

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	101RS-2	OGLE	26	01
		ILLINOIS	CONTRACT NO. 64G99	

D-92-064-11

FOR INDEX OF SHEETS, SEE SHEET NO. 02

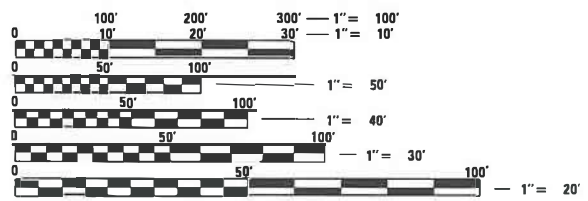
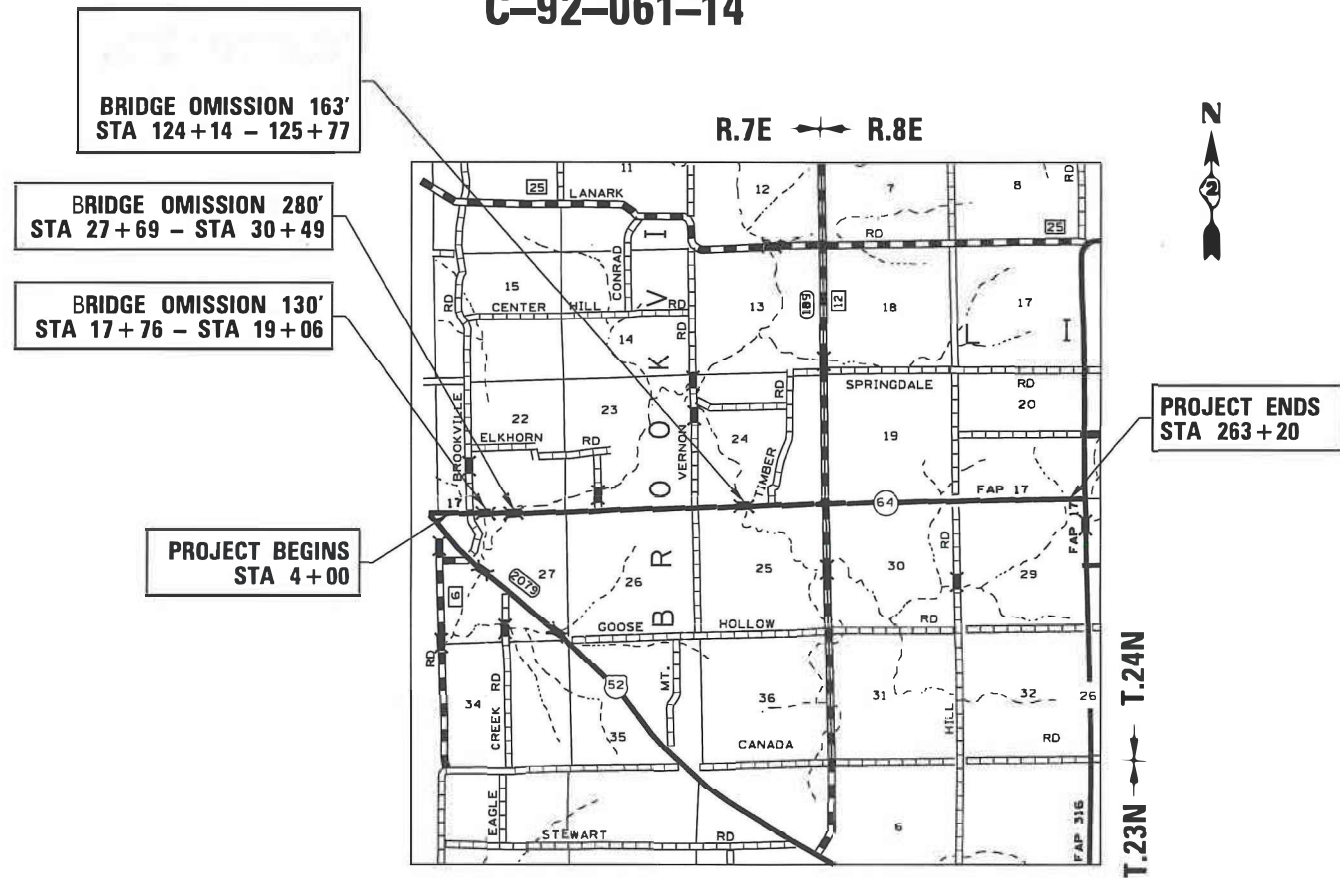
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 17 (IL 64)
SECTION 101RS-2
PROJECT STP - F2LW (223)
COLD IN PLACE RECYCLING AND
HMA RESURFACING
OGLE COUNTY
C-92-061-14



BROOKVILLE TOWNSHIP,
SECTIONS: 22,23,24,25,26,27

LINCOLN TOWNSHIP,
SECTIONS: 19,20,29,30



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: STEVE ROBERY
PROJECT MANAGER: ANDREW LEE (815-284-5343)

CONTRACT NO. 64G99

GROSS LENGTH = 25,920 FT = 4.91 MILE
OMISSION LENGTH = 573 FT = 0.11 MILE
NET LENGTH = 25,347 FT = 4.80 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 19 20 21

[Signature]
REGIONAL ENGINEER

March 19, 2021

[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2021

[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 13

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

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STATE STANDARDS

000001 - 08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
482011 - 03	HMA SHLD, STRIPS/SHLDS, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
701006 - 05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701011 - 04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201 - 05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEED >= 45 MPH
701301 - 04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306 - 04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45MPH
701311 - 03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701901 - 08	TRAFFIC CONTROL DEVICES
720001 - 01	SIGN PANEL MOUNTING DETAILS
720011 - 01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
728001 - 01	TELESCOPING STEEL SIGN SUPPORT
729001 - 01	APPLICATIONS OF TYPES A&B METAL POSTS
780001 - 05	TYPICAL PAVEMENT MARKINGS
781001 - 04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

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USER NAME = leeac PLOT SCALE = 100,0000 ' / in. PLOT DATE = Jan-20-2021 02:44:08 PM	DESIGNED - _____ DRAWN - _____ CHECKED - _____ DATE - _____	REVISED - _____ REVISED - _____ REVISED - _____ REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX & STATE STANDARDS SCALE: _____ SHEET ____ OF ____ SHEETS STA. _____ TO STA. _____	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="font-size: small;">F.A.P. RTE.</th> <th style="font-size: small;">SECTION</th> <th style="font-size: small;">COUNTY</th> <th style="font-size: small;">TOTAL SHEETS</th> <th style="font-size: small;">SHEET NO.</th> </tr> <tr> <td style="text-align: center;">17</td> <td style="text-align: center;">10IRS-2</td> <td style="text-align: center;">OGLE</td> <td style="text-align: center;">26</td> <td style="text-align: center;">02</td> </tr> <tr> <td colspan="5" style="text-align: center; font-weight: bold;">CONTRACT NO. 64C99</td> </tr> <tr> <td colspan="5" style="text-align: center; font-size: x-small;">ILLINOIS FED. AID PROJECT</td> </tr> </table>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	17	10IRS-2	OGLE	26	02	CONTRACT NO. 64C99					ILLINOIS FED. AID PROJECT				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																					
17	10IRS-2	OGLE	26	02																					
CONTRACT NO. 64C99																									
ILLINOIS FED. AID PROJECT																									

GENERAL NOTES

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The drop off that occurs at entrance edges as a result of resurfacing of the entrance shall be corrected using aggregate shoulder material. This work shall be paid for by the TON for Aggregate Shoulders of the type specified in the plans.

The following Mixture Requirements are applicable for this project:

Location(s):	IL Route 64
Mixture Use(s):	Surface Course & Shoulder
PG:	PG 58-28
Design Air Voids:	4.0 @ N50
Mixture Composition (Mixture Gradation):	IL 9.5
Friction Aggregate:	C
Mixture Weight:	112 lbs/sy/in
Quality Management Program:	QCP
Sublot Size:	1,000
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.

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.

To help avoid excess drop offs at the edge of pavement, aggregate shoulder material of the type specified in the plans shall be placed prior to any bituminous material. The aggregate material shall be placed flush with the existing pavement or at the elevation of any proposed milling. At no time shall the aggregate shoulder material be higher than the existing edge of pavement. This work shall be paid for by the ton for AGGREGATE SHOULDERS of type specified.

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

- 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.

PERMANENT SURVEY MARKERS, TYPE II, shall be set as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 2 Each.

Permanent Survey Markers, Type II placed in urban areas should be placed in sidewalk areas. The marker shall be placed as shown on District Standard 66.2. The sidewalk shall be placed around the marker and flush with the top.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2, or another option would be to install a vaulted style, monumented as described by NGS as a 3D monument (Top Security Sleeve Rod Monument), with installation instructions provided by the District Chief of Surveys. If poured in place, the bottom of the marker shall be 5'-0" below the ground surface.

The Permanent Survey Markers, if possible, shall be installed at the beginning of the job and protected throughout.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal coordinates must be derived by GPS and the elevation derived using an electronic level. The meta data, such as the Geoid used, (NGS adjustment ie: 97 HARN, 03, 07), and the base point(s) name or number shall be submitted along with a complete collection log. If collected using RTK method, it will require either 3 collections (averaged) from 2 different bases, or a minimum of 3 collections (averaged), at least 2 hours apart, from the same base. If using a CORS type network, the collection procedure shall include localizing with check shots on at least 2 different HARN monuments both before and after collection. The level circuit shall be run from furnished mark to furnished mark and then adjusted. The error of closure shall be submitted with the electronic level notes in a recognized format approved by the Engineer and/or the Chief of Surveys. The Engineer shall submit this information to the District Chief of Surveys.

The Contractor shall be responsible for locating and protecting utility property during construction operations as outlined in Article 107.39 of the Standard Specifications. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

ComEd	800-892-0123
Frontier Legacy	815-772-2078
iFiber	815-753-6075

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.

The Contractor shall be aware that Area Reflective Crack Control Treatment (ARCCT) exists within the HMA pavement at an estimated 2-1/4" depth. The 2-3/4" milling should remove all of the ARCCT, but the CIR contractor should be prepared to make necessary adjustments to their process if the milling does not remove all of the ARCCT.

The CIR mix design should take into account that the material in need of testing will be from a 2 3/4" to 6-3/4" depth, with the top 2-3/4" of material being omitted from the testing.

The Hot-Mix Asphalt surface course operation must be paved against direction of traffic.

Short term pavement marking on the Cold In Place Recycled layer can be paint, however, any short term pavement marking on the final HMA surface course shall be tape.

The Contractor shall contact District 2 Operations Staff after pavement striping has been laid out on top of HMA Surface Course, but not yet painted. The Operations Staff will review and approve pavement marking layout, including limits of passing zone striping. Contractor shall not place final centerline pavement markings above HMA Surface Course without approval from Resident Engineer and concurrence of District Operations personnel.

HMA millings shall NOT be used for aggregate wedge.

