

088

03-08-2019 LETTING ITEM 088

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	1
ILLINOIS			CONTRACT NO. 64N27	

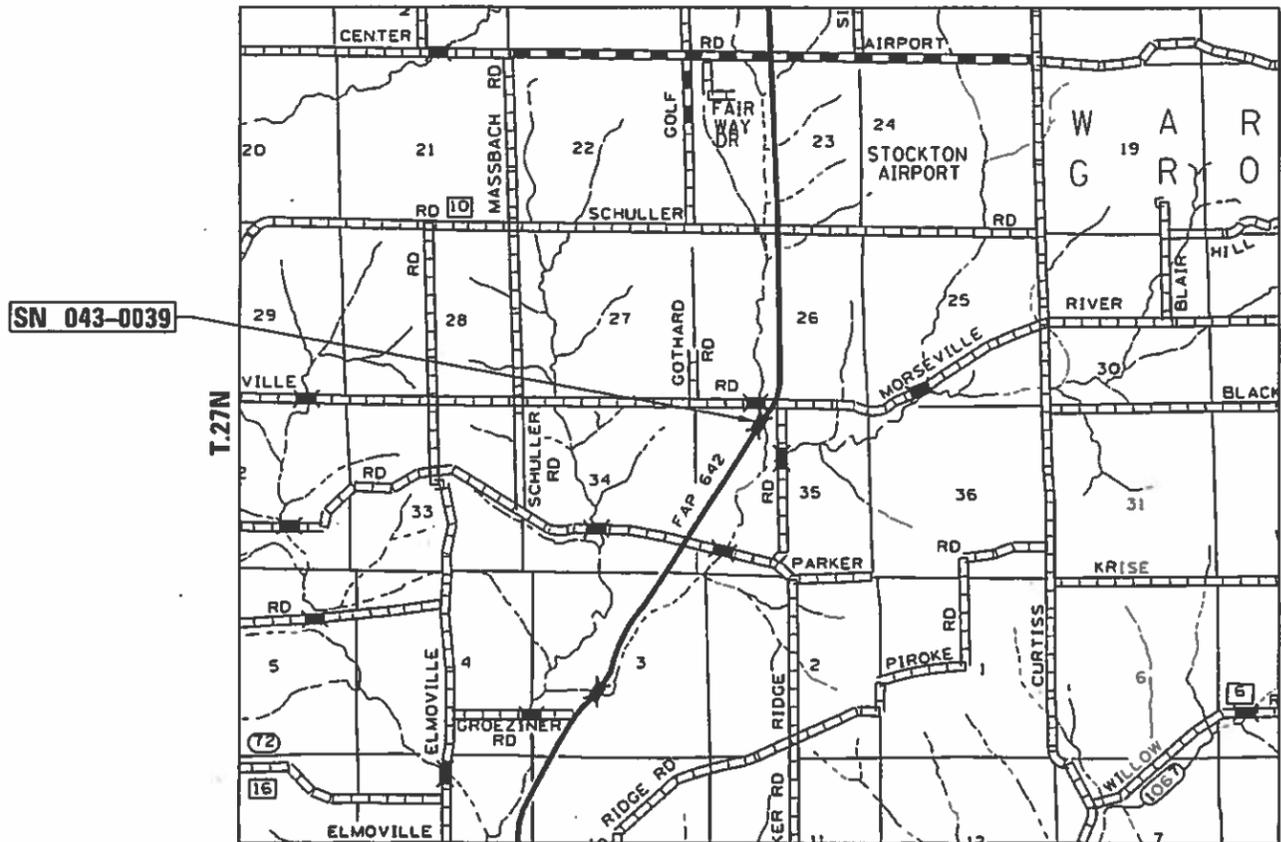
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

FAP ROUTE 642 (IL 78)
SECTION D2 BDR 2019-3
PROJECT
EXPANSION JOINT REPLACEMENT, CONCRETE
OVERLAY, REPAIR & PT. BEAM ENDS
JO DAVIESS COUNTY

C-92-004-19
R.4E

STOCKTON TOWNSHIP - SECTION 35



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

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

PROJECT ENGINEER: MAHMOUD ETEMADI, EXT. 393
PROJECT MANAGER: MAHMOUD ETEMADI, EXT. 393

CONTRACT NO. 64N27

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED *Dec 21, 20 2018*
Kevin Marchek
REGIONAL ENGINEER

Feb 19 2019
ENGINEER OF DESIGN AND ENVIRONMENT

Feb 19 2019
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

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780001	- 05	Typical Pavement Markings
782006		Guardrail and Barrier Wall Reflector MountingDetails
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS &
STATE STANDARDS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	2
CONTRACT NO. 64N27			ILLINOIS FED. AID PROJECT	

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 final top 4 inches of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils. The cost of this work shall be included in the unit prices bid and no additional compensation will be allowed.

All "Aggregate Subgrade Improvement" (Section 303), shall be completed in accordance with Articles 311.04, 311.05, 311.05(a), 311.06 and 311.07. All aggregate subgrade thicknesses equal to or less than 12 inches shall be constructed of aggregate of CA02 gradation. All aggregate subgrade thicknesses greater than 12 inches shall be constructed of CS02.

This structure will retain the same number 043-0039.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
4. Centerline Skip Dash Pavement 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. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

(Type name & phone number of JULIE companies from attached utility form.)

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.

Hazards behind Temporary Concrete Barrier Wall

No materials, equipment, vehicles or other hazards shall be within 3' – 6" of the temporary concrete barrier wall measured from the closest point of the barrier wall perpendicular to the hazard. Equipment that is actively working with the 3' – 6" of the barrier wall may be allowed for a short duration, if approved by the engineer, required for the work activity, if there is not another method to complete the work.

The following Mixture Requirements are applicable for this project:

Location(s):	
Mixture Use(s):	Surface
PG:	PG 64-22
Design Air Voids:	4.0 @N50
Mixture Composition (Mixture Gradation):	IL 9.5
Friction Aggregate:	C
Mixture Weight:	112 lbs.
Quality Management Program:	QC/QA
Sublot Size:	N/A
Number of Roller Passes ¹⁾ :	N/A

- 1) When a number of roller passes is specified, the Contractor may opt to use intelligent compaction in lieu of density testing under the Quality Control for Performance (QCP) program.

FILE NAME = 64N27.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 12/21/2018 10:19 AM	CHECKED -	REVISED -			CONTRACT NO. #64N27		ILLINOIS		FED. AID PROJECT
				SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.			

SUMMARY OF QUANTITIES

CONSTRUCTION CODE
S.N. 043-0039
100% STATE
BRIDGE
0047
RURAL

CODE NO.	ITEM	UNIT	TOTAL	RURAL
20200500	EARTH EXCAVATION (WIDENING)	CU YD	137	137
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	144.4	144.4
40600990	TEMPORARY RAMP	SQ YD	58	58
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	15	15
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	85	85
50300300	PROTECTIVE COAT	SQ YD	399.9	399.9
50102400	CONCRETE REMOVAL	CU YD	9.6	9.6
50300255	CONCRETE SUPERSTRUCTURE	CU YD	10.7	10.7
50300260	BRIDGE DECK GROOVING	SQ YD	356.3	356.3
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1100	1100
50800515	BAR SPLICERS	EACH	16	16
52000110	PREFORMED JOINT STRIP SEAL	FOOT	95	95
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CA MO	3	3
67100100	MOBILIZATION	L SUM	1	1

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	4
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CONSTRUCTION CODE
S.N. 043-0039
100% STATE
BRIDGE
0047
RURAL

CODE NO.	ITEM	UNIT	TOTAL	RURAL
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	2	2
70106700	TEMPORARY RUMBLE STRIPS	EACH	6	6
70107005	PAVEMENT MARKING BLACKOUT TAPE, 5"	FOOT	816	816
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1114	1114
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	2372	2372
70300924	PAVEMENT MARKING TAPE, TYPE IV 24"	FOOT	26	26
70400100	TEMPORARY CONCRETE BARRIER	FOOT	425	425
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	438	438
70600251	IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2
70600352	IMPACT ATTENUATORS, RELOCATE (NON- REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2

* SPECIALTY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	5
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CONSTRUCTION CODE
S.N. 043-0039
100% STATE
BRIDGE
0047
RURAL

CODE NO.	ITEM	UNIT	TOTAL	
78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	4188	4188
Z0001905	STRUCTURAL STEEL REPAIR	POUND	2320	2320
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	363	363
Z0007101	CONTAINMENT AND DISPOSAL OF LEAD PAINT CLEANING RESIDUES NO. 1	L SUM	1	1
Z0006012	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 1/4 INCHES	SQ YD	363	363
Z0010501	CLEANING AND PAINTING STEEL BRIDGE NO. 1	L SUM	1	1
Z0062456	TEMPORARY PAVEMENT	SQ YD	408	408

* SPECIALTY ITEM

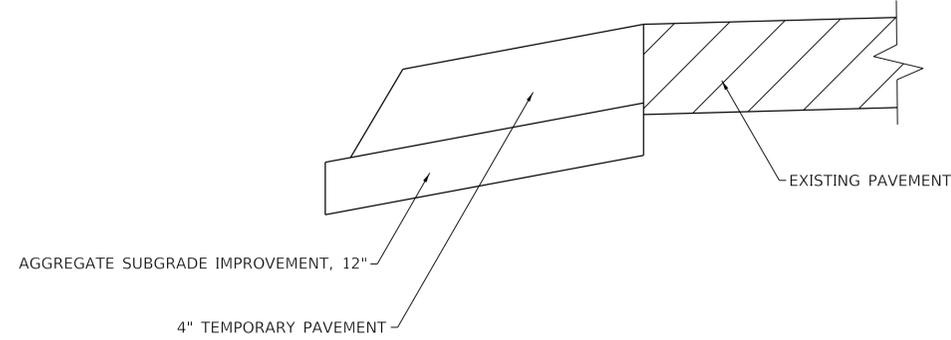
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				SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 64N27

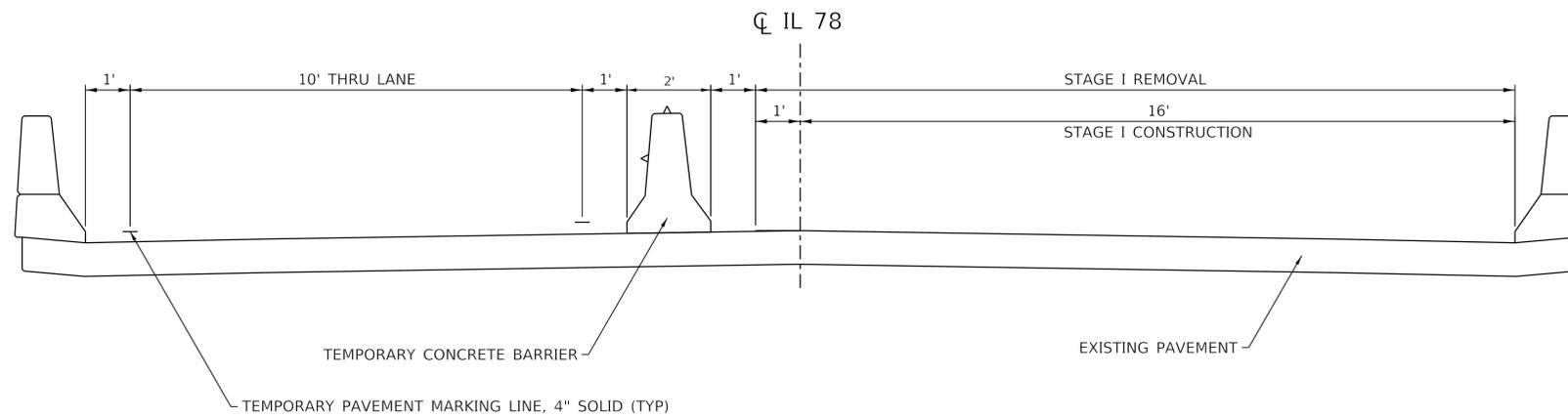
STAGING TYPICALS

PRE-STAGE SHOULDER WIDENING

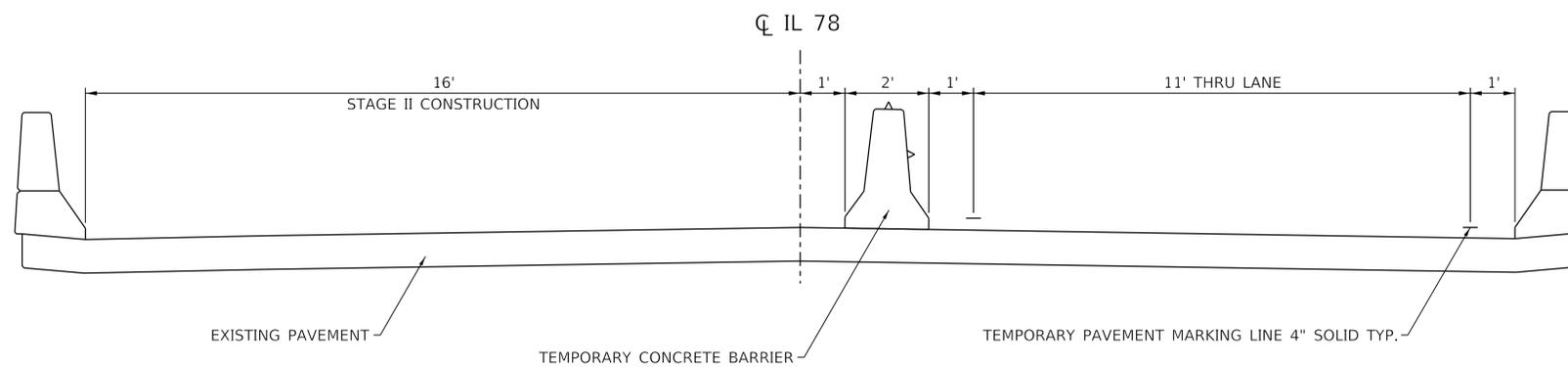
STA 416+46 - 418+01 NB
 STA 419+62 - 421+14 NB
 STA 416+46 - 418+00 SB
 STA 419+60 - 421+14 SB



STAGE I (SN 043-0039 OVER PLUM RIVER)



STAGE II (SN 043-0039 OVER PLUM RIVER)



NOTE:

* INCLUDED IN THE COST OF TEMPORARY PAVEMENT

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

STAGING TYPICALS

SCALE: 1"=40' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	7
CONTRACT NO. 64N27				
ILLINOIS		FED. AID PROJECT		

20200500		EARTH EXCAVATION (WIDENING)					
CU YD	TOTAL	LOCATION				COMMENTS	
34.5	34.5	416	+	46.00	-	418	+ 1.00 RT SIDE
34.3	34.3	416	+	46.00	-	418	+ 00 LT SIDE
33.8	33.8	419	+	62.00	-	421	+ 14.00 RT SIDE
34.3	34.3	419	+	60.00	-	421	+ 14.00 LT SIDE
136.9	136.9	TOTAL					
	137	GRAND TOTAL					

40600982		HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT					
SQ YD	TOTAL	LOCATION				COMMENTS	
72.2	72.2	417	+	67.00	-	418	+ 00 MAINLINE
72.2	72.2	419	+	1.00	-	419	+ 33.00 MAINLINE
144.4	144.4	TOTAL					
	144.4	GRAND TOTAL					

40600990		TEMPORARY RAMP					
SQ YD	TOTAL	LOCATION				COMMENTS	
28.9	29.0	417	+	90	-	418	+ 00 MAINLINE
28.9	29.0	419	+	1	-	419	+ 11 MAINLINE
57.8	58.0	TOTAL					
	58	GRAND TOTAL					

40603310		HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50					
TONS	TOTAL	LOCATION				COMMENTS	
8.0	8.0	417	+	67.00	-	418	+ 00 MAINLINE
7.8	8.0	419	+	61.00	-	419	+ 93.00 MAINLINE
15.8	16.0	TOTAL					
	16	GRAND TOTAL					

40800025		BITUMINOUS MATERIALS (PRIME COAT)					
ILS	TOTAL	LOCATION				COMMENTS	
42.9	43.0	417	+	67.00	-	418	+ 00 MAINLINE
41.6	42.0	419	+	61.00	-	419	+ 93.00 MAINLINE
84.5	85.0	TOTAL					
	85	GRAND TOTAL					

70106500		TEMPORARY BRIDGE TRAFFIC					
EACH	TOTAL	LOCATION				COMMENTS	
1	1	415	+	28.00			RT SIDE
1	1	422	+	57.00			LT SIDE
2	2	TOTAL					
	2	GRAND TOTAL					

70106700		TEMPORARY RUMBLE STRIPS					
EACH	TOTAL	LOCATION				COMMENTS	
3	3					To Be determined by RE	
3	3					To Be determined by RE	
6	6	TOTAL					
	6	GRAND TOTAL					

70107005		PAVEMENT MARKING BLACKOUT TAPE, 5"					
FOOT	TOTAL	LOCATION				COMMENTS	
70	70	414	+	75.00	-	417	+ 25.00 Stage 1 I.S. LANE
450	450	416	+	56.00	-	421	+ 4.00 Stage 1 O.S. LANE
113	113	416	+	56.00	-	417	+ 67.00 Stage 2 I.S. LANE
113	113	419	+	93.00	-	421	+ 4.00 Stage 2 I.S. LANE
70	70	420	+	22.00	-	422	+ 72.00 Stage 2 I.S. LANE
816	816	TOTAL					
	816	GRAND TOTAL					

70300150		SHORT TERM PAVEMENT MARKING REMOVAL					
SQ FT	TOTAL	LOCATION				COMMENTS	
261	261	414	+	88.00	-	422	+ 72.00 Stage 1 I.S. LANE
149.3	150	416	+	56.00	-	421	+ 4.00 Stage 1 O.S. LANE
228	228	415	+	44.00	-	422	+ 28.00 Stage 2 I.S. LANE
149.3	150	416	+	56.00	-	421	+ 4.00 Stage 2 O.S. LANE
26.0	26	415	+	28.00	-		STOP BARS
26.0	26	422	+	57.00	-		STOP BARS
23	23	414	+	75.00	-	417	+ 25.00 Stage 1 I.S. LANE
149.3	150	416	+	56.00	-	421	+ 4.00 Stage 1 O.S. LANE
37.7	38	416	+	56.00	-	417	+ 67.00 Stage 2 I.S. LANE
37.7	38	419	+	93.00	-	421	+ 4.00 Stage 2 I.S. LANE
23	23	420	+	22.00	-	422	+ 72.00 Stage 2 I.S. LANE
1111.2	1114	TOTAL					
	1114	GRAND TOTAL					

