

132

04-24-2020 LETTING ITEM 132

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED  
HIGHWAY PLANS

FAP ROUTE 301 (US 20)  
SECTION (177-3,4)RS  
PROJECT NHPP-L15M(340)  
COLD MILLING, PATCHING, & RESURFACING  
STEPHENSON COUNTY

C-92-087-19

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(177-3,4)RS	STEPHENSON	*20	1
		CONTRACT NO.	64N58	

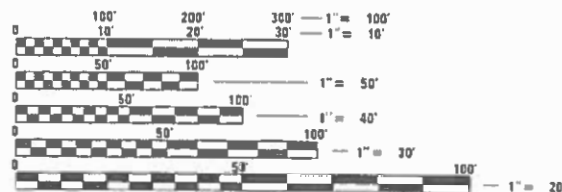
\*20 + 1 = 21 TOTAL SHEETS

D-92-024-19



FOR INDEX OF SHEETS AND STATE STANDARDS,  
SEE SHEET NO. 2

HARLEM TOWNSHIP SECTION (24)  
LANCASTER TOWNSHIP SECTIONS (19,20,21,28)



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

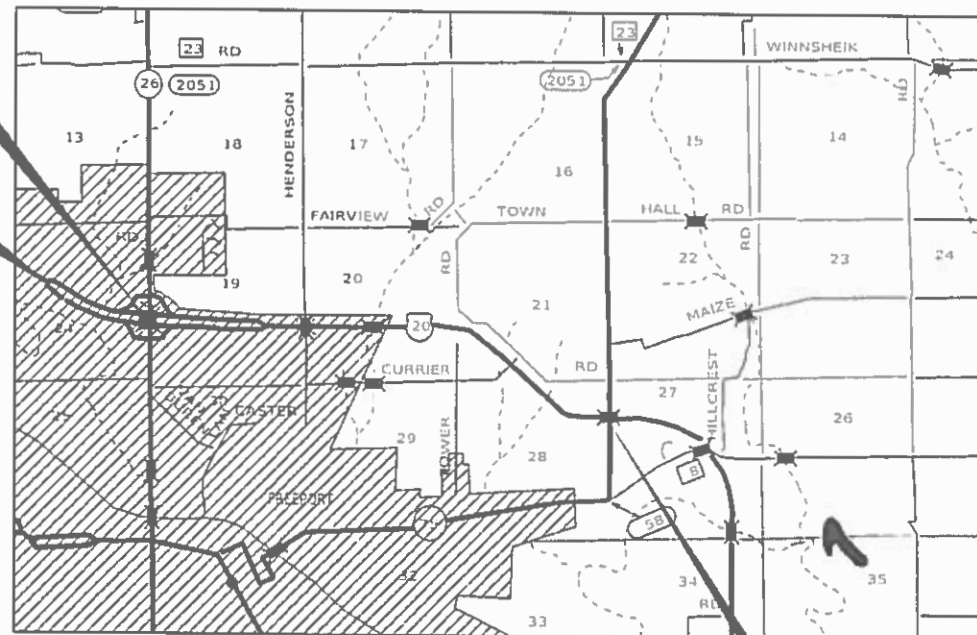
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811

PROJECT ENGINEER : STEVE ROBERY  
TEAM LEADER : COREY CONDERMAN (815) 284-5936  
EMAIL: Corey.Conderman@illinois.gov  
CONTRACT NO. 64N58

PAVING GAP  
STA. 808 + 53 EB TO  
STA. 840 + 92 EB

PROJECT BEGINS  
STA. 808 + 53 EB

T 26-27 N



PROJECT ENDS  
STA. 1010 + 64 EB

GROSS LENGTH = 20211 FT. = 3.83 MILE  
NET LENGTH = 20014 FT. = 3.79 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 31<sup>st</sup> 20 20  
[Signature]  
REGIONAL ENGINEER

March 20 20  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

March 20 20  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

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**HIGHWAY STANDARDS**

000001 - 07	STANDARD SYMBOLS ABBREVIATIONS & PATTERNS
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701406 - 12	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701411 - 09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45 MPH
701426 - 09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
701456 - 05	PARTIAL EXIT RAMP CLOSURE FREEWAY / EXPRESSWAY
701901 - 08	TRAFFIC CONTROL DEVICES
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728001 - 01	TELESCOPING STEEL SIGN SUPPORT
729001 - 01	APPLICATIONS OF TYPES A & B POSTS (FOR SIGNS AND MARKERS)
780001 - 05	TYPICAL PAVEMENT MARKINGS
781001 - 04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

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USER NAME = HOGENSONJD	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX OF SHEETS &amp; HIGHWAY STANDARDS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100,0000 ' / in.	DRAWN -	REVISED -				301	(177-3,4)RS	STEPHENSON	20	2
PLOT DATE = 2/10/2020	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 64N58				
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN ROADWAY	RURAL ROADWAY
				80% FED 20% STATE NHPP 0005	80% FED 20% STATE NHPP 0005
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	54,565	27,185	27,380
40600901	HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70	TON	80	40	40
40600990	TEMPORARY RAMP	SQ YD	154	97	57
40604000	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5 FG, MIX "C", N50	TON	3,923	1,827	2,096
40604062	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "D", N70	TON	7,934	3,990	3,944
44000155	HOT- MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	116,734	58,152	58,582
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	38,717	18,735	19,982
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	2	2
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	4	2	2
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	0.5	0.5
70100800	TRAFFIC CONTROL AND PROTECTION, STANDARD 701401	L SUM	1	0.5	0.5

\* SPECIALTY ITEM

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SCALE:				SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN ROADWAY	RURAL ROADWAY
				80% FED 20% STATE NHPP 0005	80% FED 20% STATE NHPP 0005
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	0.5	0.5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	12,861	5,847	7,014
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1,430	650	780
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	133	25	108
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	50,190	17,159	33,031
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	5,390	2,780	2,610
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	4,862	1,683	3,179
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	377	194	183
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	369	191	178
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	2,326	1,194	1,132
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	145	27	118
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	50,190	17,159	33,031

\* SPECIALTY ITEM

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PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 64N58										
PLOT DATE = 2/3/2020	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	URBAN ROADWAY	RURAL ROADWAY
				80% FED 20% STATE NHPP 0005	80% FED 20% STATE NHPP 0005
* X7830074	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	5,390	2,780	2,610
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	4,862	1,683	3,179
* X7830084	GROOVING FOR RECESSED PAVEMENT MARKING 19"	FOOT	96	72	24
Z0008758	AERIAL SPEED CHECK MARKING	FOOT	96	72	24
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	19,758	10,740	9,018
Z0034105	MATERIAL TRANSFER DEVICE	TON	5,379	2,924	2,455

\* SPECIALTY ITEM

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				SCALE:      SHEET      OF      SHEETS      STA.      TO STA.	CONTRACT NO. 64N58				
				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.

Milling machines on this project shall be capable of removing a layer of bituminous a minimum 6' wide and 1½ inches in depth in a single pass.

The following Mixture Requirements are applicable for this project:

Location(s):	Mainline & Ramps	
	Surface	Shoulders
Mixture Use(s):	PG 58-28	PG 58-28
Design Air Voids:	4.0 @ N70	4.0 @ N50
Mixture Composition (Mixture Gradation):	IL 9.5	IL 9.5 FG
Friction Aggregate:	D	C
Mixture Weight:	112 lbs/sy/in	112 lbs/sy/in
Quality Management Program:	QCP	QC/QA
Sublot Size:	1,000	-
Number of Roller Passes <sup>1)</sup> :	N/A	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.

The Contractor will be required to furnish 5 1/2" high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 6" inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

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.

Install rumble strips in all shoulders in accordance with State Standard 642001 Rumble Strips shall be placed on shoulders on both sides of the pavement.

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.

Work on this project will be in progress at the same time as work on the Contract #64N59 – US 20 WB. Work on these projects shall be scheduled to keep interference between all the projects to a minimum. The contractors shall inform each other of progress of the projects and give fair warning to the other contractors when a problem might be encountered.

The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123.

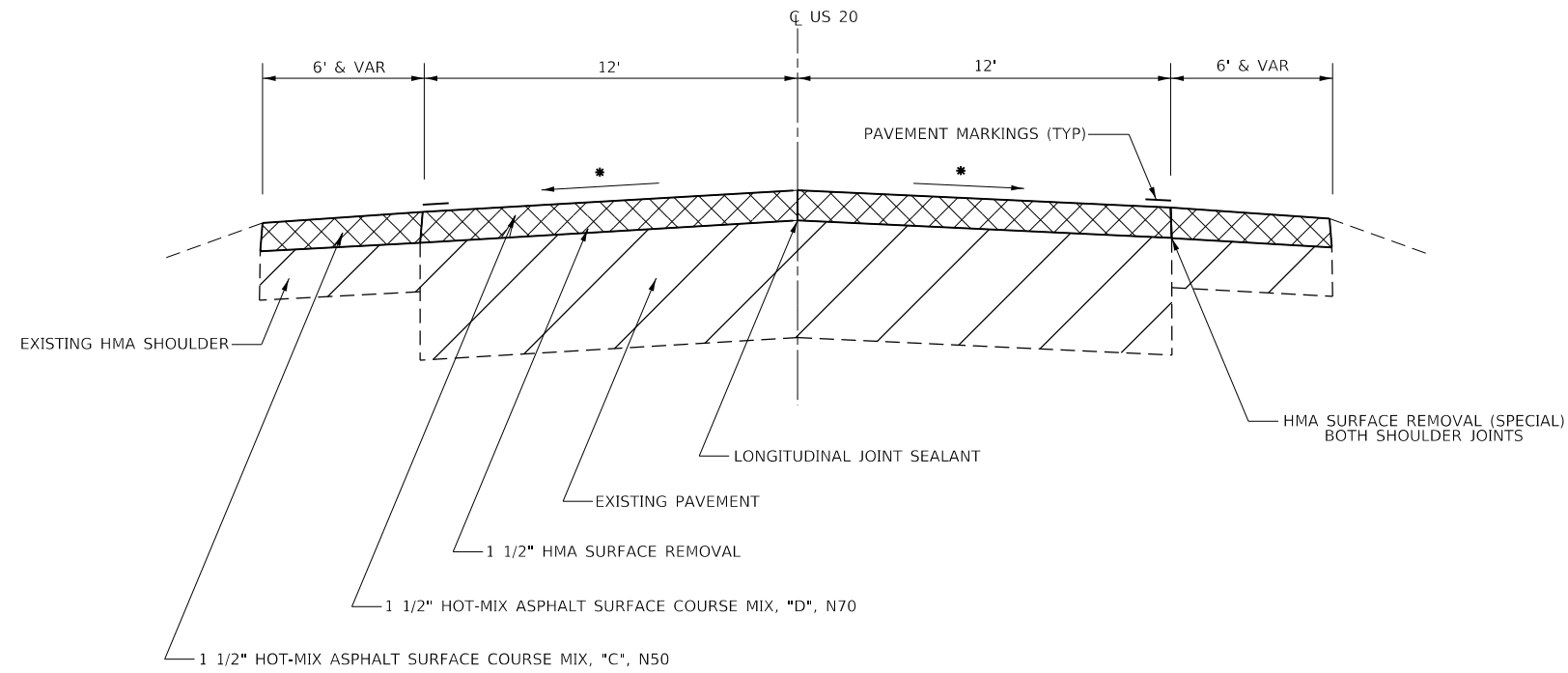
IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