FILE NAME = 64G99.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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CODE NO.	ITEM	UNIT	TOTAL QUANTITY
			80% FED / 20% STATE
			CONSTRUCTION CODE 0005
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	21,001
40600990	TEMPORARY RAMP	SQ YD	3,841
40604050	HOT-MIX ASPHALT SURFACE COURSE, 1L-9.5, MIX "C", N50	TON	9,736
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	345
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3,231
44000160	HOT-MIX ASPHALT SURFACE REMOVAL, 2 3/4"	SQ YD	73,225
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	4,330
* 63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	775
* 66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4
67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7,700

* 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.
17	101RS-2	OGLE	26	04
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C99	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY
			80% FED / 20% STATE CONSTRUCTION CODE 0005
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	909
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	79,588
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	286
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	240
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	80
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,452
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	20
X4200001	CIR-FDR EMULSIFIED ASPHALT	GALLON	128,143
X4200002	COLD IN-PLACE RECYCLING, 4.0"	SQ YD	73,225
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	1,408
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	79,588
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	286
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	240
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	80

* 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.
17	101R5-2	OGLE	26	05
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64C99	

263+20 - 265+20	211	LT	(BEYOND PAVING LIMIT)	211	WB EDGE LINE	WHITE
US 52 - 4+00	622	LT	(BEYOND PAVING LIMIT)	777.5	NPZ WB/SKIP DASH EB	YELLOW
4+00 - 13+46	946	C/L		1182.5	NPZ WB/SKIP DASH EB	YELLOW
13+46 - 17+76	430	C/L		107.5	SKIP DASH	YELLOW
19+06 - 27+69	863	C/L		215.75	SKIP DASH	YELLOW
30+49 - 48+31	1782	C/L		445.5	SKIP DASH	YELLOW
48+31 - 58+34	1003	C/L		1253.8	SKIP DASH WB/NPZ EB	YELLOW
58+34 - 93+72	3538	C/L		7076	DOUBLE	YELLOW
93+72 - 106+92	1320	C/L		1650	NPZ WB/SKIP DASH EB	YELLOW
106+92 - 121+70	1478	C/L		369.5	SKIP DASH	YELLOW
121+70 - 124+14	244	C/L		305	SKIP DASH WB/NPZ EB	YELLOW
125+77 - 133+32	755	C/L		943.75	SKIP DASH WB/NPZ EB	YELLOW
133+32 - 145+99	1267	C/L		2534	DOUBLE	YELLOW
145+99 - 161+83	1584	C/L		1980	NPZ WB/SKIP DASH EB	YELLOW
161+83 - 191+40	2957	C/L		739.25	SKIP DASH	YELLOW
191+40 - 198+79	739	C/L		923.75	SKIP DASH WB/NPZ EB	YELLOW
198+79 - 214+63	1584	C/L		3168	DOUBLE	YELLOW
214+63 - 223+08	845	C/L		1056.3	NPZ WB/SKIP DASH EB	YELLOW
223+08 - 234+17	1109	C/L		277.25	SKIP DASH	YELLOW
234+17 - 243+17	900	C/L		1125	SKIP DASH WB/NPZ EB	YELLOW
243+17 - 250+00	683	C/L		853.75	NPZ WB/SKIP DASH EB	YELLOW
250+00 - 263+01	1301	C/L		325.25	SKIP DASH	YELLOW
263+01 - 265+01	200	C/L	(BEYOND PAVING LIMIT)	400	DOUBLE	YELLOW
FREEMONT INTERSECTION				224	RETURN LINES	WHITE

TOTAL : 79588

78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

FROM	TO	LENGTH	OFFSET	FOOT	REMARKS
264+90	265+20	109	LT (BEYOND PAVING LIMIT)	109	IL26 NW ISLAND WHITE
264+72	265+20	177	RT (BEYOND PAVING LIMIT)	177	IL26 SW ISLAND WHITE

TOTAL : 286

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

FROM	TO	LENGTH	OFFSET	FOOT	REMARKS
264+90	265+20	135	LT (BEYOND PAVING LIMIT)	135	IL26 NW ISLAND WHITE
264+72	265+20	105	RT (BEYOND PAVING LIMIT)	105	IL26 SW ISLAND WHITE

TOTAL : 240

78009004 MODIFIED URETHANE PAVEMENT MARKING - LINE 4"

FROM	TO	LENGTH	OFFSET	FOOT	REMARKS
17+76	19+06	130	LT/RT	260	BRIDGE EDGE LINES X 2 WHITE
27+69	30+49	280	LT/RT	560	BRIDGE EDGE LINES X 2 WHITE
124+14	125+77	163	LT/RT	326	BRIDGE EDGE LINES X 2 WHITE
17+76	19+06	130	CL	33	SKIP DASH YELLOW
27+69	30+49	280	CL	70	SKIP DASH YELLOW
124+14	125+77	163	CL	204	SKIP DASH WB/NPZ EB YELLOW

TOTAL : 1452

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

LOCATION	OFFSET	FOOT	REMARKS
158+99	RT	16	STOP BAR 20' FROM EOP WHITE
158+87	LT	15	STOP BAR 26' FROM EOP WHITE
264+91	RT (BEYOND PAVING LIMIT)	18	STOP BAR 38' FROM CL WHITE
265+01	RT (BEYOND PAVING LIMIT)	13	STOP BAR 0' FROM CL WHITE
IL 64 & US 52 INT.	LT (BEYOND PAVING LIMIT)	18	STOP BAR 0' FROM CL WHITE

TOTAL : 80

78200005 GUARDRAIL REFLECTORS, TYPE A

FROM	TO	EACH	REMARKS
205+50	207+25	4	
205+50	207+25	4	
153+00	155+00	4	
140+00	141+25	4	
87+50	88+50	4	

TOTAL : 20

Z0055100 RUMBLE RESURFACING

FROM	TO	OFFSET	SQ YD	REMARKS
258+00	258+25	RT	34	1' LESS THAN LANE WIDTH
260+00	260+25	RT	34	1' LESS THAN LANE WIDTH
262+00	262+25	RT	34	1' LESS THAN LANE WIDTH

TOTAL : 102

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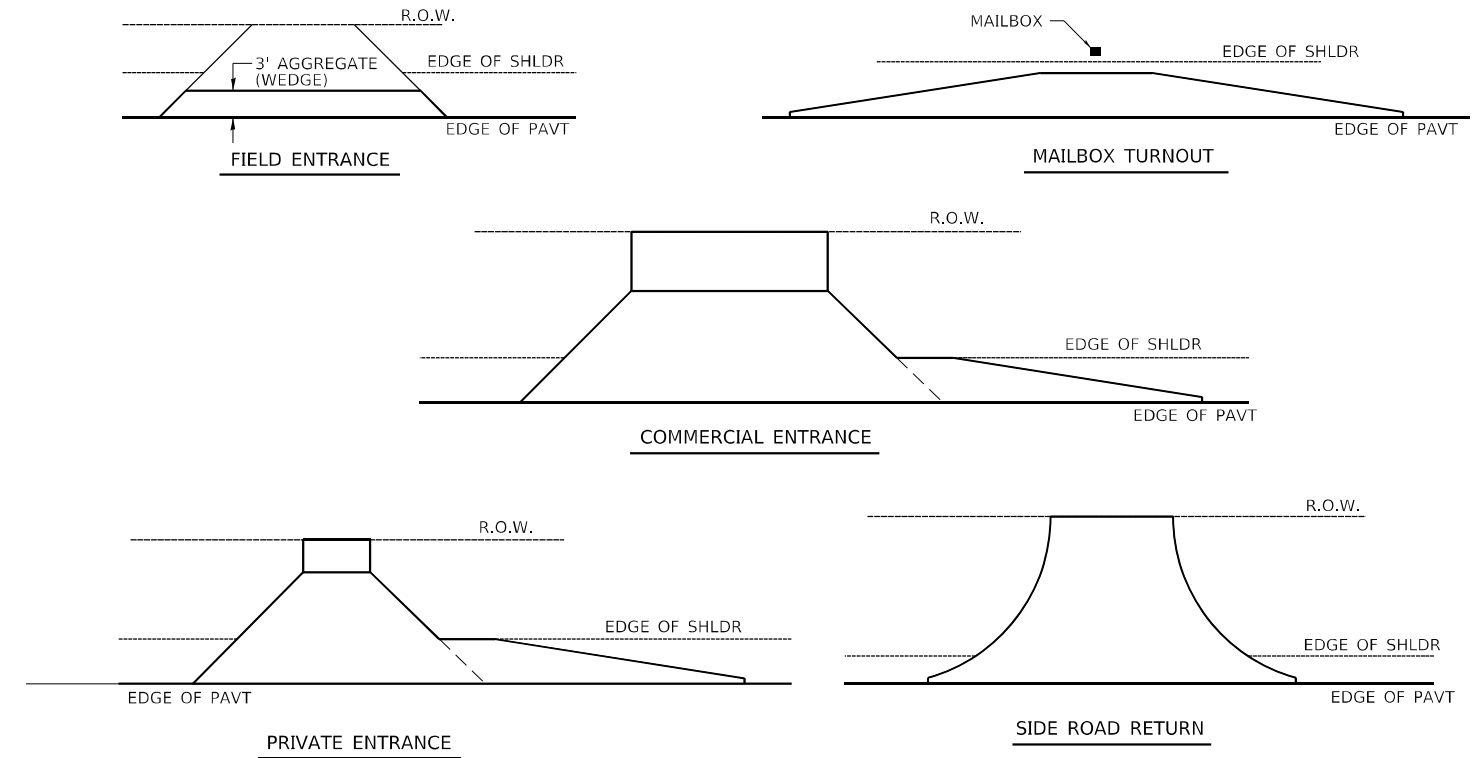
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

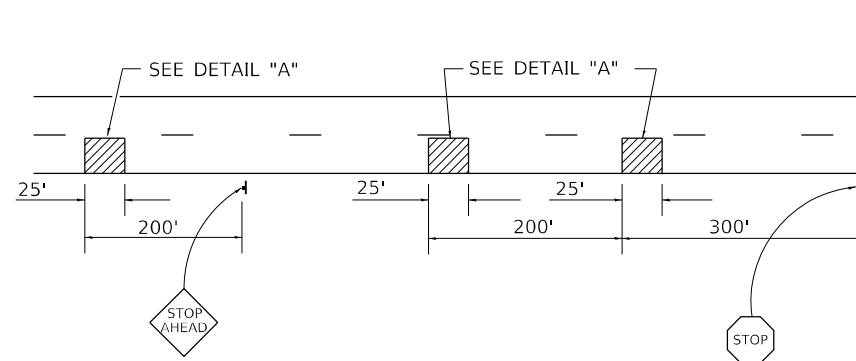
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	10IRS-2	OGLE	26	10
CONTRACT NO. 64C99			ILLINOIS FED. AID PROJECT	

HMA APPROACHES & MAILBOX RETURNS FOR TWO LIFT (3P) RESURFACING PROJECTS



RUMBLE RESURFACING

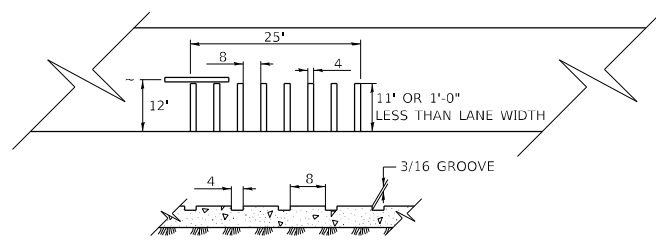


GROOVED

NOTES

THE GROOVES SHALL BE CONSTRUCTED WITH A MILLING MACHINE CAPABLE OF COLD MILLING THE EXISTING SURFACE IN THE PATTERN SHOWN. RUMBLE RESURFACING SHALL BE MEASURED FOR PAYMENT IN PLACE AND THE AREA COMPUTED IN SQUARE YARDS. THE LENGTH SHALL BE THE DISTANCE FROM OUTSIDE EDGE TO OUTSIDE EDGE OF THE GROOVE WHICH WILL BE APPROXIMATELY 25'. THE WIDTH SHALL BE 1' LESS THAN LANE WIDTH. RUMBLE STRIPS SHALL BE CONSTRUCTED AS SHOWN AND PAID FOR PER SQUARE YARD AS RUMBLE RESURFACING.

