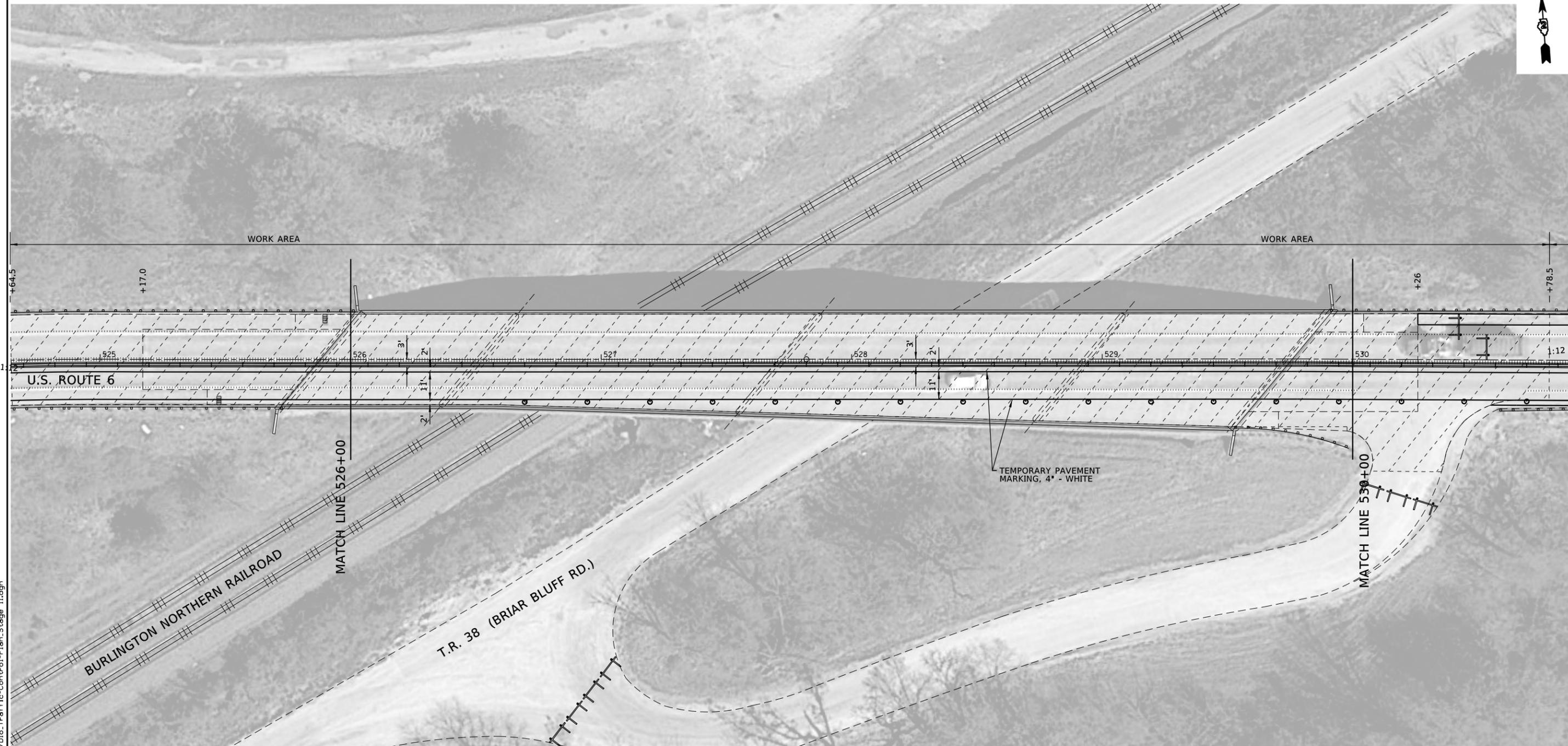
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN - STAGE 2

SCALE 1 : 20 SHEET 1 OF 3 SHEETS STA. XXX+XX TO STA. XXX+XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	11
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

STAGE II CONSTRUCTION AND BARRIER LAYOUT



STAGE II CONSTRUCTION NOTES:

- 1) PERFORM STAGE II PORTION OF STRUCTURE AND DECK REPAIRS, (SEE STAGE CONSTRUCTION DETAILS AND SEQUENCE SHEET IN BRIDGE PLANS).
- 2) PERFORM STAGE II PORTION OF BUTT JOINT SURFACE REMOVAL AND PLACE STAGE II PORTION OF 1 1/2" HMA SURFACE AND HMA SHOULDER.
- 3) REMOVE STAGE II CONCRETE BARRIER, TRAFFIC CONTROL DEVICES, AND TEMPORARY PAVEMENT MARKINGS USING STANDARDS 701301-04, AND 701901-08.
- 4) PERFORM PAVEMENT STRIPING WORK USING STANDARDS 701301-04 AND 701901-08.
- 5) REERECT GUARDRAIL, GUARDRAIL TERMINALS, AND PLACE NEW GUARDRAIL TERMINAL

GENERAL NOTES:

- 1) AT EACH END OF PROJECT, CONTRACTOR SHALL PLACE ADVANCE WARNING SIGNS AND TEMPORARY RUMBLE STRIPS ALONG THE APPROACH LANE PRIOR TO STOP BAR AND TEMPORARY TRAFFIC SIGNAL PER IDOT STANDARD 701321.
- 2) SIGNALS AT REST SHALL BE GREEN EASTBOUND.

LEGEND	
	IMPACT ATTENUATORS
	TEMPORARY CONC. BARRIERS (F SHAPE)
	DRUM WITH STEADY BURNING LIGHT
	DRUM
	TYPE III BARRICADE WITH FLASHING LIGHTS
	DETECTOR LOOPS
	TRAFFIC SIGNAL
	24" STOP BAR - WHITE



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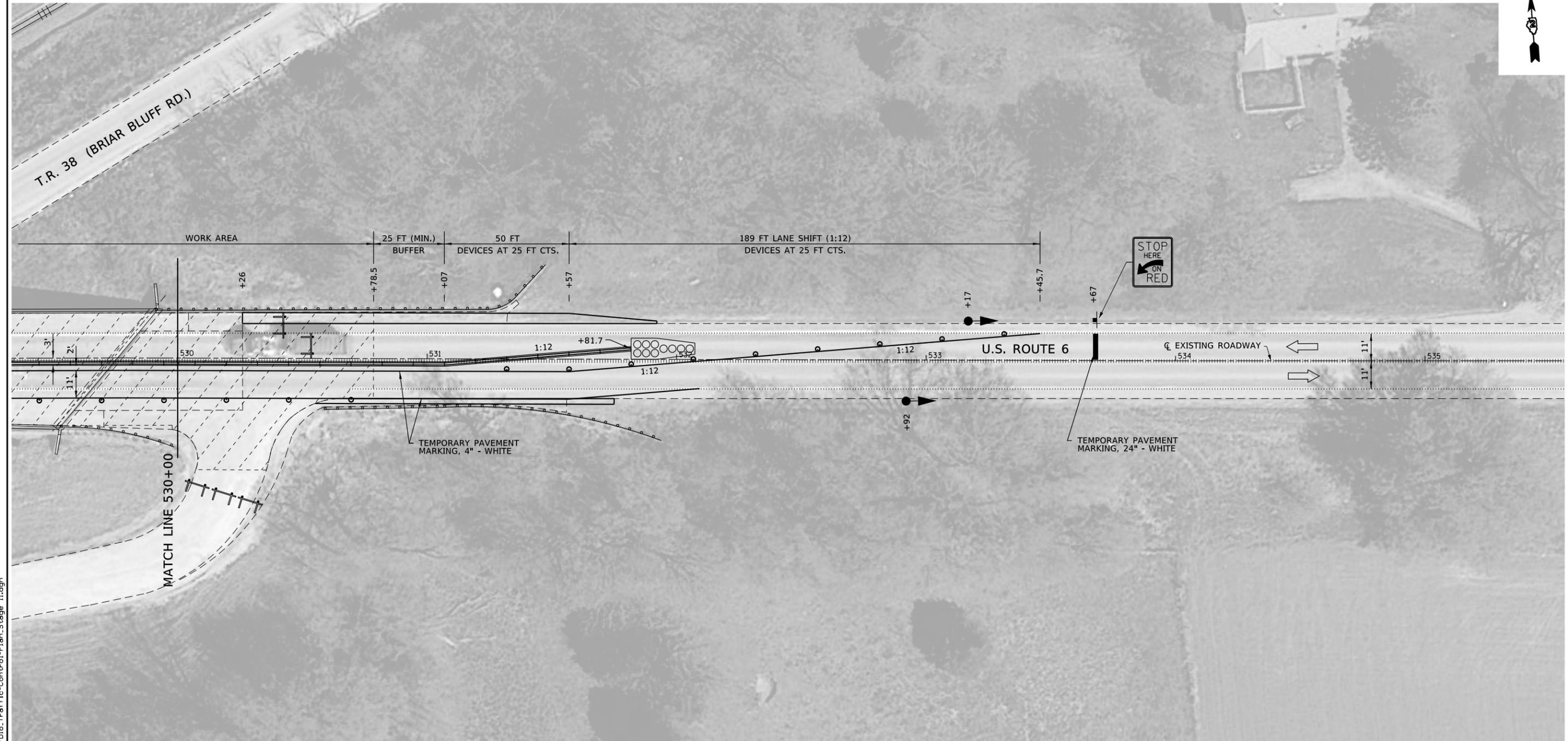
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN - STAGE 2

SCALE 1 : 20 SHEET 2 OF 3 SHEETS STA. XXX+XX TO STA. XXX+XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	12
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

STAGE II CONSTRUCTION AND BARRIER LAYOUT



STAGE II CONSTRUCTION NOTES:

- 1) PERFORM STAGE II PORTION OF STRUCTURE AND DECK REPAIRS, (SEE STAGE CONSTRUCTION DETAILS AND SEQUENCE SHEET IN BRIDGE PLANS).
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GENERAL NOTES:

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- 2) SIGNALS AT REST SHALL BE GREEN EASTBOUND.

LEGEND	
	IMPACT ATTENUATORS
	TEMPORARY CONC. BARRIERS (F SHAPE)
	DRUM WITH STEADY BURNING LIGHT
	DRUM
	TYPE III BARRICADE WITH FLASHING LIGHTS
	DETECTOR LOOPS
	TRAFFIC SIGNAL
	24" STOP BAR - WHITE

811
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SCALE IN FEET

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

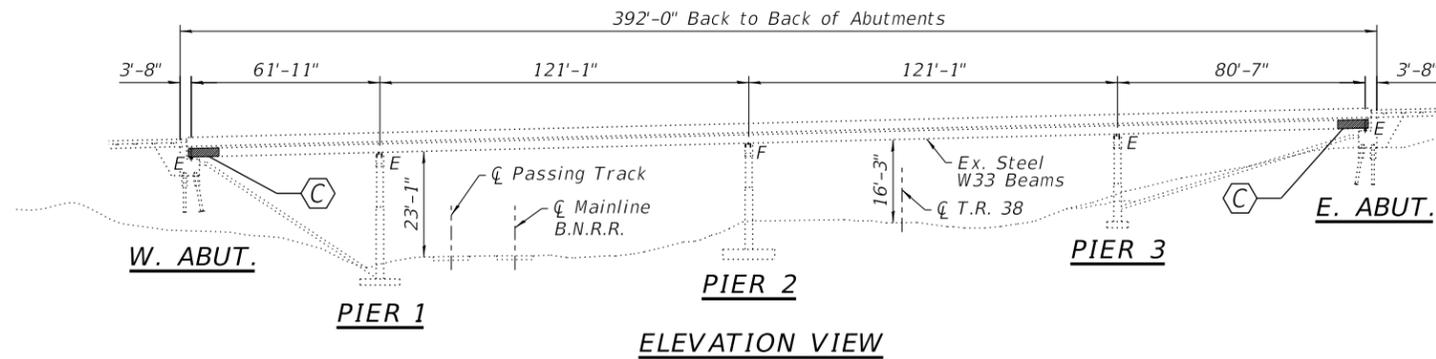
TRAFFIC CONTROL PLAN - STAGE 2

SCALE 1 : 20 SHEET 3 OF 3 SHEETS STA. XXX+XX TO STA. XXX+XX

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	13
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

EXISTING STRUCTURE: SN 037-0141. Originally built in 1991 as a four span steel I-beam superstructure with open abutments and multi column piers. The back to back length is 392'-0" and out to out width varies from 39'-2" on the west to 48'-2" on the east end. Structure to be repaired as detailed in plans. Traffic will be maintained utilizing staged construction. Existing structure skew = 40° Left Ahead.

No salvage.



LOADING HS20-44

Existing and Proposed

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges - LFD

DESIGN STRESSES

FIELD UNITS (EXISTING CONSTRUCTION)

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)
 $f_y = 36,000$ psi (AASHTO M183)
 $f_y = 50,000$ psi (AASHTO M223)

FIELD UNITS (NEW CONSTRUCTION)

$f'_c = 4,000$ psi (Concrete)
 $f_y = 60,000$ psi (Reinforcement)

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2-3 Stage I & II Layout - Bridge
- 4-5 Stage I & II Layout - Approaches
- 6 Temporary Concrete Barrier for Stage Construction
- 7 Abutment Joint Replacement Details
- 8 Abutment Corner Replacement Details
- 9 Joint Replacement & Repair Details
- 10 Modified Preformed Joint Strip
- 11 Bar Splicer Assembly and Mechanical Splicer Details
- 12 Deck Patching Details
- 13-14 N. & S. Parapet Repair Details
- 15 Riprap and Slope Repairs

BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		17	17
Filter Fabric	Sq. Yd.		17	17
Concrete Removal	Cu. Yd.	9.9		9.9
Protective Shield	Sq. Yd.	1,175		1,175
Concrete Superstructure	Cu. Yd.	10.6		10.6
Protective Coat	Sq. Yd.	1,966		1,966
Reinforcement Bars, Epoxy Coated	Pound	1,810		1,810
Bar Splicers	Each	24		24
Preformed Joint Strip Seal	Foot	110		110
Bridge Deck Scarification 3/4"	Sq. Yd.	1,966		1,966
Bridge Deck Latex Concrete Overlay 2 1/2"	Sq. Yd.	1,966		1,966
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq. Ft.	224		224
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq. Ft.	29		29
Deck Slab Repair (Full Depth, Type I)	Sq. Yd.	4		4
Deck Slab Repair (Full Depth, Type II)	Sq. Yd.	6		6
Diamond Grinding (Bridge Section)	Sq. Yd.	1,795		1,795
Containment and Disposal of Non-Lead Paint Cleaning Residues, No. 1	L. Sum			1
Bituminous Coated Aggregate Slopewall, 6"	Ton		42	42
Acrylic Coating	Sq. Yd.	327		327
Cleaning & Painting Steel Bridge, No. 1	L. Sum		1	1
Bridge Deck Grooving (Longitudinal)	Sq. Yd.	1,795		1,795

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field 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.

Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system. Cost shall be included in the cost of Concrete Removal.

Existing longitudinal reinforcement extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Existing transverse reinforcement may be cut as shown and removed.

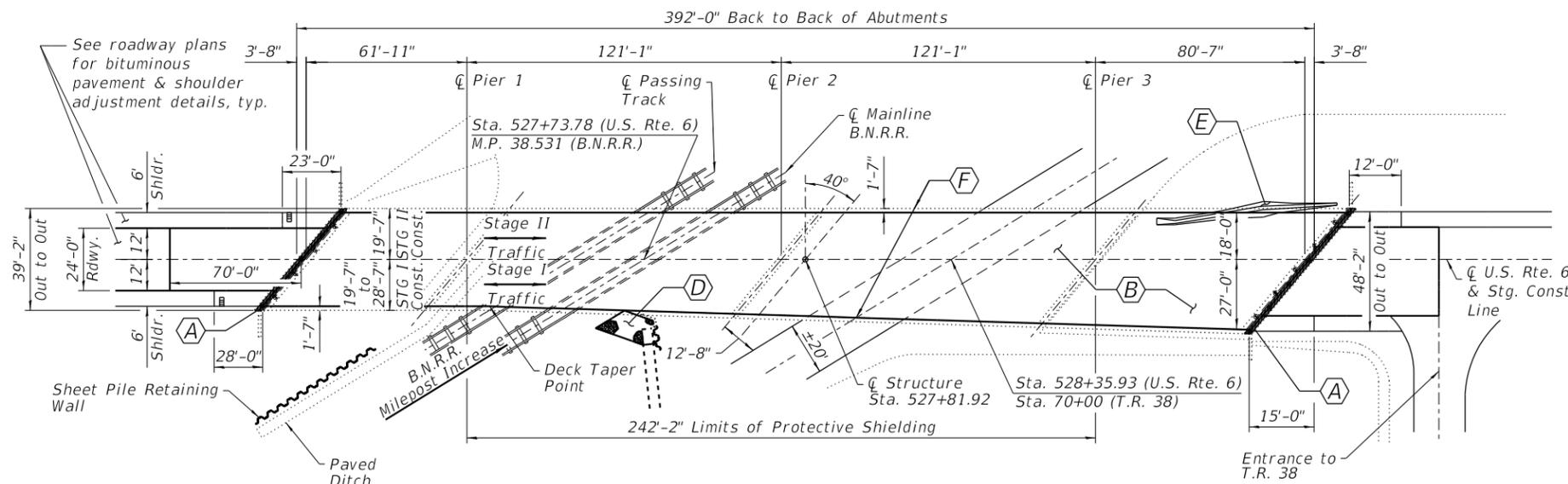
Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specification when the joint is poured at an ambient temperature other than 50°F.

Protective coat shall be applied to new deck section on either side of expansion joint and to the new overlay.

Acrylic coating shall be applied to top & inside faces of existing & repaired parapets.

Cleaning and painting of the existing structural steel shall be specified in the special provision for "Cleaning and Painting Existing Steel Structures". Areas to be painted shall consist of all structural steel within 10 ft. (measured along the beam) of the beam ends, including all bearings at the abutments, and the entire length of the bottom flange including the top, sides, and bottom. Steel shall be cleaned per Power Tool Cleaning Modified SSPC-SP3. The designated areas to be Power Tool Cleaned shall be painted according to the requirements of Paint System 2-PS/EM/U. The color of the final finish coat shall be Interstate Green, Munsell No. 7.5G 4/8.

Up to 1/4" may be ground off bridge deck and the approach slabs.