Based on our structural analysis, the following structures can be crossed with an empty MTD with the following maximum gross weight restrictions: 089-0046 (40 tons), 089-0047 (40 tons), 089-0048 (40 tons), 089-0056 (40 tons), 089-0057 (40 tons), 089-0080 (40 tons), 089-1085 (40 tons), 089-1086 (40 tons), 089-1087 (40 tons), 089-1088 (40 tons), and 089-2008 (40 tons).

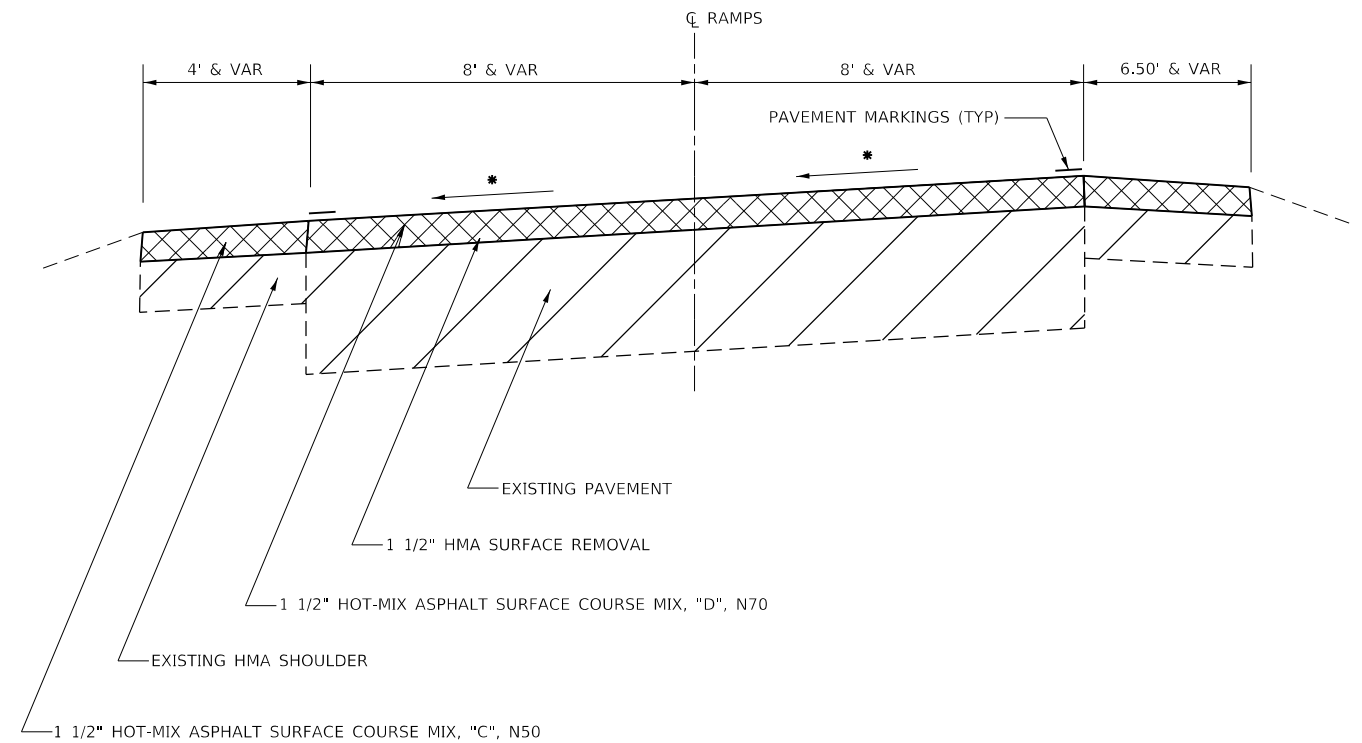
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	DATE = 6/19/2019 1:38 PM	REVISED -	SCALE			SHEET NO.	OF SHEETS	STA. TO STA.	ILLINOIS	FED. AID PROJECT

EB STA 808+53 - EB STA 838+95  
 EB STA 840+92 - EB STA 1010+64

URBAN LIMITS (STA. 808+53 TO STA. 919+60)  
 RURAL LIMITS (STA. 919+60 TO STA. 1010+64)



ON & OFF RAMPS  
 IL 26 & IL 75



\* MATCH EXISTING SLOPE  
 MINIMUM 1/8"/FT CROSS SLOPE

BITUMINOUS APPLICATION RATES: 112 LB / SQ YD / INCH

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	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(117-3,4)RS	STEPHENSON	20	7
CONTRACT NO. 64N58				
ILLINOIS FED. AID PROJECT				

# SCHEDULE OF QUANTITIES

40600901 HOT-MIX ASPHALT BINDER COURSE (HAND METHOD), N70

TON		LOCATION
URBAN	RURAL	US 20 EB
40	40	As Needed & Directed by the Resident (Mainline and Ramps)
	80	TOTAL

40600990 TEMPORARY RAMP

SO YD		LOCATION	Remarks
(Taper Rate = 1' : 40' at 1.5", so L = 5')			
URBAN	RURAL	US 20 EB	
22.2		Sta 808 + 53	40' wide x 5' long
13.3		Sta 838 + 13	24' wide x 5' long - mainline
8.9		Sta 838 + 95	(10' + 6') wide x 5' long -shoulders
8.9		Sta 840 + 92	(10' + 6') wide x 5' long -shoulders
13.3		Sta 841 + 80	24' wide x 5' long - mainline
	13.3	Sta 1009 + 78	24' wide x 5' long - mainline
	11.1	Sta 1010 + 64	(10' + 10') wide x 5' long -shoulders
14.7		Sta 18 + 10	Exit Ramp - IL 26 26.5' wide x 5' long
14.7		Sta 01 + 55	Entrance Ramp - IL 26 26.5' wide x 5' long
	14.7	Sta 18 + 50	Exit Ramp - IL 75 26.5' wide x 5' long
	17.5	Sta 00 + 00	Entrance Ramp - IL 75 31.5' wide x 5' long
97	57	SUB-TOTAL	
	154	TOTAL	

64200116 SHOULDER RUMBLE STRIPS, 16 INCH

FOOT		LOCATION	Remarks
(See Highway Standard 642001)			
URBAN	RURAL	US 20 EB	
1,353		Sta 808 + 53 - 822 + 06	RT Start of Project to IL 26 Ramp (SW)
1,050		Sta 828 + 45 - 838 + 95	RT IL 26 Ramp (SW) to IL 26 Bridge
916		Sta 840 + 92 - 850 + 08	RT IL 26 Bridge to IL 26 Ramp (SE)
5,668		Sta 862 + 92 - 919 + 60	RT IL 26 Ramp (SE) to IL 75 Ramp (SW)
	7,352	Sta 919 + 60 - 993 + 12	RT IL 26 Ramp (SE) to IL 75 Ramp (SW)
	1,068	Sta 999 + 96 - 1010 + 64	RT IL 75 Ramp (SW) to IL 75 Bridge
3,042		Sta 808 + 53 - 838 + 95	LT Start of Project to IL 26 Bridge
1,810		Sta 840 + 92 - 859 + 02	LT IL 26 Bridge to Concrete Crossover
4,896		Sta 870 + 64 - 919 + 60	LT Concrete Crossover to IL 75 Bridge
	9,104	Sta 919 + 60 - 1010 + 64	LT Concrete Crossover to IL 75 Bridge
	2,458	Sta 14 + 69 - 39 + 27	RT IL 75 Entrance Ramp (SE)
18,735	19,982	SUB-TOTAL	
	38,717	TOTAL	