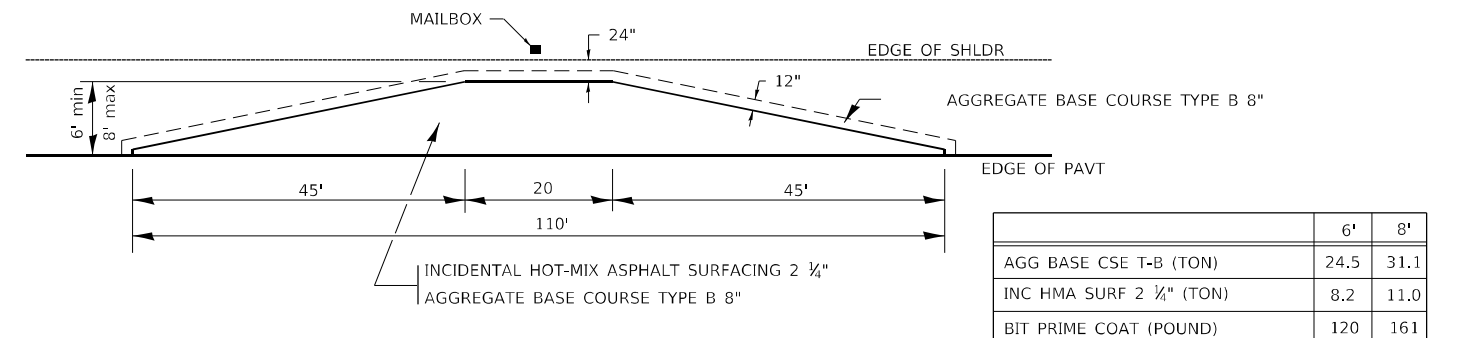
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DETAIL "A"

HMA APPROACHES & MAILBOX RETURNS FOR TWO LIFT (3P) RESURFACING PROJECTS

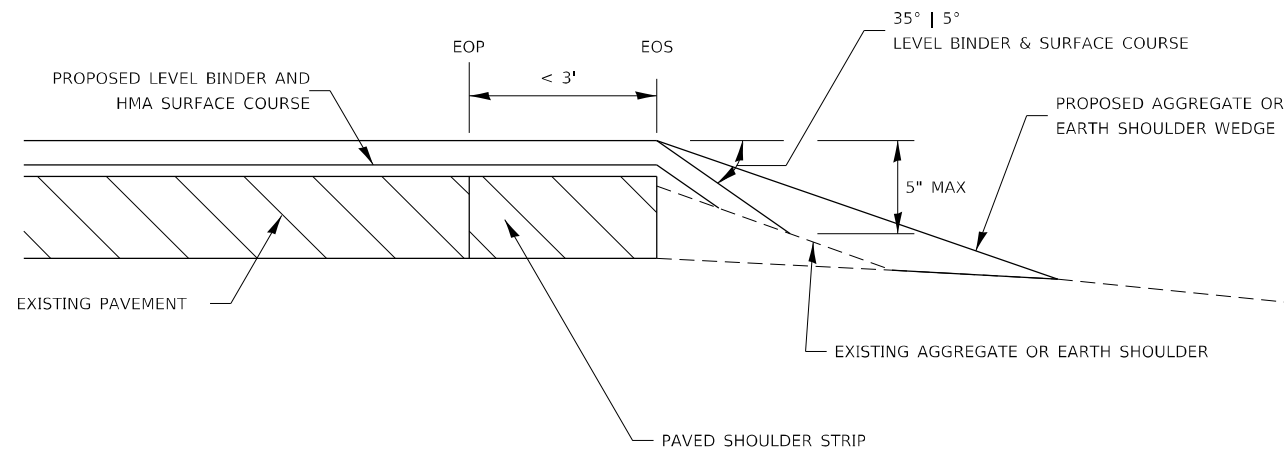
NOTE: EXISTING HMA PE's, CE's, SR's, & MB TURNOUTS
Place 2 1/4" Incidental Hot-Mix Asphalt Surfacing on entrance to conform to the existing configuration.
EXISTING AGG. PE's & CE's
Place 2 1/4" Incidental Hot-Mix Asphalt Surfacing on existing entrance to conform to the present configuration.
EXISTING AGG. SIDEROADS
Place 3" Incidental Hot-Mix Asphalt Surfacing on sideroad to conform to the present configuration.
EXISTING AGG. MAILBOX TURNOUTS
Existing Agg. Mailbox Turnouts shall be constructed as shown below.



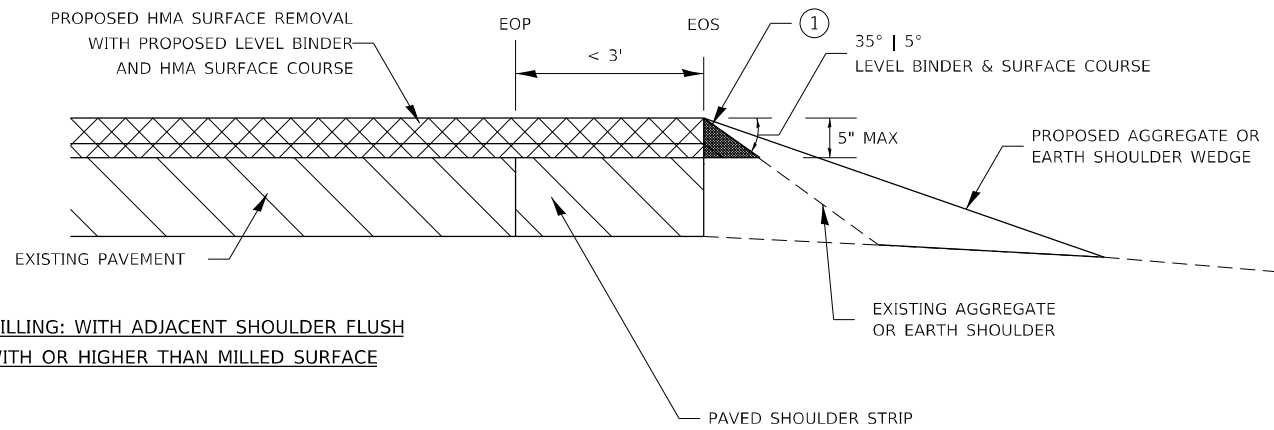
	6'	8'
AGG BASE CSE T-B (TON)	24.5	31.1
INC HMA SURF 2 1/4" (TON)	8.2	11.0
BIT PRIME COAT (POUND)	120	161

REVISD -	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISD -	SCALE: 2,000' / 1" SHEET NO. OF SHEETS STA. TO STA.			17	10IRS-2	OGLE	26	14
REVISD -				CONTRACT NO. 64C99				
REVISD -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SAFETY EDGE (3P PROJECTS)



NO MILLING: ADJACENT SHOULDER FLUSH WITH OR LOWER THAN EXISTING PAVEMENT



MILLING: WITH ADJACENT SHOULDER FLUSH WITH OR HIGHER THAN MILLED SURFACE

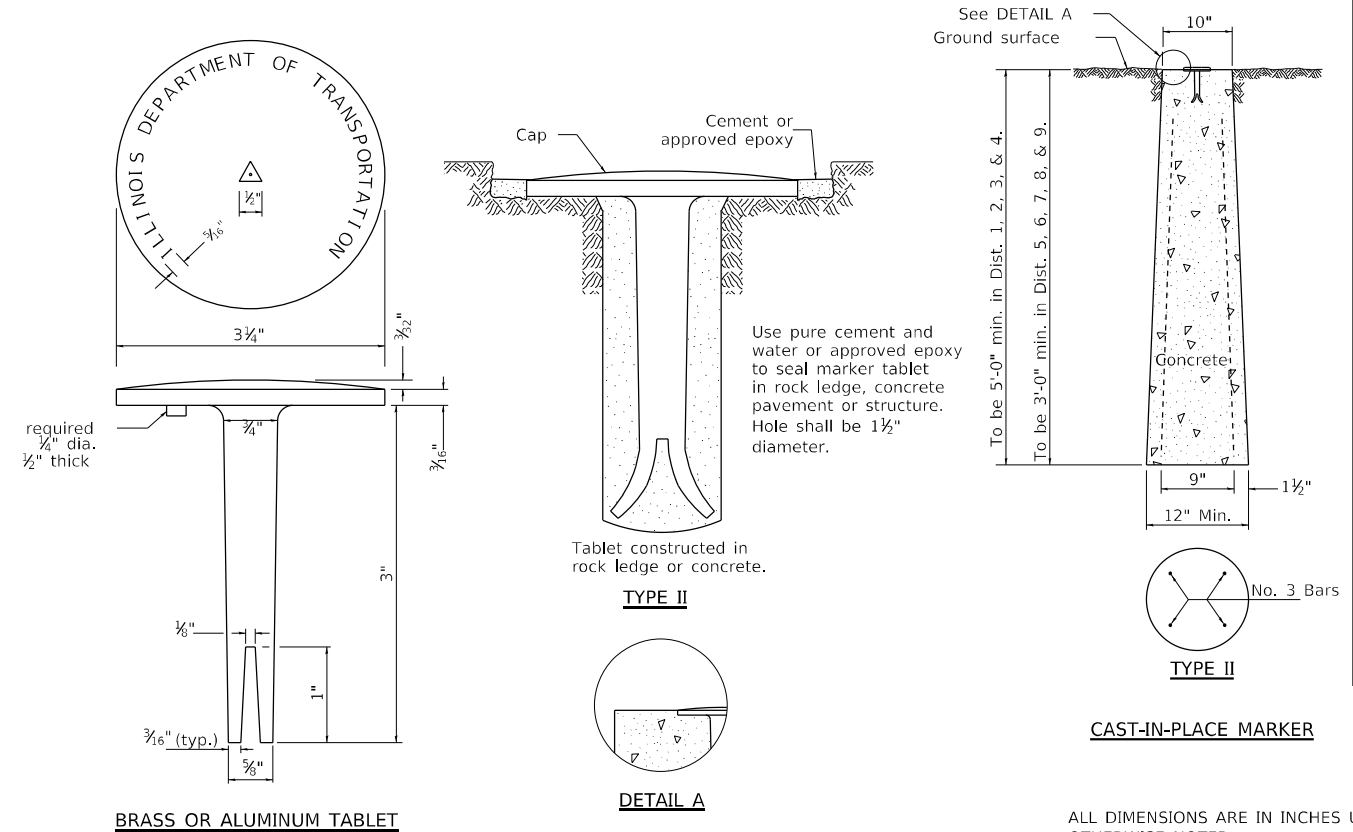
NOTES :

THE DEVICE WHICH FORMS THE SAFETY EDGE SHALL BE MOUNTED ON THE PAVER SCREED AGAINST THE END GATE AND SHALL BE REMOVABLE OR BE ABLE TO BE LIFTED WHEN NOT IN USE. THE DEVICE SHALL BE DESIGNED TO MAINTAIN CONTACT WITH SURFACE OF THE SHOULDER AND ALLOW AUTOMATIC TRANSITION TO CROSS ROADS, DRIVEWAYS AND OBSTRUCTIONS. THE DEVICE SHALL ALSO CONSTRAIN THE HMA MATERIAL AND INCREASE THE CONSOLIDATION OF THE EXTRUDED PROFILE. THE USE OF A CONVENTIONAL SINGLE PLATE STRIKE-OFF WILL NOT BE ALLOWED.