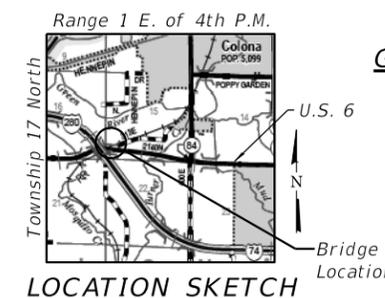


SCOPE OF WORK:

- (A) Remove existing expansion joints and install new preformed joint strip seals.
- (B) Install new 2 1/2" latex concrete overlay on the existing deck, approach slabs, & approach shoulder slabs. See Structural Sheets 2 thru 5 of 12 for details.
- (C) Clean and Paint Structural Steel at abutments.
- (D) Place Riprap around existing Concrete Pipe Culvert. See Structural Sheet 15 of 15 for details.
- (E) Slopewall repair. See Structural Sheet 15 of 15 for details.
- (F) Repair of concrete parapets at various locations shown on plans.



DATE: **12-01-2020**
 EXPIRES 11/30/22



GENERAL PLAN AND ELEVATION

F.A.U. 5789 (US 6)
OVER B.N. RR & T.R. 38
SECTION 40VBR
HENRY COUNTY
STATION 527+81.92
STRUCTURE NO. 037-0141

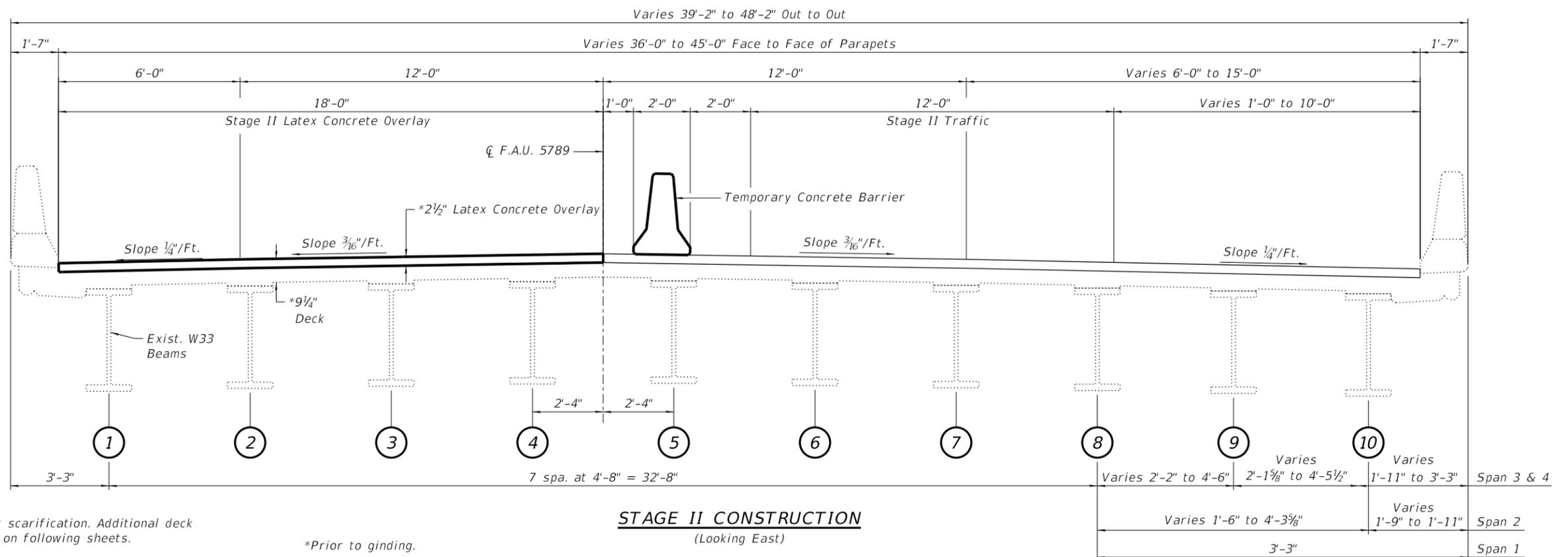
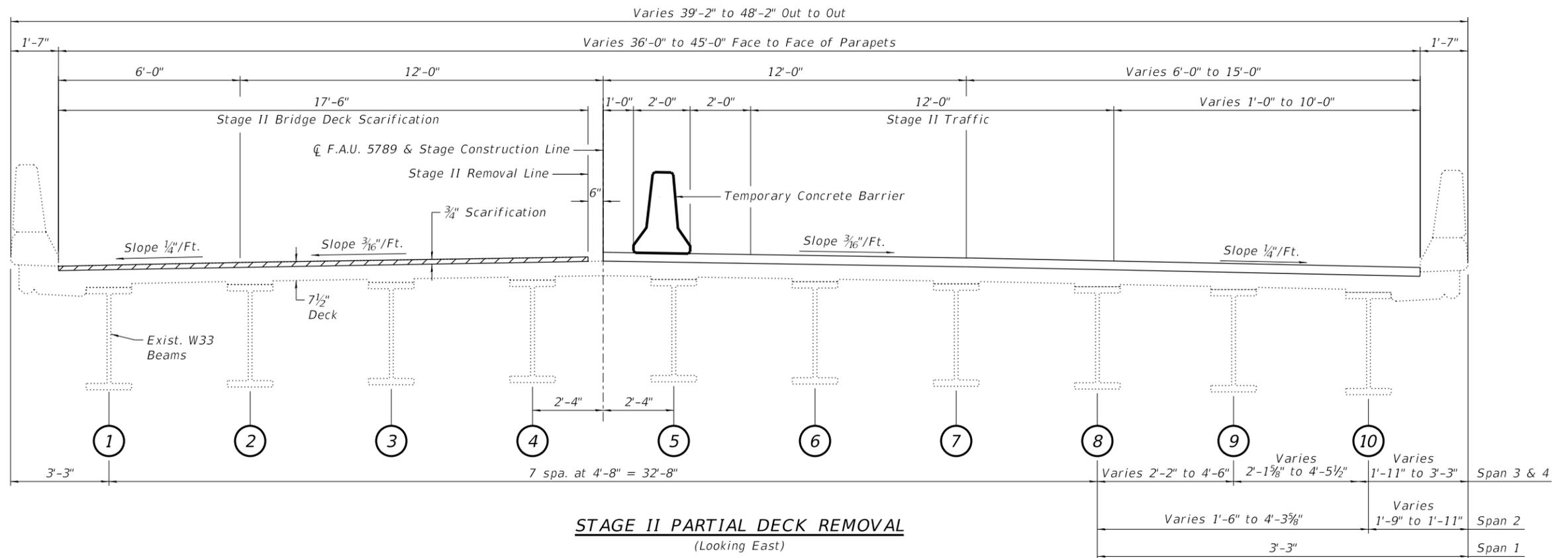


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	DRAWN - RDA	REVISED -
PLOT SCALE 60.0000' / 1" = 60'-0"	CHECKED - BKC	REVISED -
PLOT DATE = 12/1/2020	DATE = 06/05/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	14
WHA# 1427D18			CONTRACT NO. 64P52	

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\NO 9\1427D18.GP&E.dgn



NOTES:

Hatched areas indicate deck scarification. Additional deck and concrete repairs shown on following sheets.

*Prior to grinding.

FILE = S:\PROJECTS\2018\1427018_IDOT_DESIGN\CAD_SHEETS\WD_9\1427018_Stage_Construction_Layout.dgn



USER NAME = jordan	DESIGNED - JKP	REVISED -
PLOT SCALE = 2.0000' / 1"	DRAWN - RDA	REVISED -
PLOT DATE = 11/30/2020	CHECKED - BKC	REVISED -
	DATE - 06/05/2020	REVISED -

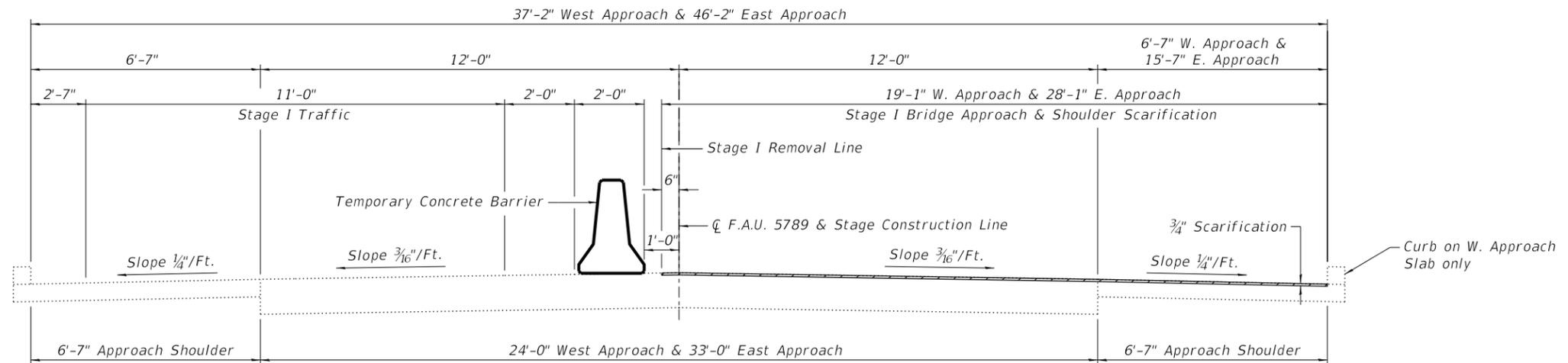
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE II LAYOUT - BRIDGE
STRUCTURE NO. 037-0141

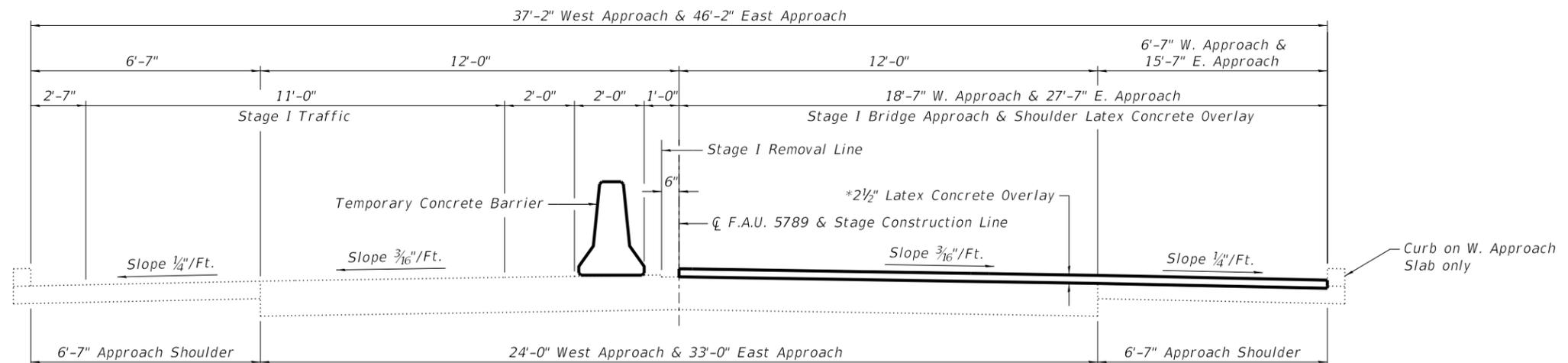
STRUCTURAL SHEET 3 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	16
WHA# 1427D18		CONTRACT NO. 64P52		

ILLINOIS FED. AID PROJECT STP-RVET (973)



STAGE I BRIDGE APPROACH & SHOULDER PAVEMENT REMOVAL
(Looking East)



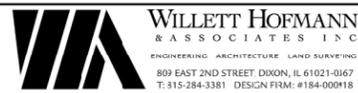
STAGE I BRIDGE APPROACH & SHOULDER PAVEMENT CONSTRUCTION
(Looking East)

NOTES:

Hatched areas indicate approach concrete scarification.

*Prior to grinding.

FILE = \$FILEL\$.S



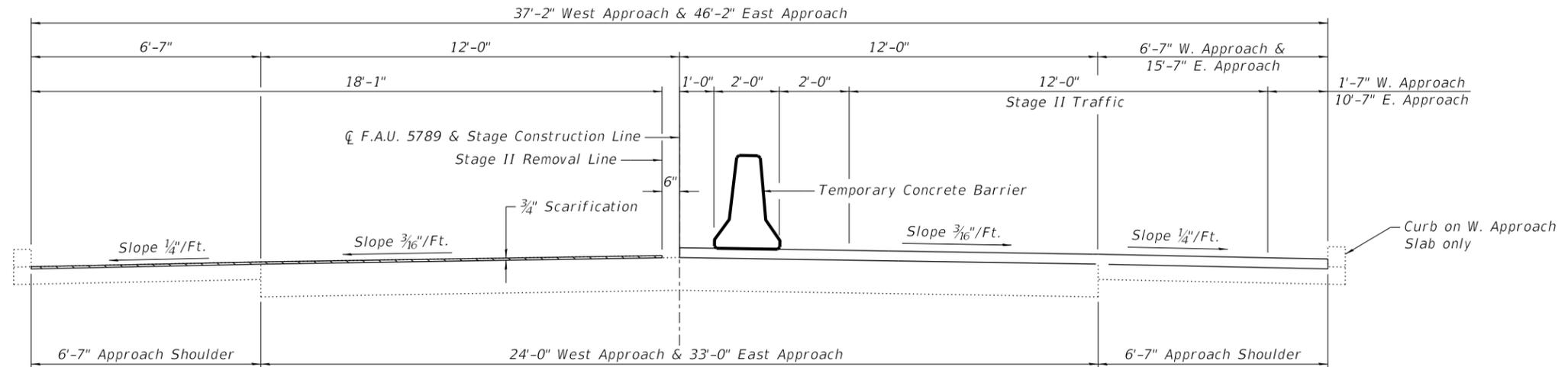
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PLOT DATE = \$DATE\$	DATE - 06/05/2020	REVISED - _____

**STATE OF ILLINOIS
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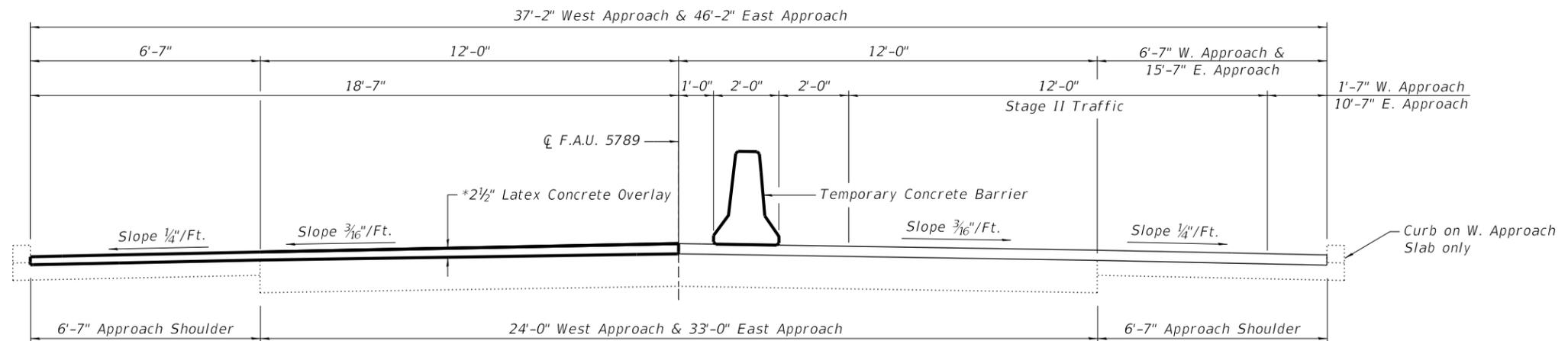
STAGE I LAYOUT - APPROACHES

STRUCTURAL SHEET 4 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	17
WHA# 1427D18			CONTRACT NO. 64P52	
ILLINOIS FED. AID PROJECT STP-RVET (973)				



STAGE II BRIDGE APPROACH & SHOULDER PAVEMENT REMOVAL
(Looking East)



STAGE II BRIDGE APPROACH & SHOULDER PAVEMENT CONSTRUCTION
(Looking East)

NOTES:

Hatched areas indicate approach concrete scarification.

*Prior to grinding.

FILE = \$FILEL\$.S



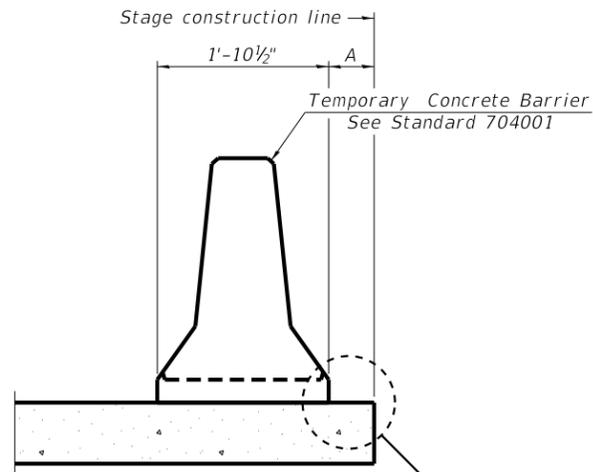
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PLOT SCALE = \$SCALE\$	CHECKED - BKC	REVISED - _____
PLOT DATE = \$DATE\$	DATE - 06/05/2020	REVISED - _____

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE II LAYOUT - APPROACHES

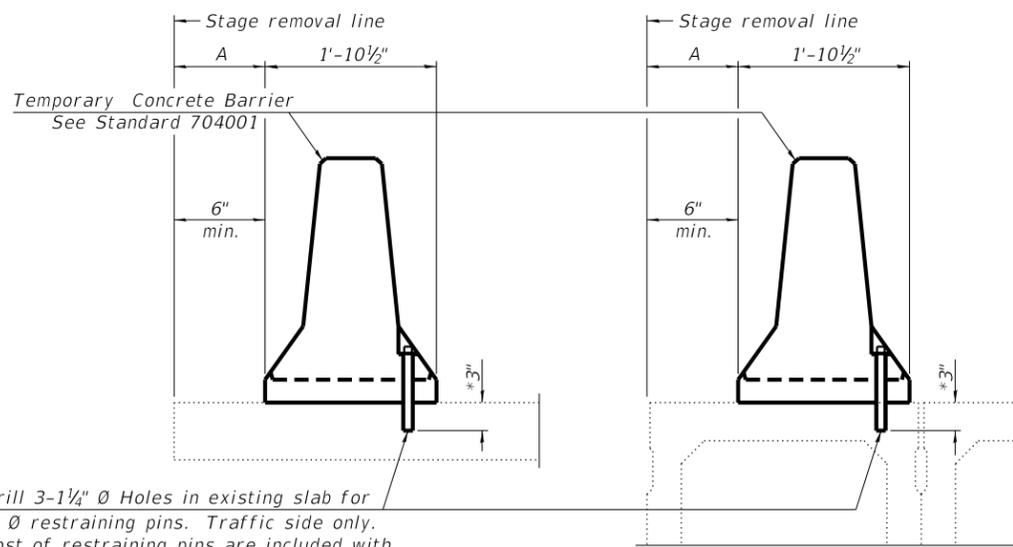
STRUCTURAL SHEET 5 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	18
WHA# 1427D18			CONTRACT NO. 64P52	
ILLINOIS FED. AID PROJECT STP-RVET (973)				



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



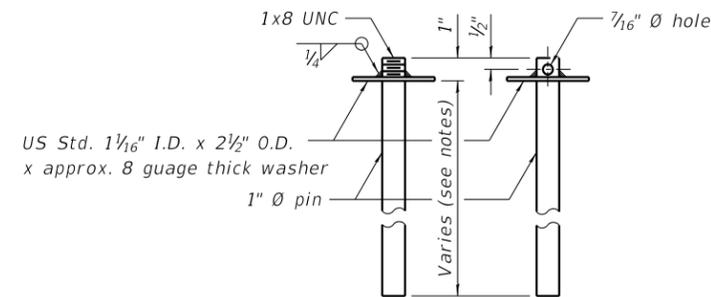
Drill 3-1/4" Ø Holes in existing slab for 1" Ø restraining pins. Traffic side only. Cost of restraining pins are included with Temporary Concrete Barrier. No restraint is required when "A" is greater than 3'-1".