70300100 SHORT TERM PAVEMENT MARKING

FOOT		LOCATION	(3 Applications - Milled, Tack Coat, Surface)
URBAN	RURAL	US 20 EB	Yellow
118		Sta 808 + 53 - 838 + 13	LT Shoulder Diagonals (4' diagonal every 100')
315		Sta 840 + 92 - 919 + 60	LT Shoulder Diagonals (4' diagonal every 100')
	365	Sta 919 + 60 - 1010 + 64	LT Shoulder Diagonals (4' diagonal every 100')
45		Sta 06 + 80 - 18 + 10	LT Exit Ramp to IL 26 - shld. diagonals
37		Sta 01 + 55 - 10 + 70	LT Entrance Ramp from IL 26 - shld. diagonals
	46	Sta 06 + 88 - 18 + 50	LT Exit Ramp to IL 75 - shld. diagonals
	45	Sta 00 + 00 - 11 + 24	LT Entrance Ramp from IL 75 - shld. diagonals
515	456	Yellow Total (1 appl.)	
1,545	1,368	Yellow Total (3 appl.)	
URBAN	RURAL	US 20 EB	White
296		Sta 808 + 53 - 838 + 13	Centerline Skip Dash (4' every 40')
778		Sta 841 + 80 - 919 + 60	Centerline Skip Dash (4' every 40')
	911	Sta 919 + 60 - 1010 + 64	Centerline Skip Dash (4' every 40')
54		Sta 808 + 53 - 822 + 06	RT Shoulder Diagonals (4' diagonal every 100')
58		Sta 824 + 44 - 838 + 95	RT Shoulder Diagonals (4' diagonal every 100')
54		Sta 840 + 92 - 854 + 44	RT Shoulder Diagonals (4' diagonal every 100')
	521	Sta 962 + 92 - 993 + 12	RT Shoulder Diagonals (4' diagonal every 100')
	58	Sta 996 + 23 - 1010 + 64	RT Shoulder Diagonals (4' diagonal every 100')
72		Sta 00 + 00 - 18 + 10	RT Exit Ramp to IL 26 - shld. diagonals
16		Sta 02 + 74 - 06 + 80	LT Exit Ramp to IL 26 - shld. diagonals (gore)
88		Sta 01 + 55 - 23 + 52	RT Entrance Ramp from IL 26 - shld. diagonals
18		Sta 10 + 70 - 15 + 10	LT Entrance Ramp from IL 26 - shld. diagonals
	74	Sta 00 + 00 - 18 + 50	RT Exit Ramp to IL 75 - shld. diagonals
	15	Sta 03 + 15 - 06 + 88	LT Exit Ramp to IL 75 - shld. diagonals
	157	Sta 00 + 00 - 39 + 27	RT Entrance Ramp from IL 75 - shld. diagonals
	14	Sta 11 + 24 - 14 + 69	LT Entrance Ramp from IL 75 - shld. diagonals
	132	Sta 14 + 69 - 27 + 87	LT Entrance Ramp from IL 75 - Centerline skip dash
1,434	1,882	White Total (1 appl.)	
4,302	5,646	White Total (3 appl.)	
5,847	7,014	SUB-TOTAL	
	12,861	TOTAL	

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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/10/2020	DATE -	REVISED -

**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.
301	(177-3,4)RS	STEPHENSON	20	8
CONTRACT NO. 64N58				
ILLINOIS			FED. AID PROJECT	



# SCHEDULE OF QUANTITIES

**70300150 SHORT TERM PAVEMENT MARKING REMOVAL**

SO FT	LOCATION	(Surface Removal Only of Short Term)
URBAN	RURAL	US 20 EB
39.3		Sta 808 + 53 - 838 + 13 LT Shoulder Diagonals (4' diagonal every 100')
105.0		Sta 840 + 92 - 919 + 60 LT Shoulder Diagonals (4' diagonal every 100')
	121.7	Sta 919 + 60 - 1010 + 64 LT Shoulder Diagonals (4' diagonal every 100')
15.0		Sta 06 + 80 - 18 + 10 LT Exit Ramp to IL 26 - shld. diagonals
12.3		Sta 01 + 55 - 10 + 70 LT Entrance Ramp from IL 26 - shld. diagonals
	15.3	Sta 06 + 88 - 18 + 50 LT Exit Ramp to IL 75 - shld. diagonals
	15.0	Sta 00 + 00 - 11 + 24 LT Entrance Ramp from IL 75 - shld. diagonals
171.7	152.0	<i>Yellow Total</i>
URBAN	RURAL	US 20 EB
98.7		Sta 808 + 53 - 838 + 13 Centerline Skip Dash (4' every 40')
259.3		Sta 841 + 80 - 919 + 60 Centerline Skip Dash (4' every 40')
	303.7	Sta 919 + 60 - 1010 + 64 Centerline Skip Dash (4' every 40')
18.0		Sta 808 + 53 - 822 + 06 RT Shoulder Diagonals (4' diagonal every 100')
19.3		Sta 824 + 44 - 838 + 95 RT Shoulder Diagonals (4' diagonal every 100')
18.0		Sta 840 + 92 - 854 + 44 RT Shoulder Diagonals (4' diagonal every 100')
	173.7	Sta 962 + 92 - 993 + 12 RT Shoulder Diagonals (4' diagonal every 100')
	19.3	Sta 996 + 23 - 1010 + 64 RT Shoulder Diagonals (4' diagonal every 100')
24.0		Sta 00 + 00 - 18 + 10 RT Exit Ramp to IL 26 - shld. diagonals
5.3		Sta 02 + 74 - 06 + 80 LT Exit Ramp to IL 26 - shld. diagonals (gore)
29.3		Sta 01 + 55 - 23 + 52 RT Entrance Ramp from IL 26 - shld. diagonals
6.0		Sta 10 + 70 - 15 + 10 LT Entrance Ramp from IL 26 - shld. diagonals
	24.7	Sta 00 + 00 - 18 + 50 RT Exit Ramp to IL 75 - shld. diagonals
	5.0	Sta 03 + 15 - 06 + 88 LT Exit Ramp to IL 75 - shld. diagonals
	52.3	Sta 00 + 00 - 39 + 27 RT Entrance Ramp from IL 75 - shld. diagonals
	4.7	Sta 11 + 24 - 14 + 69 LT Entrance Ramp from IL 75 - shld. diagonals
	44.0	Sta 14 + 69 - 27 + 87 LT Entrance Ramp from IL 75 - Centerline skip dash
478.0	627.3	<i>White Total</i>
650	780	SUB-TOTAL
1,430		TOTAL

**78009000 MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS**

SO FT	LOCATION	(See DS 41.1 & DS 44.1 and Standard 78001)
URBAN	RURAL	US 20 EB
24.3		Sta 17 + 17 Wrong Way Arrow Exit Ramp to IL 26
	24.3	Sta 17 + 12 Wrong Way Arrow Exit Ramp to IL 75
	41.5	Sta 22 + 37 Lane Drop Arrow Entrance Ramp fr. IL 75
	41.5	Sta 33 + 37 Lane Drop Arrow Entrance Ramp fr. IL 75
25	108	SUB-TOTAL
133		TOTAL

**78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"**

FOOT	LOCATION	(See DS 41.1 & DS 44.1 and Standard 78001)
URBAN	RURAL	US 20 EB
11,107		Sta 808 + 53 - 919 + 60 LT Edge Line
	9,104	Sta 919 + 60 - 1010 + 64 LT Edge Line
1,130		Sta 06 + 80 - 18 + 10 LT Exit Ramp to IL 26 - Edge Line
915		Sta 01 + 55 - 10 + 70 LT Entrance Ramp from IL 26 - Edge Line
	1,162	Sta 06 + 88 - 18 + 50 LT Exit Ramp to IL 75 - Edge Line
	1,124	Sta 00 + 00 - 11 + 24 LT Entrance Ramp from IL 75 - Edge Line
13,152	11,390	<i>Yellow Total</i>
URBAN	RURAL	US 20 EB
	1,353	Sta 934 + 44 - 986 + 60 RT Edge Line
	2,163	Sta 986 + 60 - 994 + 63 RT Edge Line
	13,020	Sta 994 + 63 - 998 + 67 RT Edge Line
	1,068	Sta 1120 + 60 - 1127 + 66 RT Edge Line
1,810		Sta 1127 + 66 - 1131 + 30 RT Exit Ramp to IL 26 - Edge Line
2,197		Sta 1132 + 13 - 1136 + 75 RT Entrance Ramp from IL 26 - Edge Line
	1,850	Sta 1136 + 75 - 1137 + 38 RT Exit Ramp to IL 75 - Edge Line
	2,187	Sta 1137 + 38 - 1153 + 94 RT Entrance Ramp from IL 75 - Edge Line
4,007	21,641	<i>White Total</i>
17,159	33,031	SUB-TOTAL
50,190		TOTAL

**78009006 MODIFIED URETHANE PAVEMENT MARKING - LINE 6"**

FOOT	LOCATION	(See DS 41.1 & DS 44.1 and Standard 78001)
URBAN	RURAL	US 20 EB
2,780		Sta 808 + 53 - 919 + 60 CL Skip Dash
	2,280	Sta 919 + 60 - 1010 + 64 CL Skip Dash
	330	Sta 14 + 69 - 27 + 87 LT Skip Dash for Entrance Ramp from IL 75
2,780	2,610	SUB-TOTAL
5,390		TOTAL

**78009008 MODIFIED URETHANE PAVEMENT MARKING - LINE 8"**

FOOT	LOCATION	(See DS 41.1 & DS 44.1 and Standard 78001)
URBAN	RURAL	US 20 EB
401		Sta 824 + 44 - 828 + 45 RT Exit Ramp to IL 26 - gore area
406		Sta 02 + 74 - 06 + 80 LT Exit Ramp to IL 26 - gore area
436		Sta 850 + 08 - 854 + 44 RT Entrance Ramp from IL 26 - gore area
440		Sta 10 + 70 - 15 + 10 LT Entrance Ramp from IL 26 - gore area
	373	Sta 996 + 23 - 999 + 96 RT Exit Ramp to IL 75 - gore area
	373	Sta 03 + 15 - 06 + 88 LT Exit Ramp to IL 75 - gore area
	348	Sta 1023 + 43 - 1026 + 91 RT Entrance Ramp from IL 75 - gore area
	345	Sta 11 + 24 - 14 + 69 LT Entrance Ramp from IL 75 - gore area
	1,740	Sta 21 + 87 - 39 + 27 RT Entrance Ramp from IL 75 - edge line (lane reduction)
1,683	3,179	SUB-TOTAL
4,862		TOTAL

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USER NAME = HOGENSONJD	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/10/2020	DATE -	REVISED -

**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.
301	(177-3,4)RS	STEPHENSON	20	9
CONTRACT NO. 64N58				
ILLINOIS FED. AID PROJECT				