ROLLERS WILL NOT BE ALLOWED ON THE SLOPED FACE OF THE SAFETY EDGE.

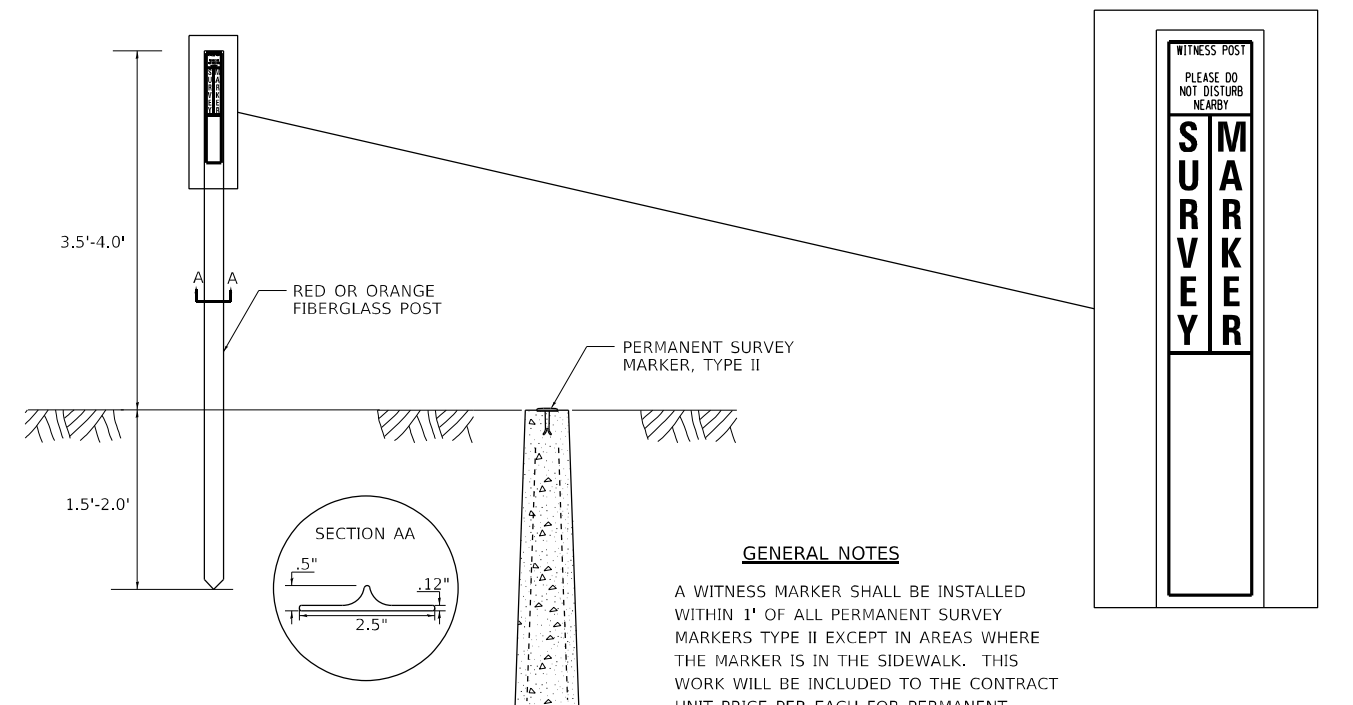
① PRIOR TO THE PLACEMENT OF THE HMA SAFETY EDGE, IF THE ADJACENT AGGREGATE OR EARTH SHOULDER IS HIGHER THAN THE MILLED SURFACE, THE AREA REQUIRED FOR PLACEMENT OF THE SAFETY EDGE SHALL BE BROUGHT FLUSH WITH THE MILLED SURFACE IN A MANNER APPROVED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE OF THE TYPE SPECIFIED.

PERMANENT SURVEY MARKERS, TYPE II



BRASS OR ALUMINUM TABLET

WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II



GENERAL NOTES

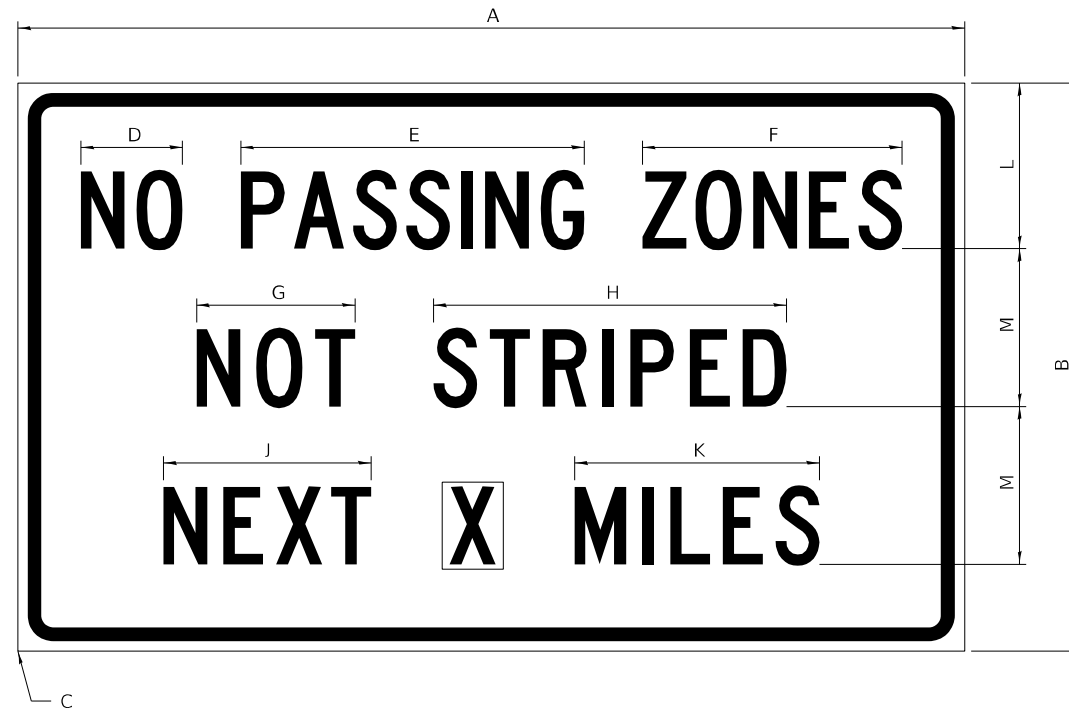
A WITNESS MARKER SHALL BE INSTALLED WITHIN 1' OF ALL PERMANENT SURVEY MARKERS TYPE II EXCEPT IN AREAS WHERE THE MARKER IS IN THE SIDEWALK. THIS WORK WILL BE INCLUDED TO THE CONTRACT UNIT PRICE PER EACH FOR PERMANENT SURVEY MARKERS, TYPE II.

PLOT DATE = Jan-20-2021 09:26:19 PM

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		17	10IRS-2	OGLE	26	15
REVISED -		CONTRACT NO. 64C99				
REVISED -		SCALE: 2:0000' / 1" SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



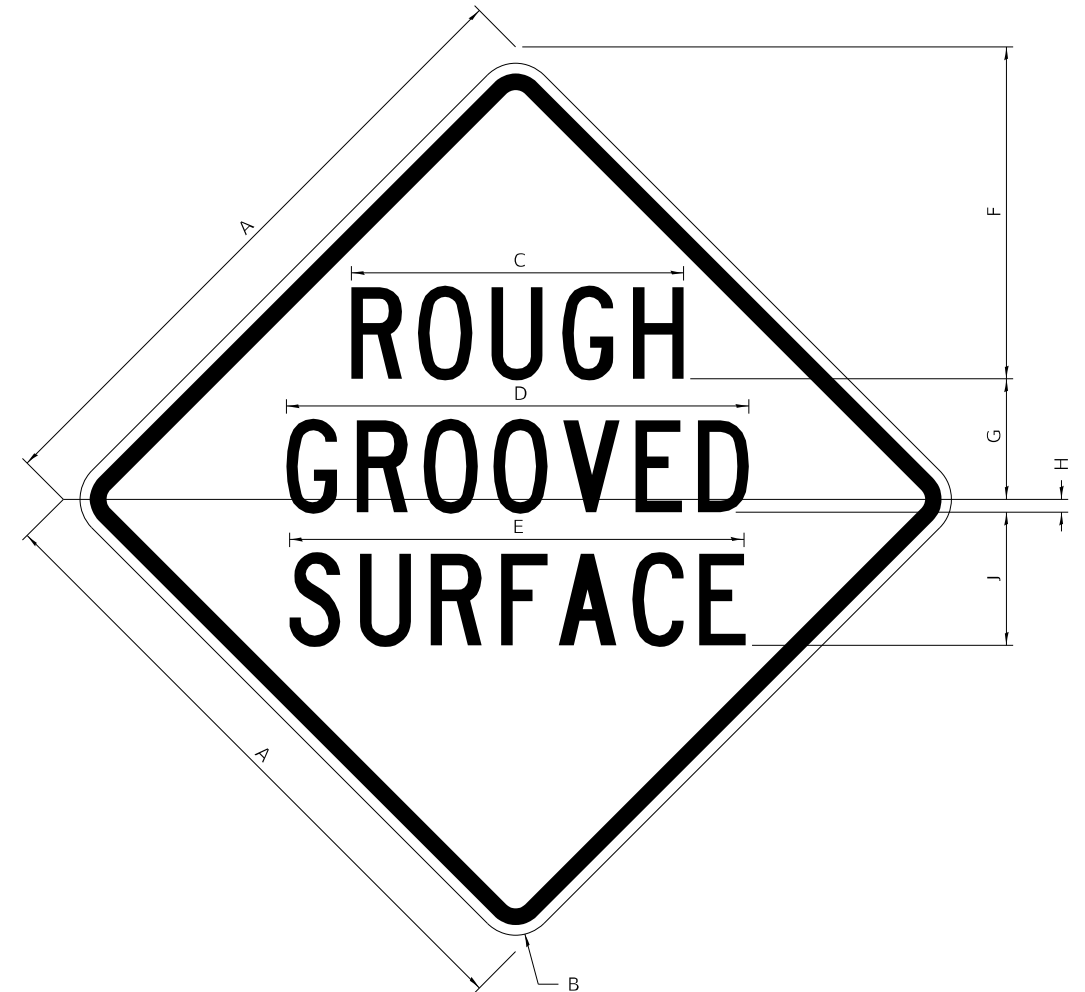
COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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 = leec	DESIGNED -	REVISED - 3-02-16
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\0206411\Drawings\CADsheets\0206411-sht-Plan Sheet		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