EXISTING SLAB

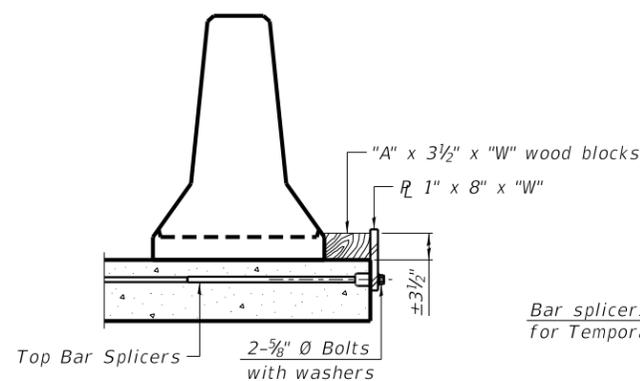
EXISTING DECK BEAM

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

SECTIONS THRU SLAB OR DECK BEAM

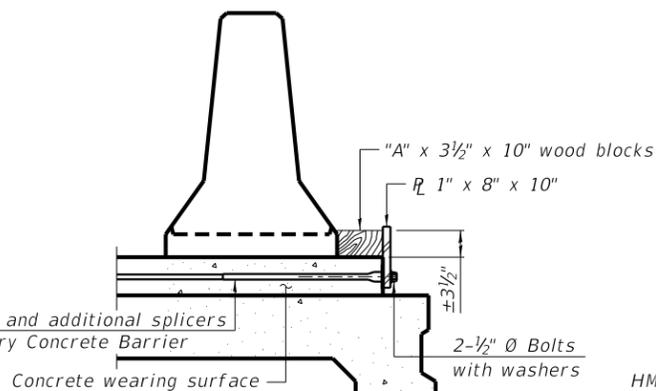


RESTRAINING PIN

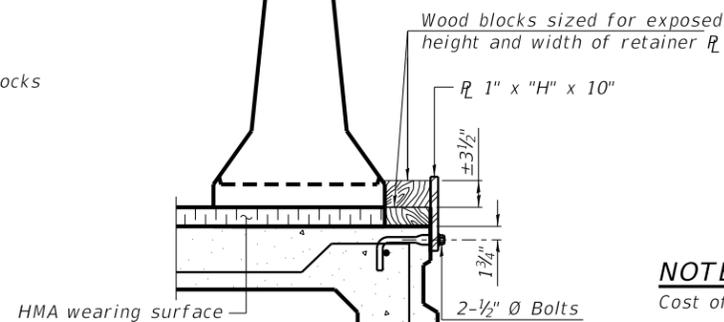


DETAIL I

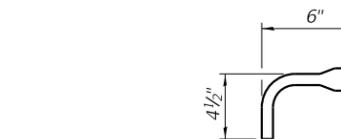
Bar splicers and additional splicers for Temporary Concrete Barrier



DETAIL II



DETAIL III



BAR SPLICER FOR #4 BAR - DETAIL III

NOTES:

Cost of retainer assembly is included with Temporary Concrete Barrier.

A retainer assembly shall be located at the approximate center of each temporary concrete barrier.

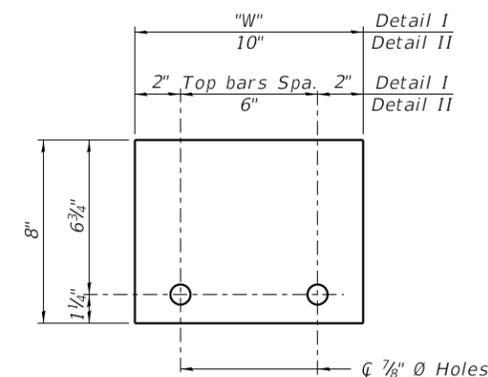
The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

When the 'A' dimension is less than 1 1/2", the wood block shall be omitted and the barrier shall be placed in direct contact with the steel retainer plate. For deck beam applications the minimum required 'A' distance is 6" to accommodate the shear key clamping device.

Detail I - Installation for a new bridge deck or bridge slab.

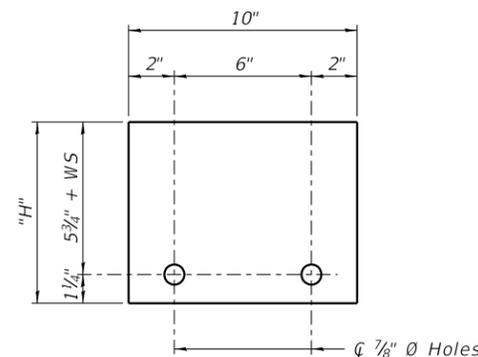
Detail II - Installation for a new deck beam with an initial concrete wearing surface. Additional bar splicers shall be provided at 6'-0" centers and paired with the bar splicers of the concrete wearing surface reinforcement to accommodate the installation of the retainer assemblies. The cost of the additional bar splicers is included with the concrete wearing surface.

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



STEEL RETAINER R 1" x 8" x "W"

(Detail I and II)



STEEL RETAINER R 1" x "H" x 10"

(Detail III)

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 9\1427D18.Temporary Concrete Barrier for Stage Construction.dgn



USER NAME = jordan	DESIGNED - JKP	REVISED -
PLOT SCALE = 2.0000' / 1"	DRAWN - RDA	REVISED -
PLOT DATE = 10/26/2020	CHECKED - BKC	REVISED -
	DATE - 06/05/2020	REVISED -

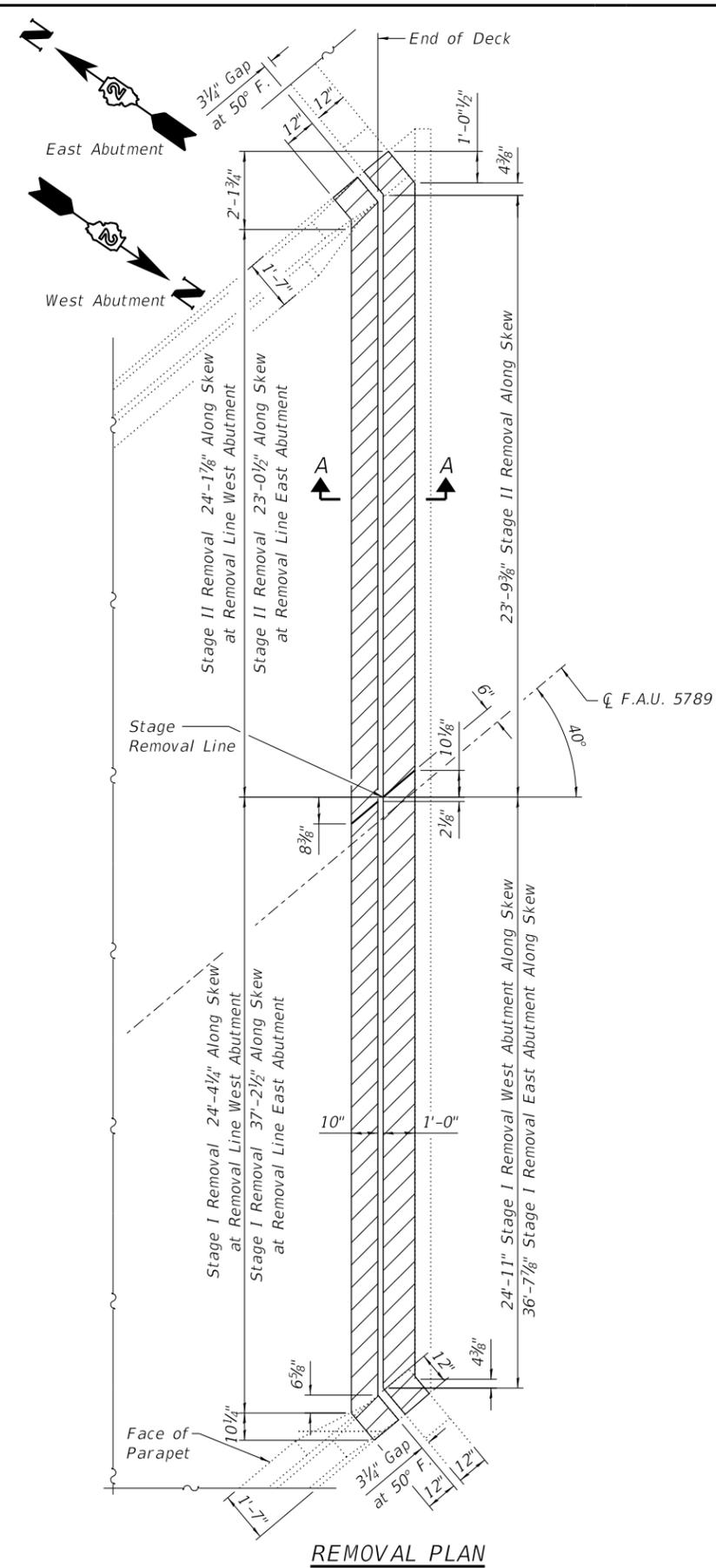
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 037-0141

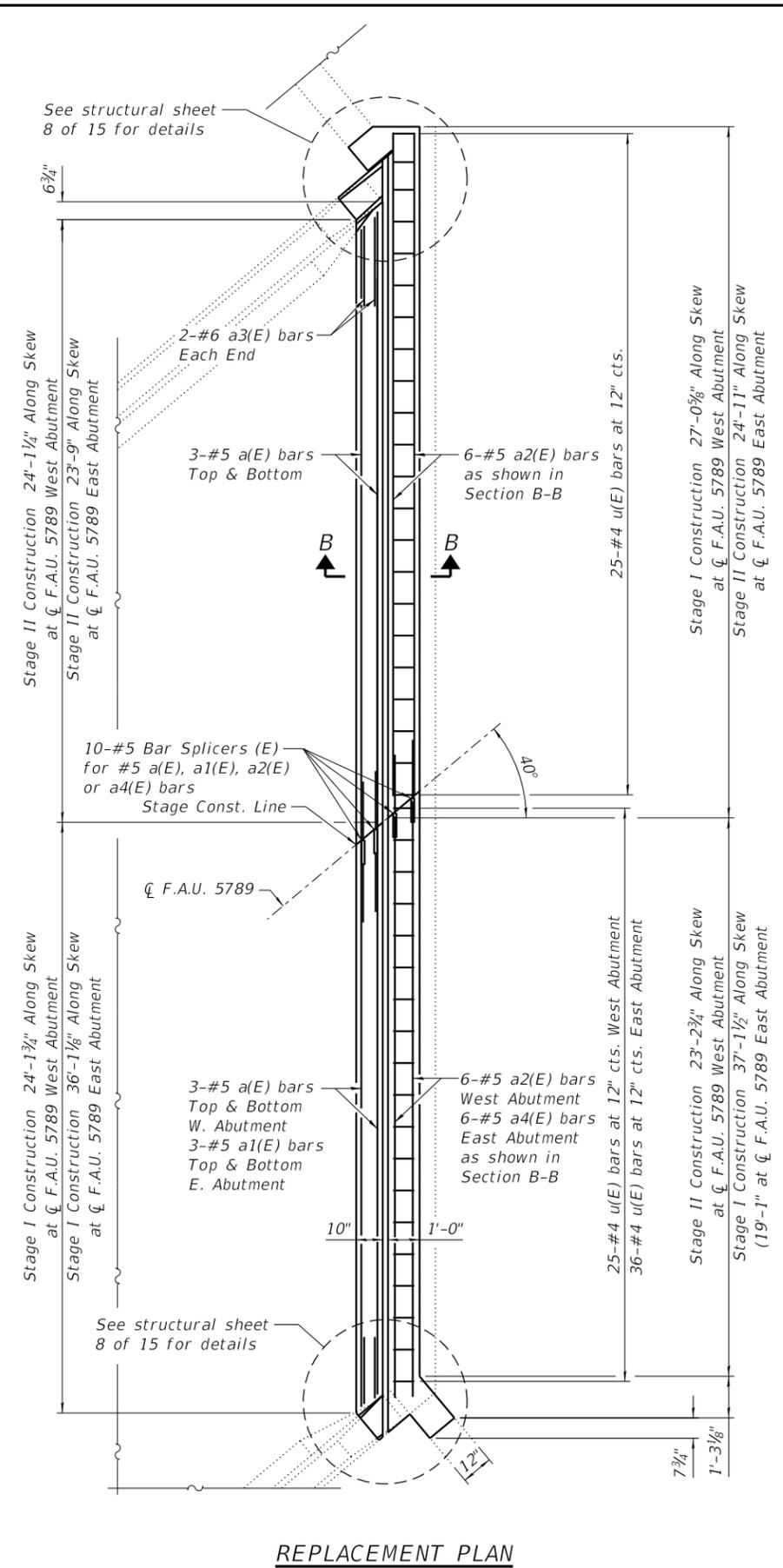
STRUCTURAL SHEET 6 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	19
WHA# 1427D18		CONTRACT NO. 64P52		
ILLINOIS FED. AID PROJECT STP-RVET (973)				

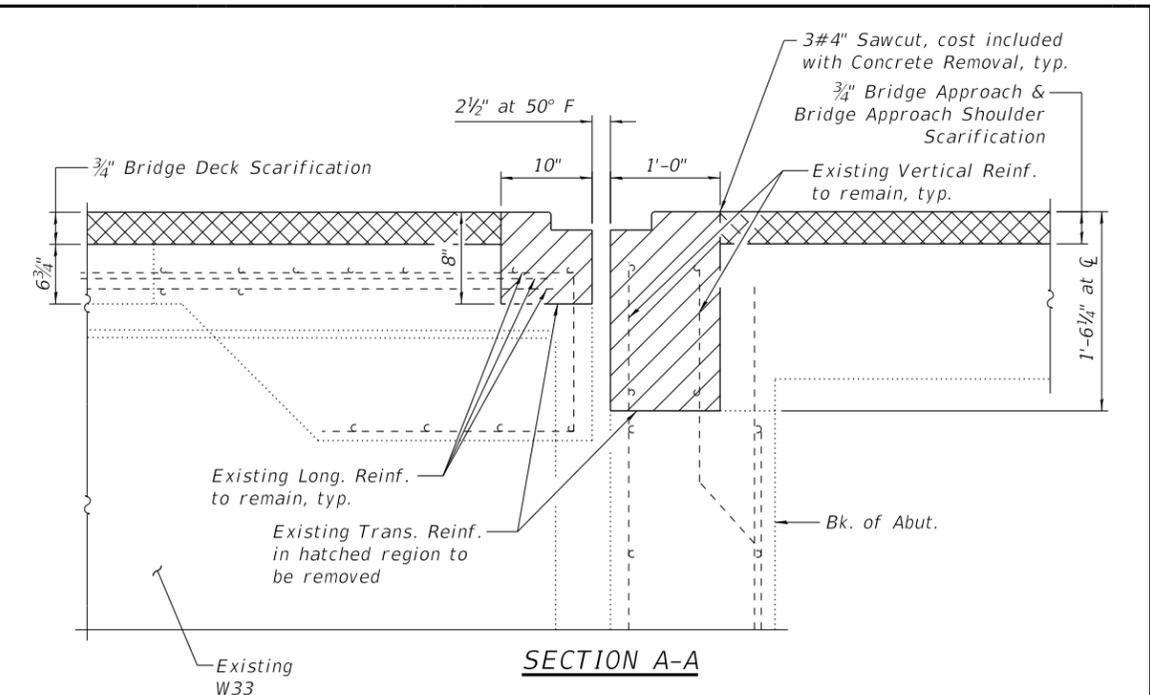
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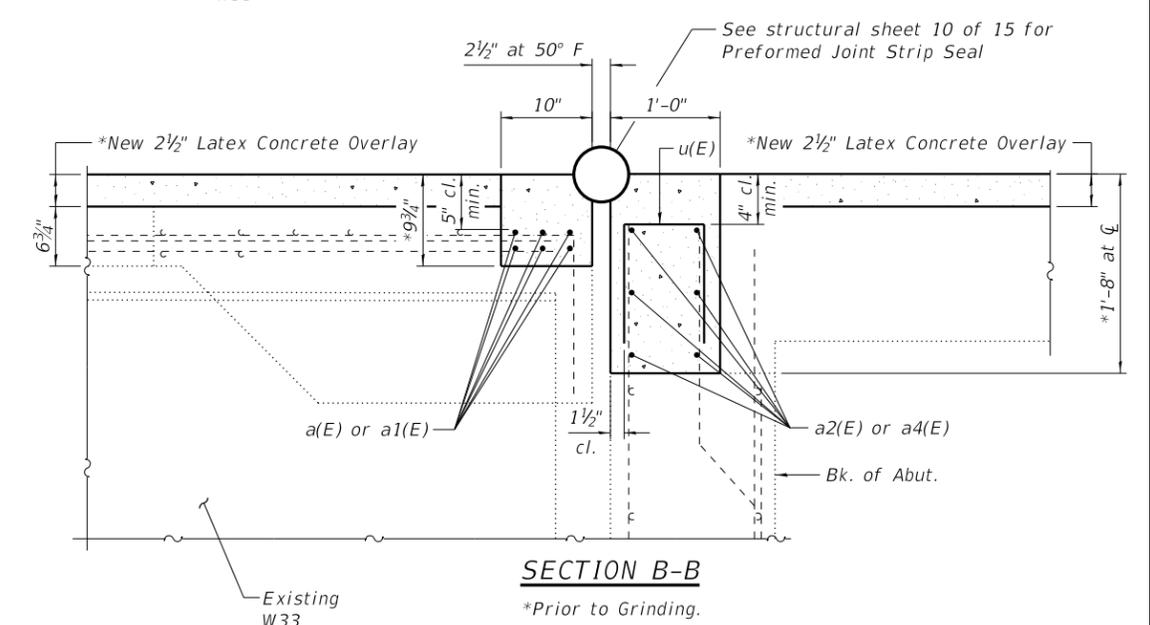
REMOVAL PLAN



REPLACEMENT PLAN



SECTION A-A



SECTION B-B

LEGEND:

- Concrete Removal
- Bridge Deck, Approach Slab & Approach Shoulder Scarification

NOTES:

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during Concrete Removal shall be replaced with approved bar splicer or anchorage system. Cost included with Concrete Removal.