70300220		TEMPORARY PAVEMENT MARKING LINE, 4"					
FOOT	TOTAL	LOCATION				COMMENTS	
786	786	414	+	88.00	-	422	+ 72.00 Stage 1 I.S. LANE
450	450	416	+	56.00	-	421	+ 4.00 Stage 1 O.S. LANE
686	686	415	+	44.00	-	422	+ 28.00 Stage 2 I.S. LANE
450	450	416	+	56.00	-	421	+ 4.00 Stage 2 O.S. LANE
2372	2372	TOTAL					
	2372	GRAND TOTAL					

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	8
			CONTRACT NO. 64N27	
		ILLINOIS	FED. AID PROJECT	

70300280

TEMPORARY PAVEMENT MARKING LINE, 24"

<u>FOOT</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
13	13	414 + 78.00	RT SIDE
13	13	423 + 6.00	LT SIDE
26	26	TOTAL	
	26	GRAND TOTAL	

Z0062456

TEMPORARY PAVEMENT

<u>SQ YD</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
77.5	77.5	416 + 46.00 - 418 + 1.00	RT SIDE
77.0	77.0	416 + 46.00 - 418 + 00	LT SIDE
76.0	76.0	419 + 62.00 - 421 + 14.00	RT SIDE
77.0	77.0	419 + 60.00 - 421 + 14.00	LT SIDE
307.5	307.5	TOTAL	
	308	GRAND TOTAL	

70400100

TEMPORARY CONCRETE BARRIER

<u>FOOT</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
425	425	416 + 79.00 - 420 + 81.00	Stage 1
425	425	TOTAL	
	425	GRAND TOTAL	

70400200

RELOCATE TEMPORARY CONCRETE BARRIER

<u>FOOT</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
425	425	416 + 79.50 - 420 + 93.50	Stage 2
425	425	TOTAL	
	425	GRAND TOTAL	

70600251

IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST

<u>EACH</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
1	1	416 + 56.00	RT SIDE
1	1	420 + 81.00	LT SIDE
2	2	TOTAL	
	2	GRAND TOTAL	

70600352

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

<u>EACH</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
1	1	416 + 79.00	RT SIDE
1	1	420 + 93.50	LT SIDE
2	2	TOTAL	
	2	GRAND TOTAL	

78001110

PAINT PAVEMENT MARKING - LINE

<u>FOOT</u>	<u>TOTAL</u>	<u>LOCATION</u>	<u>COMMENTS</u>
927	927	414 + 83.00 - 424 + 10.00	RT SIDE
240	240	414 + 83.00 - 424 + 10.00	CENTER LINE
927	927	414 + 83.00 - 424 + 10.00	LT SIDE
2094	2094	TOTAL	
	4188	GRAND TOTAL 2 COATS	

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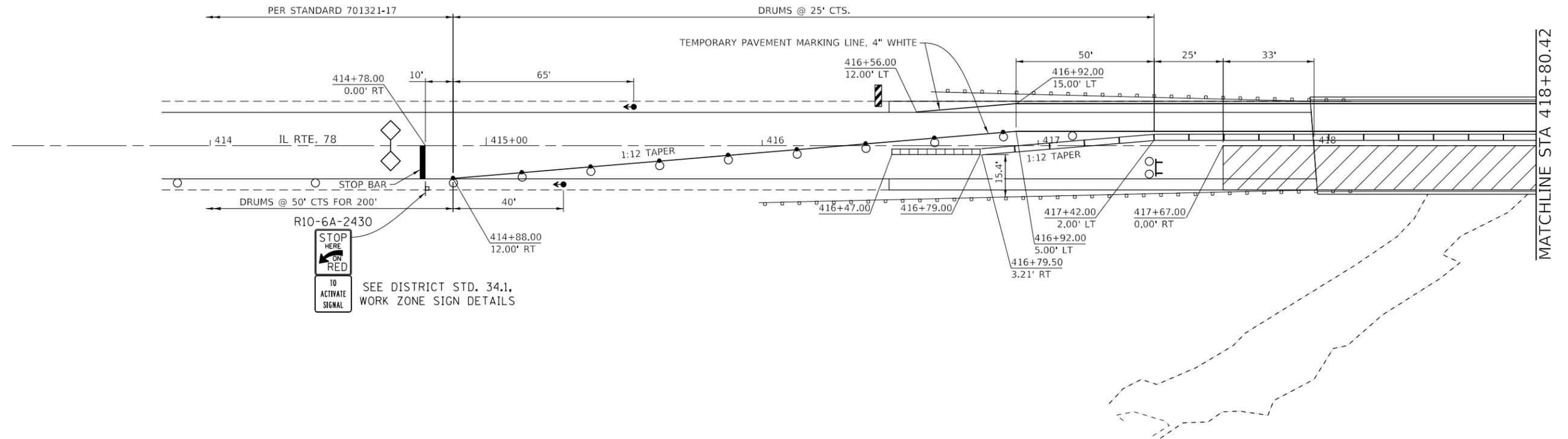
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	9
CONTRACT NO. 64N27				
		ILLINOIS	FED. AID PROJECT	

TRAFFIC CONTROL PLAN FOR SN 043-0039 STAGE I



STOP HERE ON RED TO ACTIVATE SIGNAL
SEE DISTRICT STD. 34.1, WORK ZONE SIGN DETAILS

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SYMBOLS	
	Work area
	Sign
	Type III barricade
	Traffic signal
	Detector loops
	Impact attenuator Absorb 350 - TL 3
	Drum with steady burning bi-directional light
	Temporary concrete barrier
	Temporary rumble strip (when specified)
	Double vertical panel (see detail on Std. 701316)
	Crystal, bidirectional barrier wall/guardrail marker
	Drum

GENERAL NOTES

See Traffic Control and Protection Standard 701321 for details not shown.

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

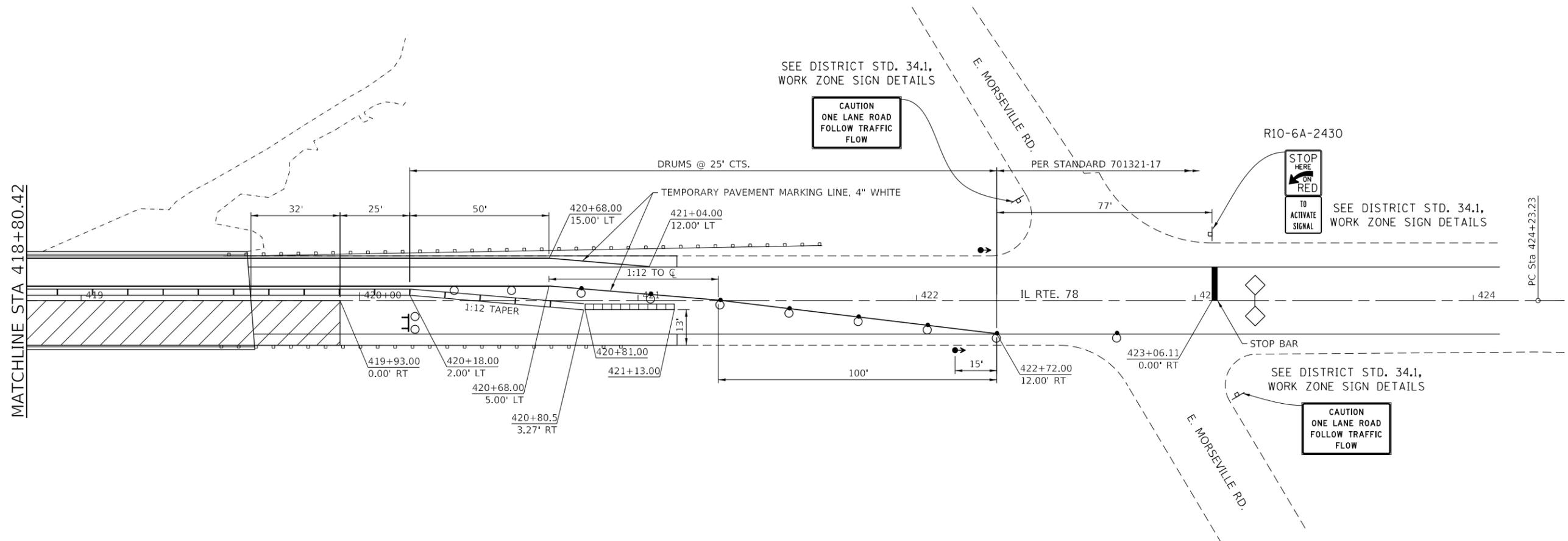
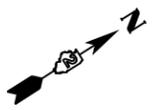
Temporary concrete barrier shall be according to Standard 704001.

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

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

USER NAME = hoffmanjd DESIGNED - DRAWN - JDH PLOT SCALE = 40.0000 ' / in. CHECKED - PLOT DATE = Dec-21-2018 10:33:06 AM DATE -				DESIGNED - REVISED - CHECKED - REVISED - DATE -				STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				TRAFFIC CONTROL PLAN FOR SN 043-0039 STAGE I				F.A.P. RTE. 642 SECTION D2 BDR 2019-3 COUNTY JO DAVIESS TOTAL SHEETS 30 SHEET NO. 10	
SCALE: 1"=40'-0"						SHEET OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT							

TRAFFIC CONTROL PLAN FOR SN 043-0039 STAGE I



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SYMBOLS	
	Work area
	Sign
	Type III barricade
	Traffic signal
	Detector loops
	Impact attenuator Absorb 350 - TL 3
	Drum with steady burning bi-directional light
	Temporary concrete barrier
	Temporary rumble strip (when specified)
	Double vertical panel (see detail on Std. 701316)
	Crystal, bidirectional barrier wall/guardrail marker
	Drum

GENERAL NOTES

See Traffic Control and Protection Standard 701321 for details not shown.

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

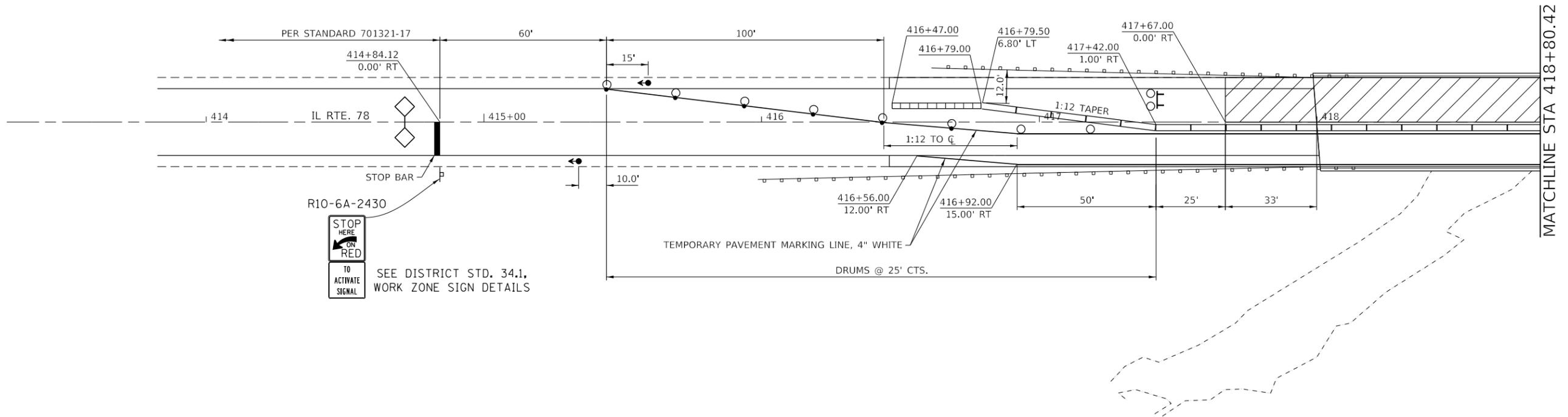
Temporary concrete barrier shall be according to Standard 704001.

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

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

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SCALE: 1"=40'-0"				SHEET OF SHEETS		STA. TO STA.		ILLINOIS		FED. AID PROJECT							

TRAFFIC CONTROL PLAN FOR SN 043-0039 STAGE II



STOP HERE ON RED TO ACTIVATE SIGNAL
SEE DISTRICT STD. 34.1, WORK ZONE SIGN DETAILS

MODEL: Default FILE: \\nas01c:\proj\043\BDR\2019-3\DOT\Office\District 2\Projects\616\27\Program_Development\Snuffles & Plans\Design\CADD\Cadd\Sheet02_64N27-rt.ctb\snuff.dgn

GENERAL NOTES

See Traffic Control and Protection Standard 701321 for details not shown.

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

Temporary concrete barrier shall be according to Standard 704001.

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

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

SYMBOLS

- Work area
- Sign
- Type III barricade
- Traffic signal
- Detector loops
- Impact attenuator Absorb 350 - TL 3
- Drum with steady burning bi-directional light
- Temporary concrete barrier
- Temporary rumble strip (when specified)
- Double vertical panel (see detail on Std. 701316)
- Crystal, bidirectional barrier wall/guardrail marker
- Drum

USER NAME = hoffmanjd	DESIGNED -	REVISED -
DRAWN - JDH	REVISIONS -	
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PLOT DATE = Dec-21-2018 10:33:57 AM	DATE -	REVISED -

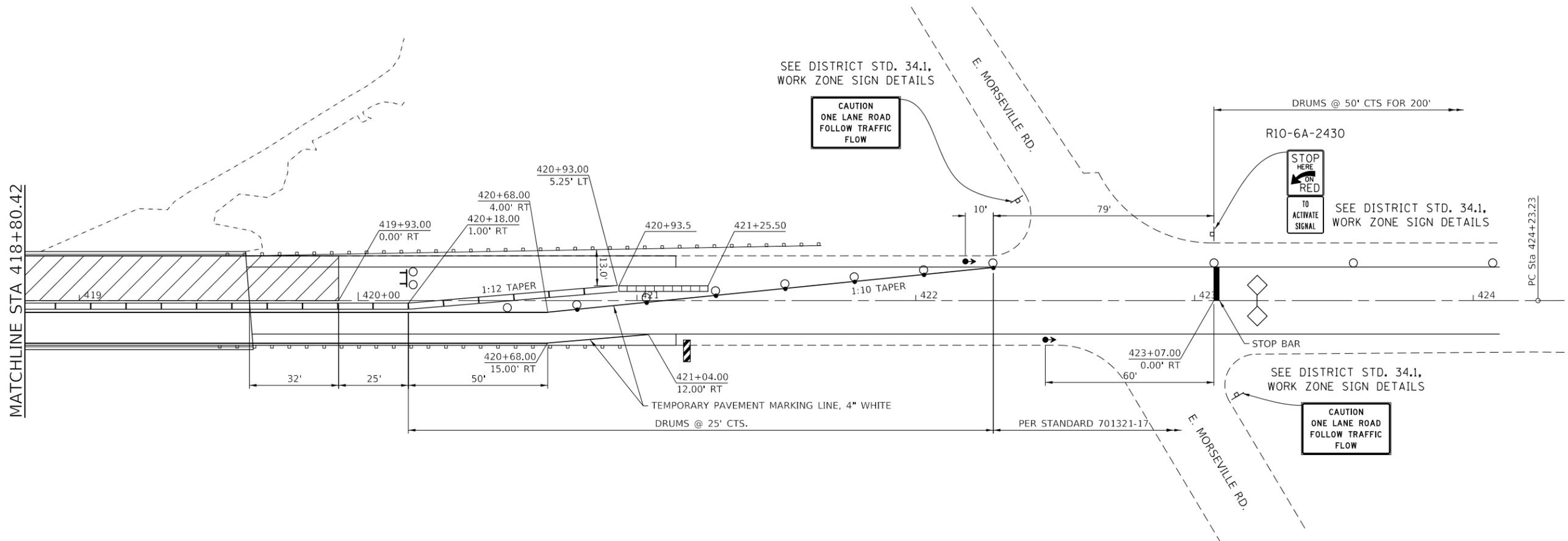
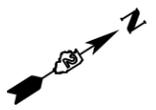
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLAN FOR SN 043-0039 STAGE II			
SCALE: 1"=40'-0"	SHEET	OF	SHEETS
STA.	TO	STA.	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	12
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL PLAN FOR SN 043-0039

STAGE II



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GENERAL NOTES

See Traffic Control and Protection Standard 701321 for details not shown.

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

Temporary concrete barrier shall be according to Standard 704001.