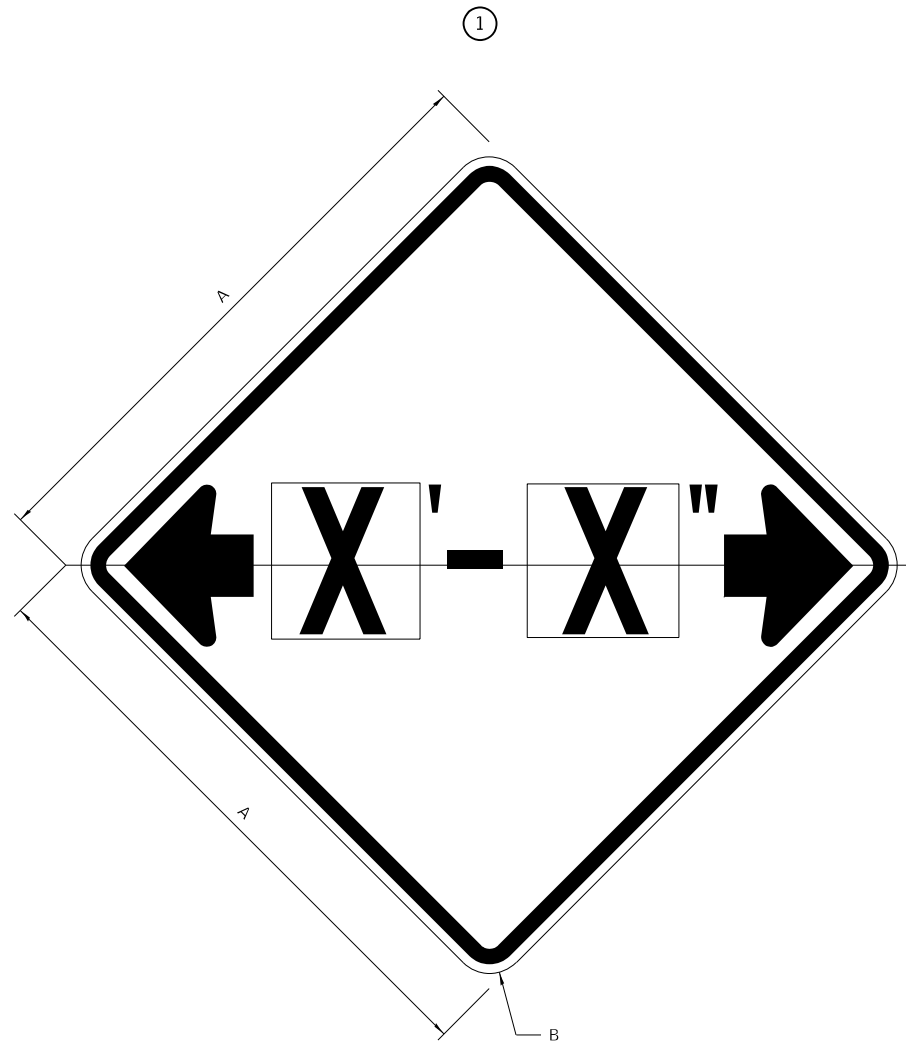
REGION 2 / DISTRICT 2 STANDARD

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

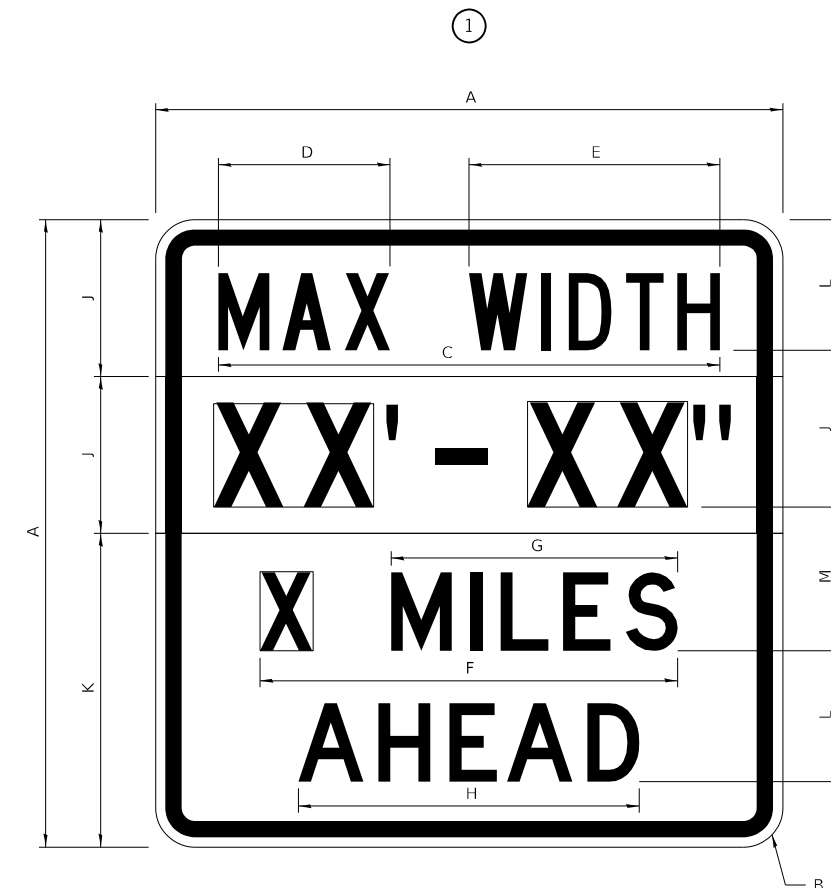
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	10IRS-2	OGLE	26	16
CONTRACT NO. 64G99				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-1102



ILLINOIS STANDARD W12-1103



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 W12-1102 and W12-1103 shall be used as described in the special provisions.

SIGN SIZE	SERIES BY LINE	MARGIN	BORDER
	1		
48 x 48	12C	0.750	1.250

Sign not to scale

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

SIGN SIZE	DIMENSIONS											
	A	B	C	D	E	F	G	H	J	K	L	M
48 x 48	48.00	3.00	38.40	13.20	19.20	32.00	22.00	26.20	12.00	24.00	10.00	11.00

SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

XX'-XX" WIDTH AND X MILES ARE VARIABLE TOP AND BOTTOM OF BACKGROUND WHITE

FILE NAME =	USER NAME = lseec	DESIGNED -	REVISED - 3-02-16
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\0206411\Drawings\CADsheets\0206411-sht-Plan Sheet		DRAWN -	REVISED -
	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Jan-20-2021 05:26:47 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

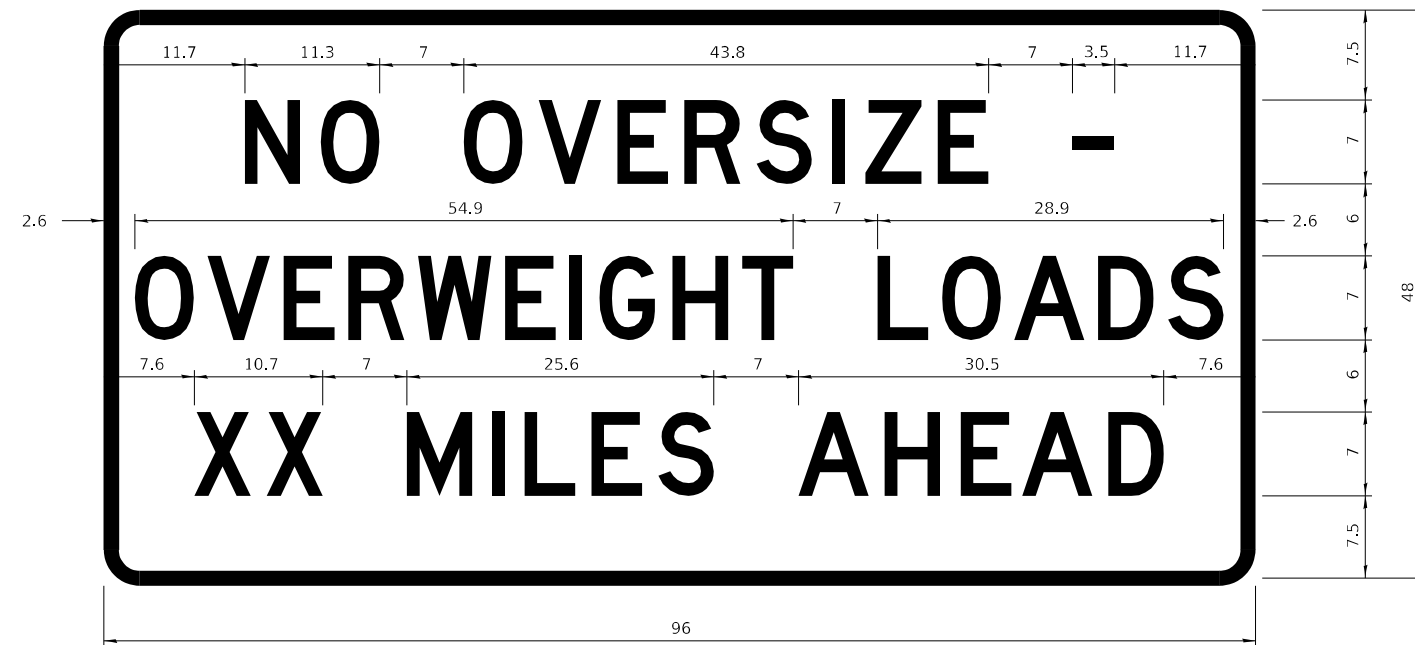
REGION 2 / DISTRICT 2 STANDARD

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

F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	10IRS-2	OGLE	26	17
CONTRACT NO. 64G99				
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
-------	------------------------------	--------------	---------------------------------

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.

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

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

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

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.

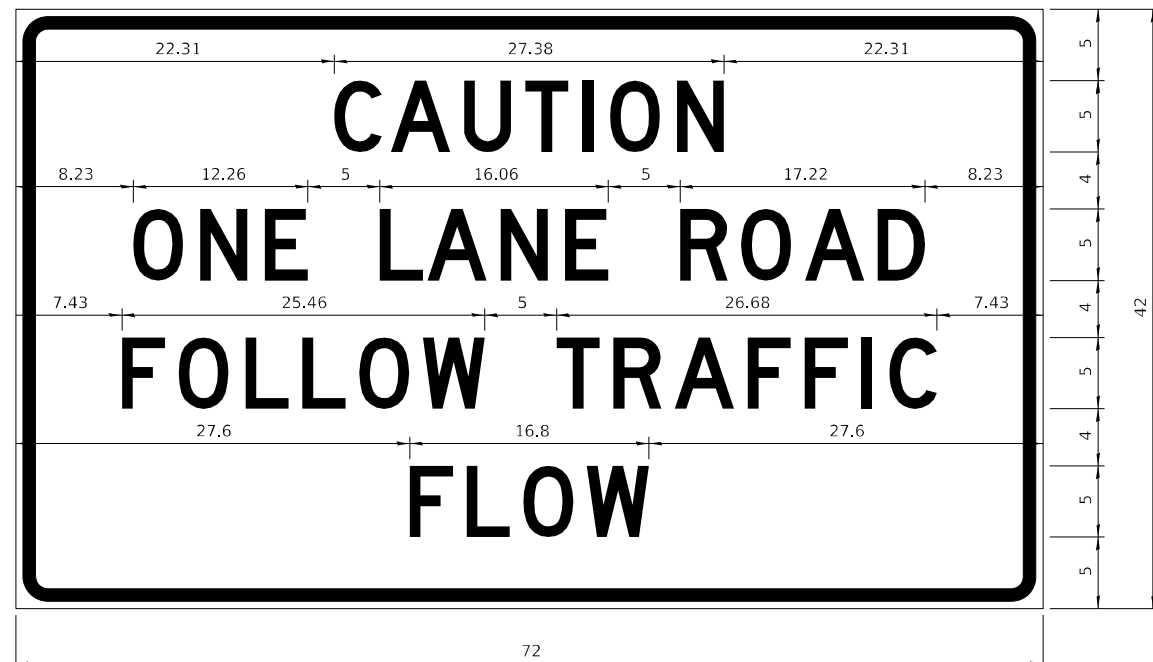
Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