See Structural Sheet 9 of 15 for Sections, Bill of Material and Reinforcement Bending Diagrams.

For Overlay details, see Cross Sections on Structural Sheets 2-5 of 15.



USER NAME = jordan	DESIGNED - JKP	REVISED -
PLOT SCALE = 2.0000' / 1"	DRAWN - FDL	REVISED -
PLOT DATE = 10/26/2020	CHECKED - BKC	REVISED -
	DATE - 06/05/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

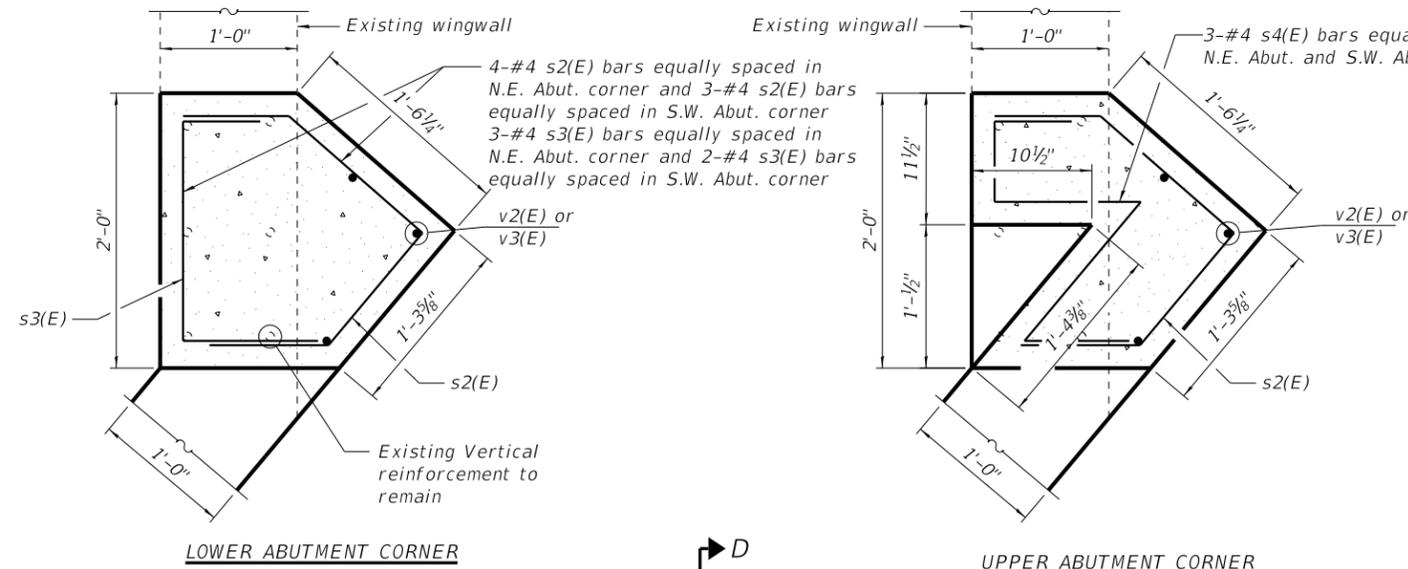
**ABUTMENT JOINT REPLACEMENT DETAILS
STRUCTURE NO. 037-0141**

STRUCTURAL SHEET 7 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	20
WHA# 1427D18		CONTRACT NO. 64P52		

ILLINOIS FED. AID PROJECT STP-RVET (973)

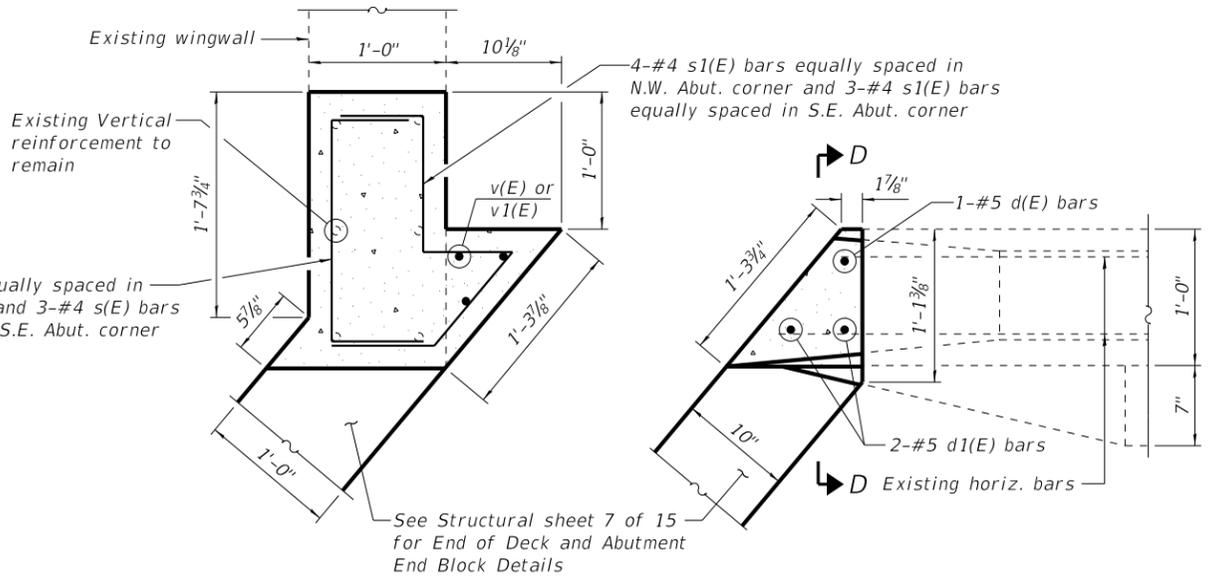
FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 9\1427D18-Abutment Joint Corner Details.dgn



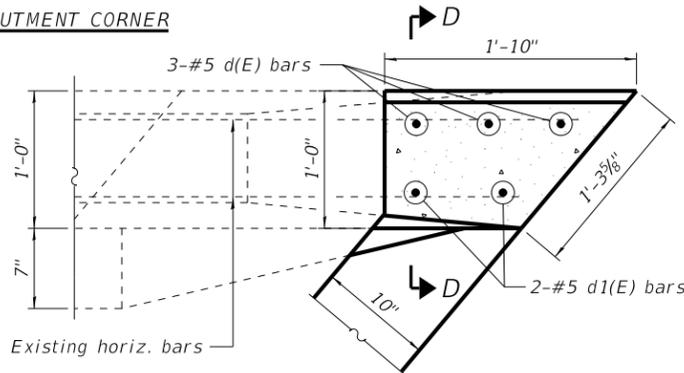
LOWER ABUTMENT CORNER

UPPER ABUTMENT CORNER

4-#4 s(E) bars equally spaced in N.W. Abut. corner and 3-#4 s(E) bars equally spaced in S.E. Abut. corner

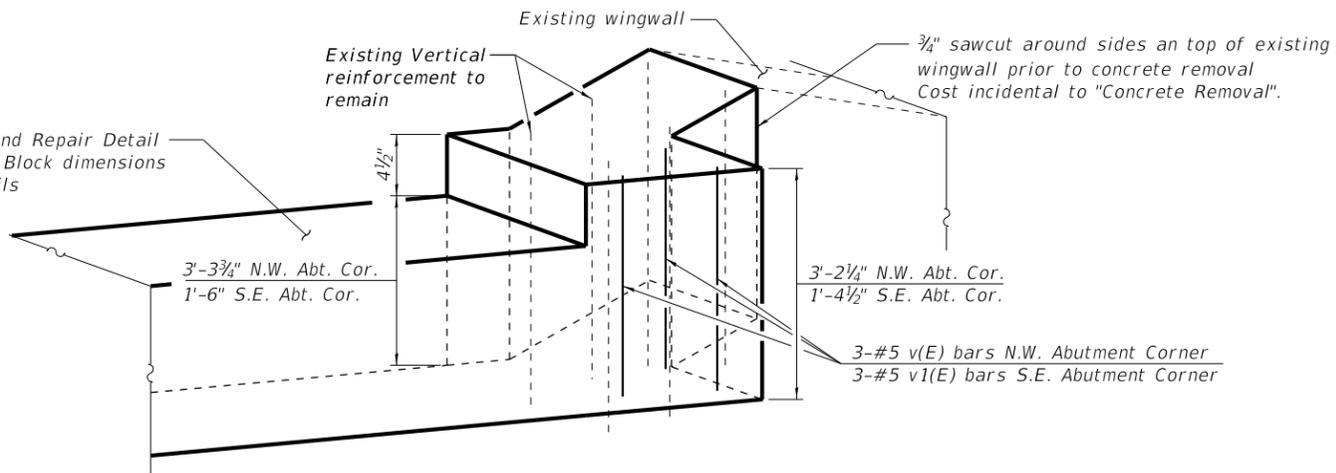


N.W. & S.E. ABUTMENT CORNER PLAN VIEW AT APPROACH & DECK LOCATIONS



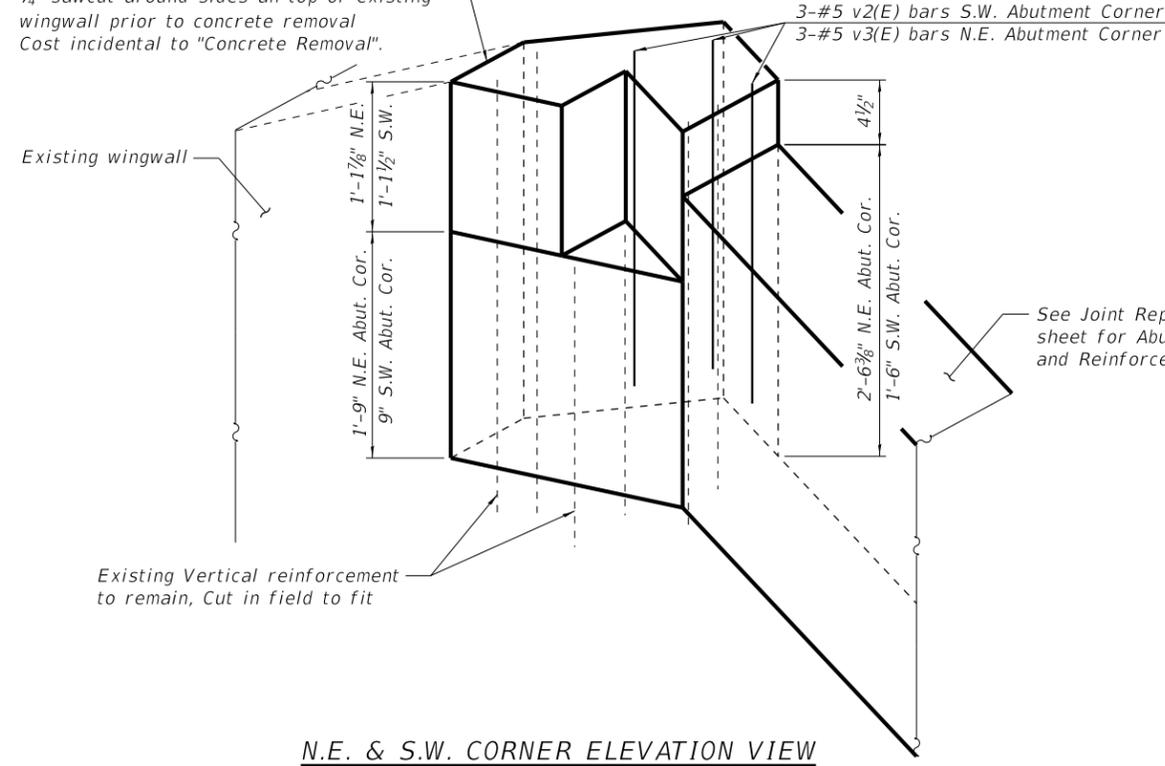
N.E. & S.W. ABUTMENT CORNER PLAN VIEW AT APPROACH & DECK LOCATIONS

See Joint Replacement and Repair Detail sheet for Abutment End Block dimensions and Reinforcement Details



N.W. & S.E. CORNER ELEVATION VIEW

3/4" sawcut around sides on top of existing wingwall prior to concrete removal. Cost incidental to "Concrete Removal".



N.E. & S.W. CORNER ELEVATION VIEW

NOTE:
See structural sheet 9 of 15 for Bar bending diagrams and Bill of Material



USER NAME = jordan	DESIGNED - JKP	REVISED -
PLOT SCALE = 0.1667' / 1"	DRAWN - RDA	REVISED -
PLOT DATE = 10/26/2020	CHECKED - BKC	REVISED -
	DATE - 06/05/2020	REVISED -

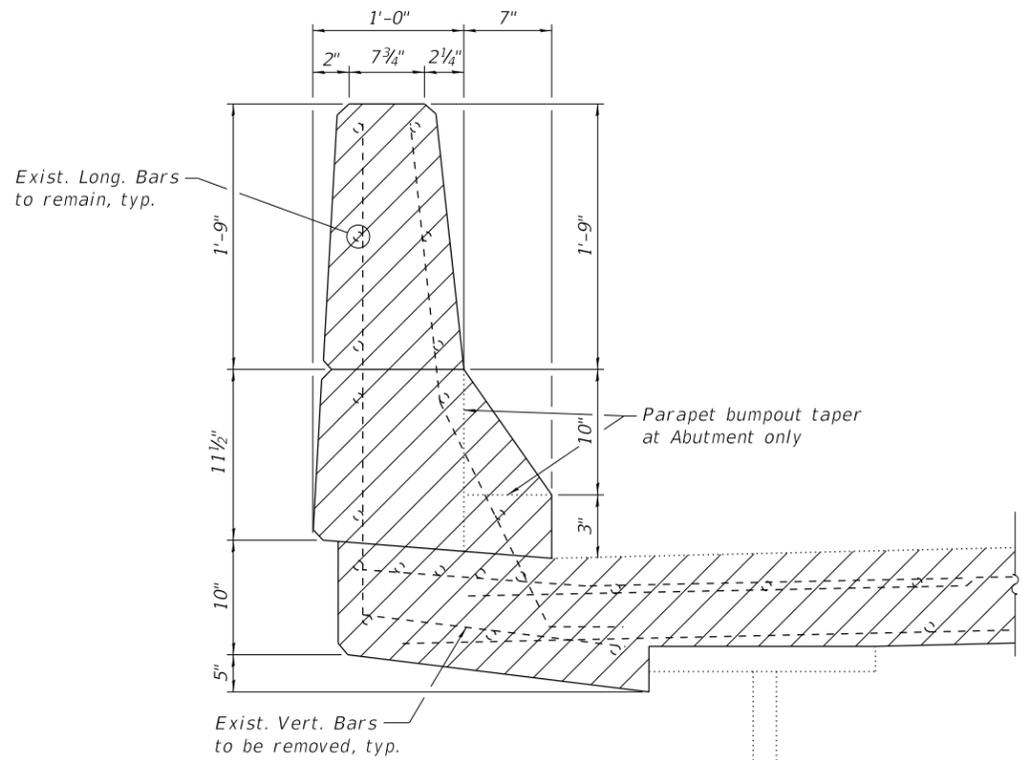
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ABUTMENT CORNER REPLACEMENT DETAILS
STRUCTURE NO. 037-0141**

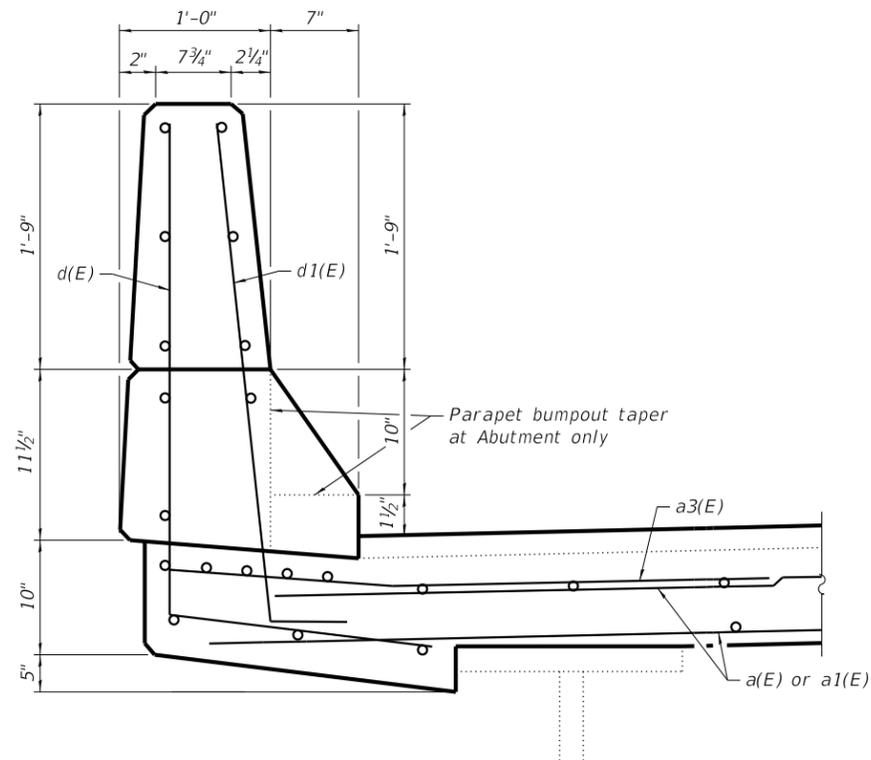
STRUCTURAL SHEET 8 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	21
WHA# 1427D18		CONTRACT NO. 64P52		
ILLINOIS FED. AID PROJECT STP-RVET (973)				

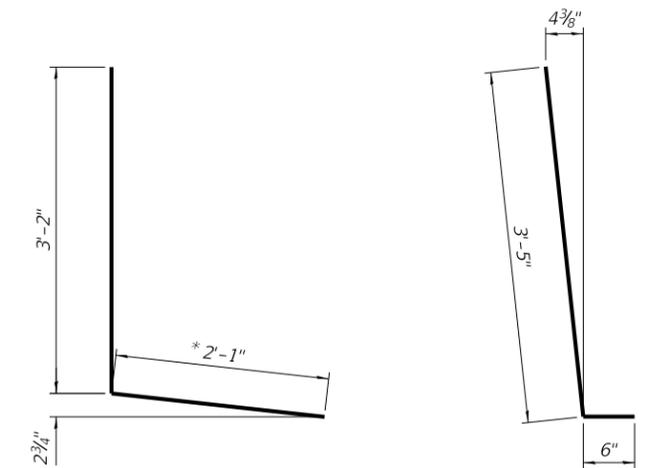
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SECTION C-C
(Showing Removal)



SECTION C-C
(Showing Proposed Repair)



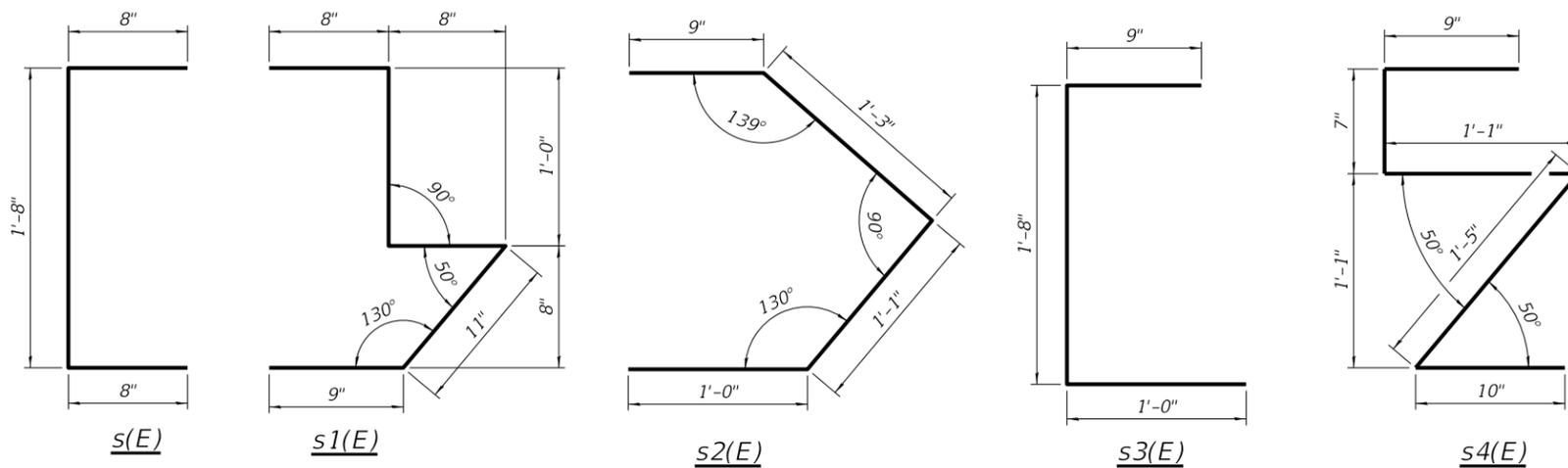
d(E) BAR
*Cut leg in field to fit.

d1(E) BAR

u(E) BAR

NOTE:

Parapet in Sections shown with full cross section. Actual width will vary due to the curb taper when nearing abutment.