# SCHEDULE OF QUANTITIES

**X7830084 GROOVING FOR RECESSED PAVEMENT MARKING 19"**

<u>FOOT</u>	<u>LOCATION</u>	(See Dist Std 46.4 - 3 Stripes x 4' @ 660')	
URBAN	RURAL	US 20 EB	White
12		Sta 810 + 84	Aerial Speed Check Zone Stripes
12		Sta 817 + 44	Aerial Speed Check Zone Stripes
12		Sta 838 + 09	Aerial Speed Check Zone Stripes
12		Sta 844 + 69	Aerial Speed Check Zone Stripes
12		Sta 851 + 29	Aerial Speed Check Zone Stripes
12		Sta 913 + 36	Aerial Speed Check Zone Stripes
	12	Sta 919 + 96	Aerial Speed Check Zone Stripes
	12	Sta 926 + 56	Aerial Speed Check Zone Stripes
72	24	SUB-TOTAL	
96		TOTAL	

**Z0008758 AERIAL SPEED CHECK MARKING**

<u>FOOT</u>	<u>LOCATION</u>	(See Dist Std 46.4 - 3 Stripes x 4' @ 660')	
URBAN	RURAL	US 20 EB	White
12		Sta 810 + 84	Aerial Speed Check Zone Stripes
12		Sta 817 + 44	Aerial Speed Check Zone Stripes
12		Sta 838 + 09	Aerial Speed Check Zone Stripes
12		Sta 844 + 69	Aerial Speed Check Zone Stripes
12		Sta 851 + 29	Aerial Speed Check Zone Stripes
12		Sta 913 + 36	Aerial Speed Check Zone Stripes
	12	Sta 919 + 96	Aerial Speed Check Zone Stripes
	12	Sta 926 + 56	Aerial Speed Check Zone Stripes
72	24	SUB-TOTAL	
96		TOTAL	

**Z0034105 MATERIAL TRANSFER DEVICE**

<u>TON</u>	<u>LOCATION</u>	(See Special Provisions)	
URBAN	RURAL	US 20 EB	
2,924		As Directed by the Resident (Mainline Surface Only)	
	2,455	As Directed by the Resident (Mainline Surface Only)	
2,924	2,455	SUB-TOTAL	
	5,379	TOTAL	

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USER NAME = HOGENSONJD	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -	
PLOT DATE = 2/10/2020	DATE -	REVISED -	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

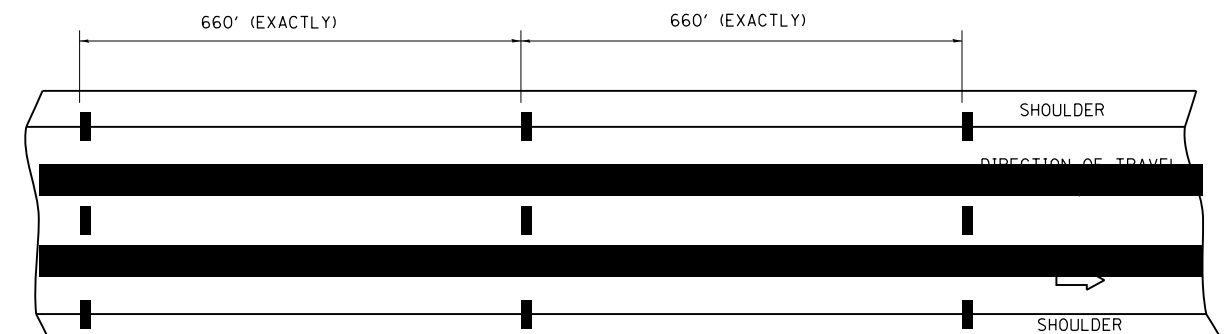
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(177-3,4)RS	STEPHENSON	20	10A
CONTRACT NO. 64N58				
			ILLINOIS FED. AID PROJECT	



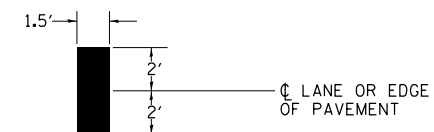
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 PLOT DATE: 2/20/2020

# AERIAL SPEED CHECK ZONES



USE THERMOPLASTIC PAVEMENT MARKINGS MEETING THE REQUIREMENTS OF SECTION 782 OF THE STANDARD SPECIFICATIONS.

### PAVEMENT MARKING DETAIL



### POLICE AERIAL SPEED CHECK ZONES

ESTABLISHED ZONES AND NEW ZONES REQUESTED BY THE ILLINOIS STATE POLICE SHALL BE MARKED CONSISTENT WITH THE REQUIREMENTS OF SECTION 3B.21 OF THE MUTCD. WHEN NEW ZONES ARE PLACED IT WILL BE NECESSARY TO HAVE A REPRESENTATIVE OF THE STATE POLICE PRESENT SO THAT THE ACCURACY OF THE MEASUREMENT CAN BE ATTESTED TO IN COURT.

### ILLINOIS STATE POLICE

DISTRICT 1 STERLING 815/632-4010 CARROLL, LEE, OGLE, WHITESIDE  
 DISTRICT 7 EAST MOLINE 309/752-4915 HENRY, ROCK ISLAND  
 DISTRICT 16 PECAATONICA 815/239-1152 BOONE, JO DAVIESS, STEPHENSON, WINNEBAGO

### BASIS OF PAYMENT:

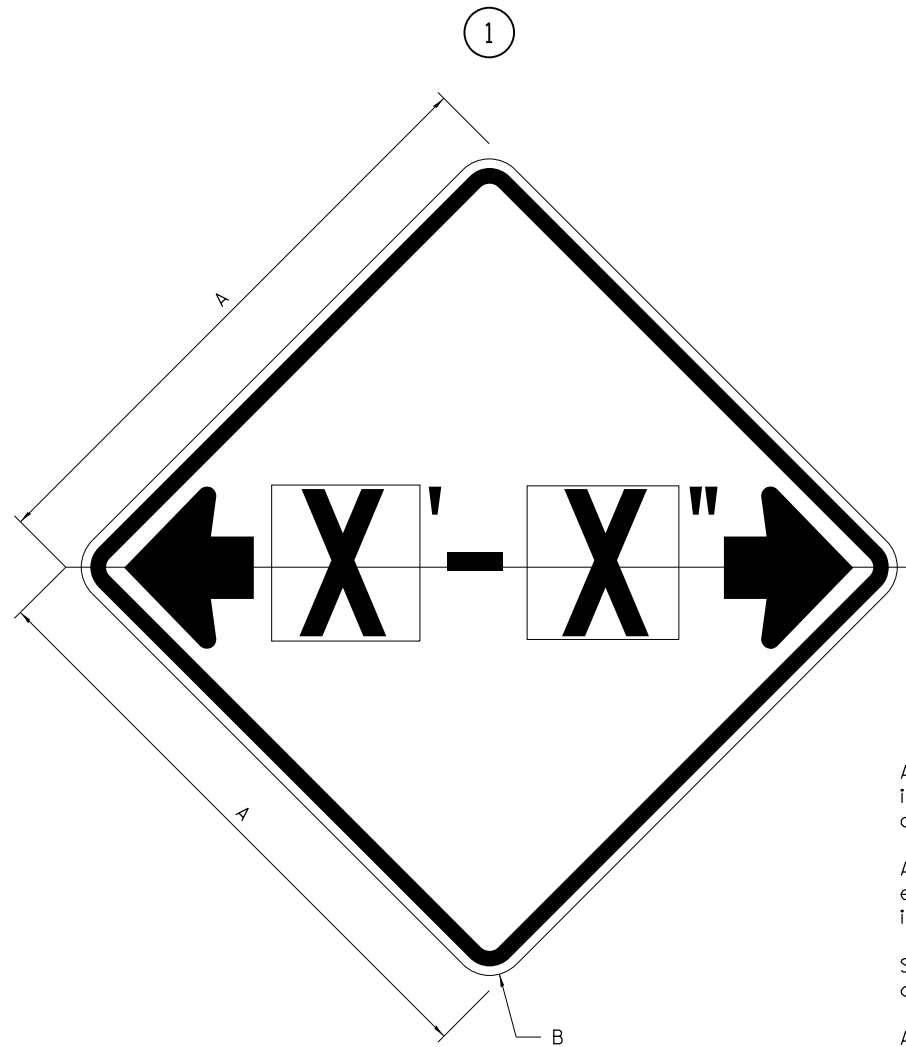
THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR AERIAL SPEED CHECK MARKING.

REVISED - 1-05-16	<b>REGION 2 / DISTRICT 2 STANDARD</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 6-27-14		301	(177-3,4)RS	STEPHENSON	20	12
REVISED - 8-27-13		CONTRACT NO. 64N58				
REVISED - 10-03-11		SCALE: 100,0000' / 1" = SHEET	OF	SHEETS	STA.	TO STA.

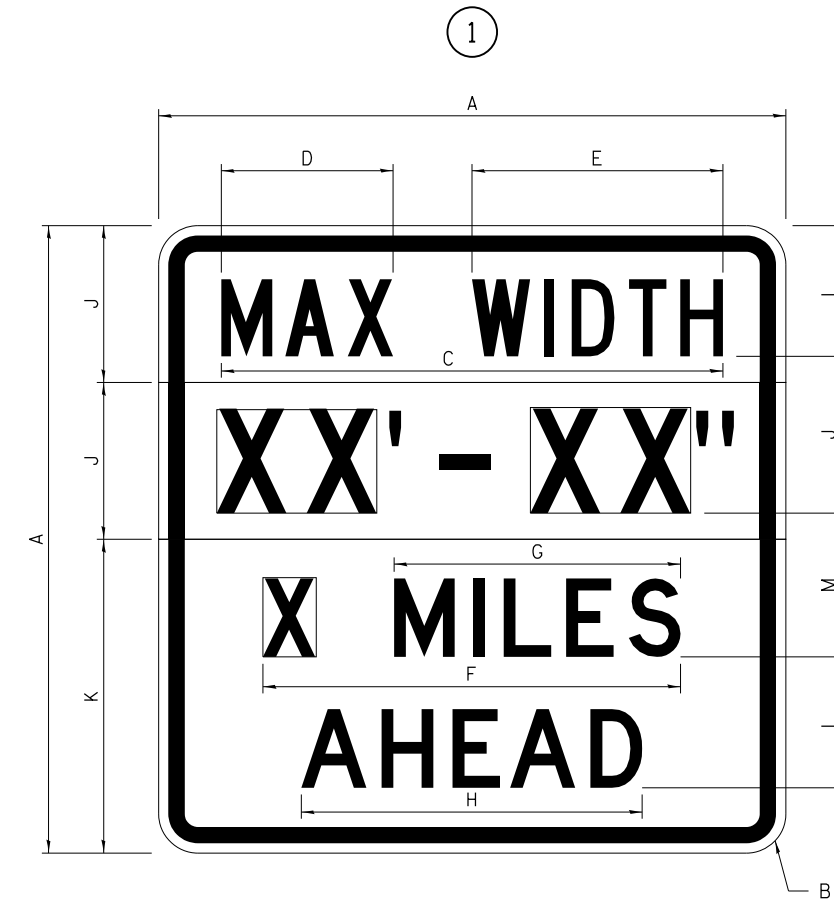


# WORK ZONE SIGN DETAILS

## 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

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/10/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