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

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

SYMBOLS

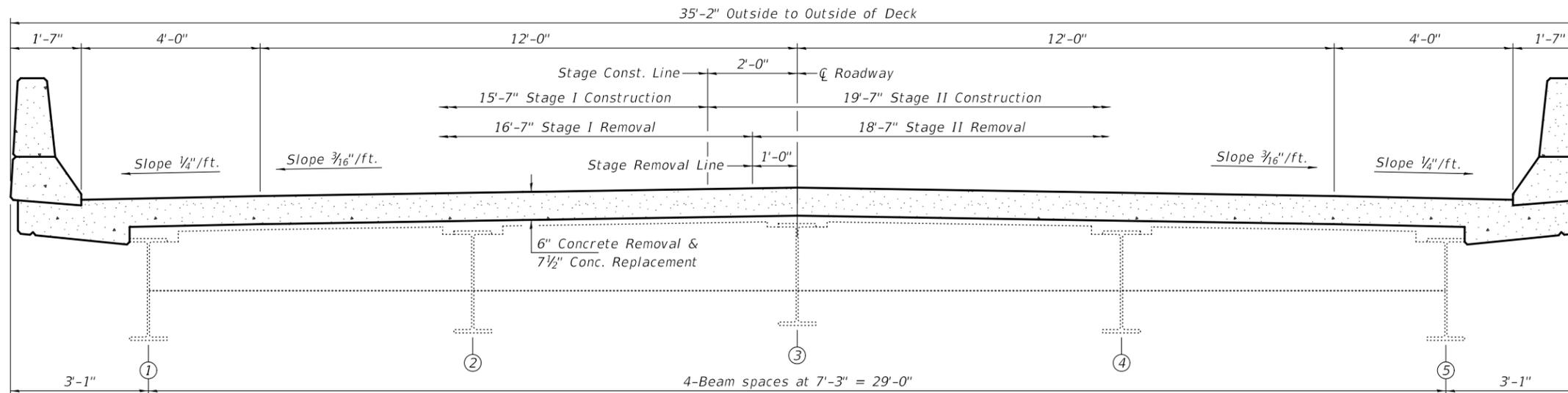
- Work area
- Sign
- Type III barricade
- Traffic signal
- Detector loops
- Impact attenuator
Absorb 350 - TL 3
- Drum with steady burning bi-directional light
- Temporary concrete barrier
- Temporary rumble strip (when specified)
- Double vertical panel (see detail on Std. 701316)
- Crystal, bidirectional barrier wall/guardrail marker
- Drum

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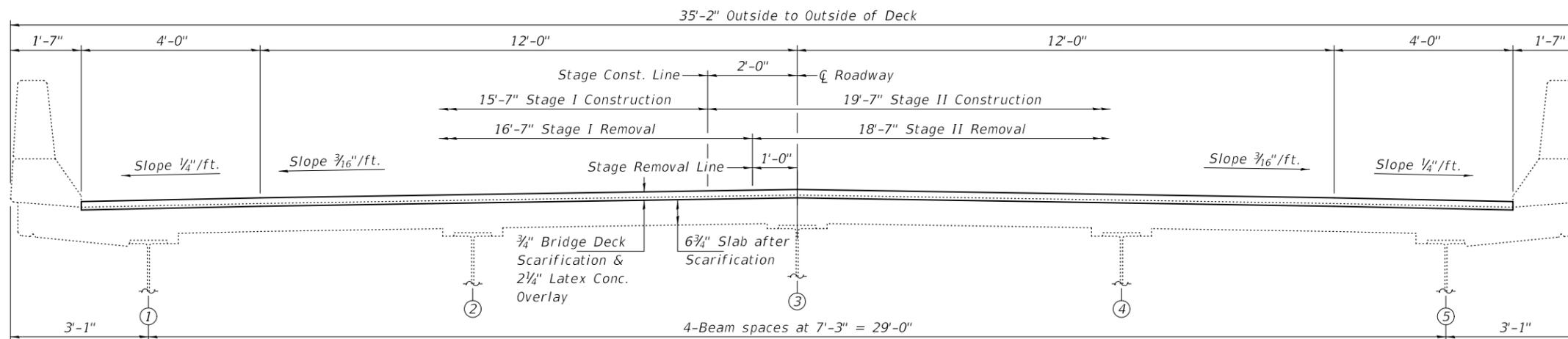
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL PLAN FOR SN 043-0039			
STAGE II			
SCALE: 1"=40'-0"	SHEET	OF SHEETS	STA. TO STA.

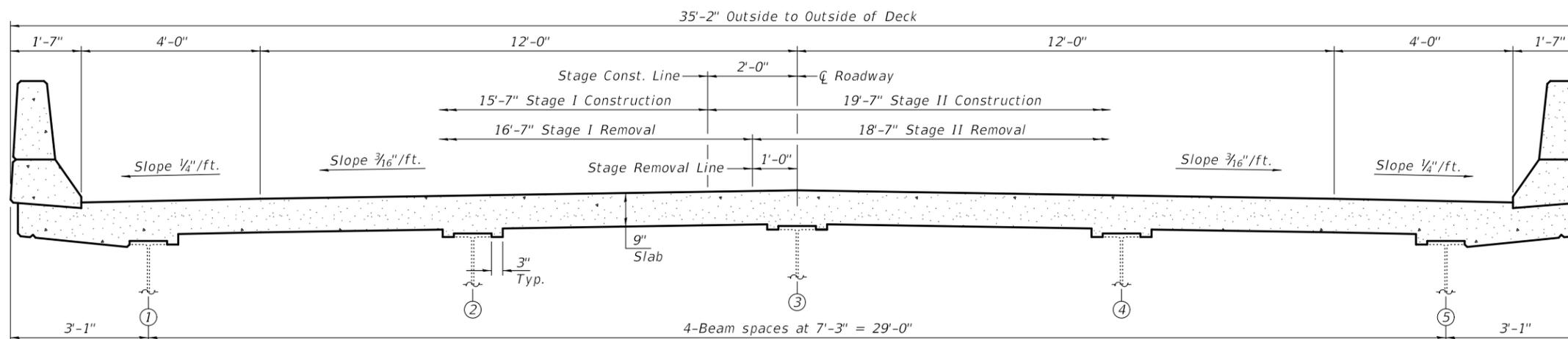
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642	D2 BDR 2019-3	JO DAVIESS	30	13
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				



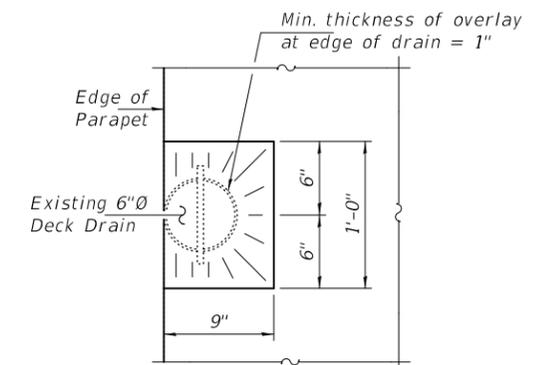
CROSS SECTION AT WEST ABUTMENT
(Looking East)



CROSS SECTION AT MID-SPAN
(Looking East)



CROSS SECTION AT EAST ABUTMENT
(Looking East)



OVERLAY TREATMENT AT DRAINS

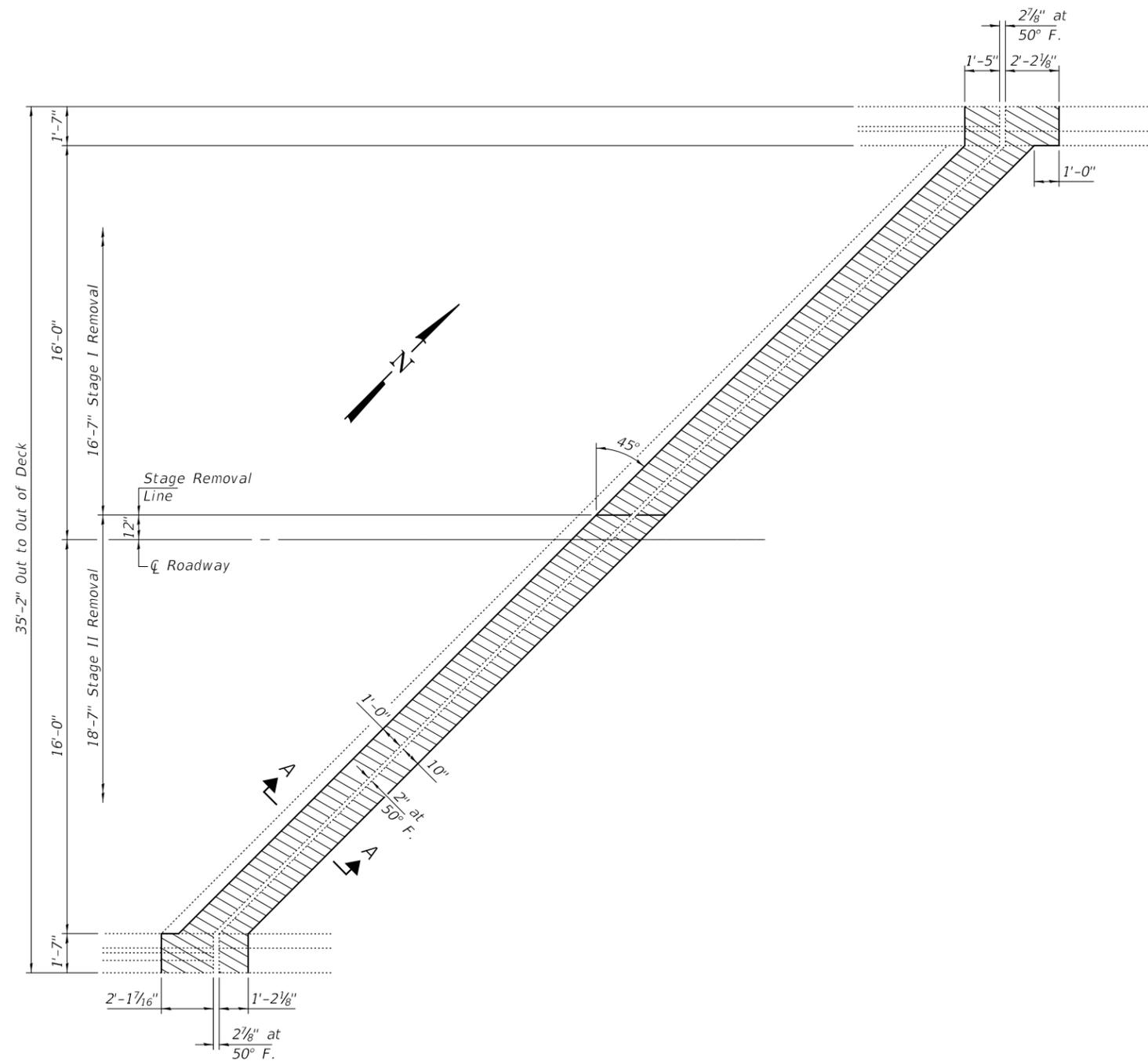
DESIGNED - CDK	EXAMINED - <i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 29, 2019
CHECKED - JOV	PASSED - <i>Carl Ringer</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - STEFFEN		REVISED -
CHECKED - CDK JOV		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

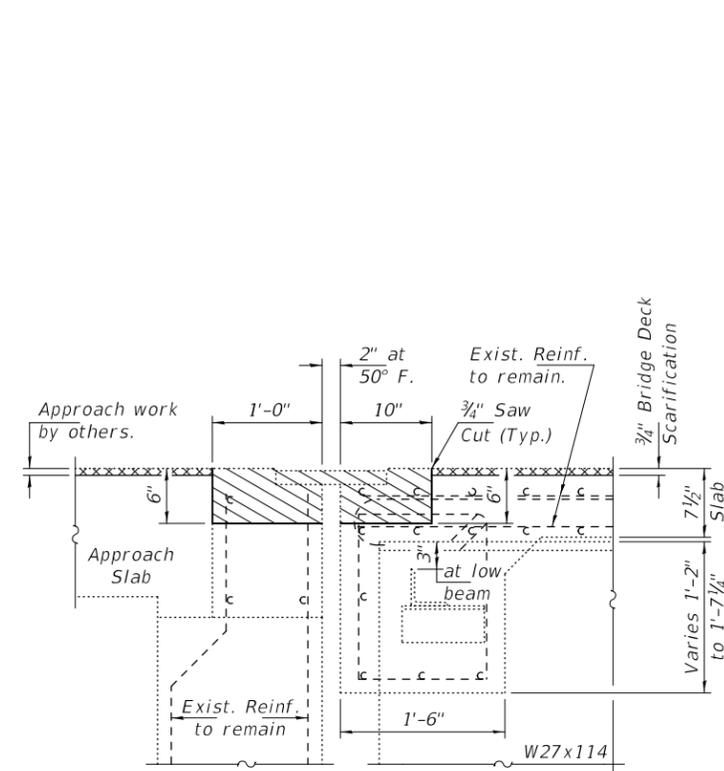
CROSS SECTIONS & STAGING DETAILS
SN 043-0039

SHEET 2 OF 10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	15
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				



CONCRETE REMOVAL AT W. ABUT.



SECTION A-A
(Dims. at Rt. L's)

Notes:
Hatched areas indicate Concrete Removal.
Cross Hatched areas indicated Bridge Deck Scarification.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	2.6

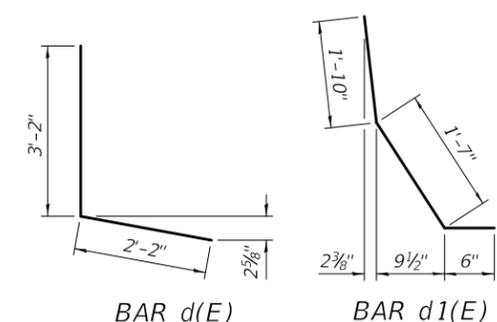
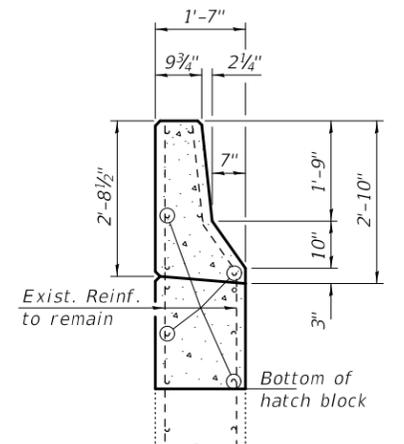
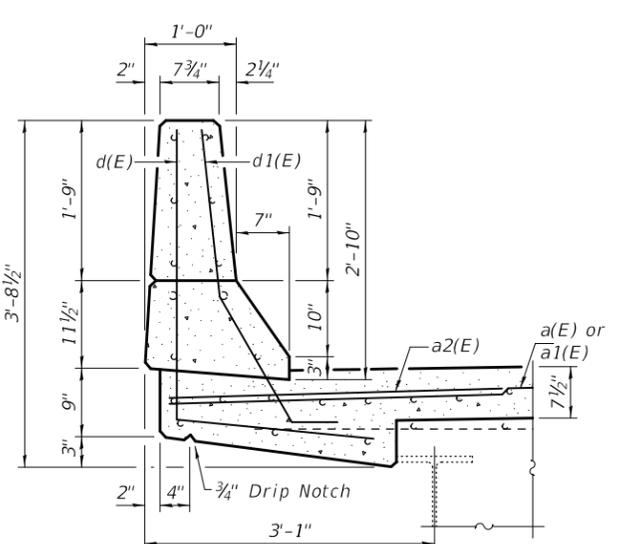
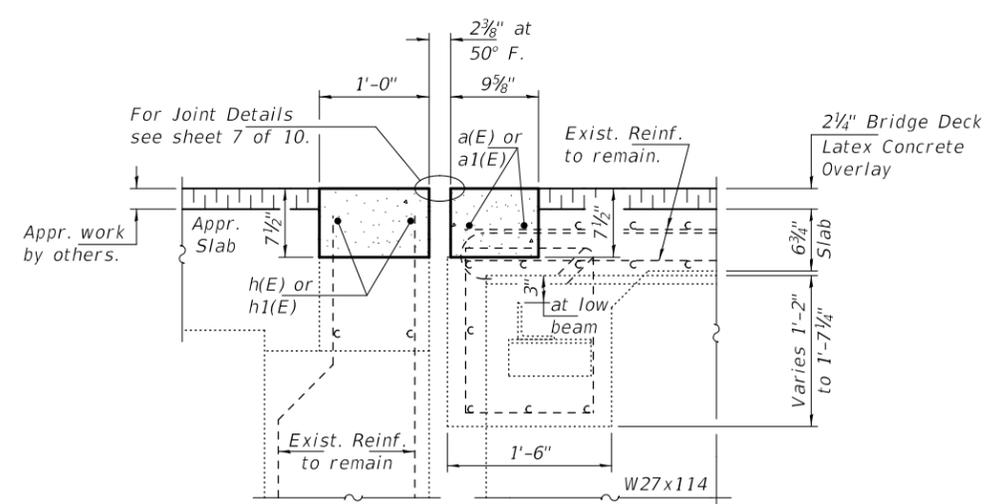
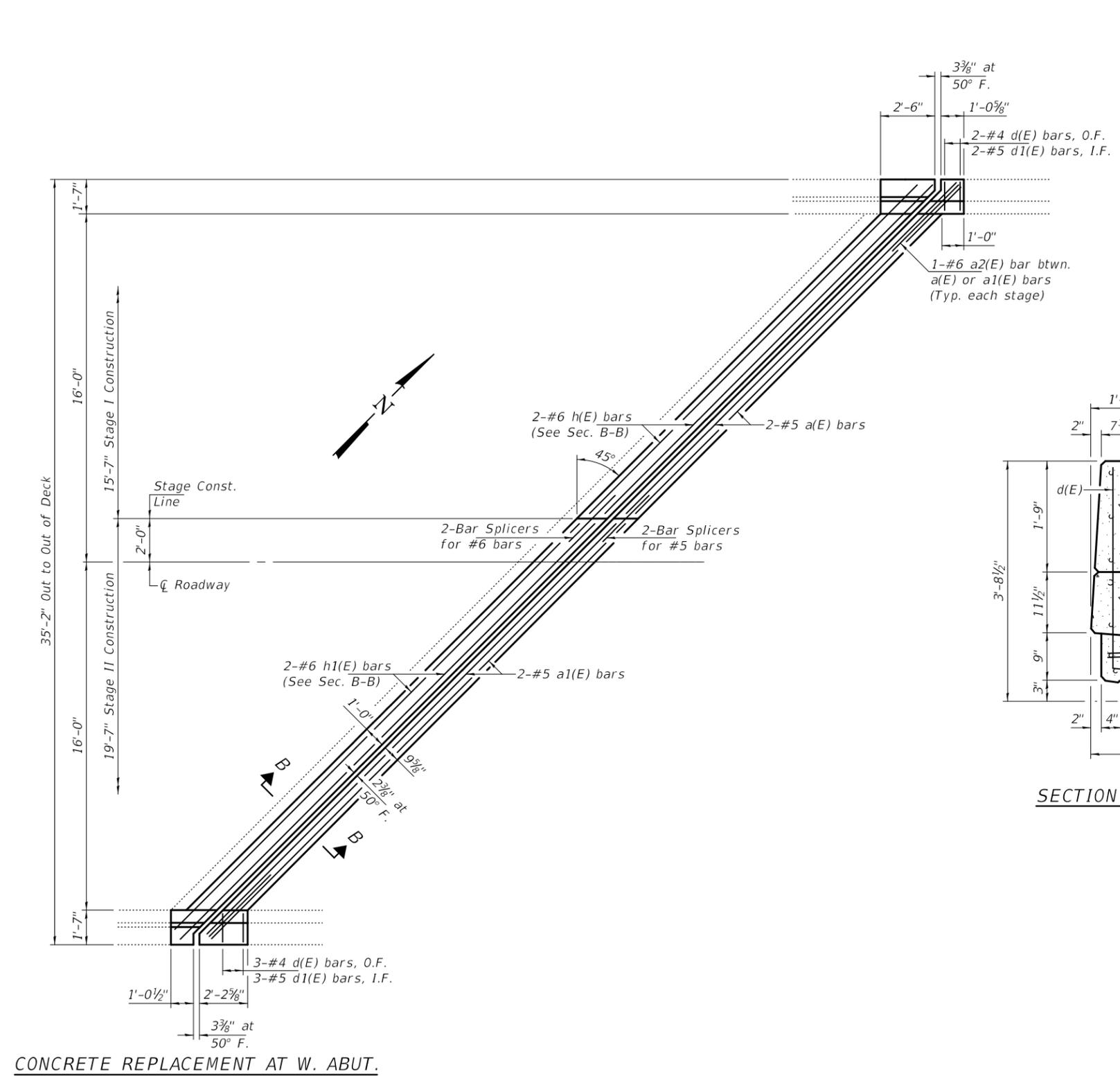
DESIGNED - CDK	EXAMINED - <i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 29, 2019
CHECKED - JOV	PASSED - <i>Carl R. Meyer</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - STEFFEN		REVISED -
CHECKED - CDK JOV		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WEST ABUTMENT JOINT REMOVAL DETAILS
SN 043-0039