LEGEND:

Concrete Removal

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	18	#5	23'-11"	—
a1(E)	6	#5	35'-8"	—
a2(E)	12	#5	24'-9"	—
a3(E)	8	#6	4'-3"	—
a4(E)	4	#5	35'-6"	—
d(E)	8	#5	5'-3"	L
d1(E)	8	#5	3'-11"	L
h(E)	48	#4	3'-0"	—
s(E)	7	#4	3'-0"	[
s1(E)	7	#4	4'-0"]
s2(E)	7	#4	4'-1"	>
s3(E)	5	#4	3'-5"	[
s4(E)	6	#4	4'-8"]
u(E)	119	#5	2'-10"	□
v(E)	3	#5	3'-0"	—
v1(E)	3	#5	1'-2"	—
v2(E)	3	#5	1'-8"	—
v3(E)	3	#5	2'-9"	—
Concrete Removal		Cu. Yd.	9.9	
Concrete Superstructure		Cu. Yd.	10.6	
Reinforcement Bars, Epoxy Coated		Pound	1,810	
Bar Splicers		Each	24	



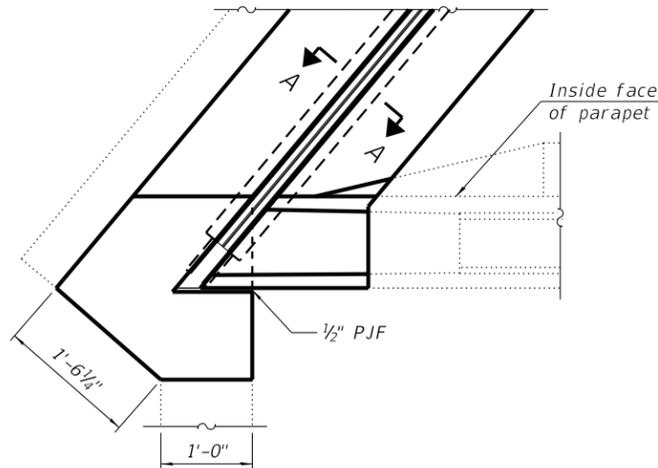
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PLOT SCALE = 2.0000' / 1"	DRAWN - RDA	REVISED -
PLOT DATE = 10/26/2020	CHECKED - BKC	REVISED -
	DATE - 06/05/2020	REVISED -

STATE OF ILLINOIS
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JOINT REPLACEMENT AND REPAIR DETAIL
STRUCTURE NO. 037-0141

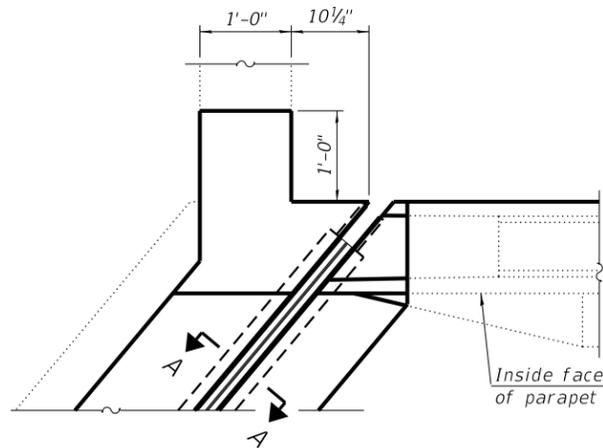
STRUCTURAL SHEET 9 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	22
WHA# 1427018		CONTRACT NO. 64P52		
ILLINOIS FED. AID PROJECT STP-RVET (973)				



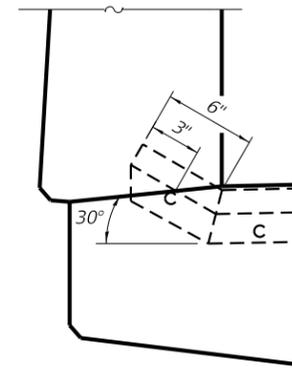
PLAN AT PARAPET

(S.W. Corner of W. Abutment shown
N.E. Corner of E. Abutment Similar)

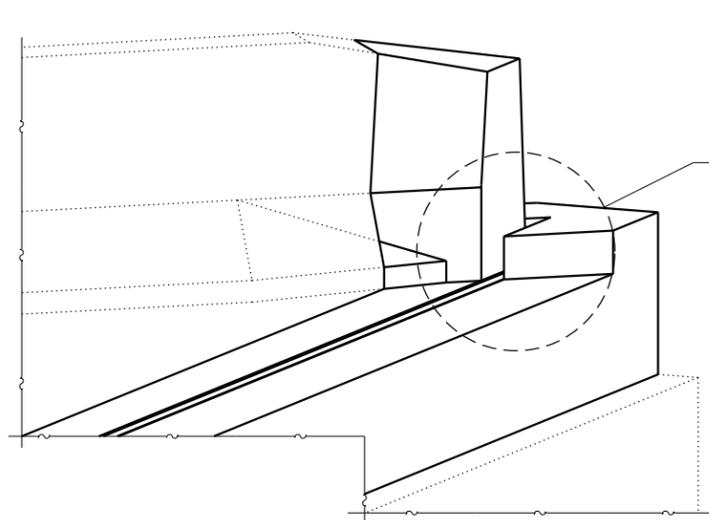


PLAN AT PARAPET

(N.W. Corner of W. Abutment shown
S.E. Corner of E. Abutment Similar)

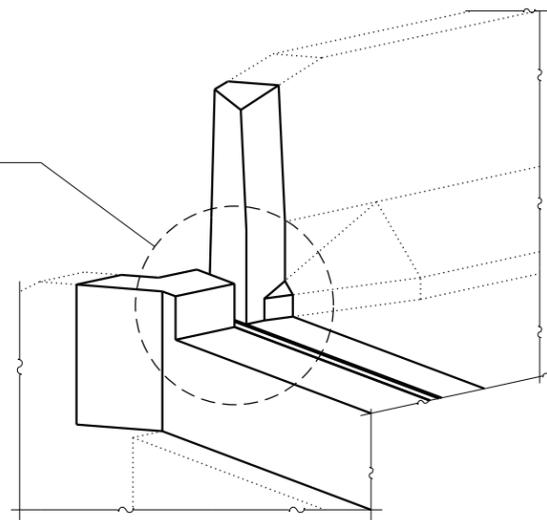


DETAIL A



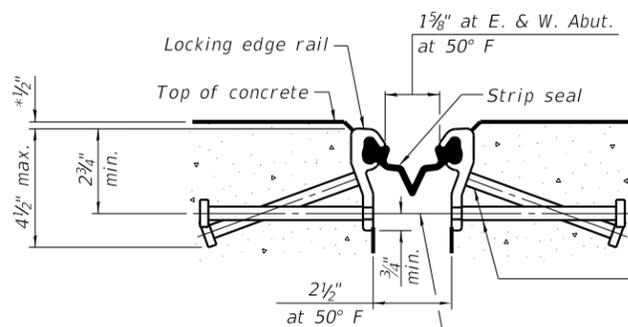
TRIMETRIC VIEW

(N.E. Corner of E. Abutment shown
S.W. Corner of W. Abutment Similar)



TRIMETRIC VIEW

(S.W. Corner of E. Abutment shown
N.E. Corner of W. Abutment Similar)



SHOWING ROLLED RAIL JOINT

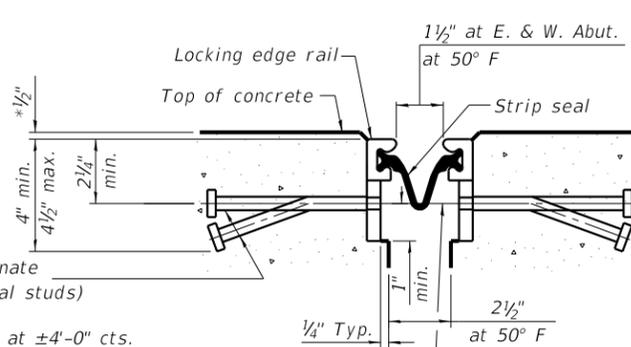
*Prior to Grinding

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

3/8" φ threaded rods in 7/16" φ holes at ±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.

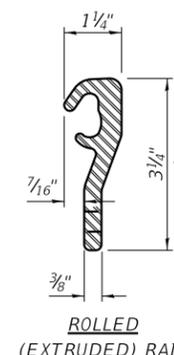
SECTION A-A

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

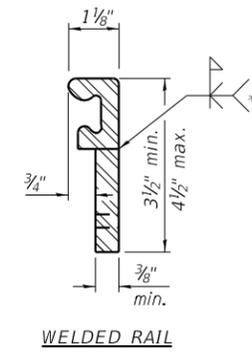


SHOWING WELDED RAIL JOINT

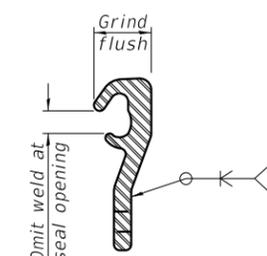
*Prior to Grinding



ROLLED (EXTRUDED) RAIL



WELDED RAIL



LOCKING EDGE RAIL SPLICE

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

LOCKING EDGE RAILS

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

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	110

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 9\1427D18-Preformed Joint Strip Seal_Details.dgn



USER NAME = jordan
DESIGNED - EEL
DRAWN - BKC
PLOT SCALE = 0.1667 ' / 1".
CHECKED - FDL
PLOT DATE = 10/26/2020
DATE - BKC

DESIGNED - EEL
DRAWN - BKC
CHECKED - FDL
DATE - BKC

REVISED -
REVISED -
REVISED -
REVISED -

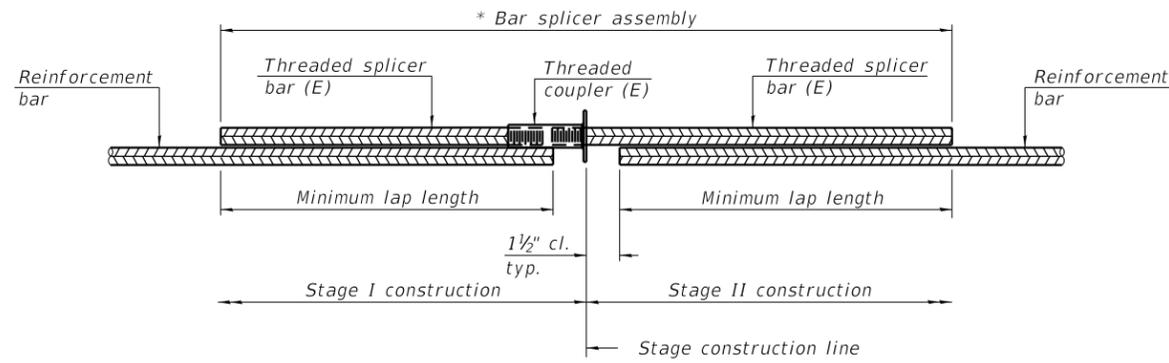
STATE OF ILLINOIS
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MODIFIED PREFORMED JOINT STRIP SEAL
STRUCTURE NO. 037-0141

STRUCTURAL SHEET 10 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	23
WHA# 1427D18		CONTRACT NO. 64P52		

ILLINOIS FED. AID PROJECT STP-RVET (973)



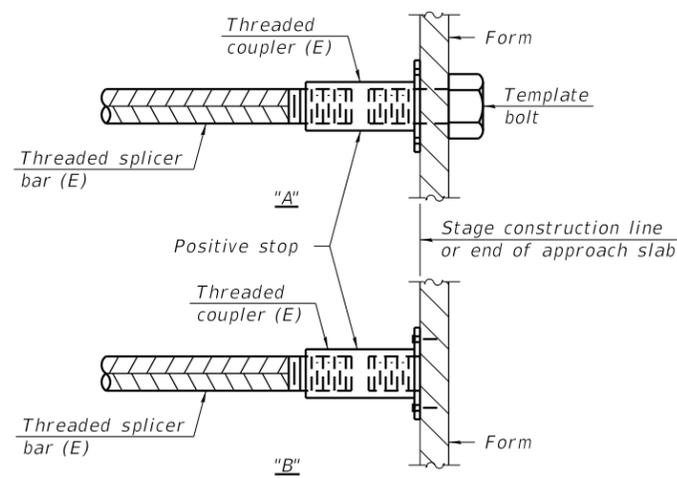
STANDARD BAR SPLICER ASSEMBLY PLAN
 (All components shall be provided from one supplier)

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
W. Abutment	#5	12	3'-6"
E. Abutment	#5	12	3'-6"

** Per Structure

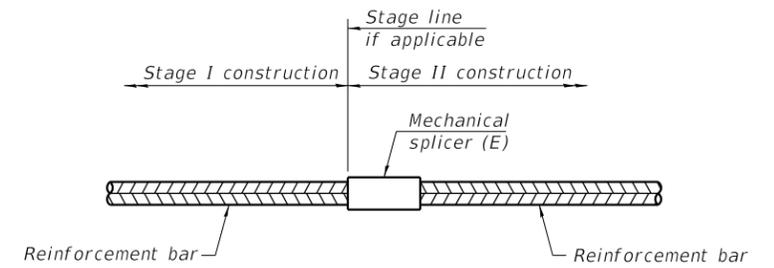


INSTALLATION AND SETTING METHODS

"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.

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\NO 9\1427D18_Bar_Splicer_Details.dgn



USER NAME = jordan	DESIGNED - BHR	REVISED -
	DRAWN - BHR	REVISED -
PLOT SCALE = 0.1667' / 1"	CHECKED - BHC	REVISED -
PLOT DATE = 10/26/2020	DATE - 08/05/2020	REVISED -

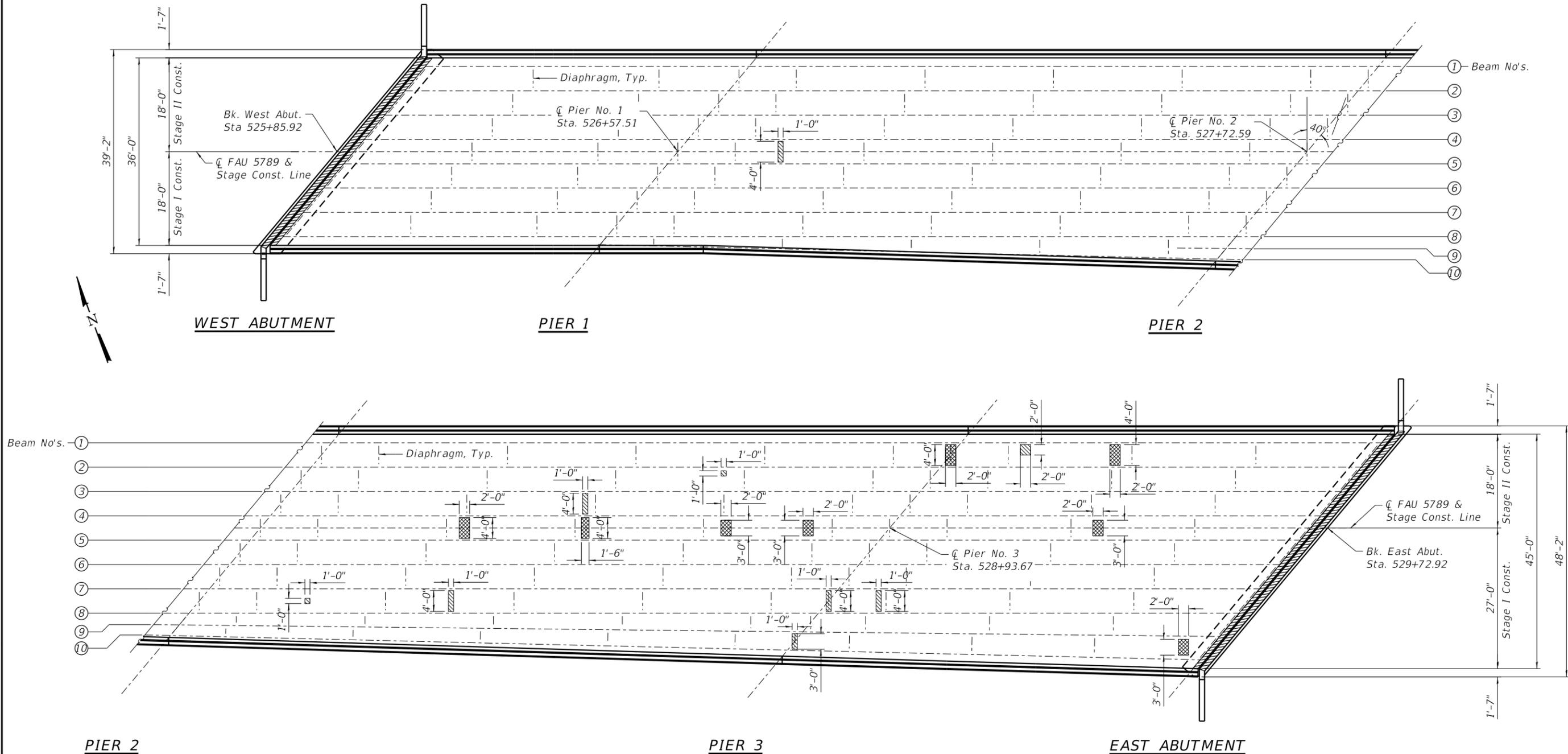
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 STRUCTURE NO. 037-0141

STRUCTURAL SHEET 11 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	24
WHA# 1427D18		CONTRACT NO. 64P52		
ILLINOIS		FED. AID PROJECT STP-RVET (973)		

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\WO 9\1427D18_Deck Repair_Plan.dgn



DECK REPAIR PLAN

BILL OF MATERIAL

Item	Unit	Quantity
Deck Slab Repair (Full Depth Type I)	Sq. Yd.	4
Deck Slab Repair (Full Depth Type II)	Sq. Yd.	6

LEGEND

- Deck Slab Repair (Full Depth - Type I)
- Deck Slab Repair (Full Depth - Type II)
- Joint Repair, See Sheet 7 of 15

NOTES:

Patches shown are on the bottom side of the bridge deck.
Actual location and size of patches to be determined by the Engineer in the field.