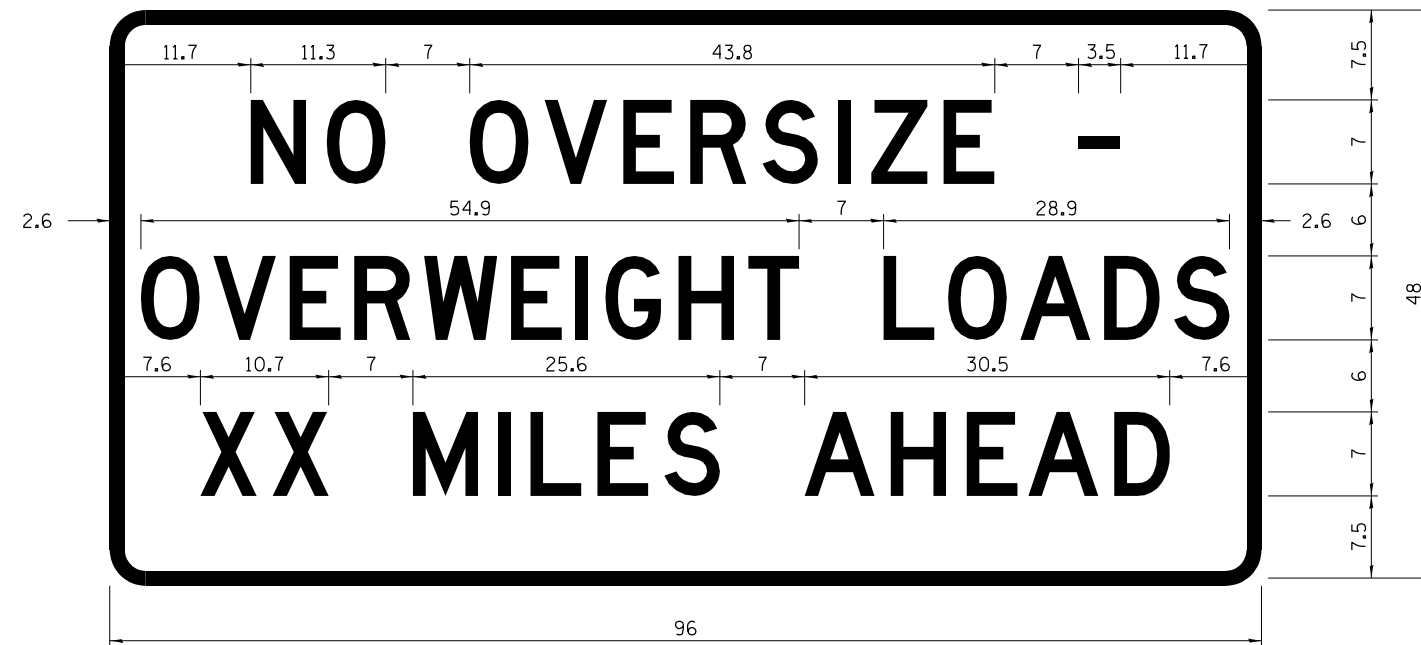
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(177-3,4)RS	STEPHENSON	20	14
CONTRACT NO. 64N58				

# 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.

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	DRAWN -	REVISED -
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PLOT DATE = 2/10/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

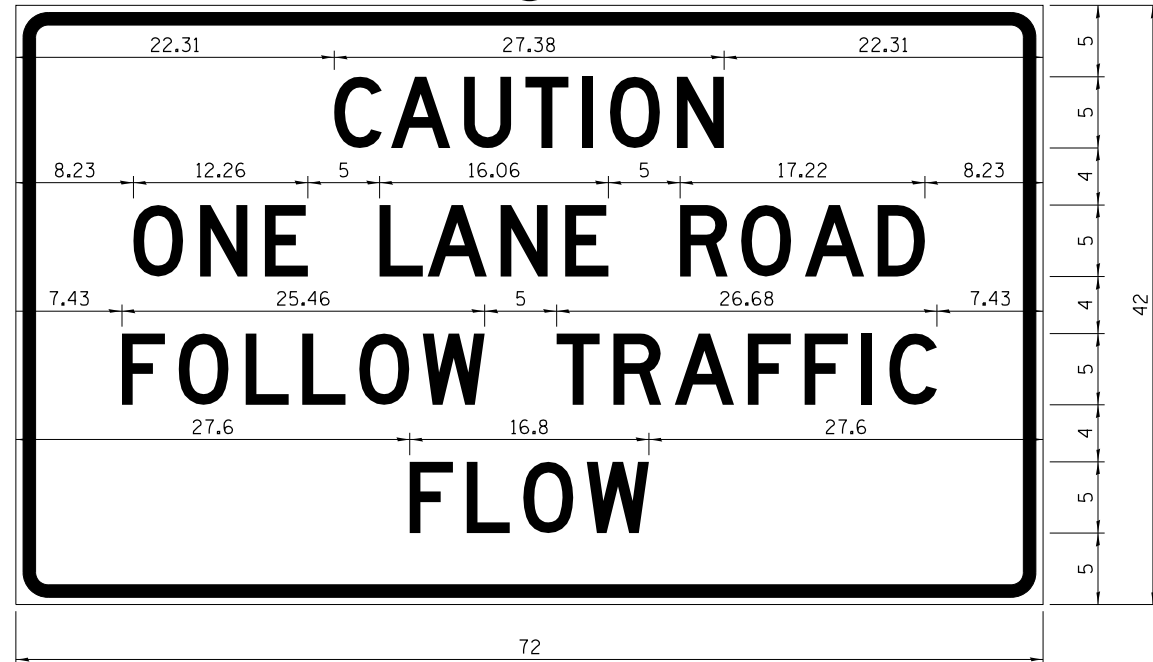
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(177-3,4)RS	STEPHENSON	20	15
CONTRACT NO. 64N58				



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

8.23	O	1.17	N	1.18	E
	3.51		3.36		3.04

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

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

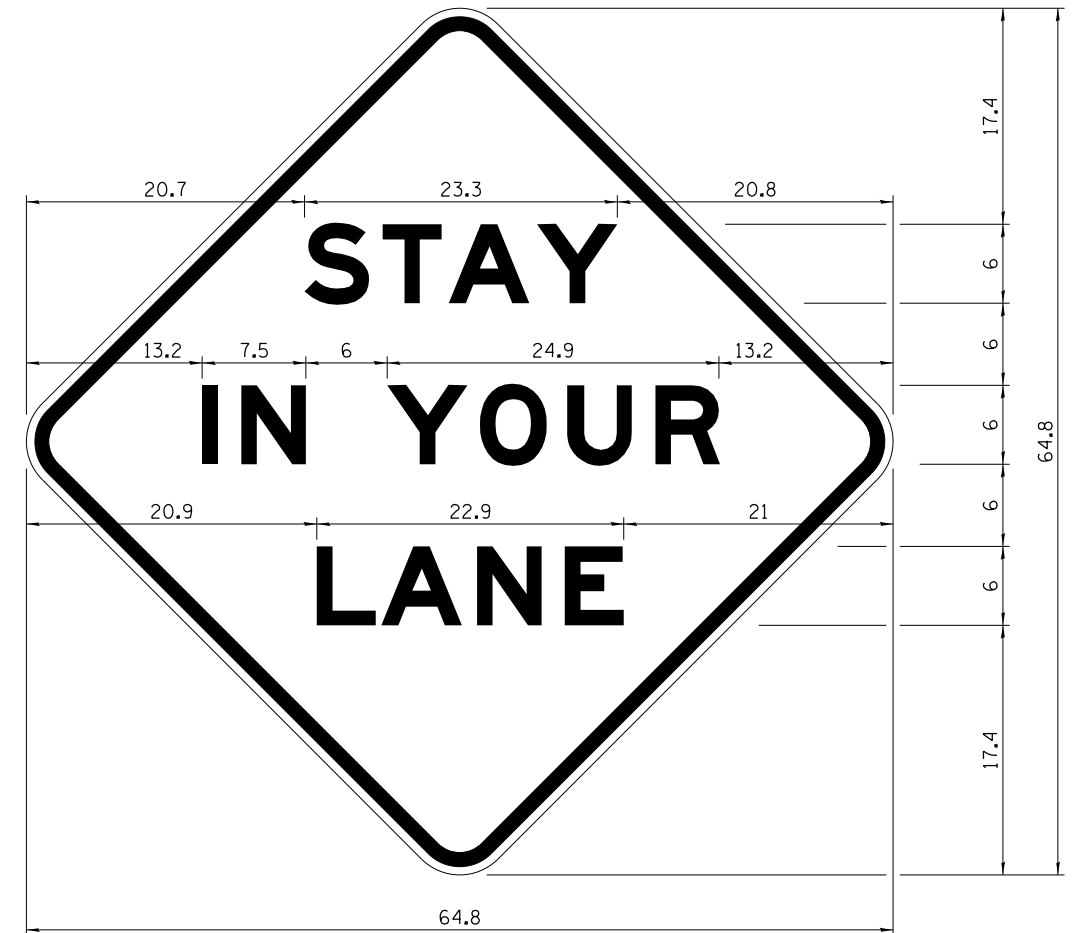
7.43	F	0.94	O	1.17	L	0.94	L	0.94	O	0.94	W
	3.04		3.52		3.04		3.05		3.51		4.37

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

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

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.