FILE NAME =	USER NAME = lseec	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\0206411\Drawings\CADsheets\0206411-sht-Plan Sheet	PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -			17	10IRS-2	OGLE	26	18
PLOT DATE = Jan-21-2021 01:02:41 PM	DATE -	REVISED -	SCALE: _____ SHEET NO. ____ OF ____ SHEETS STA. _____ TO STA. _____			CONTRACT NO. 64G99				

ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS

②



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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

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

Table Of Widths And Spaces

22.31	C	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
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------

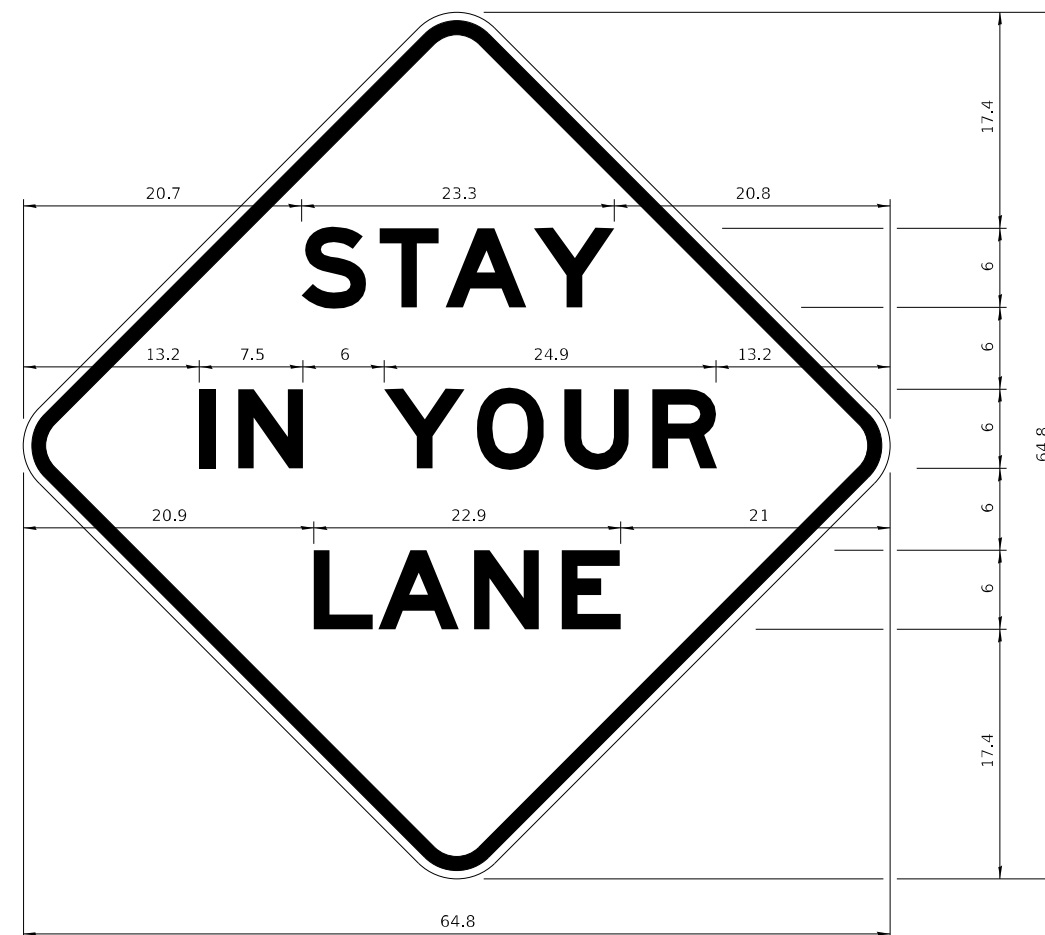
5.00	T	3.05	0.94	R	3.36	0.94	A	4.18	0.93	F	3.05	0.94	F	3.04	0.94	I	0.78	1.18	C	3.35	7.43
------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------	---	------	------

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

WORK ZONE SIGN DETAILS

STAY IN YOUR LANE



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

48.0" across sides 3.8" Radius, 1.0" Border, 0.6" Indent;
"STAY" E Mod; "IN YOUR" E Mod; "LANE" E Mod;

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.

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 = lseec	DESIGNED -	REVISED - 3-02-16
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PLOT DATE = Jan-21-2021 01:05:14 PM			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

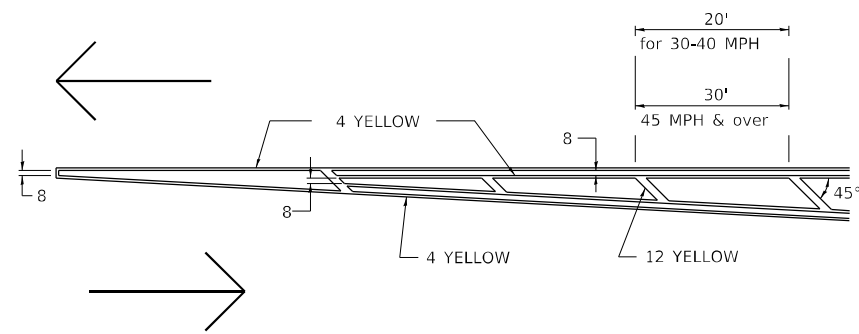
REGION 2 / DISTRICT 2 STANDARD

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

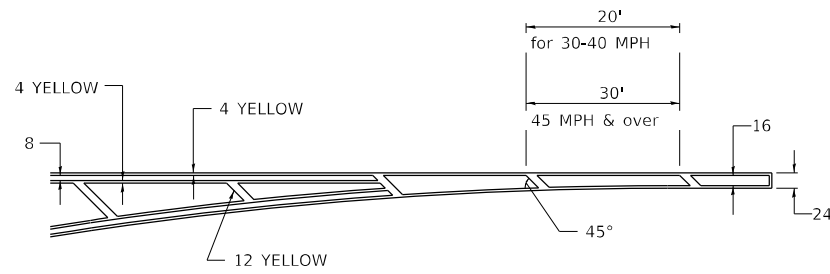
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	10IRS-2	OGLE	26	19
CONTRACT NO. 64G99				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

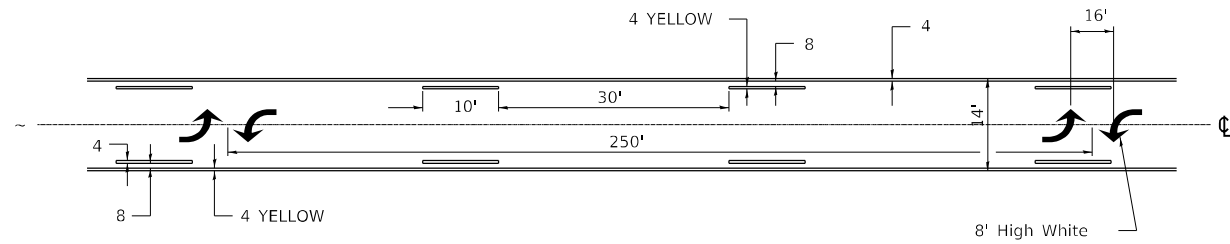
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



AT LEFT TURN LANE

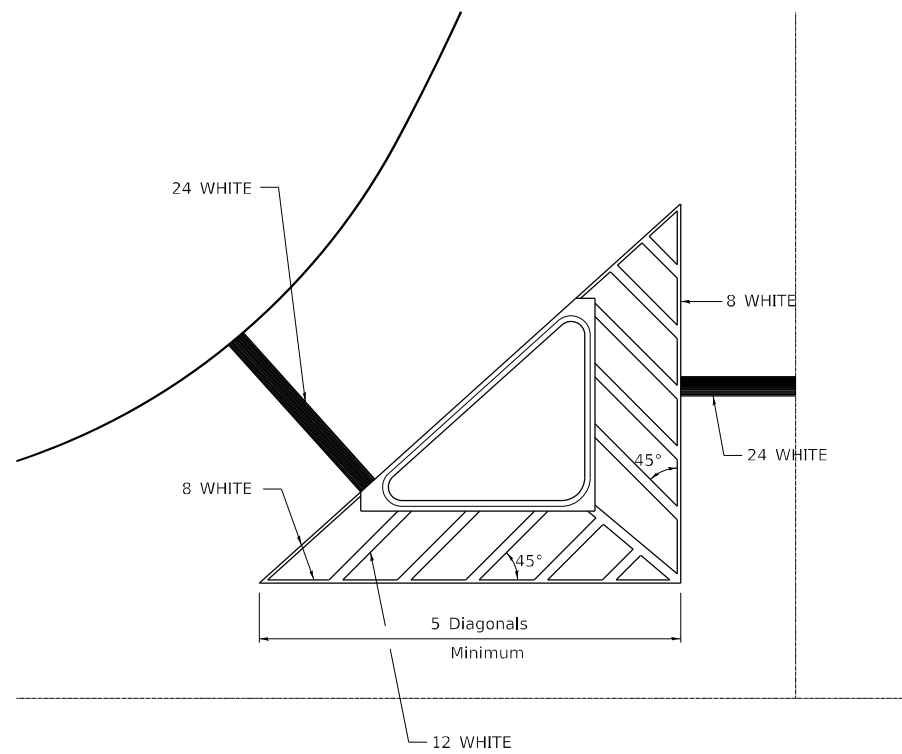


MEDIAN PAVEMENT MARKING



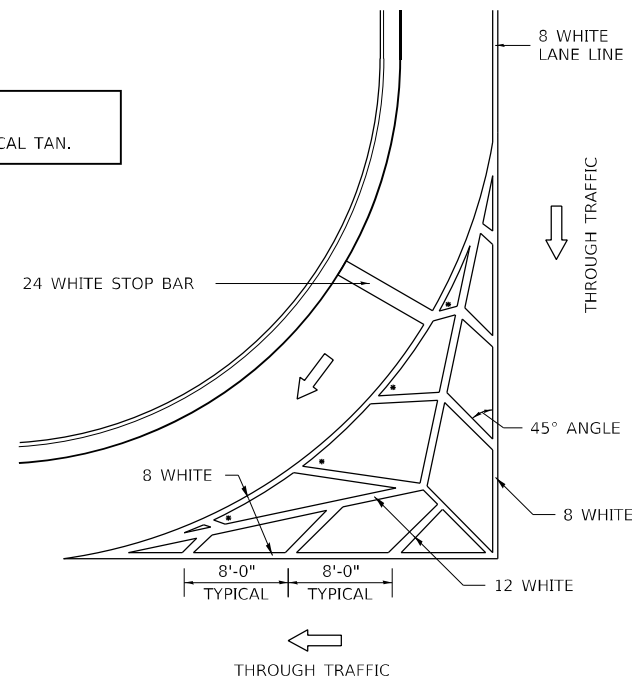
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND
OFFSET SHOULDER WIDTH