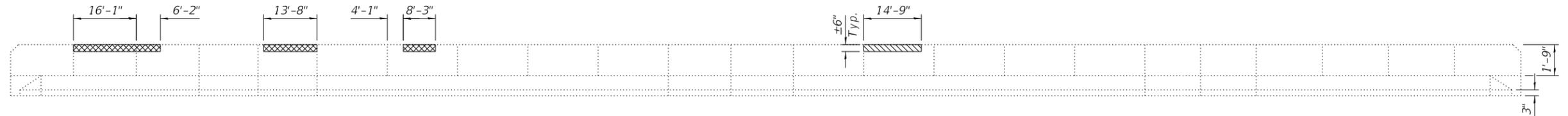


USER NAME = jordan	DESIGNED - JKP	REVISED -
PLOT SCALE = 4.0000' / 1" =	DRAWN - RDA	REVISED -
PLOT DATE = 10/26/2020	CHECKED - BKC	REVISED -
	DATE - 06/05/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DECK PATCHING DETAILS
STRUCTURE NO. 037-0141
STRUCTURAL SHEET 12 OF 15 SHEETS

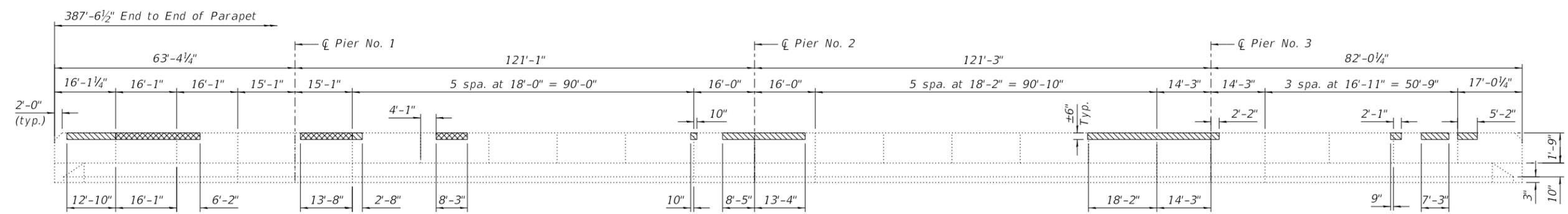
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	25
WHA# 1427D18		CONTRACT NO. 64P52		
ILLINOIS FED. AID PROJECT STP-RVET (973)				



BACK FACE
(See Traffic Face for joint location dimensions)



TOP
(See Traffic Face for joint location dimensions)



TRAFFIC FACE
NORTH PARAPET REPAIRS

- LEGEND**
- Structural Repair of Concrete (Depth ≤ 5")
 - Structural Repair of Concrete (Depth > 5")

NOTE:
See structural sheet 14 of 15 for Bill of Material.
All Concrete Removal Regions shall have a 3/4" sawcut around perimeter prior to Concrete Removal operations. Cost included in Structural Repair of Concrete (Depth Equal to or Less Than 5") or in Structural Repair of Concrete (Depth Greater Than 5").

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD_SHEETS\NO 9\1427D18_Parapet_Details.dgn



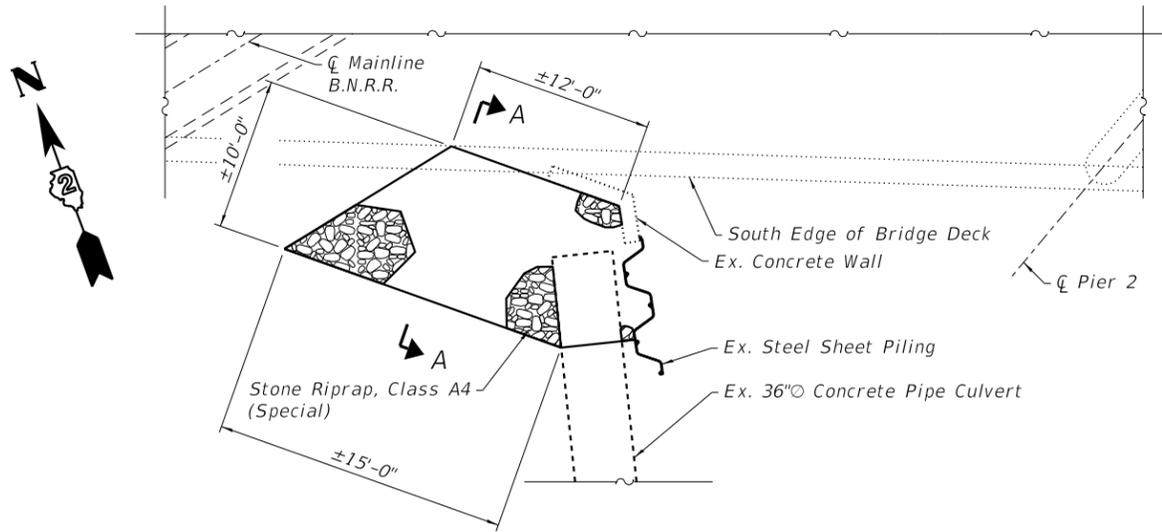
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	DRAWN - RDA	REVISED -
PLOT SCALE = 2.0000' / 1" =	CHECKED - BKC	REVISED -
PLOT DATE = 10/26/2020	DATE - 06/05/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

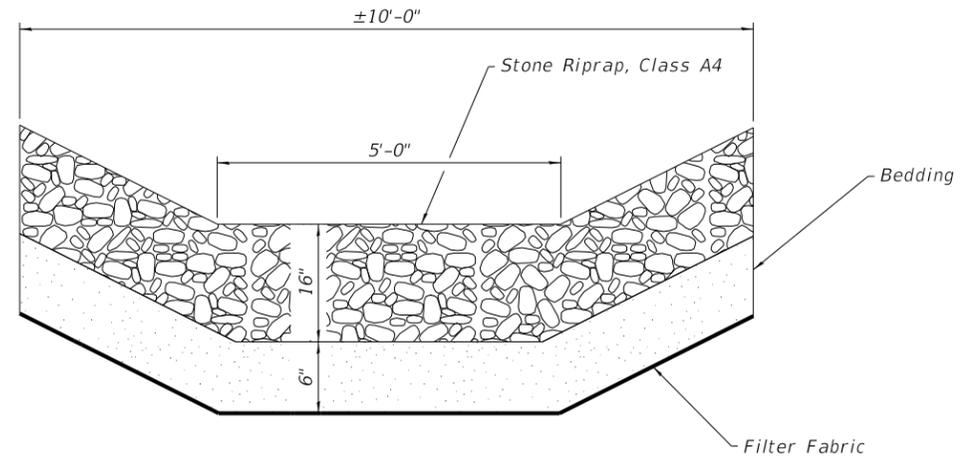
**NORTH PARAPET REPAIR DETAILS
STRUCTURE NO. 037-0141**

STRUCTURAL SHEET 13 OF 15 SHEETS

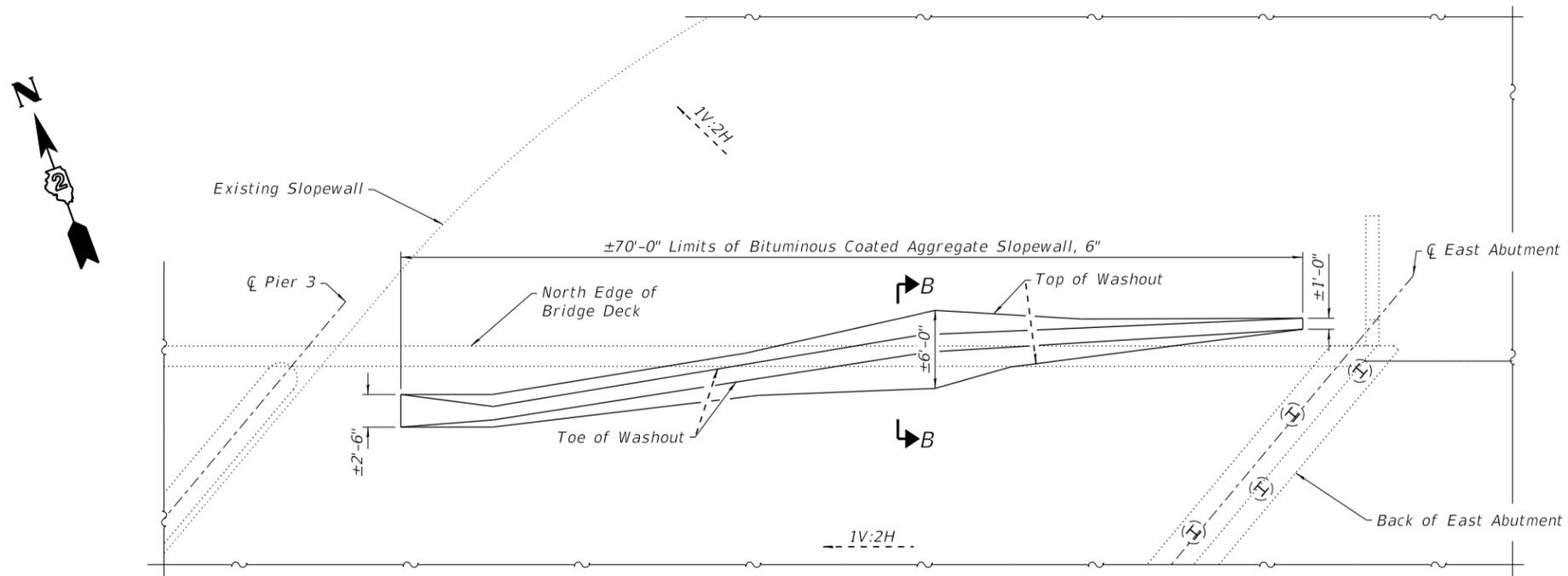
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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WHA# 1427D18		CONTRACT NO. 64P52		
ILLINOIS FED. AID PROJECT STP-RVET (973)				



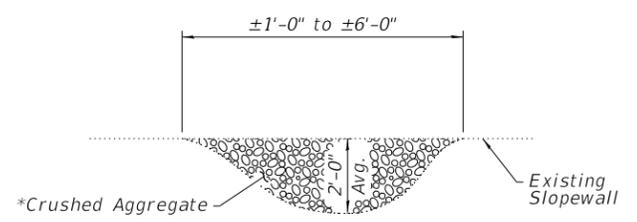
PIPE CULVERT PROTECTION DETAILS



SECTION A-A



SLOPEWALL REPAIR DETAILS



SECTION B-B

* See Special Provisions for gradation requirements.

BILL OF MATERIAL

Item	Unit	Quantity
Stone Riprap, Class A4	Sq. Yd.	17
Filter Fabric	Sq. Yd.	17
Bituminous Coated Aggregate Slopewall, 6"	Ton	42

NOTES:

Crushed aggregate for slopewall repair shall be placed in 6" lifts and mechanically compacted to the satisfaction of the Engineer.

Washout shall be cleared of vegetation and debris prior to placing crushed aggregate.

FILE = S:\PROJECTS\2018\1427D18.IDOT\DESIGN\CAD\SHEETS\NO 9\1427D18_Riprap and Slope Repairs.dgn



USER NAME = jordan	DESIGNED - JKP	REVISED -
PLOT SCALE = 2.0000' / 1"	DRAWN - DAN	REVISED -
PLOT DATE = 10/26/2020	CHECKED - BKC	REVISED -
	DATE - 06/05/2020	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

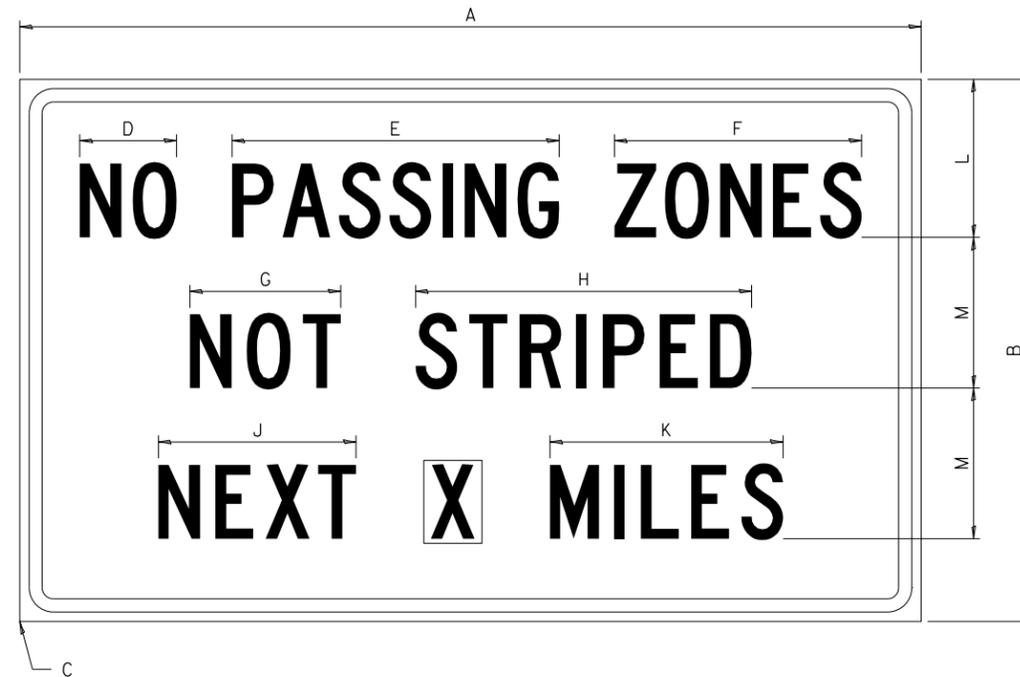
**RIPRAP AND SLOPE REPAIRS
STRUCTURE NO. 037-0141**

STRUCTURAL SHEET 15 OF 15 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	28
WHA# 1427D18		CONTRACT NO. 64P52		
ILLINOIS FED. AID PROJECT STP-RVET (973)				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



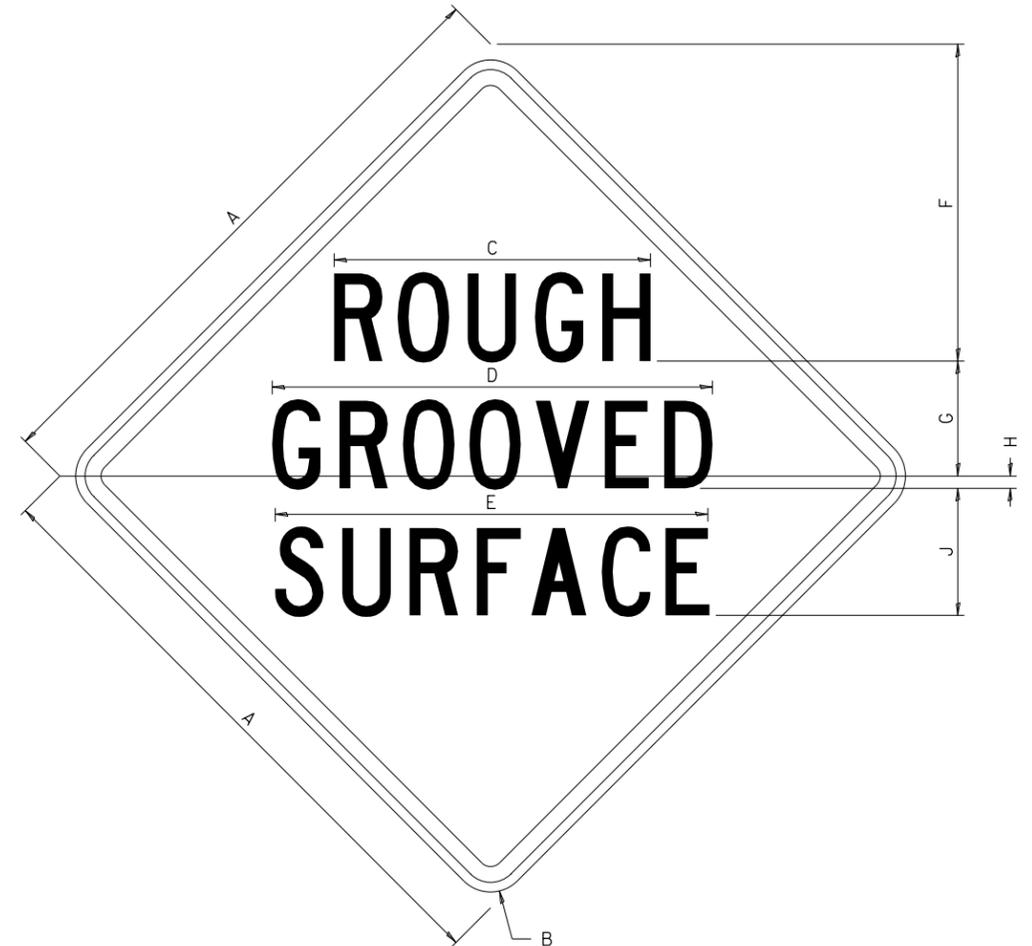
COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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.
5789	40VBR	HENRY	35	29
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

SCALE SHEET XX OF XX SHEETS STA. TO STA.