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USER NAME = HOGENSONJD	DESIGNED -	REVISED - 3-02-16
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/10/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

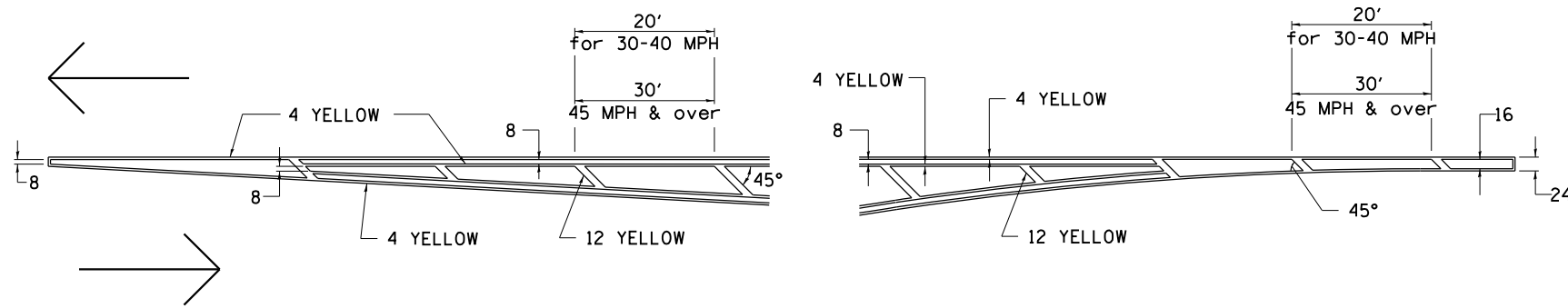
**REGION 2 / DISTRICT 2 STANDARD**

SCALE: SHEET OF SHEETS STA. TO STA.

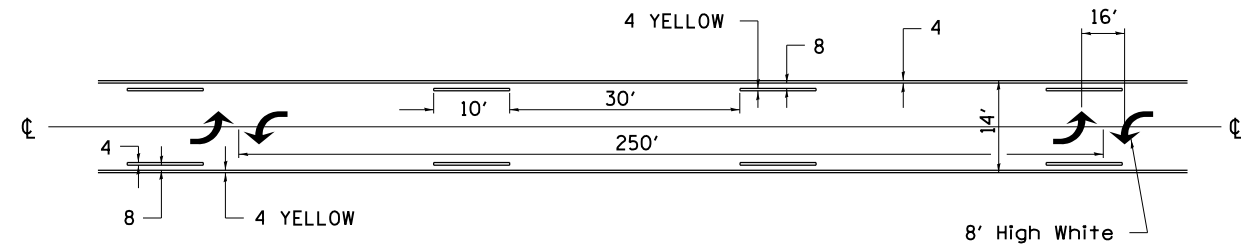
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(177-3,4)RS	STEPHENSON	20	16
			CONTRACT NO. 64N58	

# TYPICAL PAVEMENT MARKINGS

## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

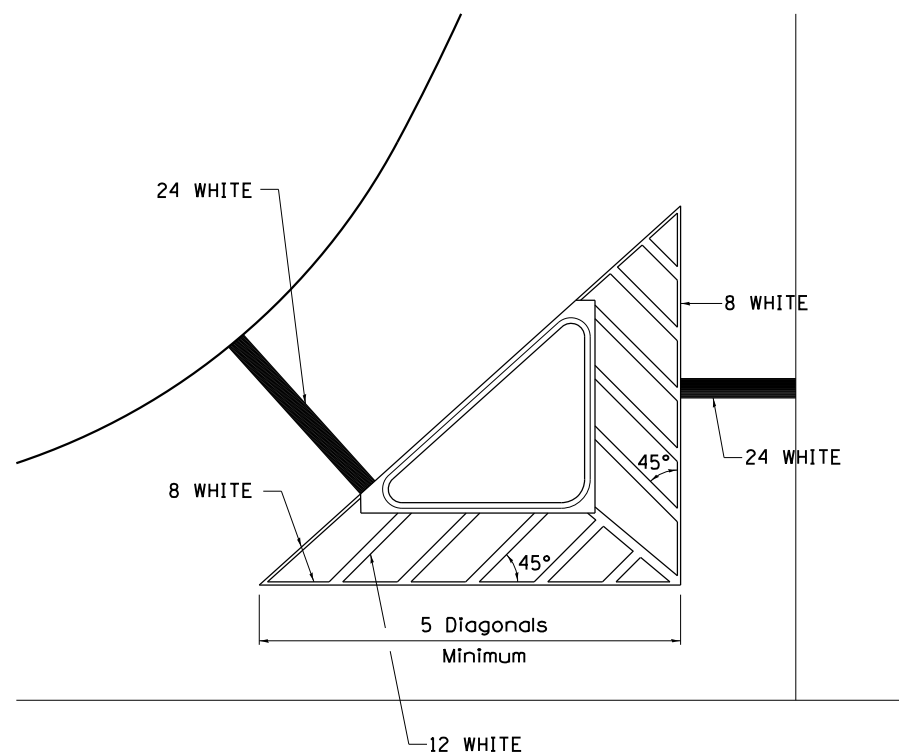


## MEDIAN PAVEMENT MARKING



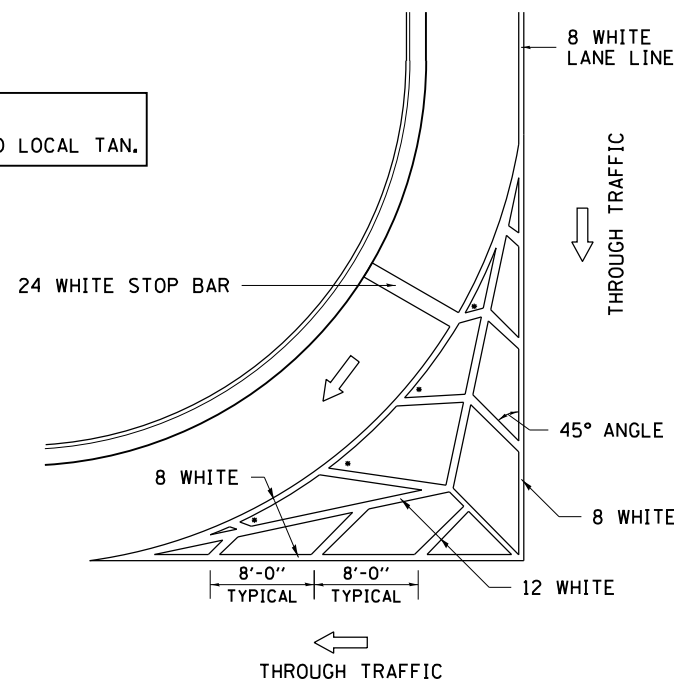
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## TYPICAL ISLAND OFFSET SHOULDER WIDTH



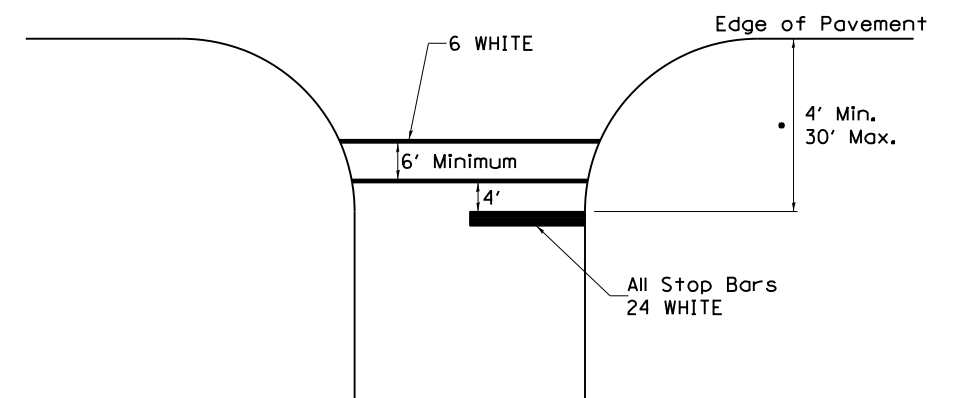
## TYPICAL MARKING FOR PAINTED ISLANDS

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.

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

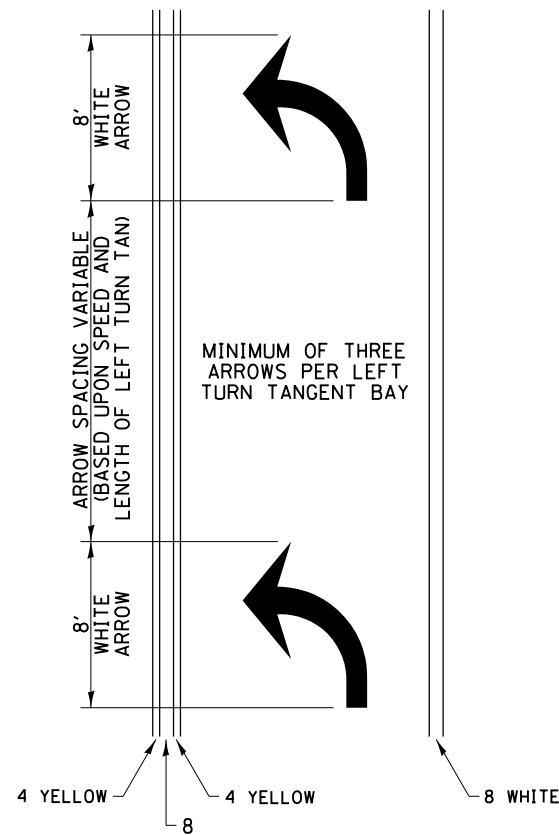
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

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301	(177-3,4)RS	STEPHENSON	20	17
CONTRACT NO. 64N58				