SHEET 3 OF 10 SHEETS

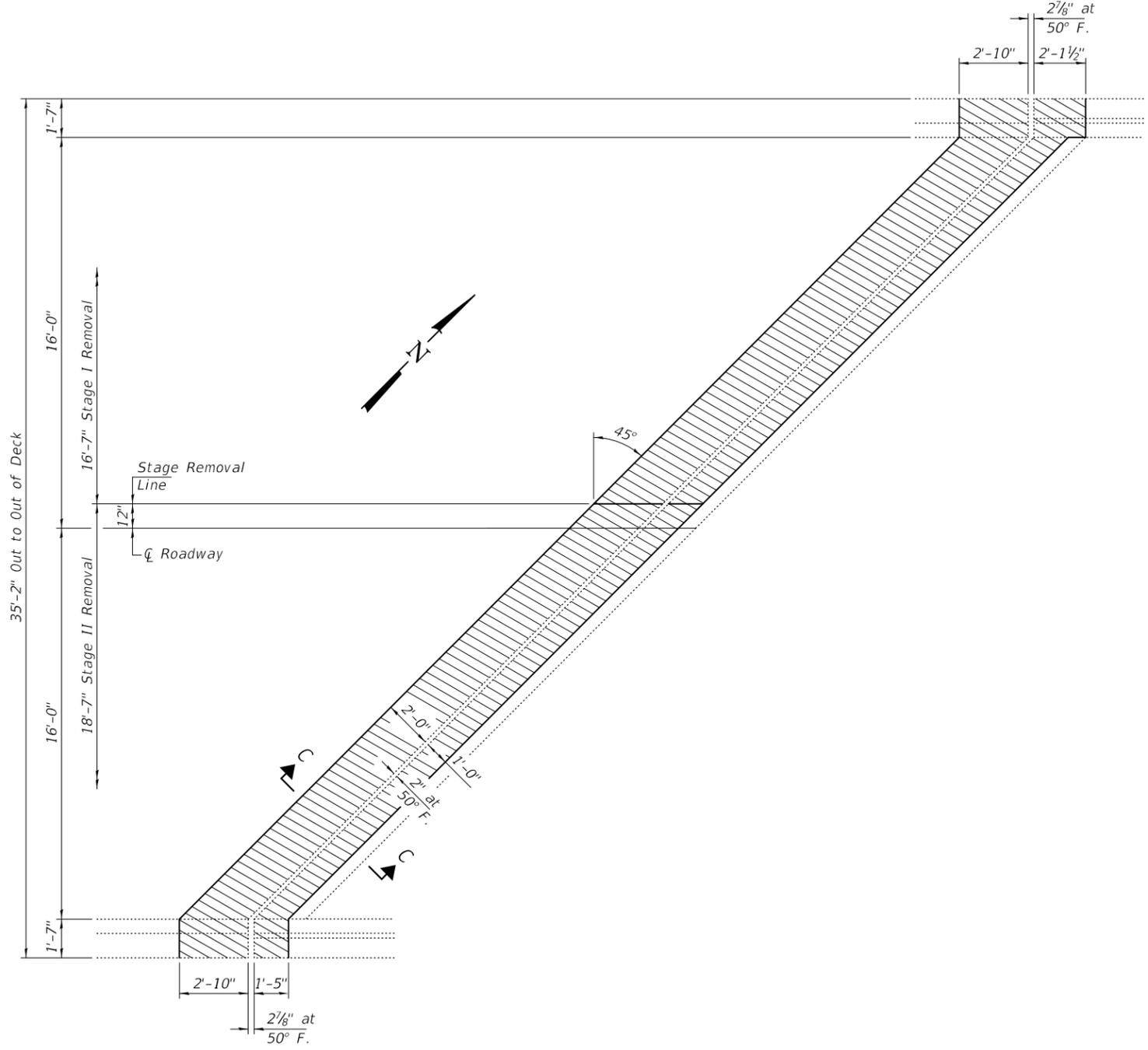
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642	D2 BDR 2019-3	JO DAVIESS	30	16
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				



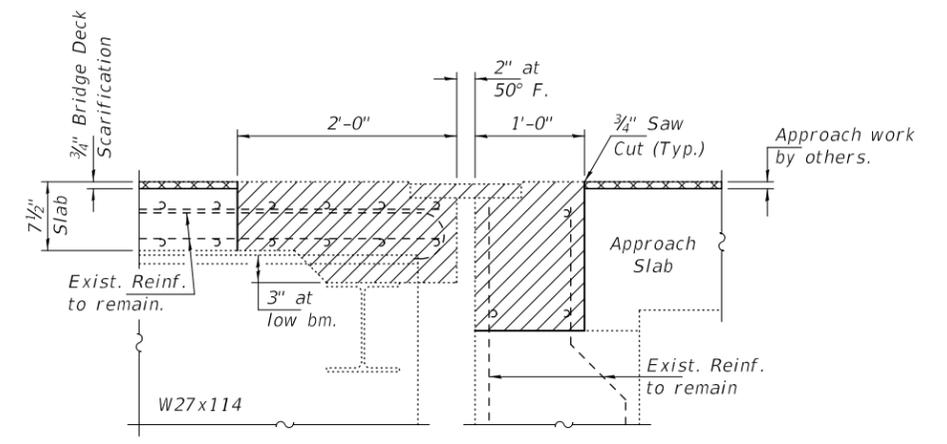
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	2	#5	21'-7"	—
a1(E)	2	#5	27'-3"	—
a2(E)	2	#6	4'-0"	—
d(E)	5	#4	5'-4"	L
d1(E)	5	#5	3'-11"	L
h(E)	2	#6	21'-7"	—
h1(E)	2	#6	27'-3"	—
Concrete Superstructure			Cu. Yd.	3.0
Reinforcement Bars, Epoxy Coated			Pound	300

* Cut to fit as required.



CONCRETE REMOVAL AT E. ABUT.



SECTION C-C
(Dims. at Rt. L's)

Notes:
Hatched areas indicate Concrete Removal.
Cross Hatched areas indicated Bridge Deck Scarification.

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Concrete Removal	Cu. Yd.	7.0

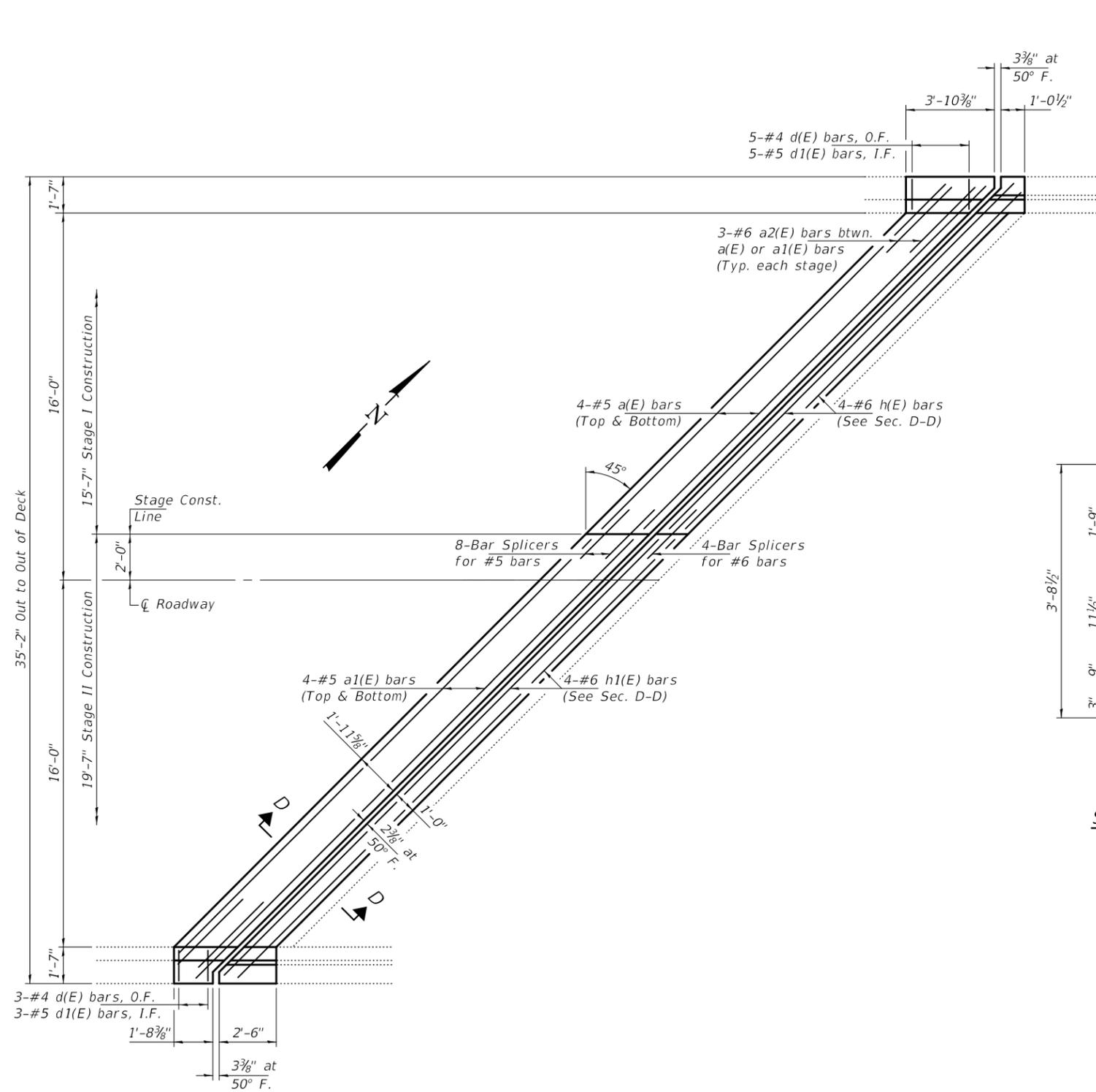
DESIGNED - CDK	EXAMINED - <i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 29, 2019
CHECKED - JOV	PASSED - <i>Carl Meyer</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - STEFFEN		REVISED -
CHECKED - CDK JOV		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

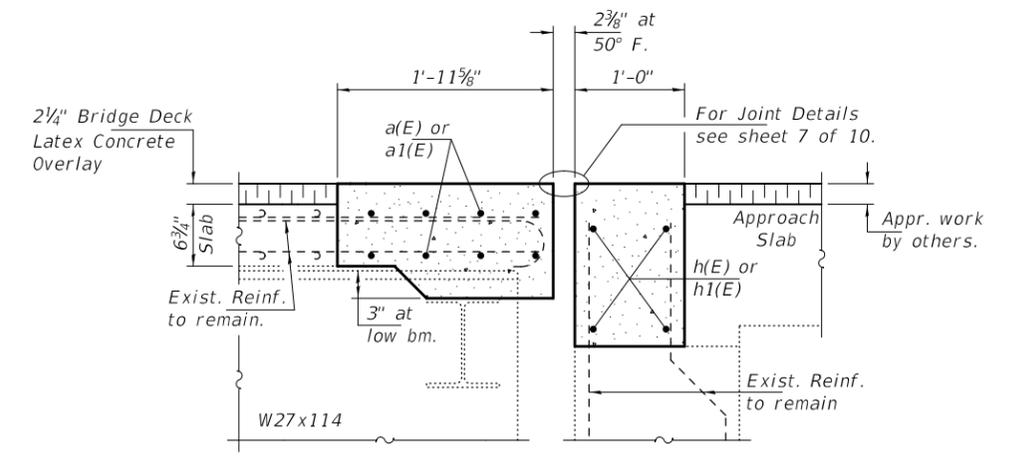
EAST ABUTMENT JOINT REMOVAL DETAILS
SN 043-0039

SHEET 5 OF 10 SHEETS

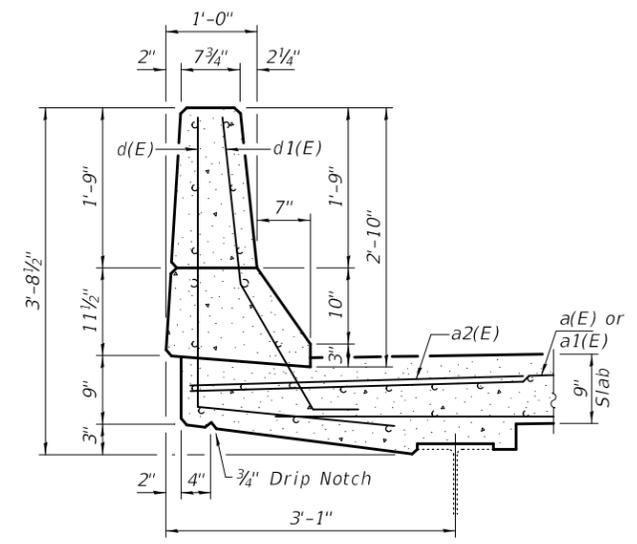
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	18
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				



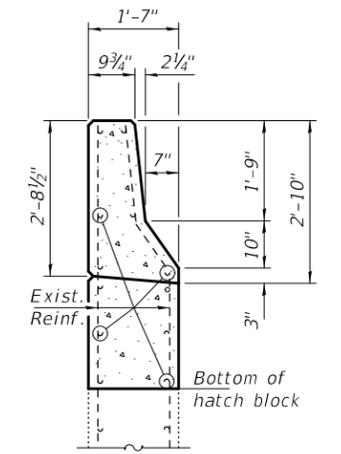
CONCRETE REPLACEMENT AT E. ABUT.



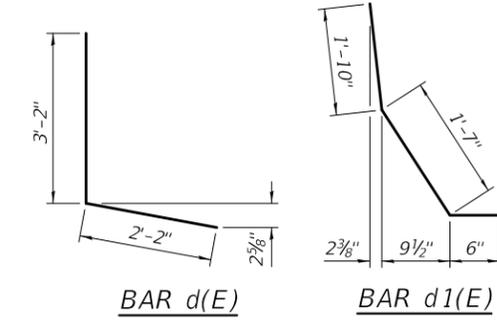
SECTION D-D
(Dims. at Rt. L's)



SECTION THRU BRIDGE PARAPET



TYPICAL SECTION THRU
APPROACH PARAPET



BAR d(E)

BAR d1(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	8	#5	21'-7"	—
a1(E)	8	#5	27'-3"	—
a2(E)	6	#6	4'-0"	—
d(E)	8	#4	5'-4"	L
d1(E)	8	#5	3'-11"	L
h(E)	4	#6	21'-7"	—
h1(E)	4	#6	27'-3"	—
Concrete Superstructure			Cu. Yd.	7.7
Reinforcement Bars, Epoxy Coated			Pound	800

* Cut to fit as required.