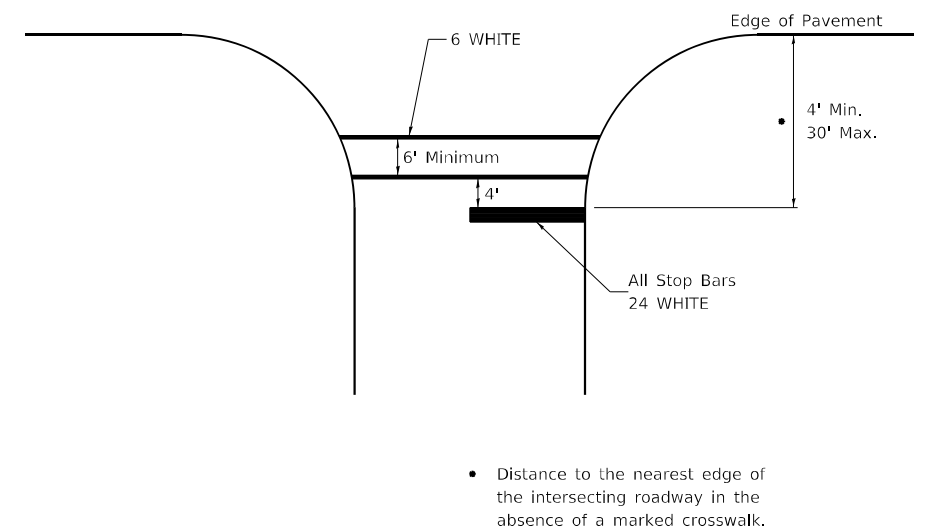
TYPICAL MARKING FOR
PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

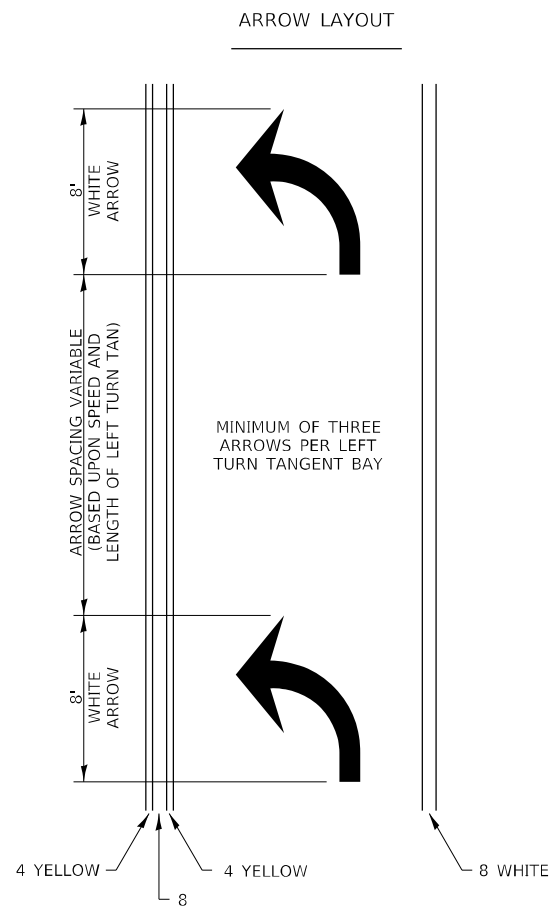
See Schedules for Locations



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

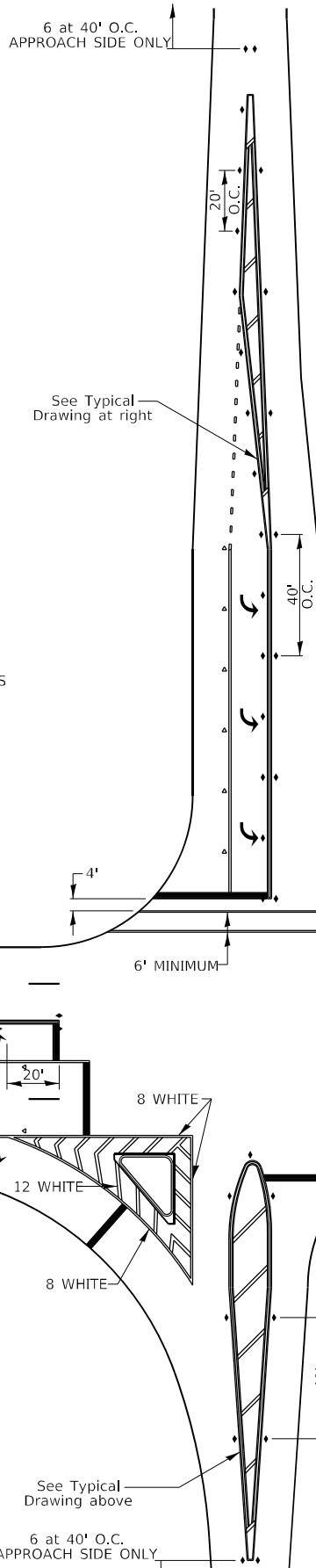
FILE NAME =	USER NAME = leec	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLLOT DATE = Jan-21-2021 01:05:31 PM	DATE -	REVISED -	REVISED -			CONTRACT NO. 64G99					
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

TYPICAL PAVEMENT MARKINGS

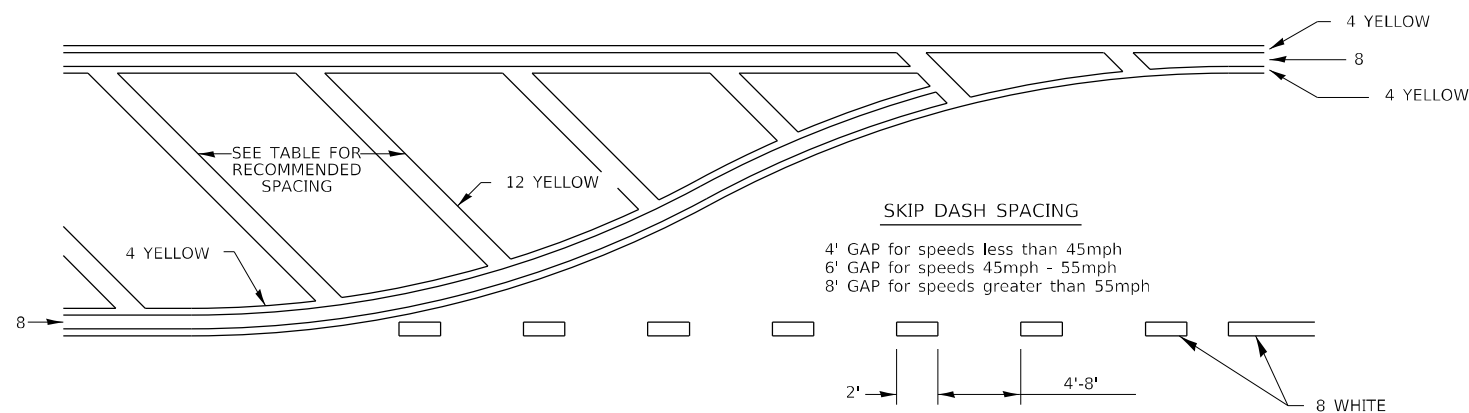


- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



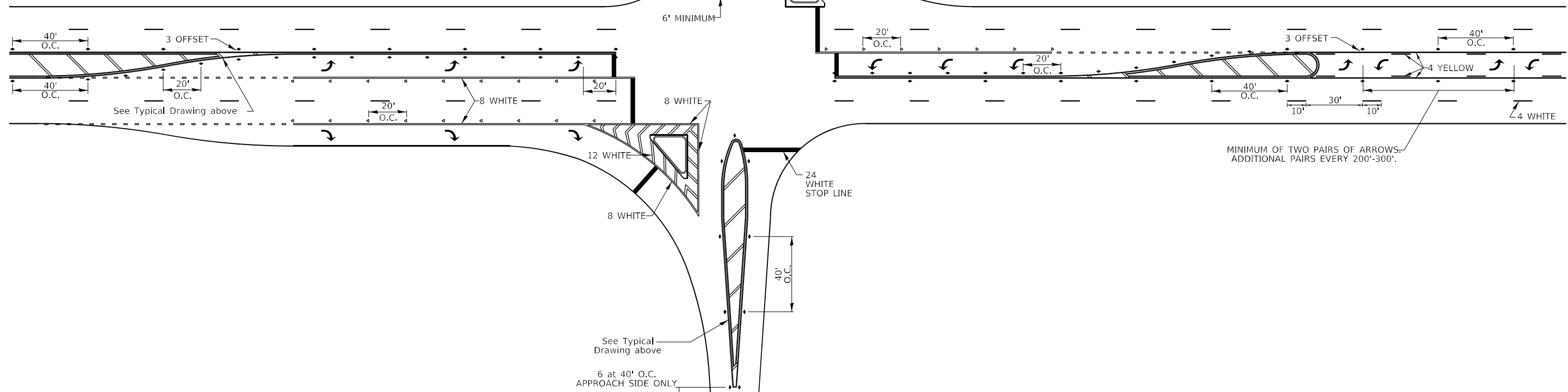
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



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.



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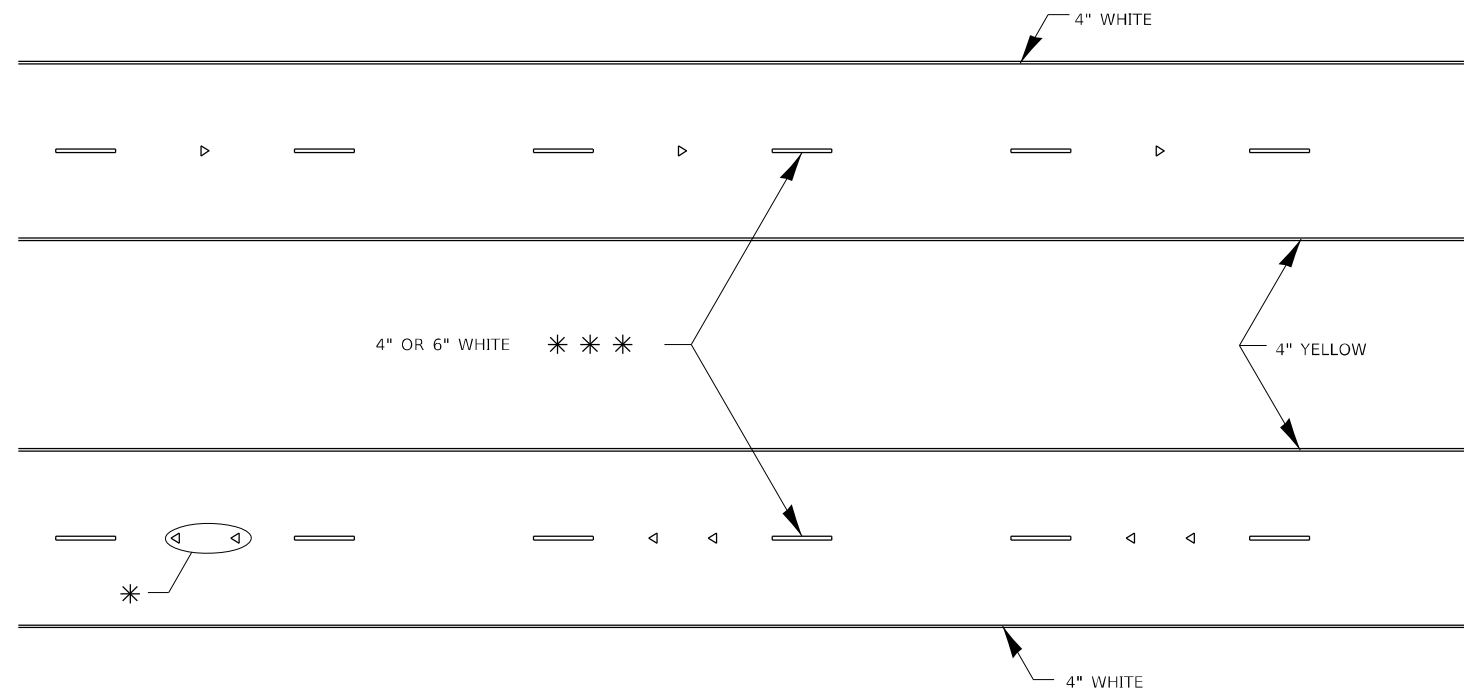
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