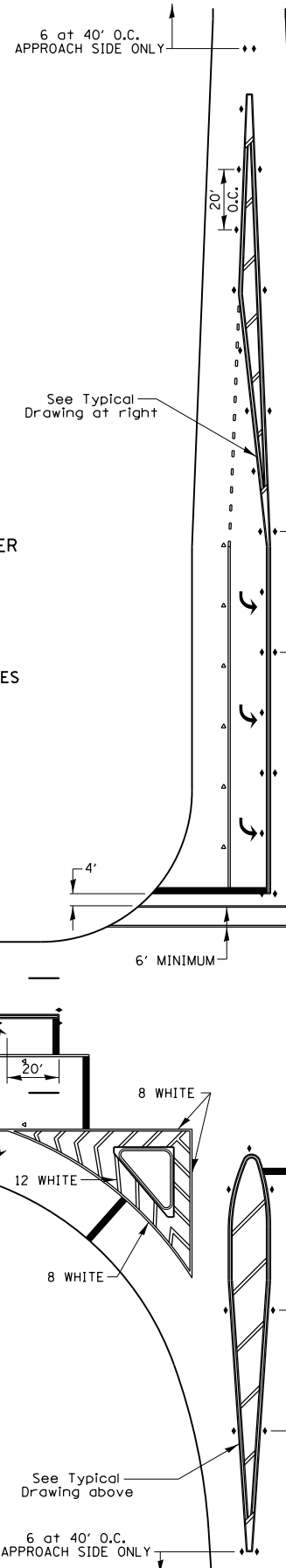
# TYPICAL PAVEMENT MARKINGS

## ARROW LAYOUT

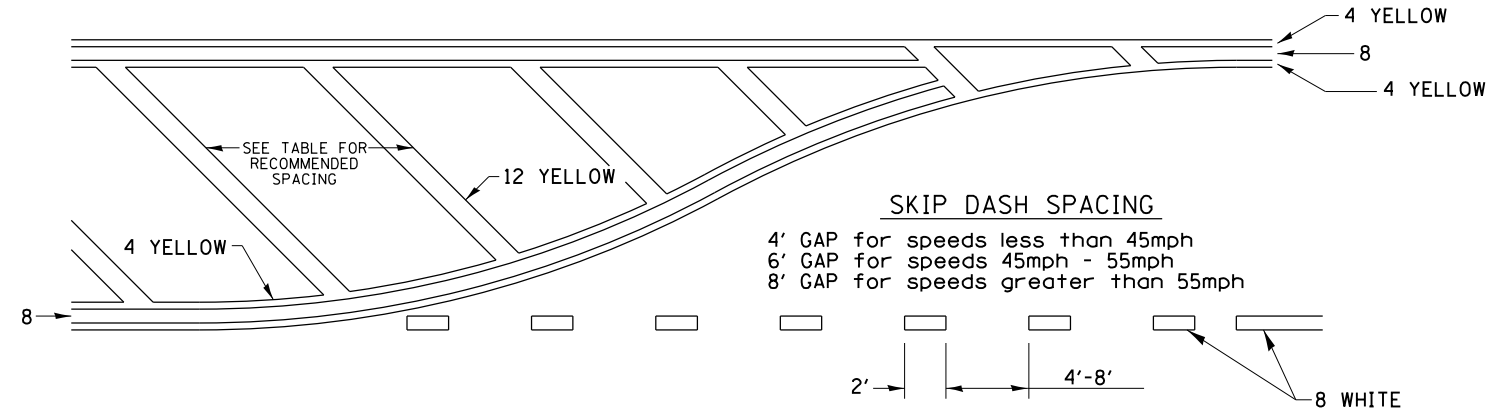


- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



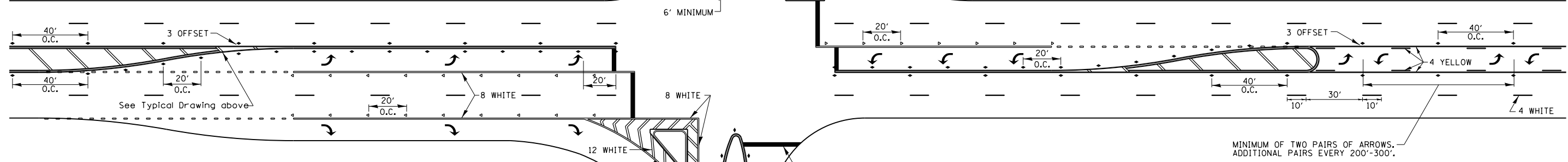
## TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



### 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: s:\pub\pavement\dot\Documents\DOT\_Offices\District 2\Projects\64N58\Program\_Development\Studies & Plans\Design\CADD\CAD\Sheet\02\_64N58-std.dwg

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PLOT DATE = 2/10/2020	DATE -	REVISED -

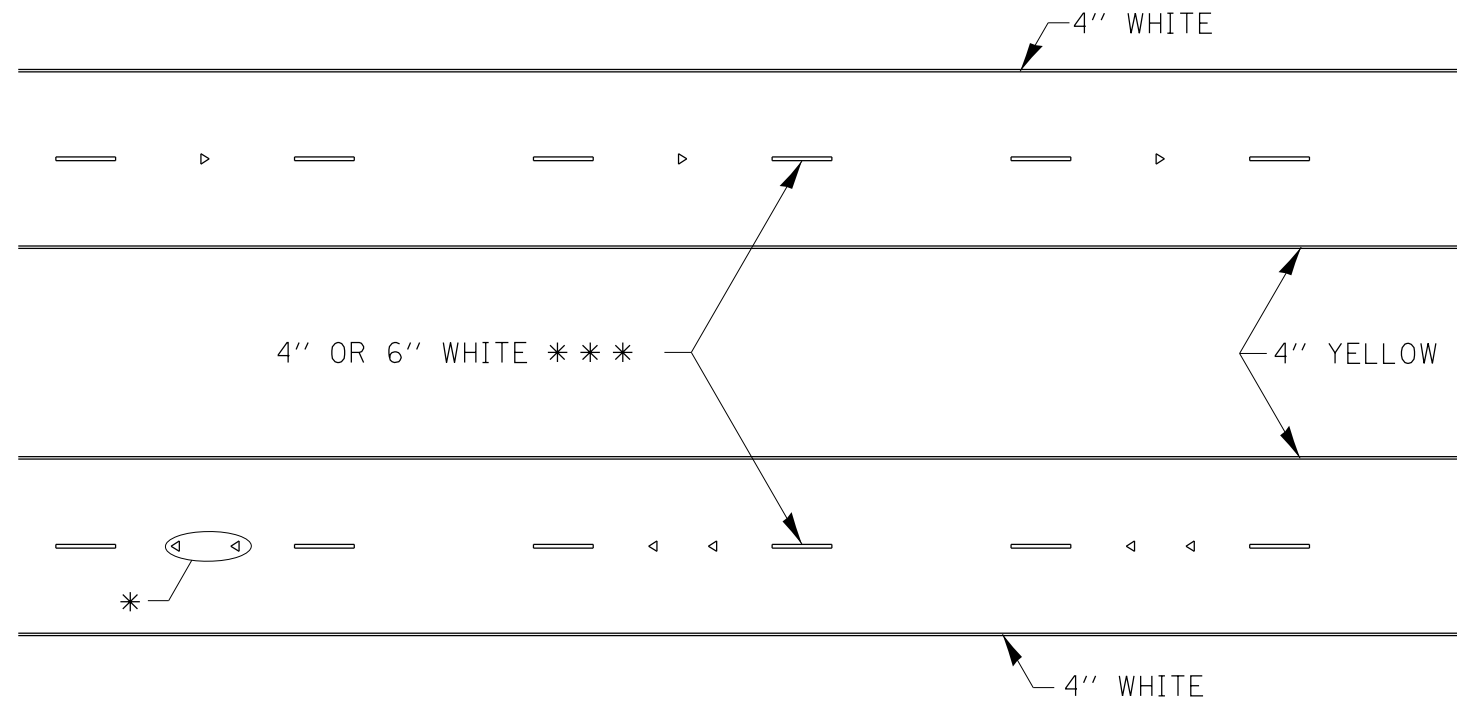
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

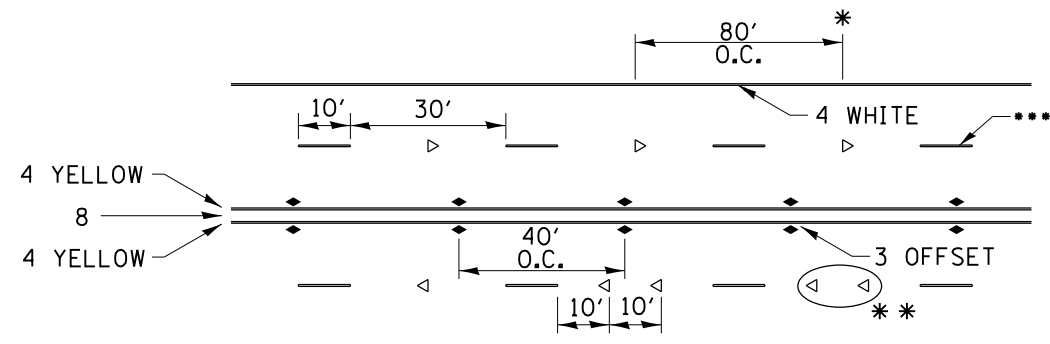
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(177-3,4)RS	STEPHENSON	20	18
CONTRACT NO. 64N58			ILLINOIS FED. AID PROJECT	