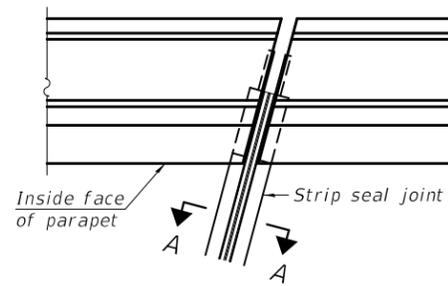
DESIGNED - CDK	EXAMINED - <i>Timothy A. Dredger</i> ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 29, 2019
CHECKED - JOV	PASSED - <i>Carl R. Meyer</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - STEFFEN		REVISED -
CHECKED - CDK JOV		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EAST ABUTMENT JOINT REPLACEMENT DETAILS
SN 043-0039

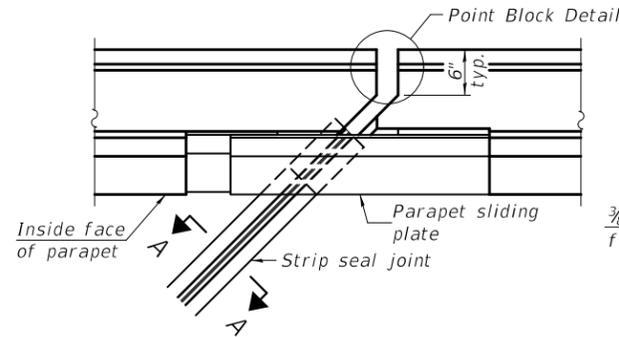
SHEET 6 OF 10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	19
CONTRACT NO. 64N27			ILLINOIS FED. AID PROJECT	

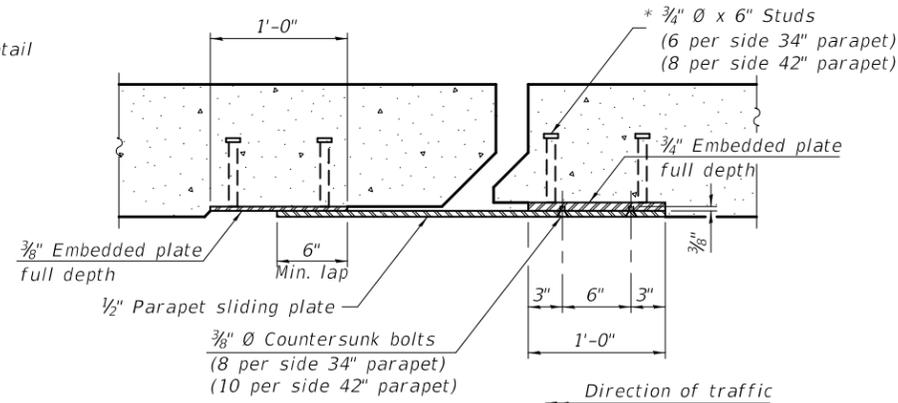


FOR SKEWS $\leq 30^\circ$

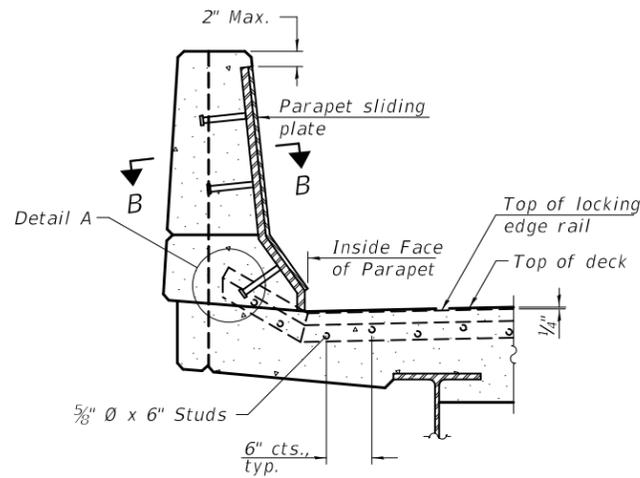
PLAN AT PARAPET



FOR SKEWS $> 30^\circ$

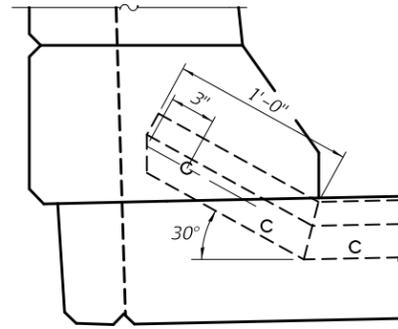


SECTION B-B

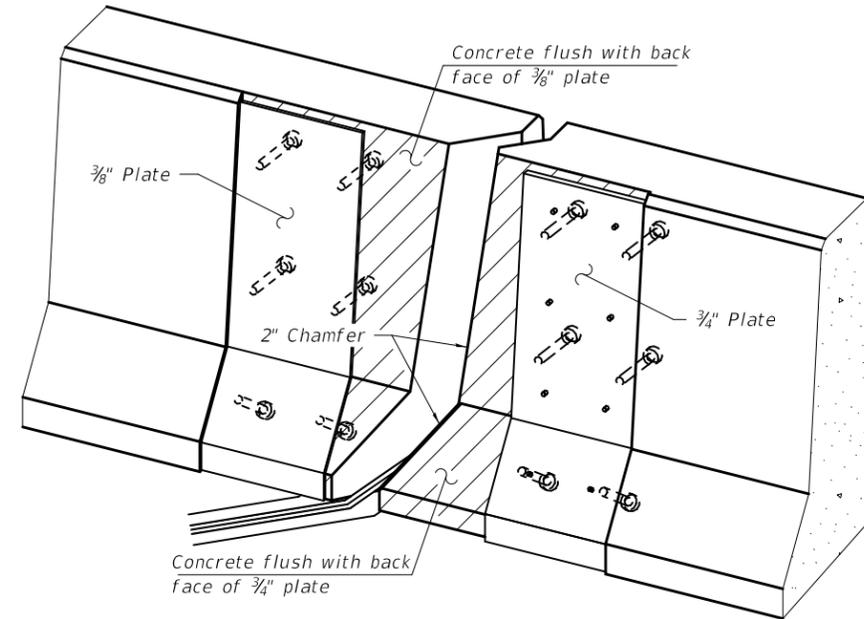


ELEVATION AT PARAPET

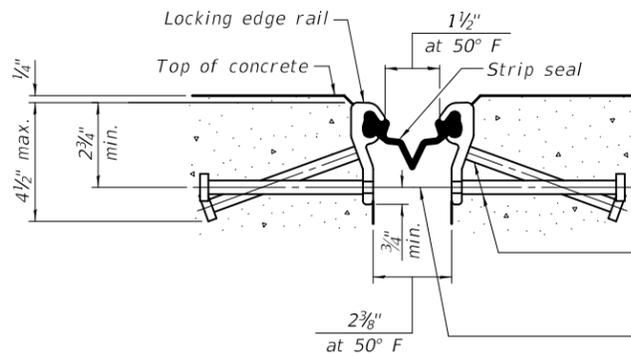
(Skews $> 30^\circ$ shown. Skews $\leq 30^\circ$ similar except as shown in plan view.)



DETAIL A



TRIMETRIC VIEW
(Showing embedded plates only)



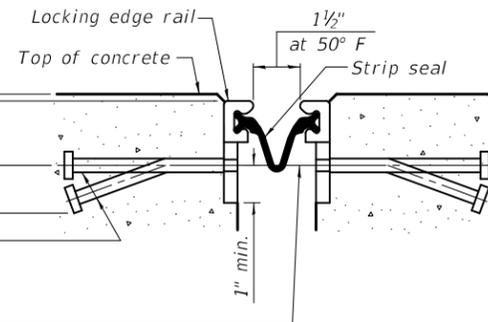
SHOWING ROLLED RAIL JOINT

* $3/8"$ ϕ x 6" studs @ 6" cts. (alternate angled/bent studs with horizontal studs)

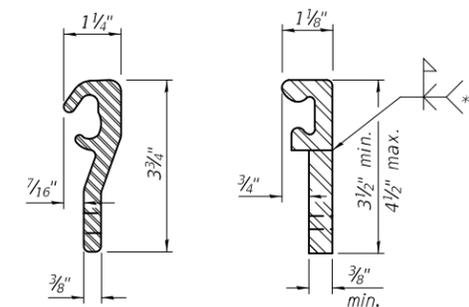
$3/8"$ ϕ threaded rods in $7/16"$ ϕ holes at $\pm 4'-0"$ cts. for holding the proper joint opening based on the temperature during the deck pour. Place to miss studs. All rods shall be burned, or sawed off flush with the plates after concrete is set.

SECTION A-A

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

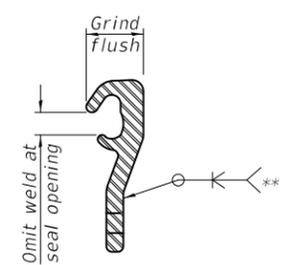


SHOWING WELDED RAIL JOINT



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	95

EJ-SS

8-11-17

DESIGNED - CDK	EXAMINED
CHECKED - JOV	PASSED
DRAWN - STEFFEN	
CHECKED - CDK JOV	

 ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 29, 2019
 ENGINEER OF BRIDGES AND STRUCTURES	REVISIONS

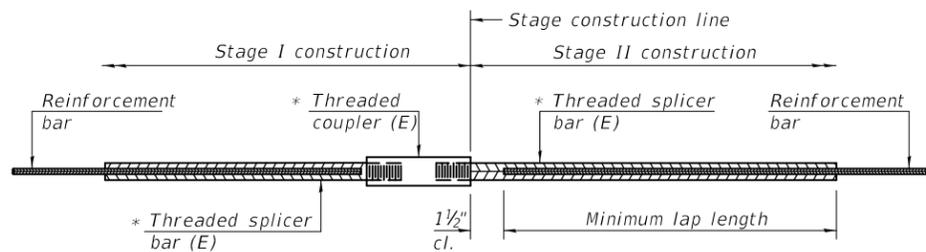
DATE - JANUARY 29, 2019
REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL DETAILS
SN 043-0039

SHEET 7 OF 10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	20
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				

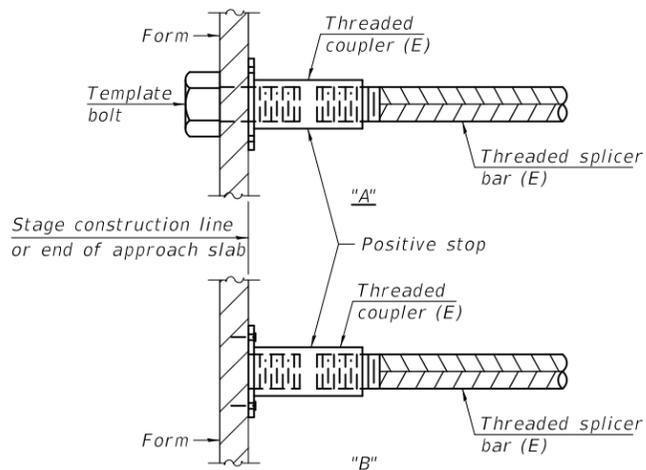


STANDARD BAR SPLICER ASSEMBLY

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

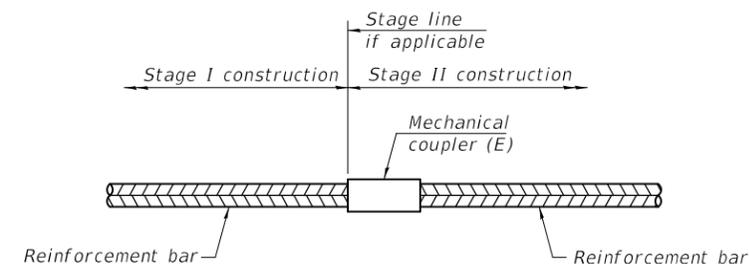
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Minimum lap length
Deck	#5	10	3'-6"
Abutment	#6	6	4'-0"



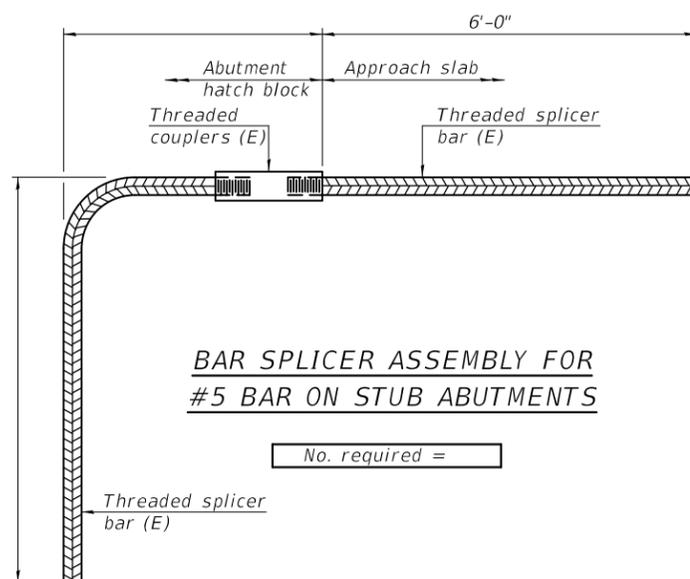
INSTALLATION AND SETTING METHODS

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



STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

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

BSD-1 2-17-2017

DESIGNED - CDK
 CHECKED - JOV
 DRAWN - STEFFEN
 CHECKED - CDK JOV

EXAMINED
 PASSED

Timothy A. [Signature]
 ENGINEER OF STRUCTURAL SERVICES
 [Signature]
 ENGINEER OF BRIDGES AND STRUCTURES

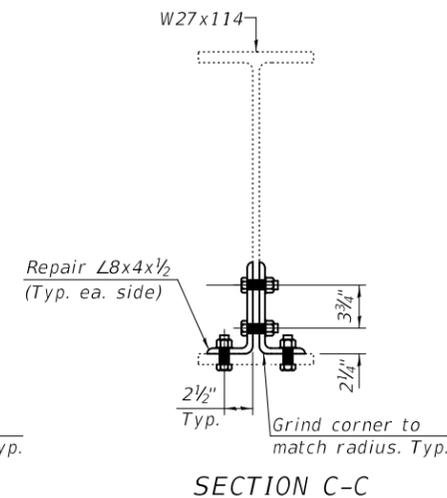
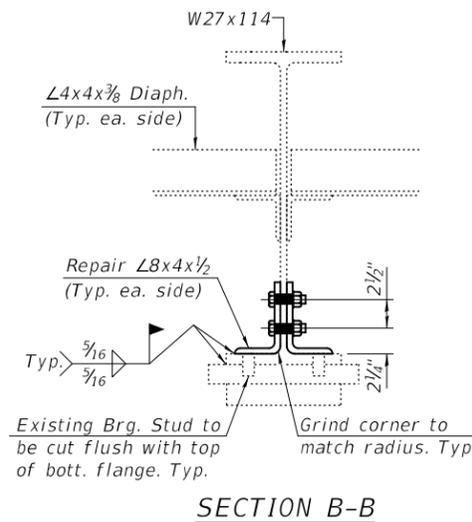
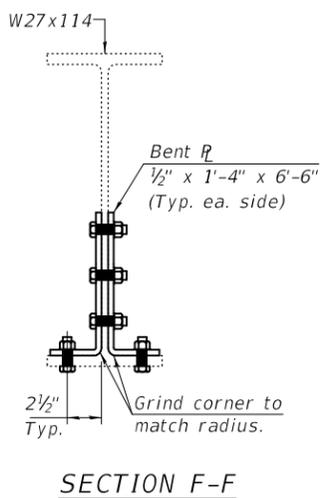
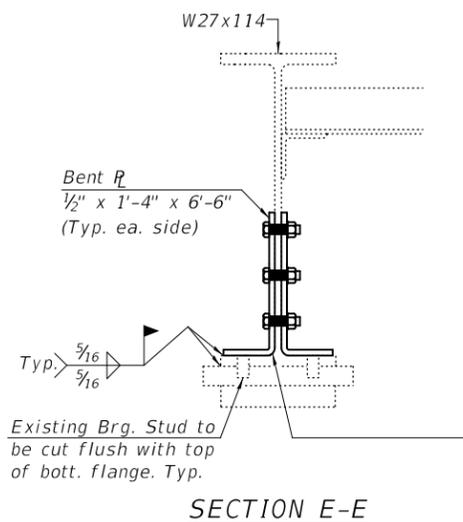
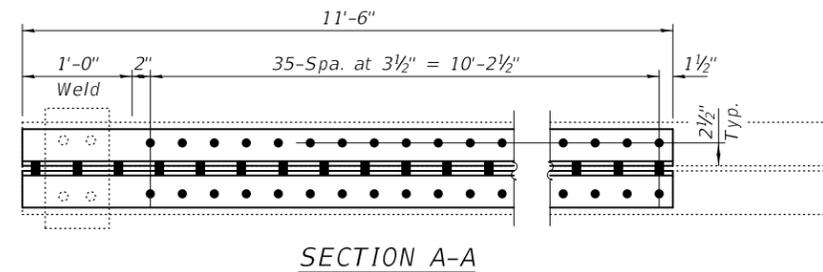
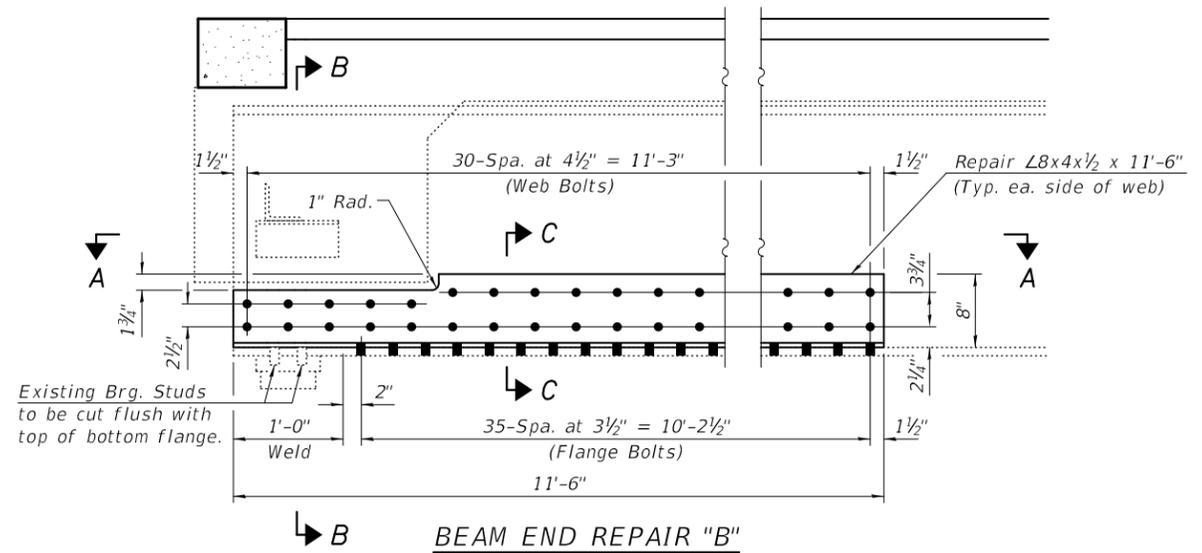
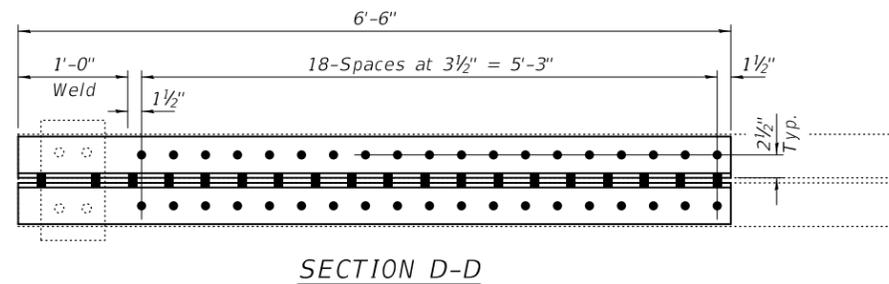
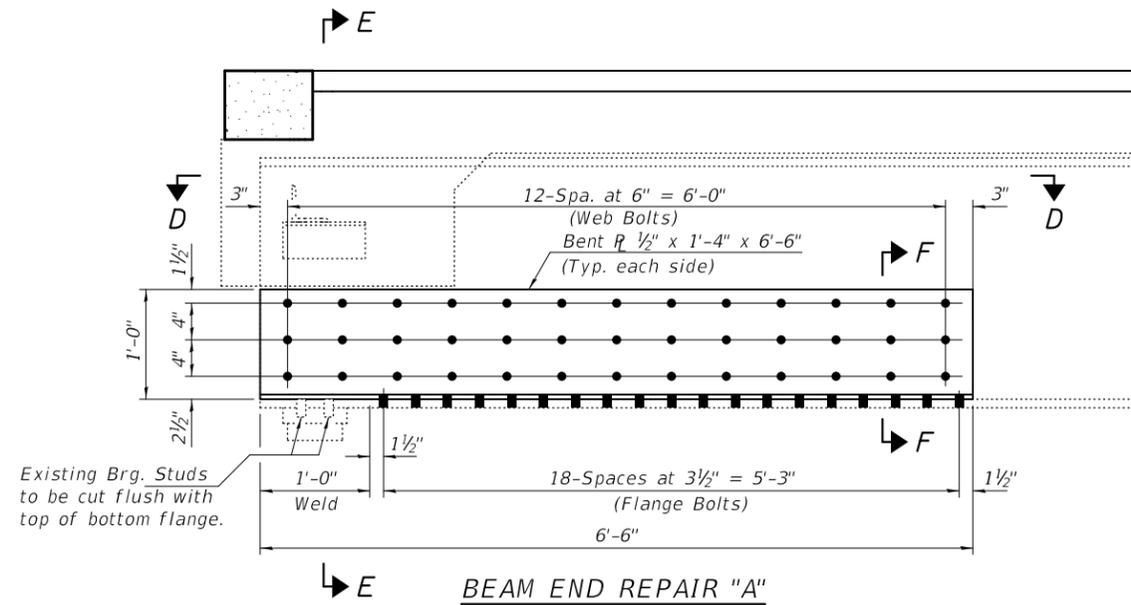
DATE - JANUARY 29, 2019
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
 SN 043-0039