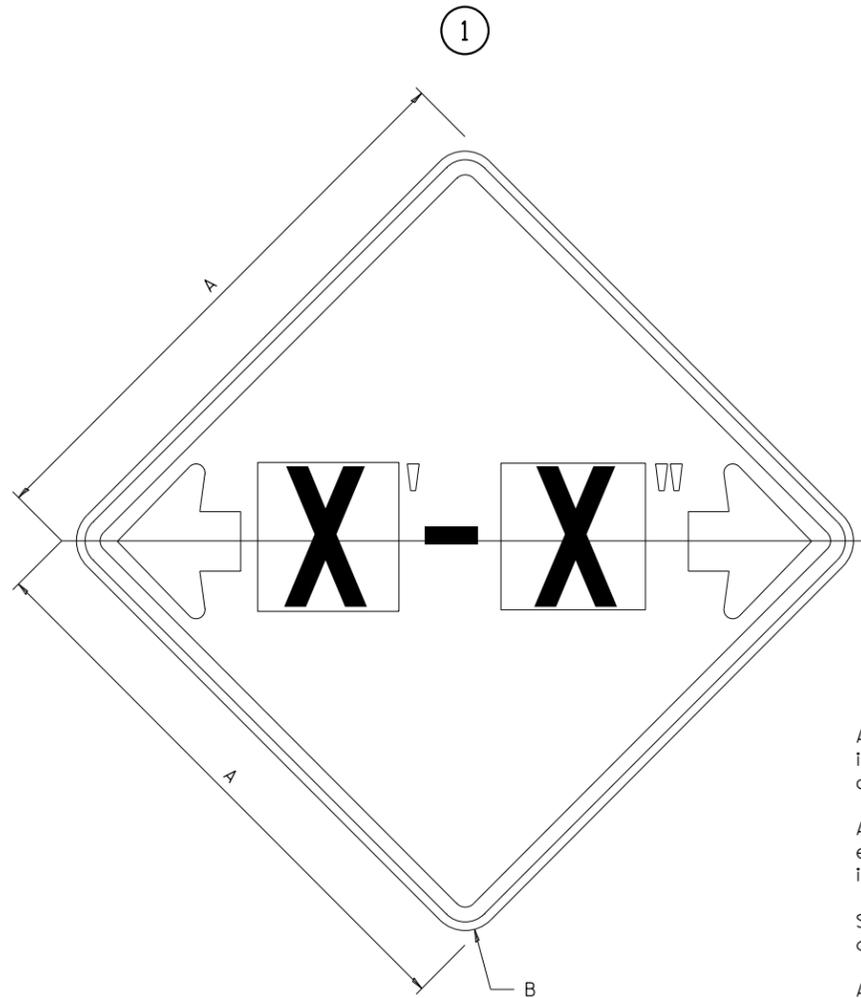
FILE = S:\PROJECTS\2018\1427018.DOT\DESIGN\CAD\SHEETS\W0 9\1427018_W09_District_Details.dgn



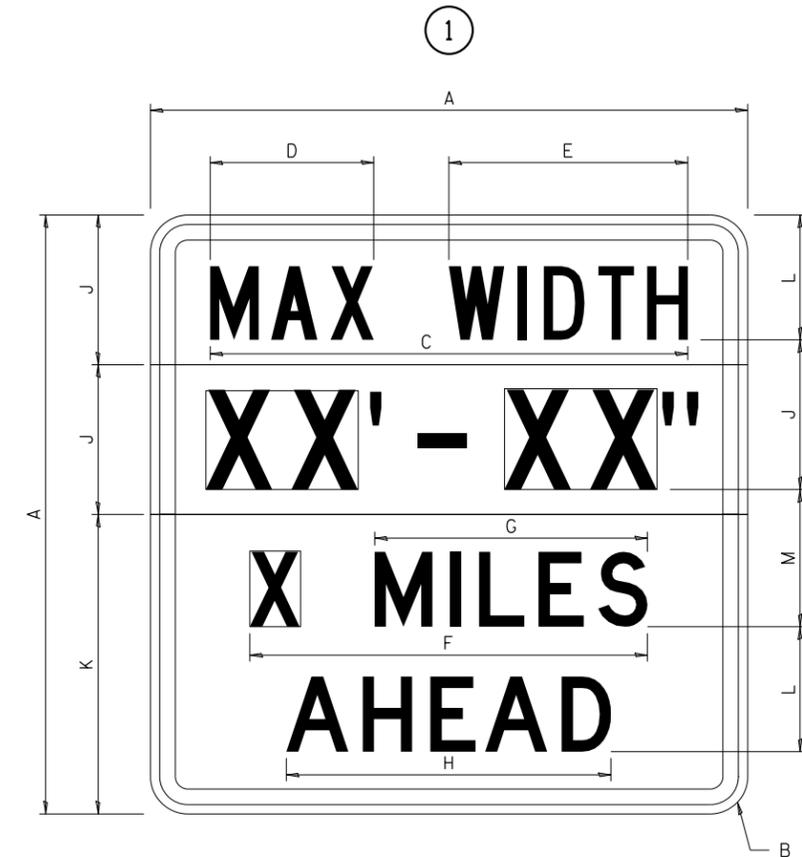
USER NAME = jordan	DESIGNED - MAH	REVISED - 3-02-16
	DRAWN - MAH	REVISED -
PLOT SCALE = 24.0000' / ft.	CHECKED - GFS	REVISED -
PLOT DATE = 8/28/2020	DATE - 8/28/2020	REVISED -

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.

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.

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.IDOT\DESIGN\CAD\SHEETS\W0 9\1427018.W09.District Details.dgn



USER NAME = jordan	DESIGNED - MAH	REVISED - 3-02-16
	DRAWN - MAH	REVISED -
PLOT SCALE = 24.0000' / ft.	CHECKED - GFS	REVISED -
PLOT DATE = 8/28/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

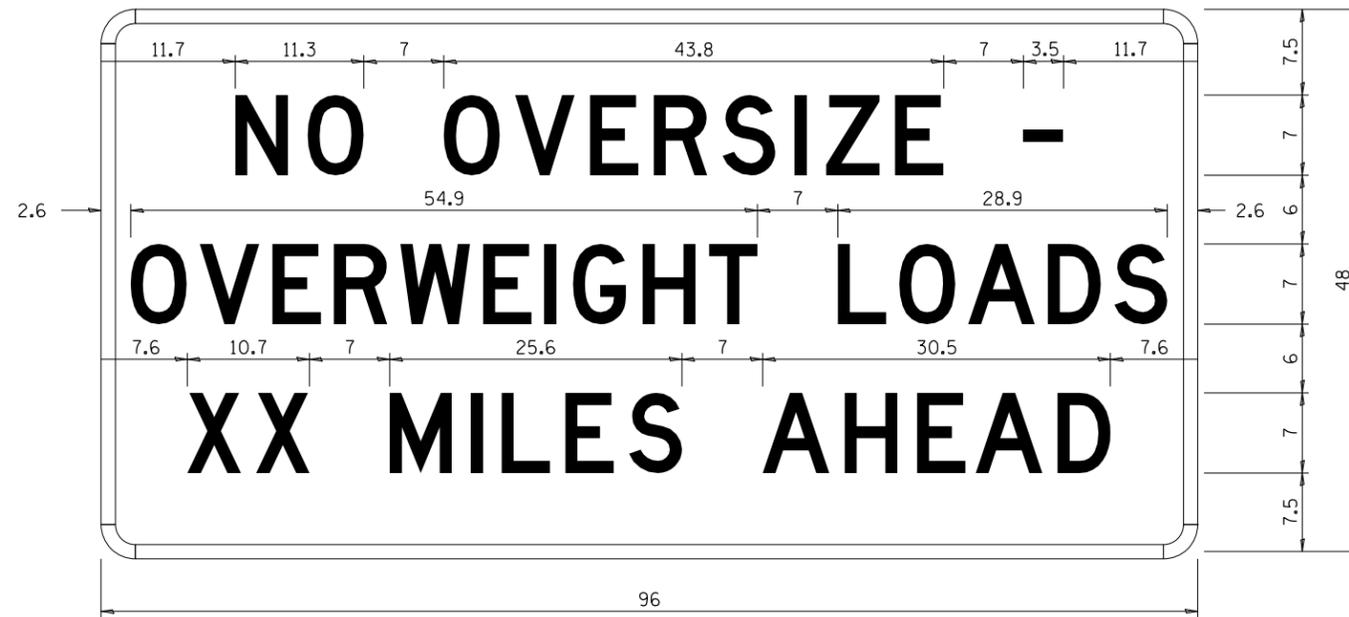
SCALE SHEET XX OF XX SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	30
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

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

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

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.

FILE = S:\PROJECTS\2018\1427018.IDOT\DESIGN\CAD\SHEETS\WO 9\1427018.W09.District Details.dgn



USER NAME = jordan	DESIGNED - MAH	REVISED - 3-02-16
	DRAWN - MAH	REVISED -
PLOT SCALE = 24.0000' / ft.	CHECKED - GFS	REVISED -
PLOT DATE = 8/28/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

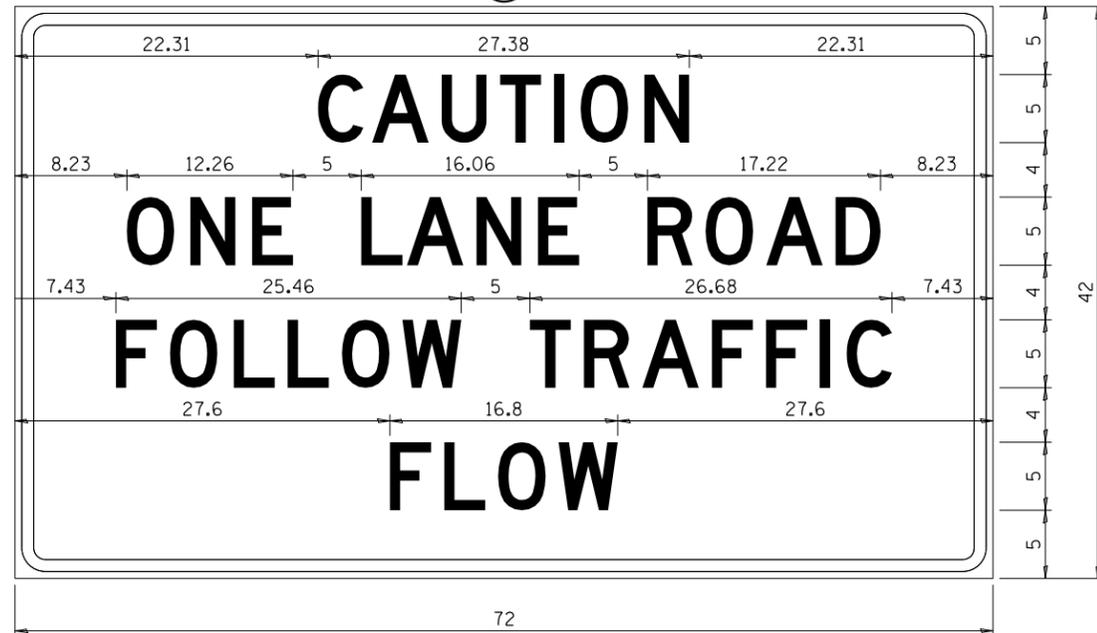
SCALE SHEET XX OF XX SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	31
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

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

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

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

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

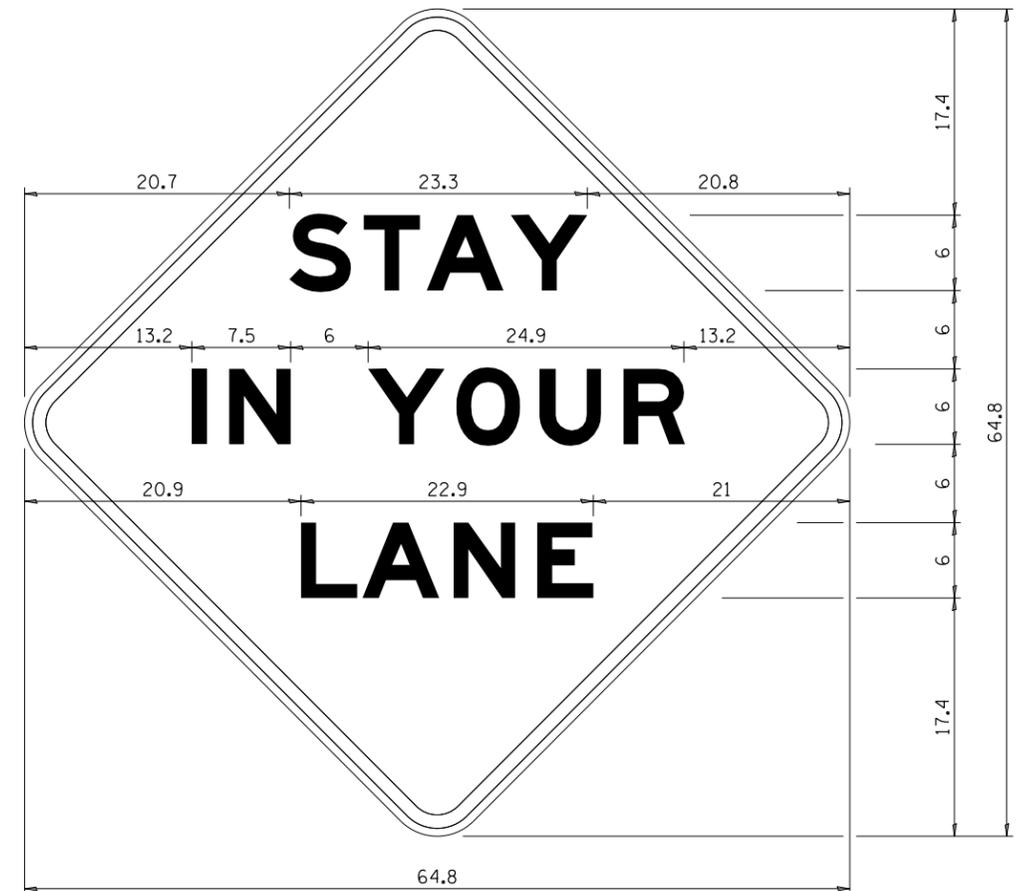
7.43	F	3.04	0.94	O	3.52	1.17	L	3.04	0.94	L	3.05	0.94	O	3.51	0.94	W	4.37
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

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

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

Sign not to scale

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

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.

FILE = S:\PROJECTS\2018\1427018.IDOT\DESIGN\CAD\SHEETS\W09\1427018.W09.District_Details.dgn



USER NAME = jordan
DESIGNED - MAH
DRAWN - MAH
CHECKED - GFS
DATE - 8/28/2020
PLOT SCALE = 24.0000' / ft.
PLOT DATE = 8/28/2020

REVISOR - 3-02-16
REVISOR -
REVISOR -
REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

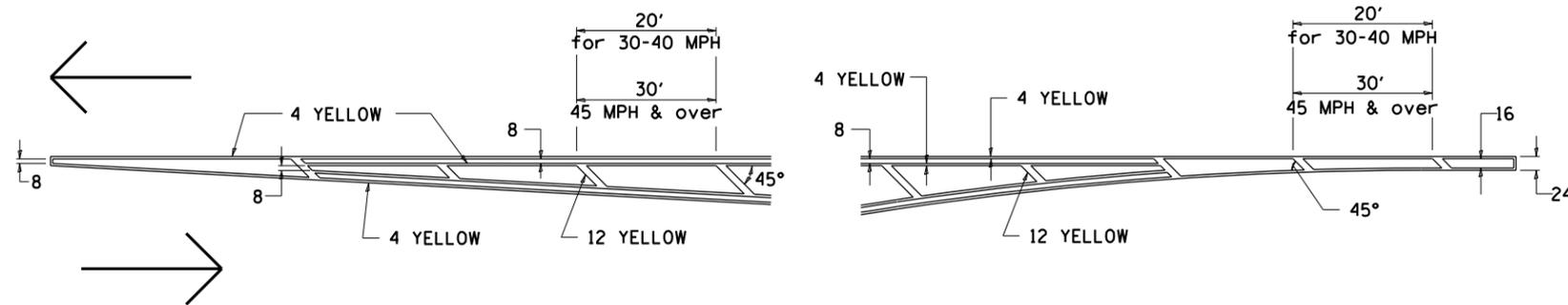
REGION 2 / DISTRICT 2 STANDARD

SCALE SHEET XX OF XX SHEETS STA. TO STA.