# TYPICAL PAVEMENT MARKINGS



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

## MULTI-LANE / DIVIDED



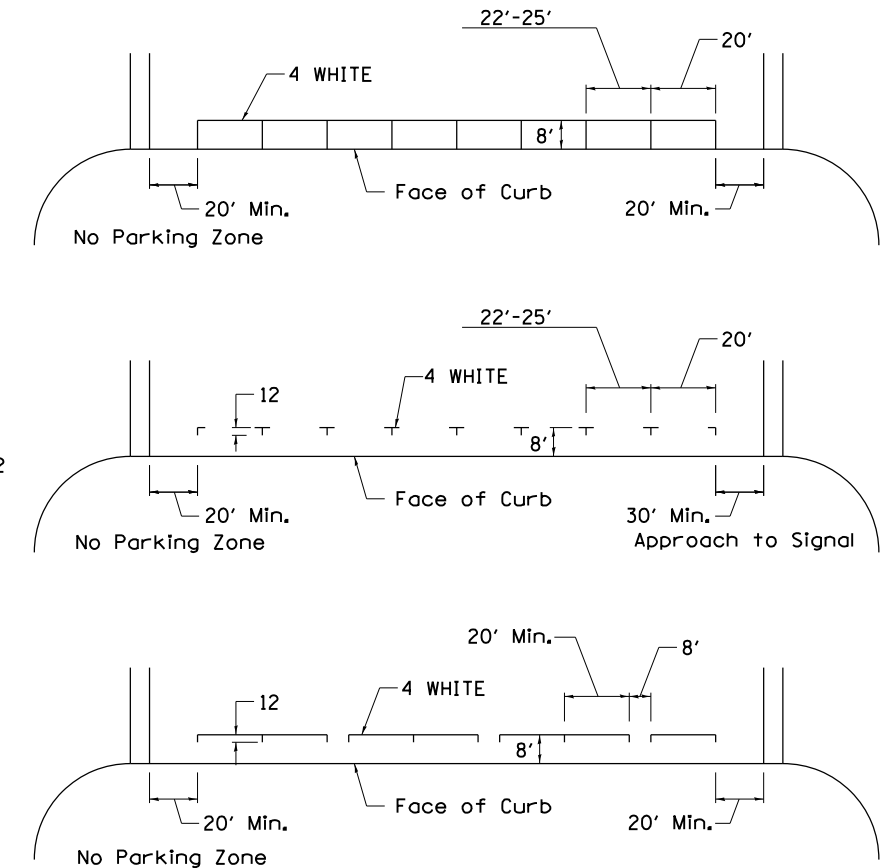
## SYMBOLS

- \* 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.

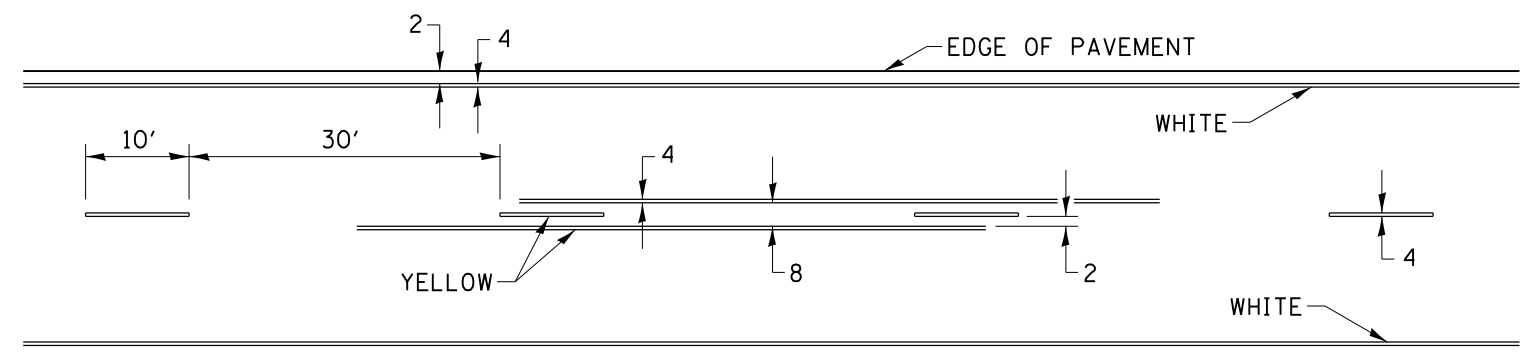
## MULTI-LANE / UNDIVIDED & ONE WAY

(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



FILE NAME: p:\pub\baronm.d\illinois.gov\PIWDOT\Documents\DOT\_Offices\District 2\Projects\64N58\Program\_Development\Studies & Plans\Design\CADD\Caddsheet\02\_64N58-std-detailed.dgn

USER NAME = HOGENSONJD	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 8-27-13
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 11-28-12
PLOT DATE = 2/10/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

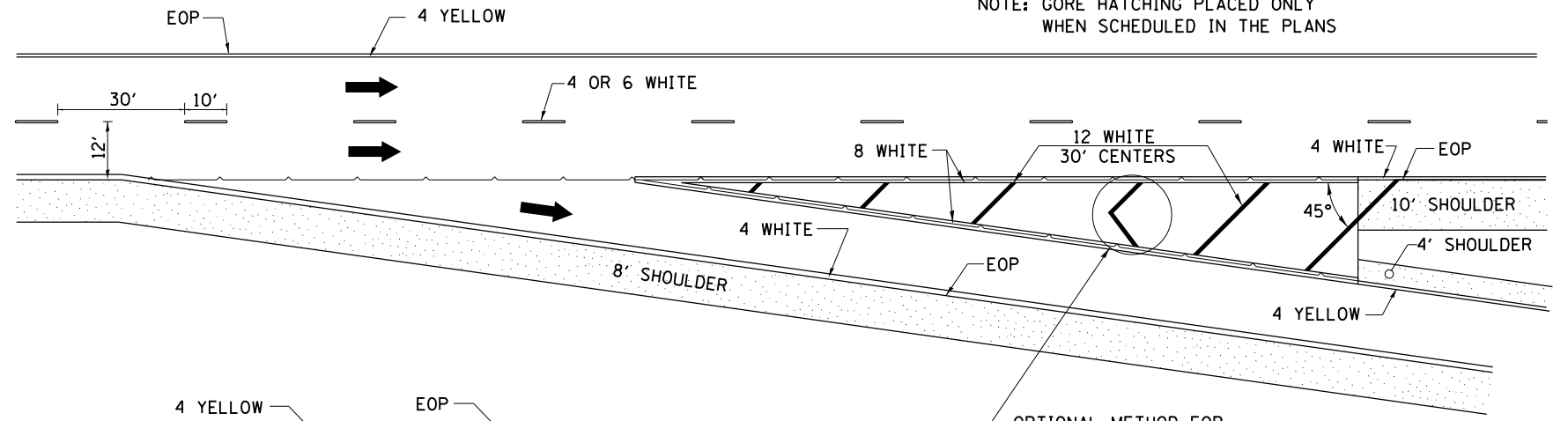
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(177-3,4)RS	STEPHENSON	20	19
CONTRACT NO. 64N58				

# PAINING DETAILS

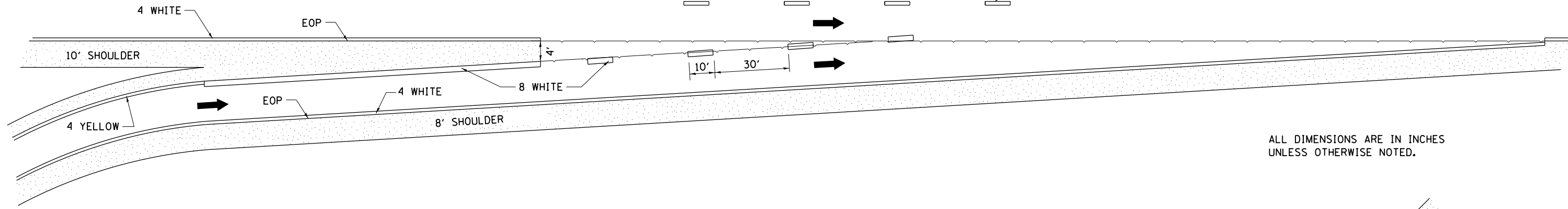
CENTERLINE SKIP DASH PAVEMENT MARKING WIDTH SHALL BE 4" WHEN THE POSTED SPEED LIMIT IS UNDER 40 MPH AND 6" WHEN THE POSTED SPEED LIMIT IS 40 MPH AND OVER.

## EXIT RAMP

NOTE: GORE HATCHING PLACED ONLY WHEN SCHEDULED IN THE PLANS

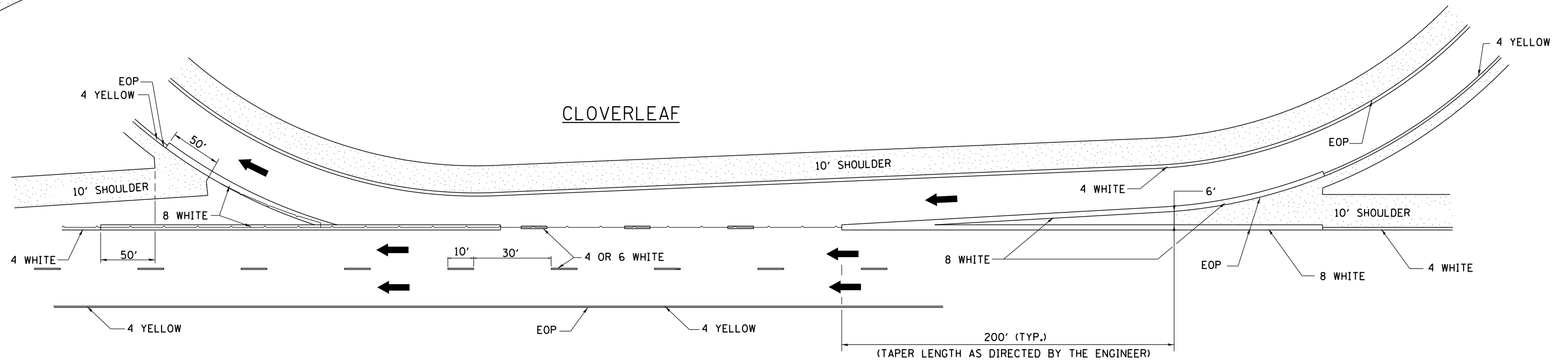


## ENTRANCE RAMP



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

## CLOVERLEAF



FILE NAME: p:\pub\baron\ad\illinois\dot\Documents\DOT\_Offices\District 2\Projects\GIS\BProgram\_Development\Studies & Plans\Design\CADD\Caddsheet\02\_64N58-Details.dgn

USER NAME = HOGENSONJD	DESIGNED -	REVISED - 8-27-13
	DRAWN -	REVISED - 10-18-11
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/10/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
301	(177-3,4)RS	STEPHENSON	20	20
CONTRACT NO. 64N58				