SHEET 8 OF 10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	21
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				



DESIGNED - CDK
CHECKED - JOV
DRAWN - STEFFEN
CHECKED - CDK JOV

EXAMINED
PASSED

Timothy A. Daulton
ENGINEER OF STRUCTURAL SERVICES

Carl R. Rieger
ENGINEER OF BRIDGES AND STRUCTURES

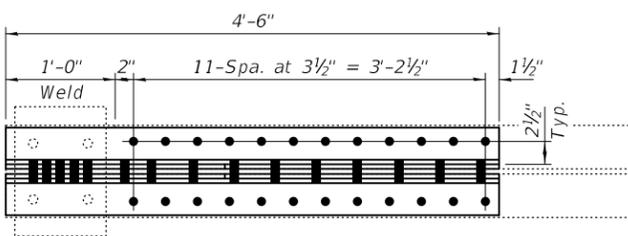
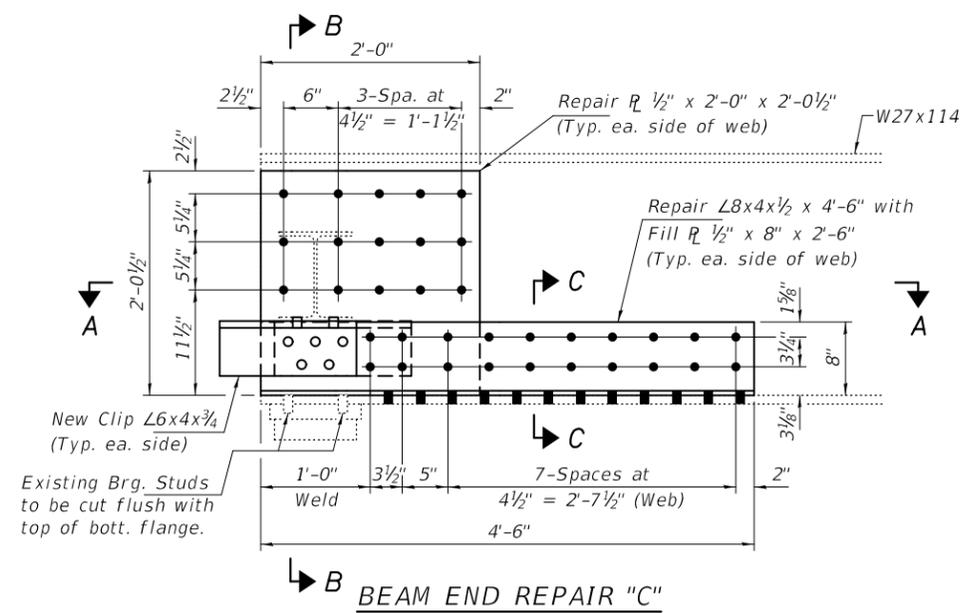
DATE - JANUARY 29, 2019
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

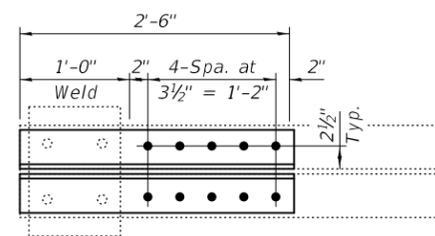
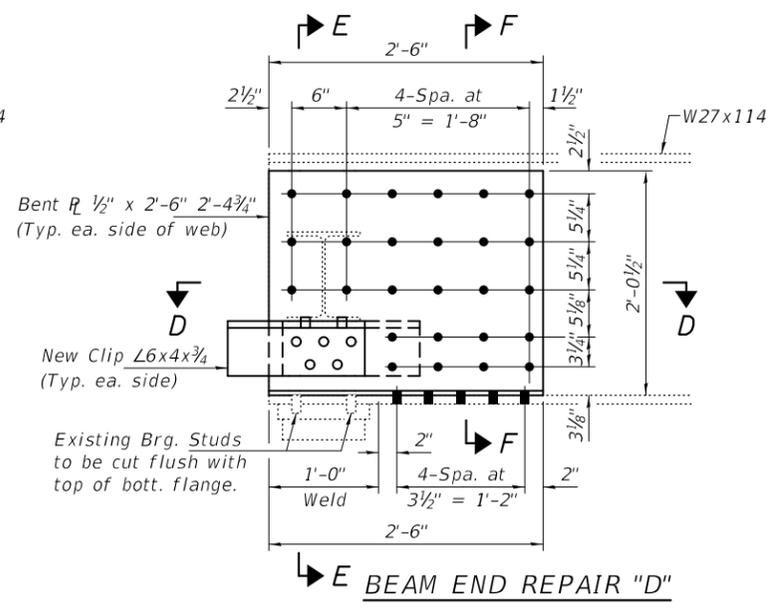
BEAM END REPAIR DETAILS
SN 043-0039

SHEET 9 OF 10 SHEETS

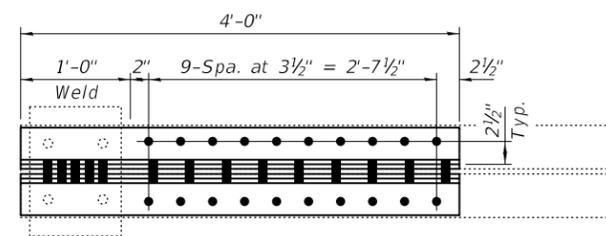
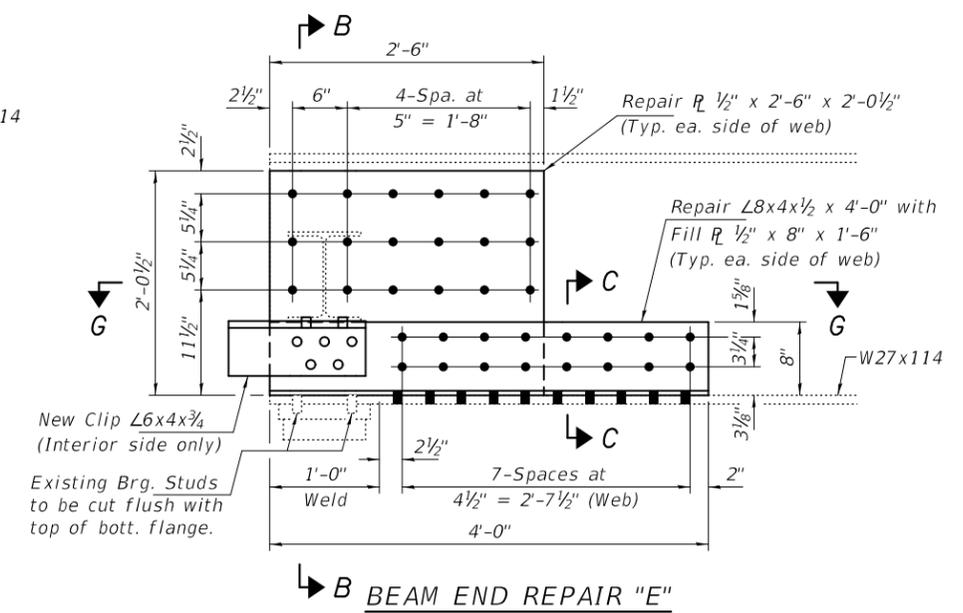
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	22
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				



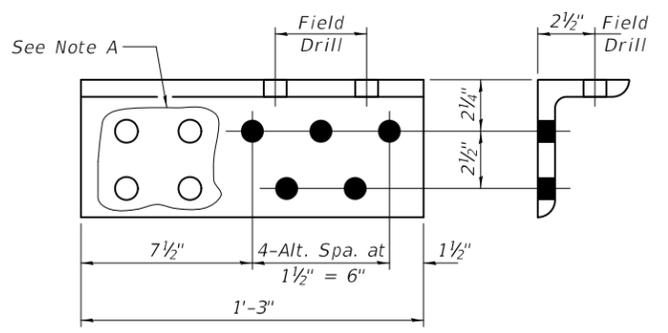
SECTION A-A
Clip L's not shown for clarity.



SECTION D-D
Clip L's not shown for clarity.

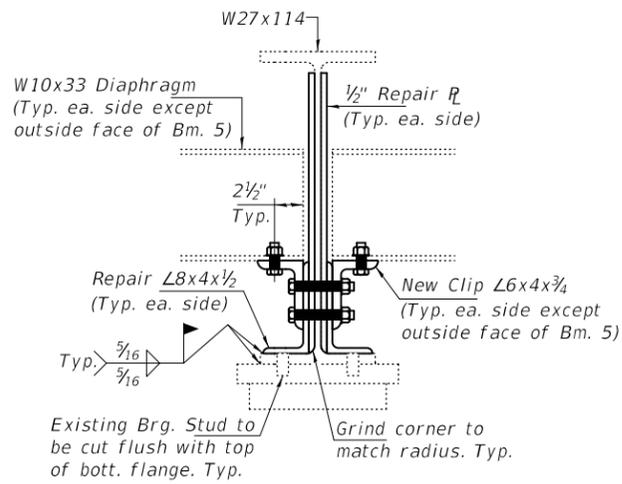


SECTION G-G
Clip L's not shown for clarity.

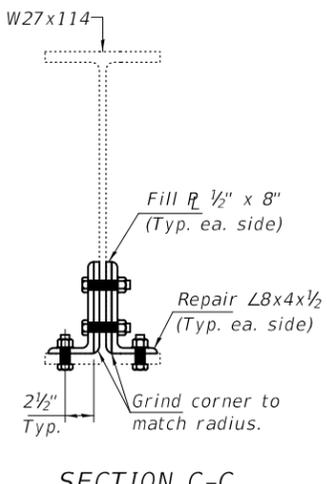


NEW BOTTOM CLIP L DETAILS
L 6x4x3/4 x 1'-3" (5-Required)

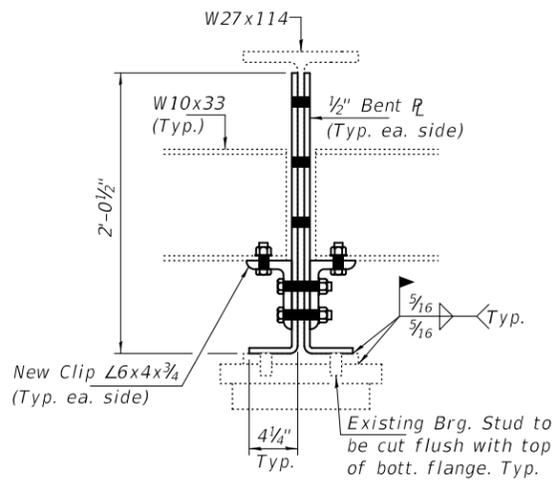
Note A:
Field drill holes in new Clip L's as required using Bent L's & Repair L's as templates.



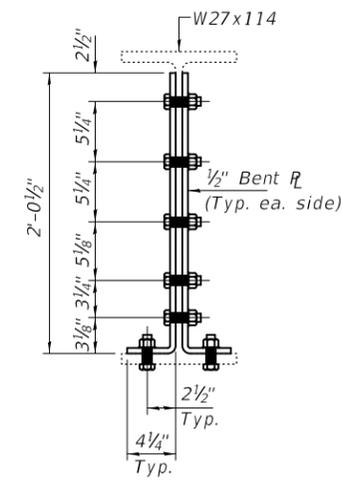
SECTION B-B



SECTION C-C



SECTION E-E



SECTION F-F

BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Structural Steel Repair	Pound	2320

DESIGNED - CDK	EXAMINED - <i>Timothy A. Daulton</i> ENGINEER OF STRUCTURAL SERVICES	DATE - JANUARY 29, 2019
CHECKED - JOV	PASSED - <i>Carl R. Meyer</i> ENGINEER OF BRIDGES AND STRUCTURES	REVISED -
DRAWN - STEFFEN		REVISED -
CHECKED - CDK JOV		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

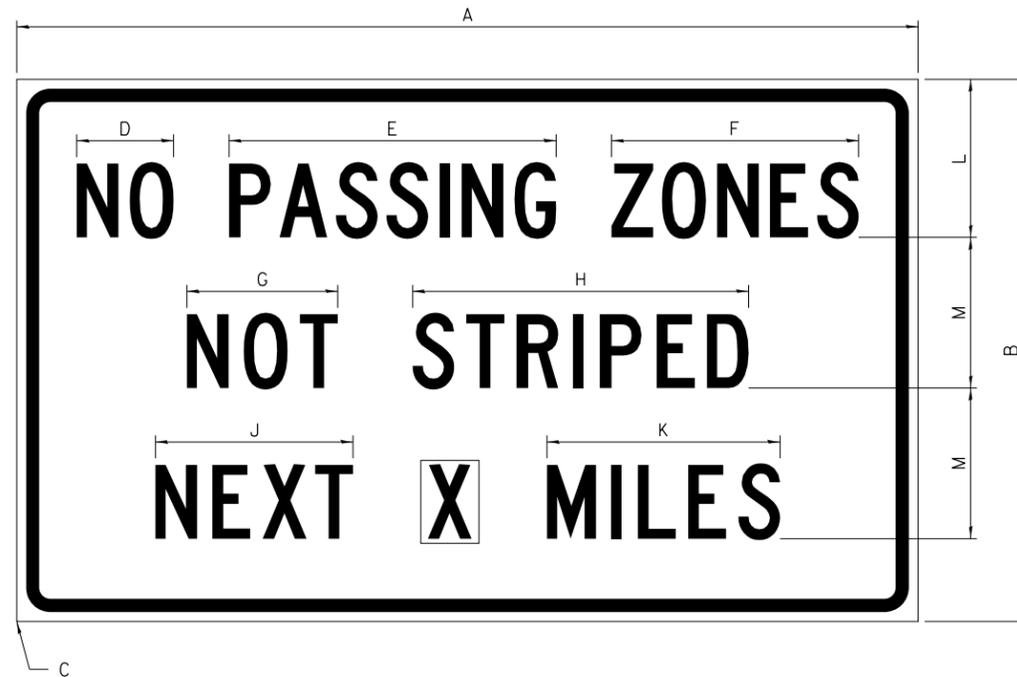
BEAM END REPAIR DETAILS
SN 043-0039

SHEET 10 OF 10 SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	23
CONTRACT NO. 64N27				
ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



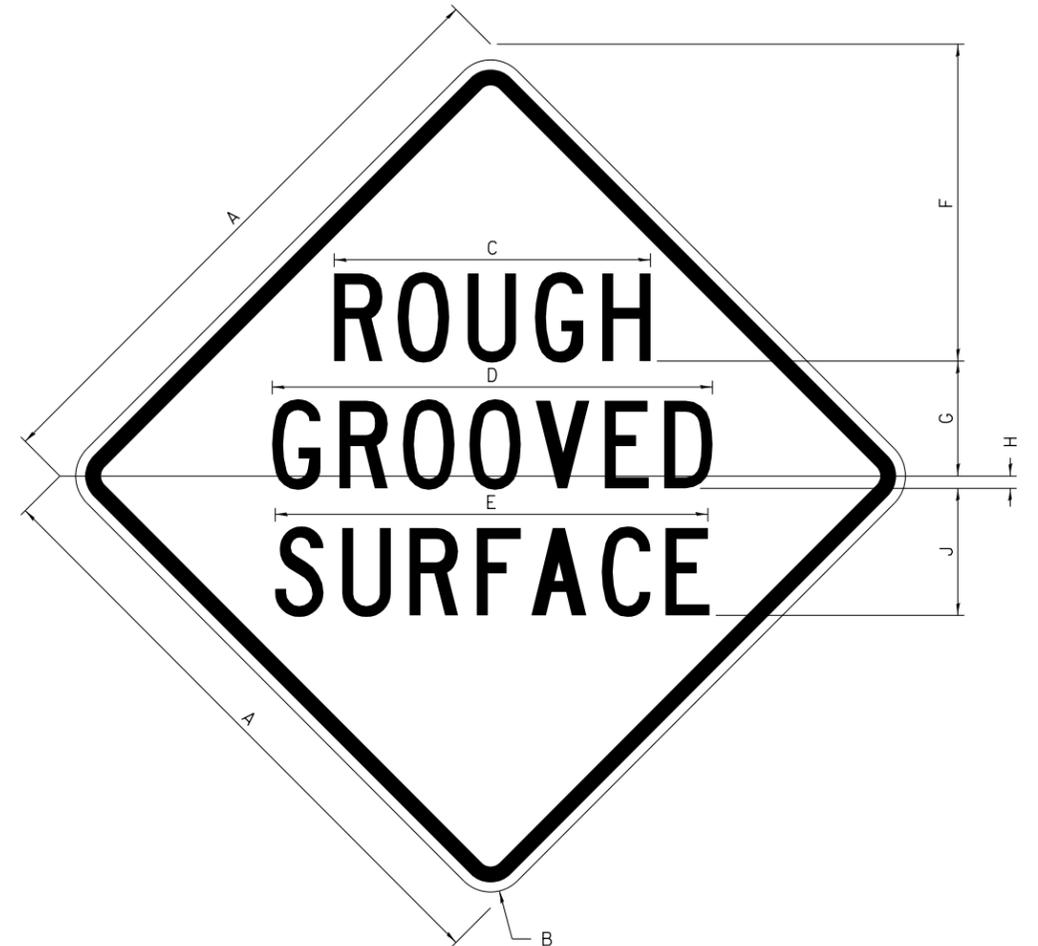
COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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

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

Sign not to scale

ILLINOIS STANDARD W8-I107



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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

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

Sign not to scale

GENERAL NOTES

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

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

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

All dimensions are in inches unless otherwise noted.