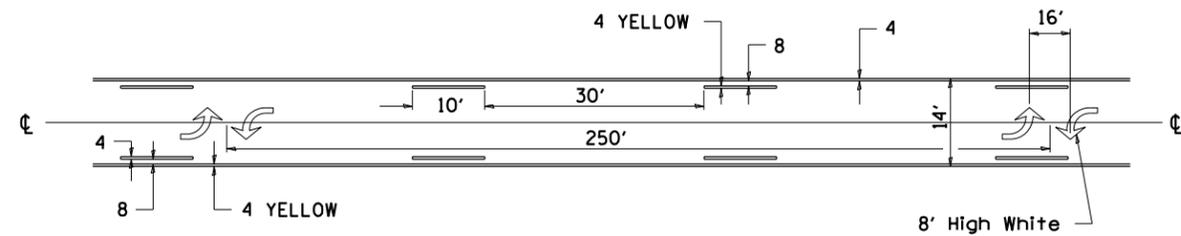
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	32
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

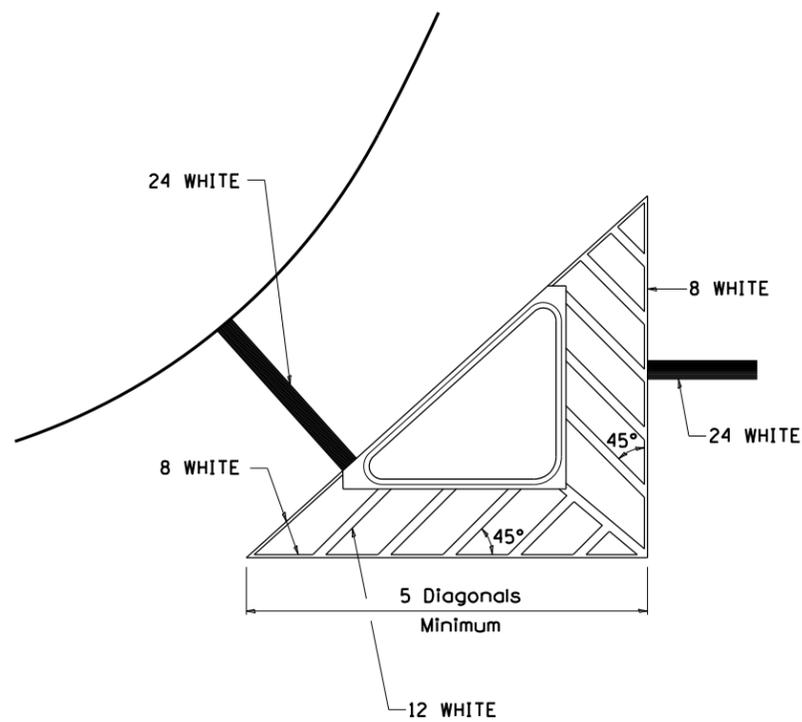


MEDIAN PAVEMENT MARKING



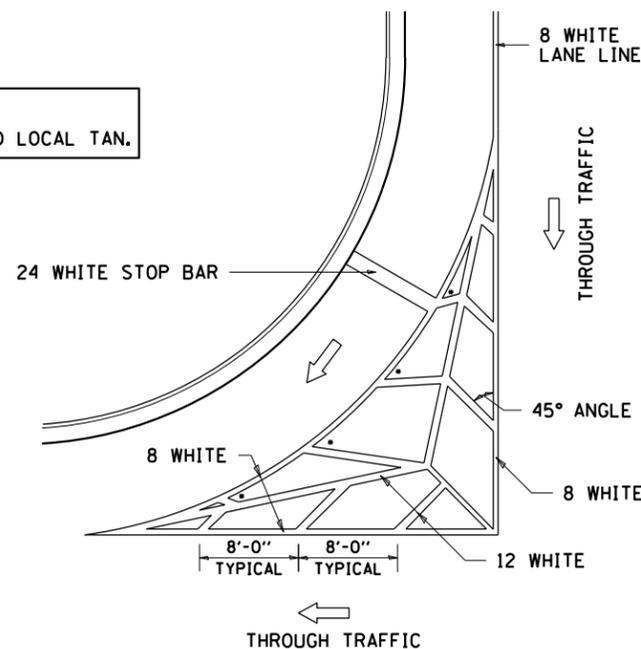
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



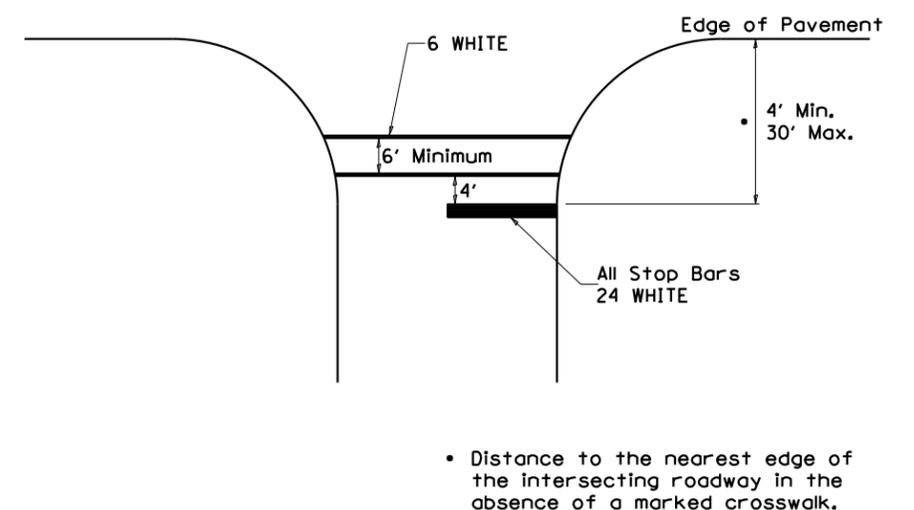
TYPICAL MARKING FOR PAINTED ISLANDS

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\W091427018.W091.District_Details.dgn



USER NAME = jordan	DESIGNED - MAH	REVISED - 6-27-14
	DRAWN - MAH	REVISED - 3-05-12
PLOT SCALE = 24.0000' / ft.	CHECKED - GFS	REVISED -
PLOT DATE = 8/28/2020	DATE - 8/28/2020	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

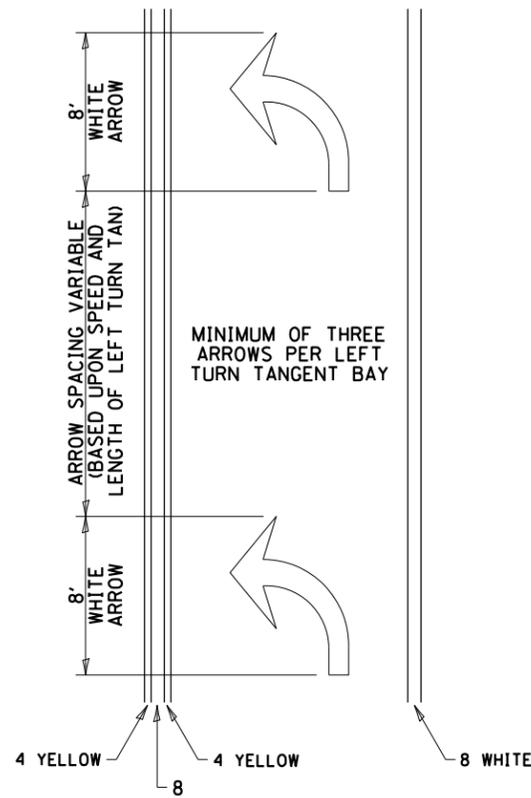
REGION 2 / DISTRICT 2 STANDARD

SCALE SHEET XX OF XX SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	33
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

TYPICAL PAVEMENT MARKINGS

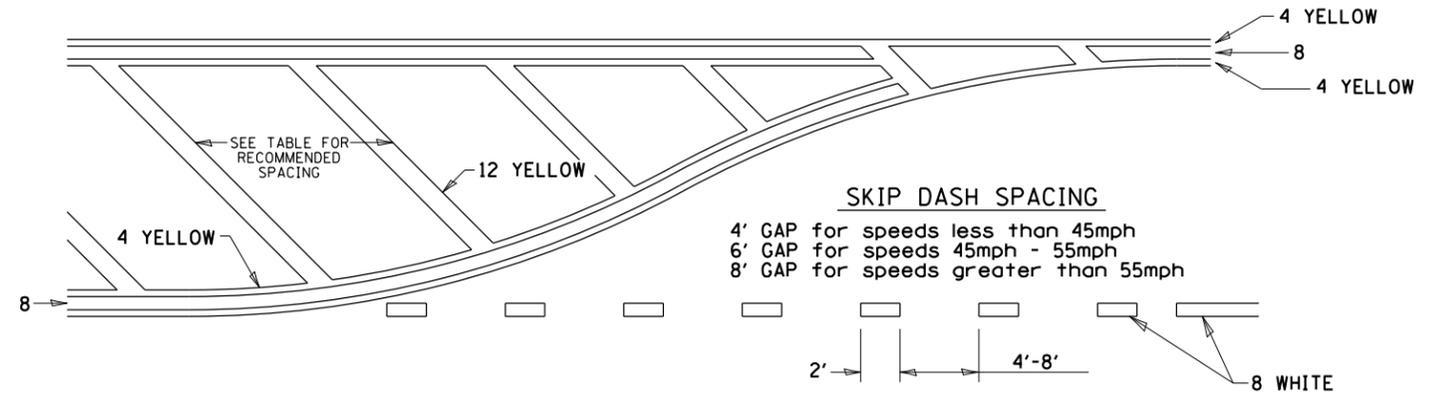
ARROW LAYOUT



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

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

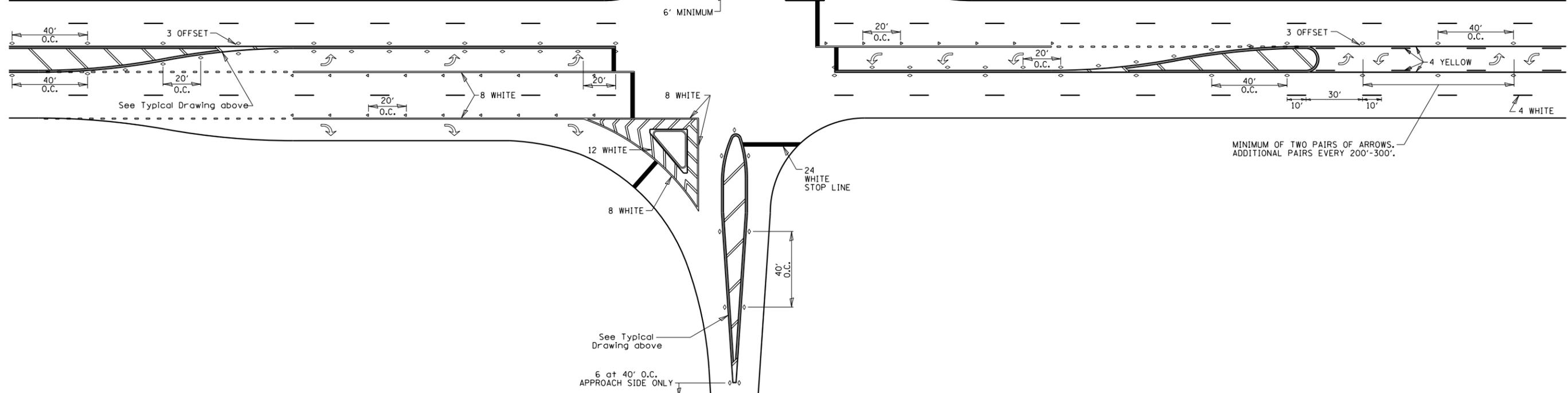
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



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\1427D18.DISTRICT\DESIGN\CAD\SHEETS\W09\1427D18.W09.District_Details.dgn



USER NAME = jordan	DESIGNED - MAH	REVISED - 6-27-14
PLOT SCALE = 24.0000' / ft.	DRAWN - MAH	REVISED - 3-05-12
PLOT DATE = 8/28/2020	CHECKED - GFS	REVISED -
	DATE - 8/28/2020	REVISED -

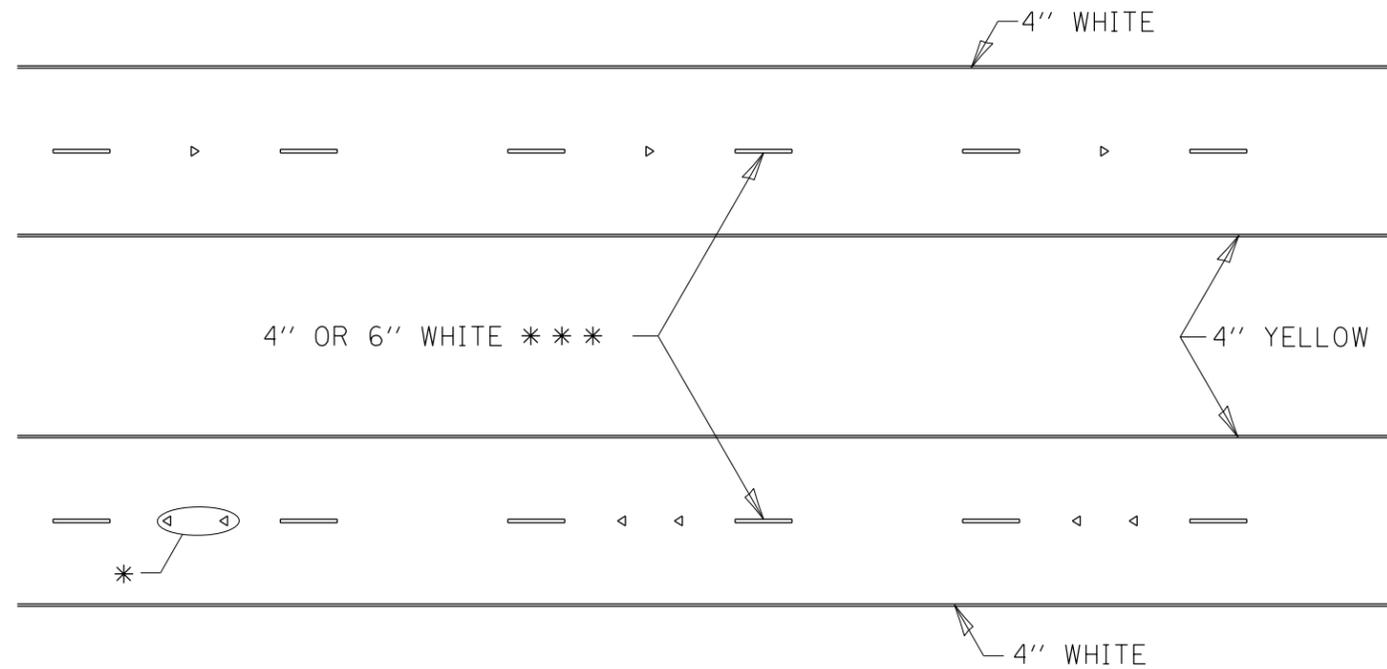
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE SHEET XX OF XX SHEETS STA. TO STA.

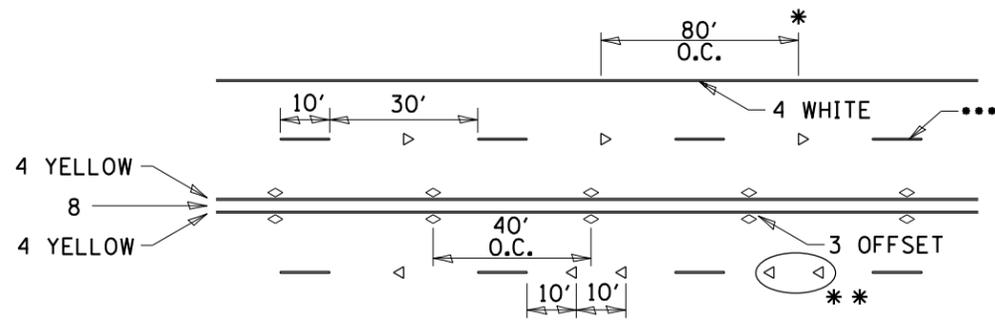
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	40VBR	HENRY	35	34
CONTRACT NO. 64P52				
ILLINOIS FED. AID PROJECT STP-RVET (973)				

TYPICAL PAVEMENT MARKINGS



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

MULTI-LANE / DIVIDED

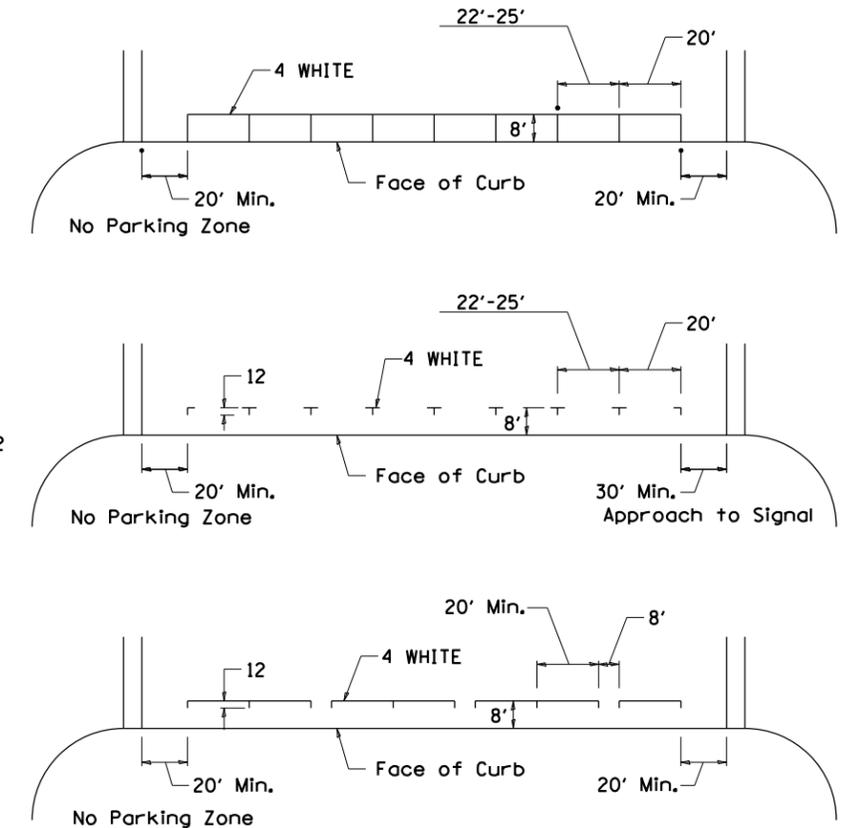


- REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- USE DOUBLE MARKERS WHEN ADT ≥ 20,000
- CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

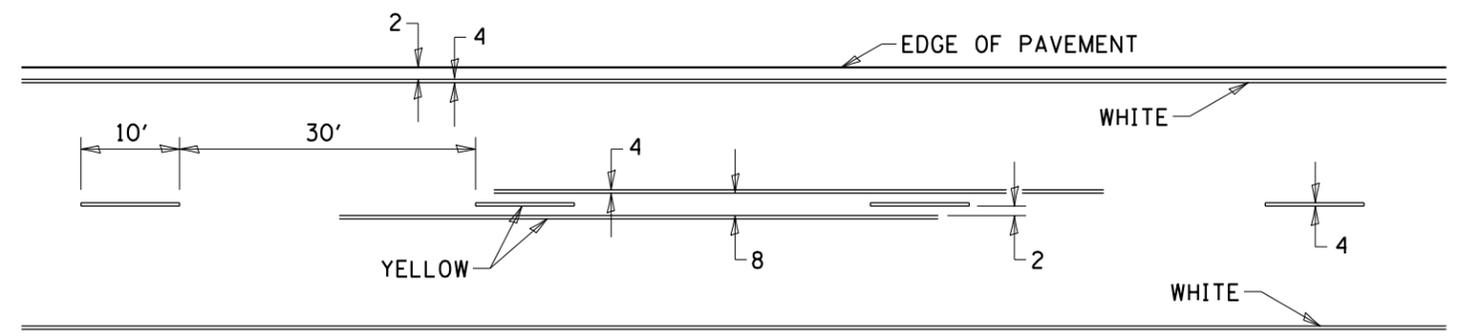
MULTI-LANE / UNDIVIDED & ONE WAY

(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

FILE = S:\PROJECTS\2018\1427018.DISTRICT\DESIGN\CAD\SHEETS\W09\1427018_W09_District_Details.dgn

	USER NAME = jordan	DESIGNED - MAH	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MAH	REVISOR - MAH	REVISOR - 8-27-13				5789	40VBR	HENRY	35	35
PLOT SCALE = 24.0000' / ft.	CHECKED - GFS	REVISOR - 11-28-12					CONTRACT NO. 64P52				
PLOT DATE = 8/28/2020	DATE - 8/28/2020	REVISOR -					ILLINOIS FED. AID PROJECT STP-RVET (973)				