FILE NAME =	USER NAME = hoffmanjd	DESIGNED -	REVISED - 3-02-16
p:\11\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\64N27\Drawings\Development\Studies & Plans\Development\Drawings\CAD\Sheets\D2-sht-details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

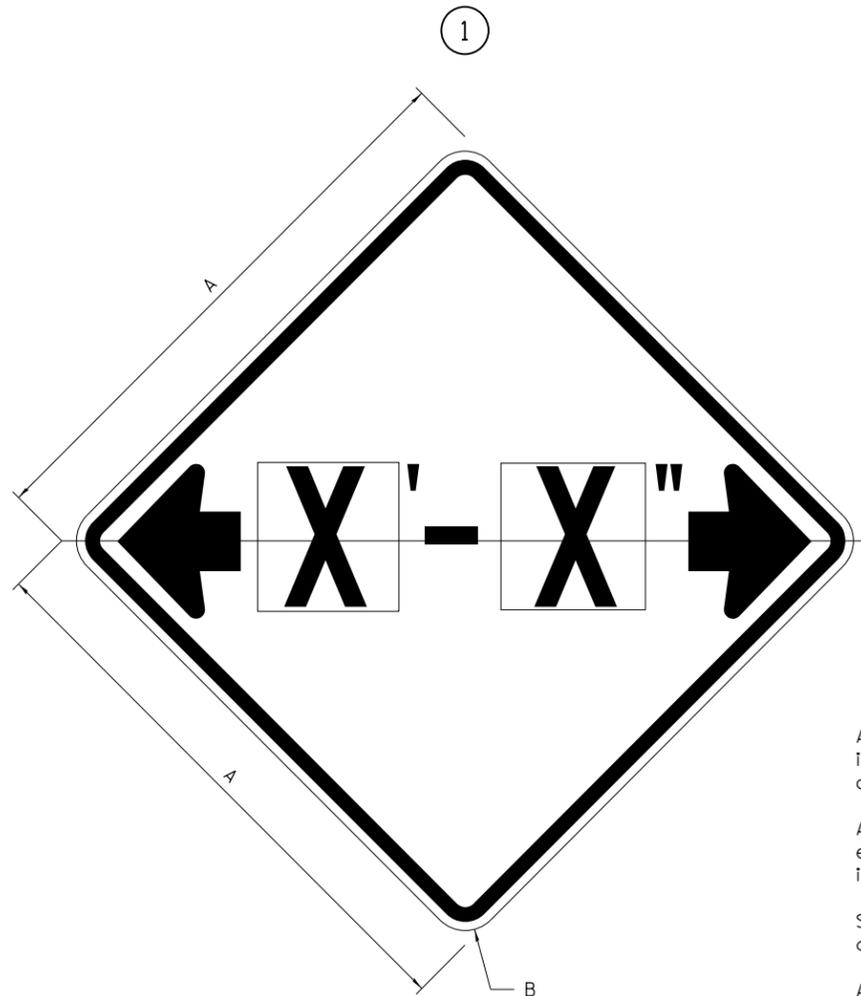
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

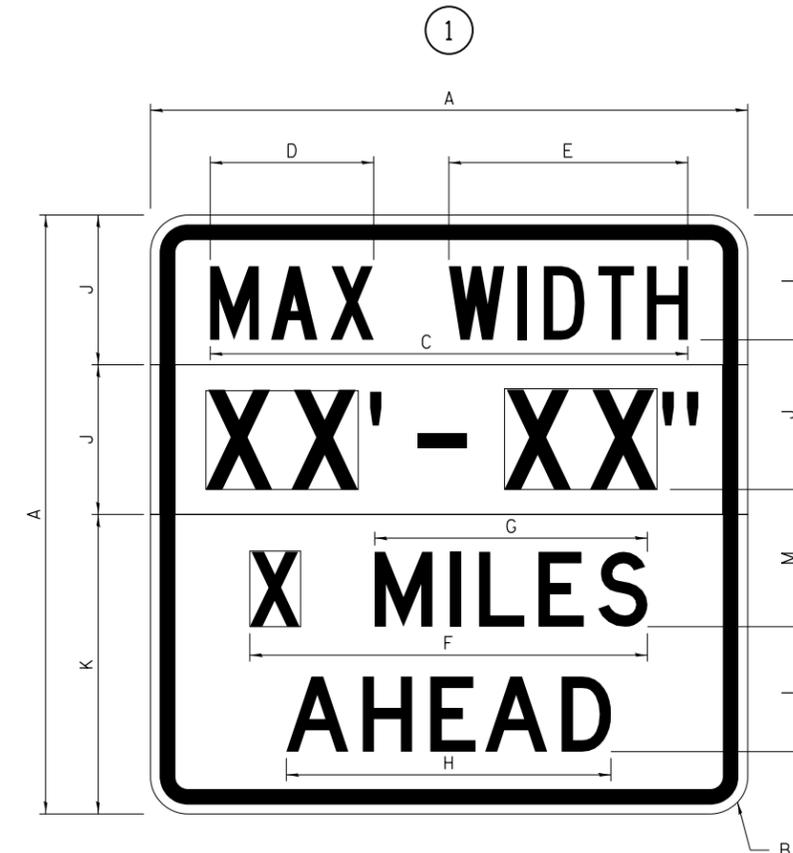
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	24
CONTRACT NO. 64N27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



ILLINOIS STANDARD W12-I103



GENERAL NOTES

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

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

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

All dimensions are in inches unless otherwise noted.

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

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 NAME =	USER NAME = hoffmanjd	DESIGNED -	REVISED - 3-02-16
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PLOT SCALE = 2.0000' / in.	CHECKED -	REVISIONS -	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

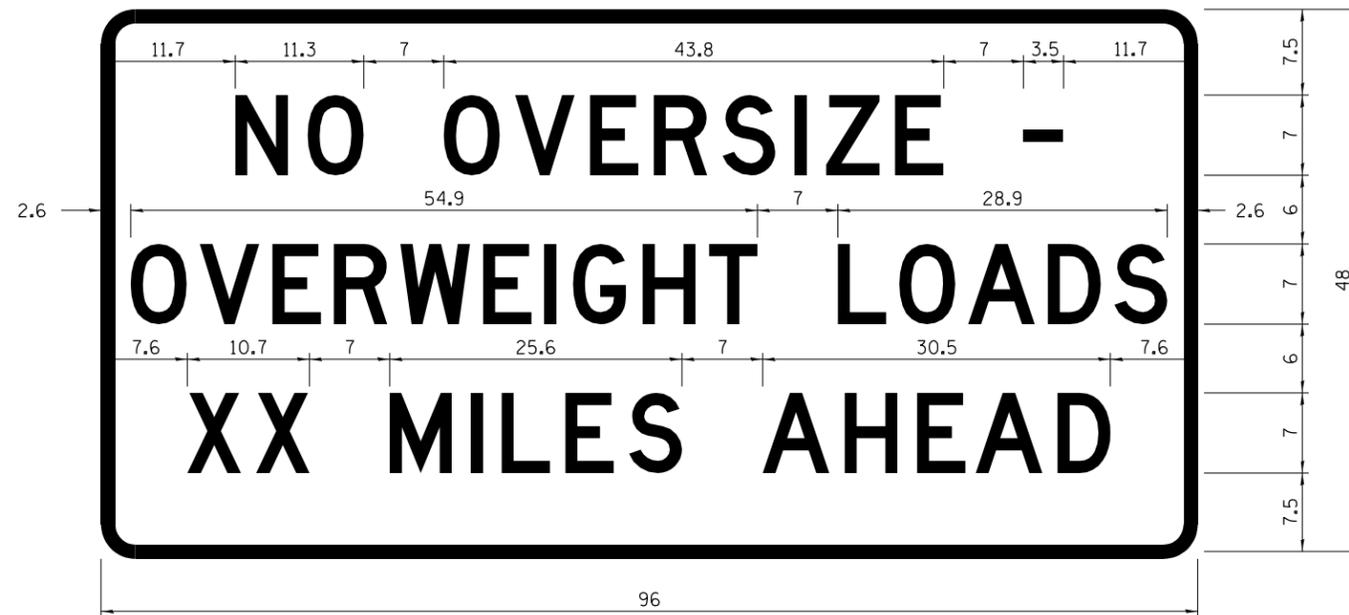
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	25
CONTRACT NO. 64N27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS

STOP LINE SIGN FOR TEMPORARY SIGNALS



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

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.

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

All dimensions are in inches unless otherwise noted.

FILE NAME =	USER NAME = hoffmanjd	DESIGNED -	REVISED - 3-02-16
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		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

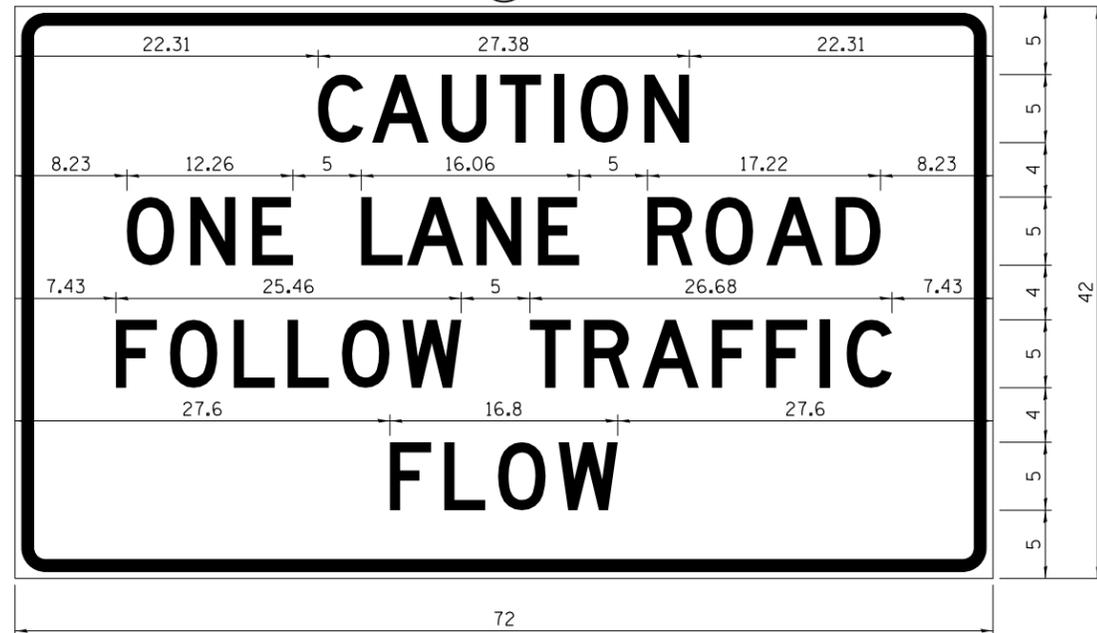
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	26
CONTRACT NO. 64N27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS**

WORK ZONE SIGN DETAILS

②



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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

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

Table Of Widths And Spaces

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

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

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

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

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

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

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

Sign not to scale

GENERAL NOTES

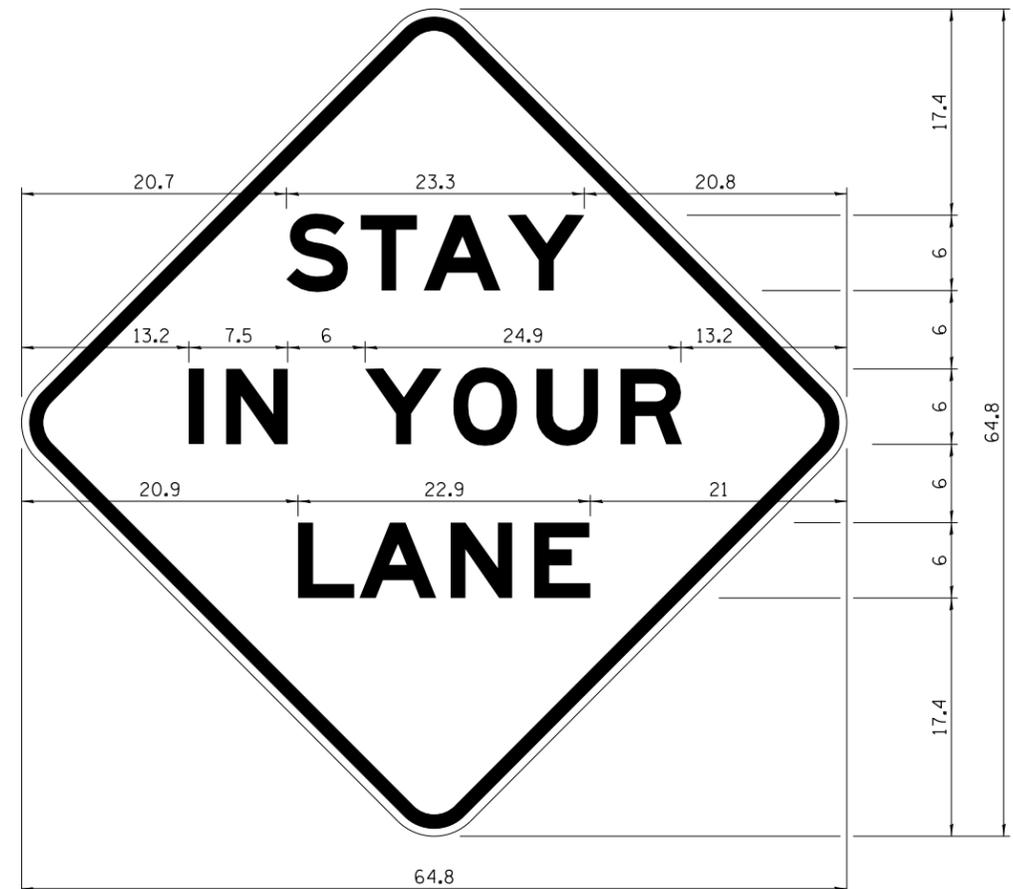
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

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

All dimensions are in inches unless otherwise noted.

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

FILE NAME =	USER NAME = hoffmanjd	DESIGNED -	REVISED - 3-02-16
p:\11\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\64N27\Drawings\Development\Studies & Plans\Development\CA\Sheets\D2-sht-details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

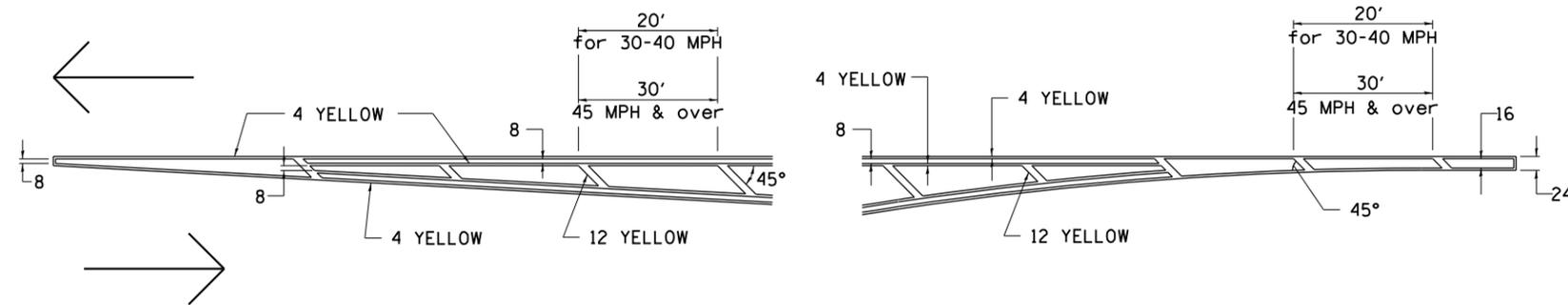
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

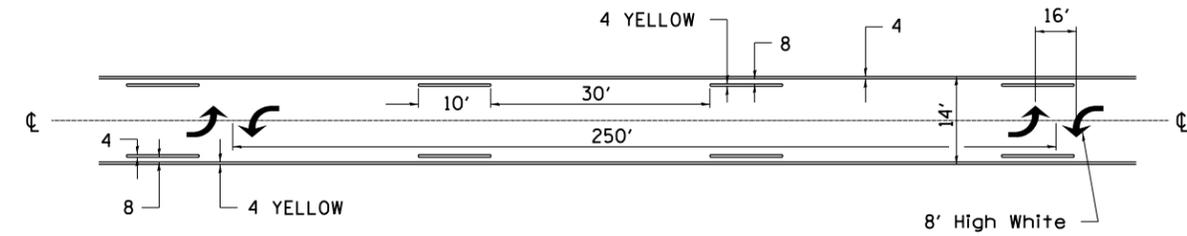
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	27
CONTRACT NO. 64N27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

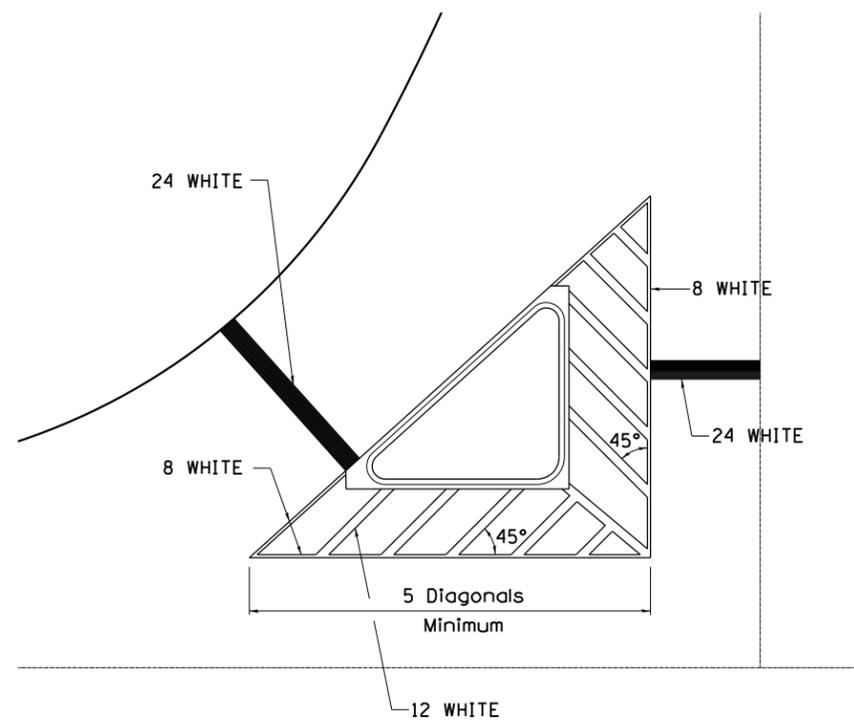


MEDIAN PAVEMENT MARKING



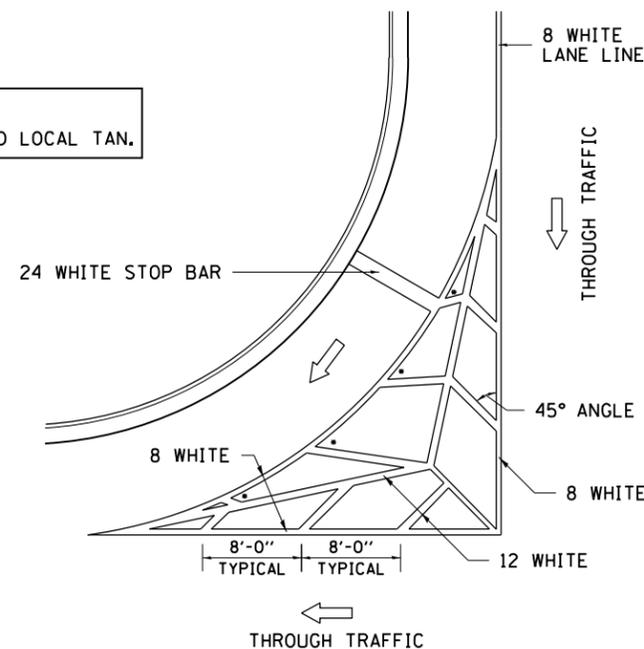
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



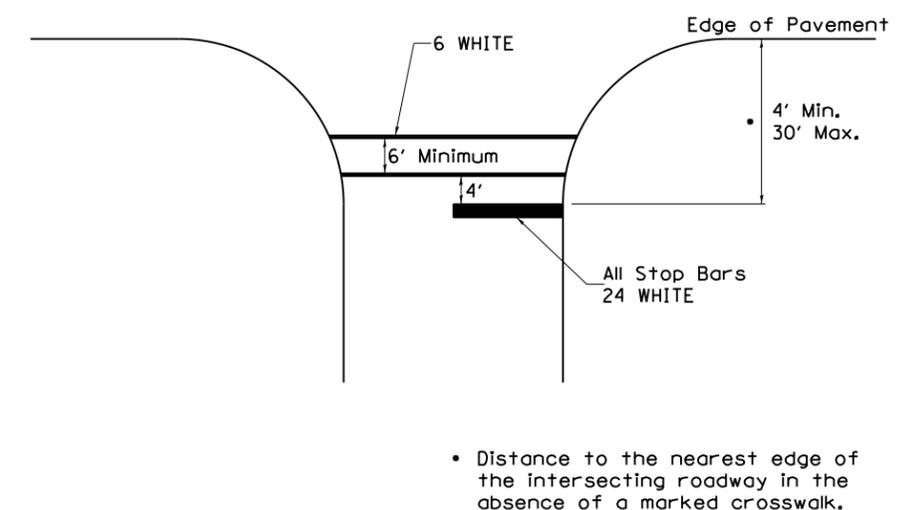
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



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

FILE NAME =	USER NAME = hoffmanjd	DESIGNED -	REVISED - 6-27-14
p:\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\64N27\Drawings\Development\Studies & Plans\Development\CAD\Sheet\64N27-12-details.dgn		DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	DATE -	REVISED -
PLOT DATE = Dec-21-2018 10:58:37 AM	DATE -		REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

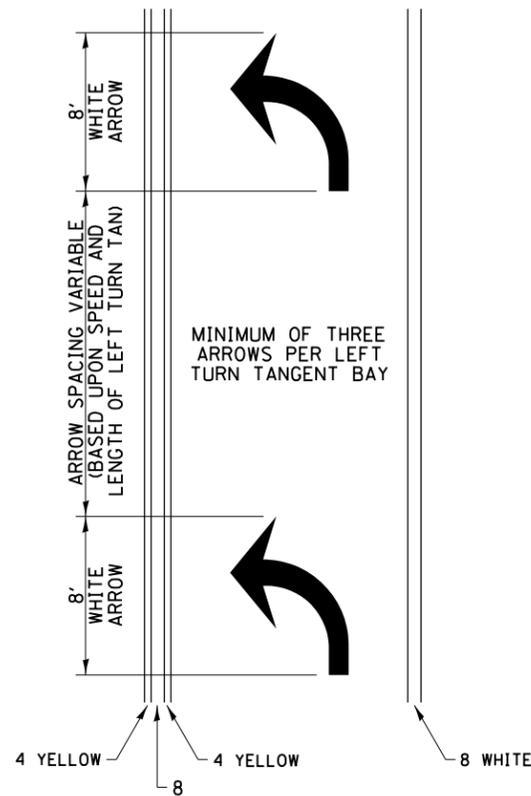
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	28
CONTRACT NO. 64N27				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

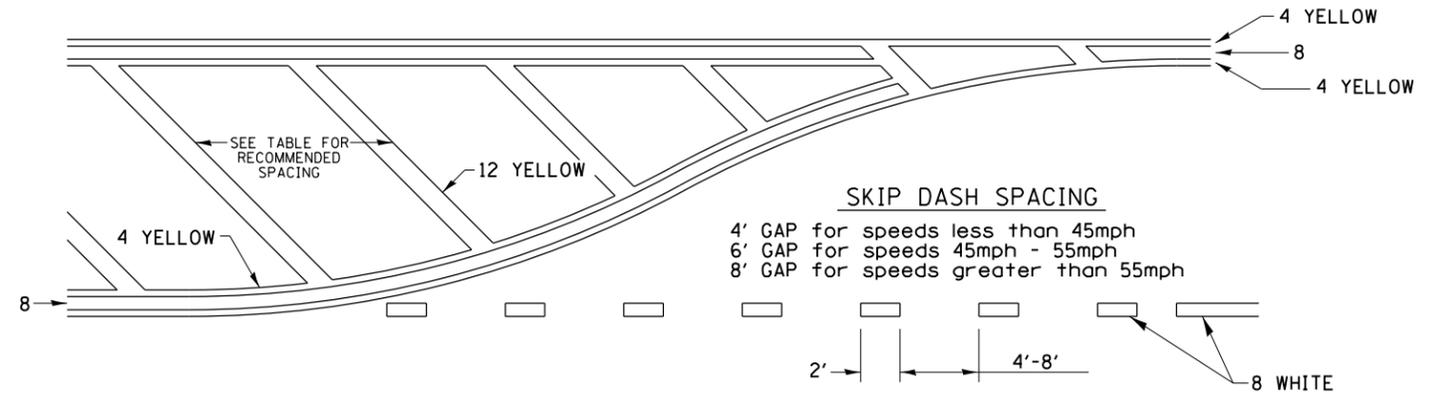
ARROW LAYOUT



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

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

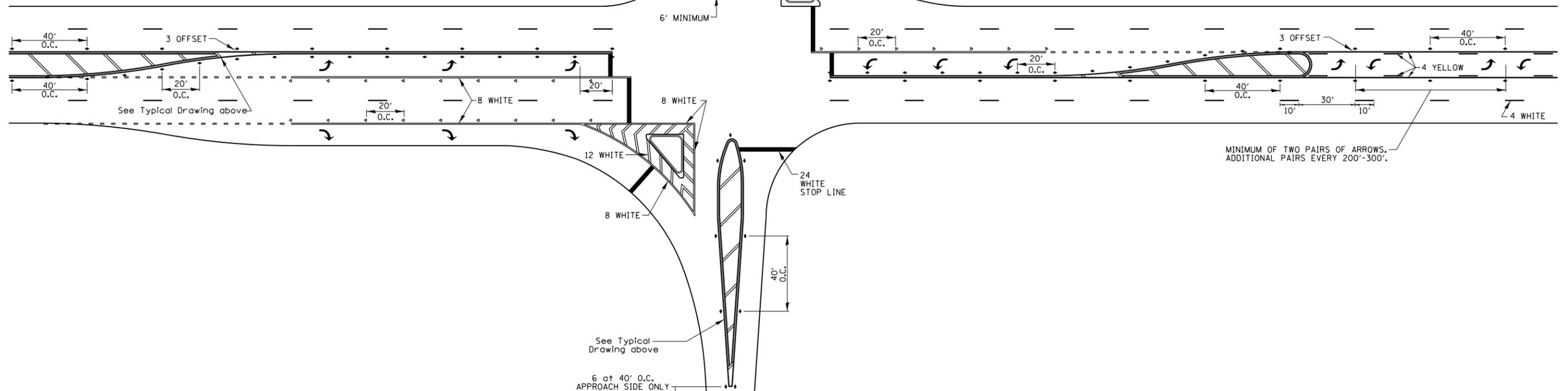
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

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

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



FILE NAME =	USER NAME = hoffmanjd	DESIGNED -	REVISED - 6-27-14
p:\11\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\64N27\Drawings\Development\Studies & Plans\REVISED\CAD\sheet\02-12-details.dgn		DRAWN	REVISED
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISIONS	REVISIONS
PLOT DATE = Dec-21-2018 10:58:59 AM	DATE -	REVISIONS	REVISIONS

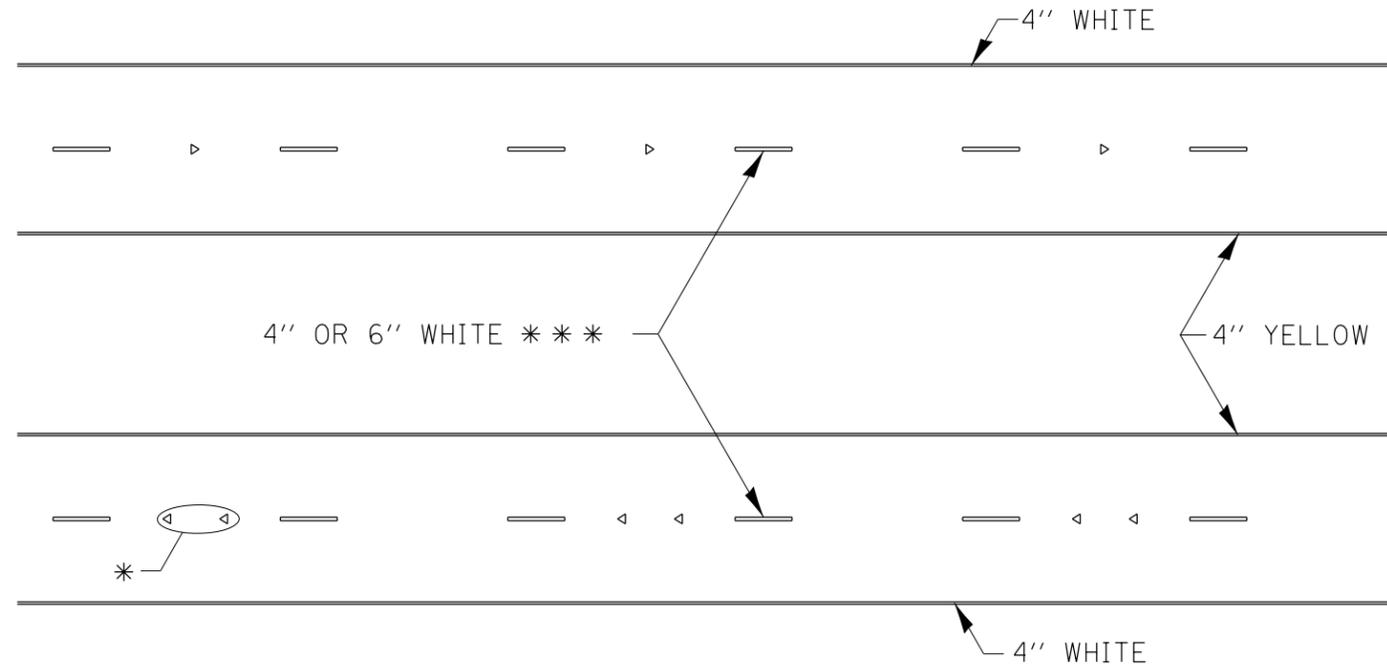
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

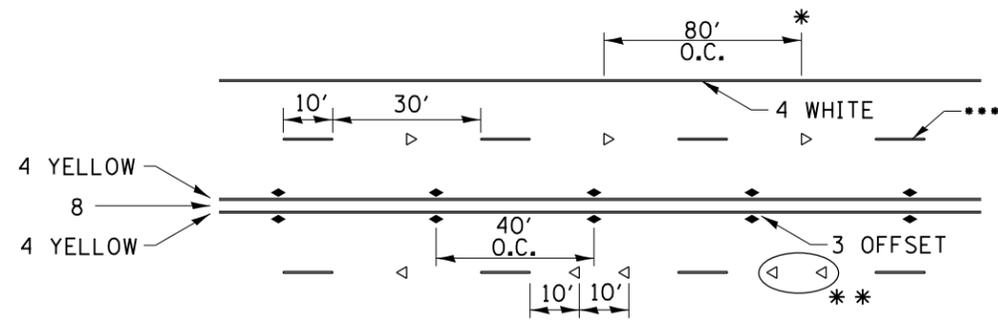
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N27	

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.

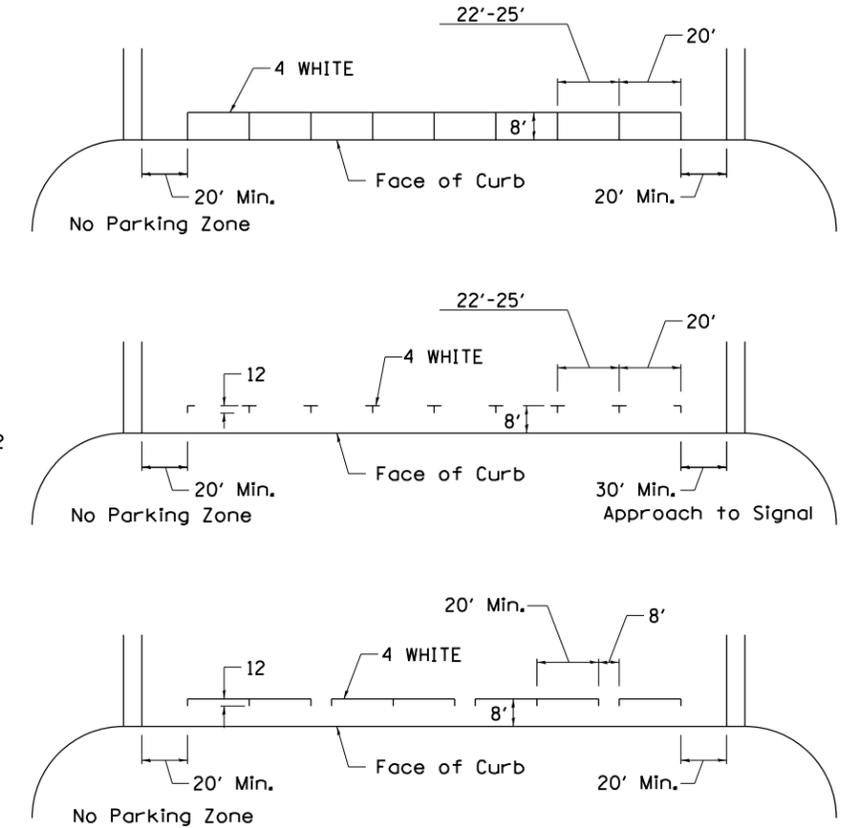
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

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

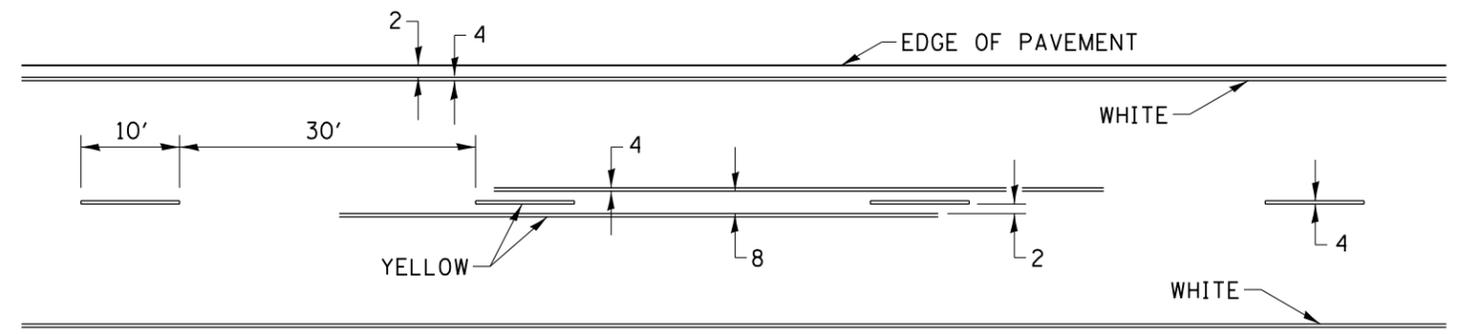
MULTI-LANE / UNDIVIDED & ONE WAY

(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 NAME =	USER NAME = hoffmanjd	DESIGNED -	REVISED - 6-27-14
p:\11\084EBID\INTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\64N27\Drawings\Development\Studies & Plans\Development\CA\Sheet\02-12t-details.dgn		DRAWN	REVISED
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISOR -	REVISOR -
PLOT DATE = Dec-21-2018 11:48:29 AM	DATE -	REVISOR -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
642	D2 BDR 2019-3	JO DAVIESS	30	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 64N27	