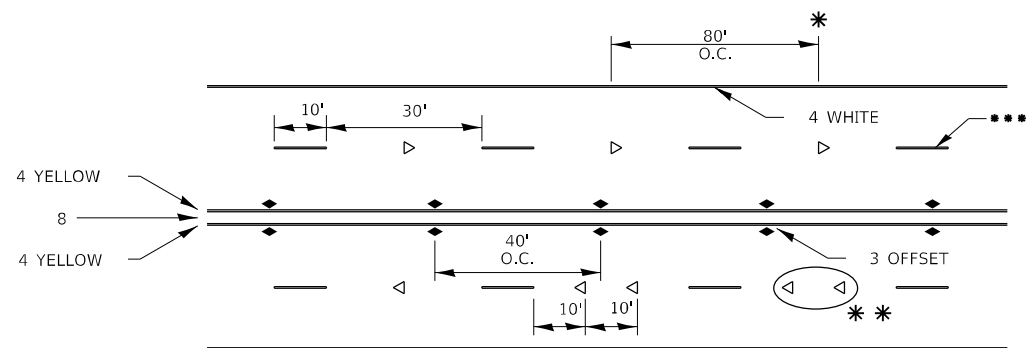
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	10IRS-2	OGLE	26	21
CONTRACT NO. 64C99				
FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS



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

MULTI-LANE / DIVIDED



* REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.

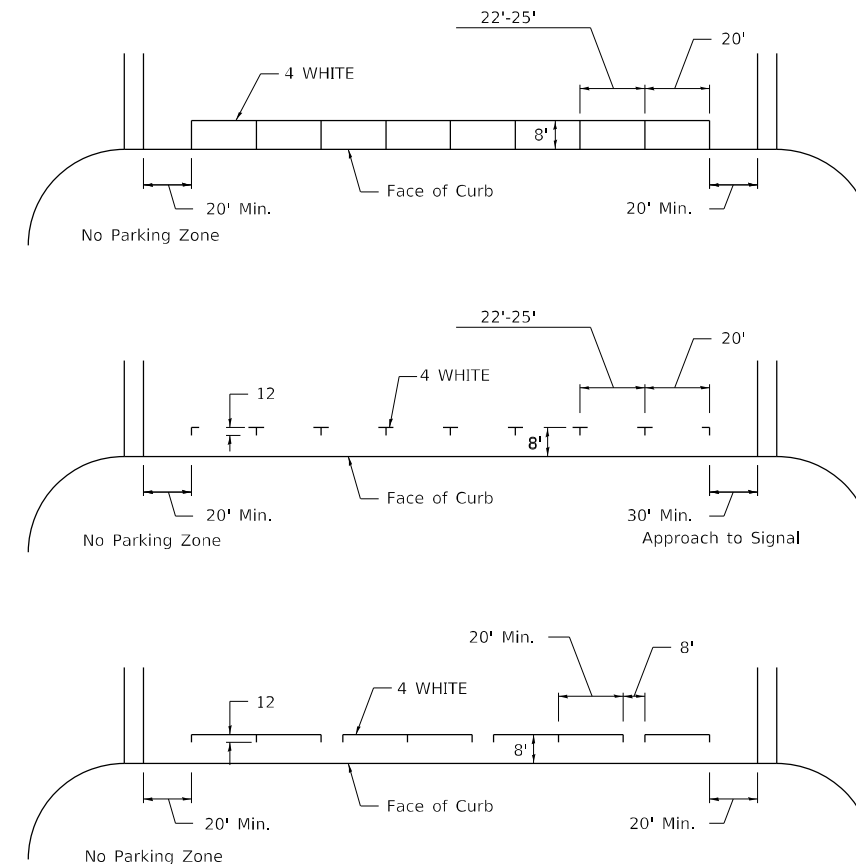
** USE DOUBLE MARKERS WHEN ADT > 20,000

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

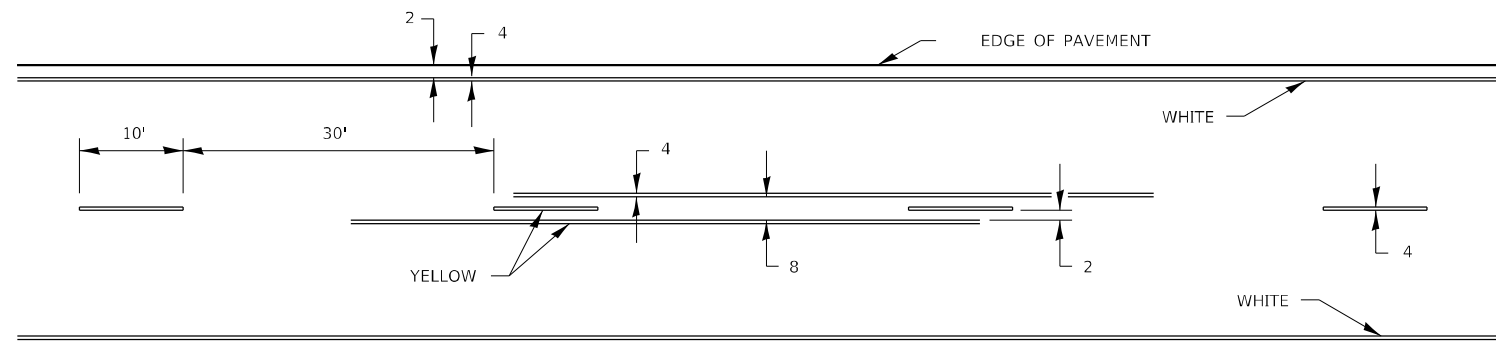
MULTI-LANE / UNDIVIDED & ONE WAY

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

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



SYMBOLS

FILE NAME =	USER NAME = leec	DESIGNED -	REVISED - 6-27-14
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		DATE -	REVISED -

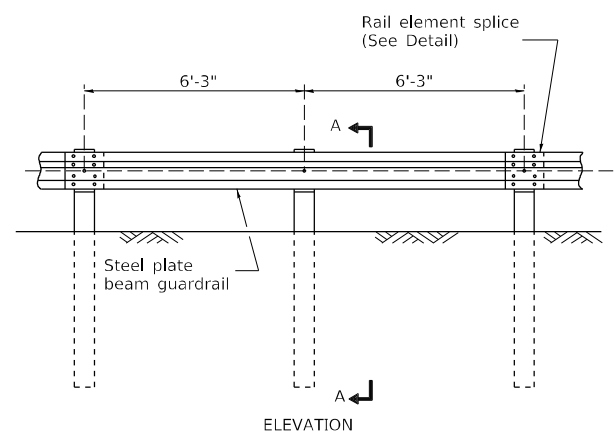
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

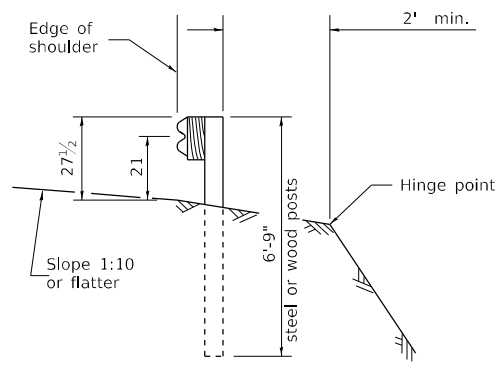
SCALE: _____ SHEET NO. ___ OF ___ SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 64G99				
FED. ROAD DIST. NO. - ILLINOIS FED. AID PROJECT				

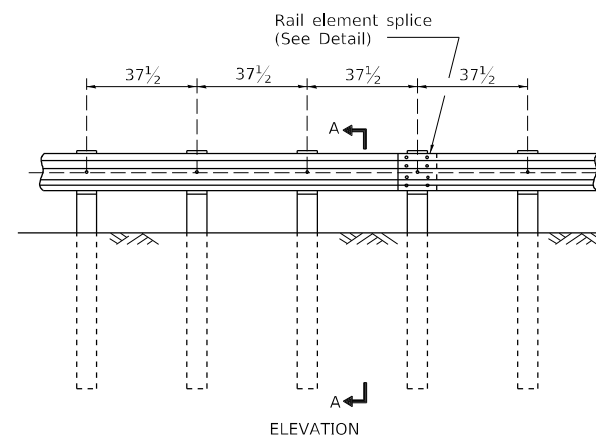
REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



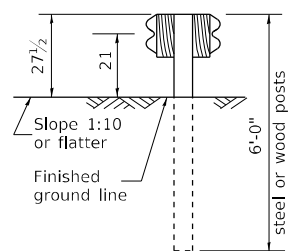
TYPE A
6'-3" Typical post spacing



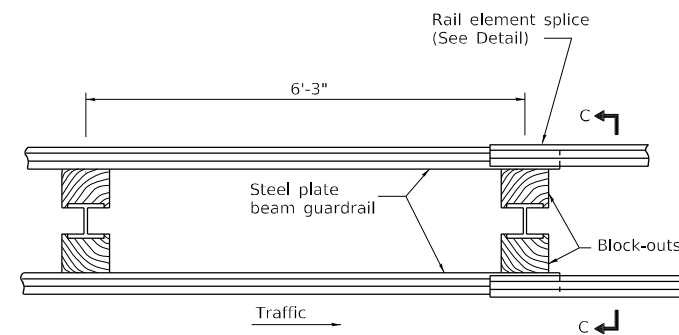
SECTION A-A



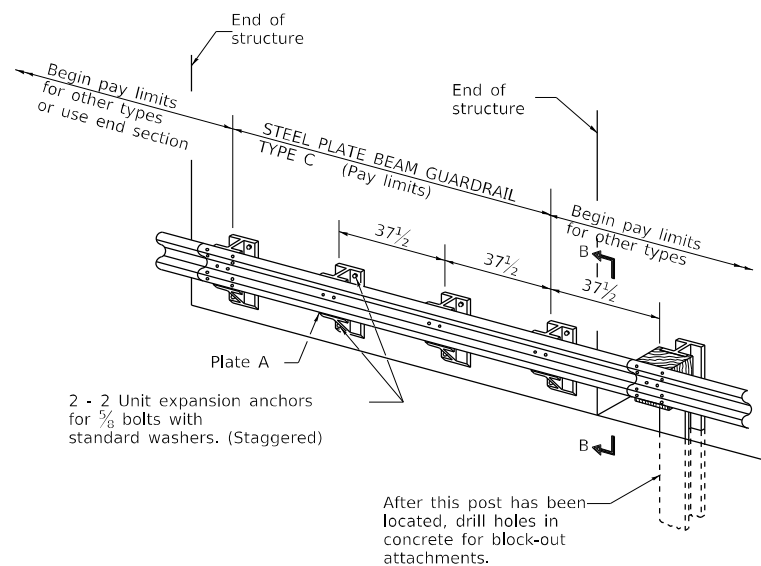
TYPE B
37 1/2" Closed post spacing



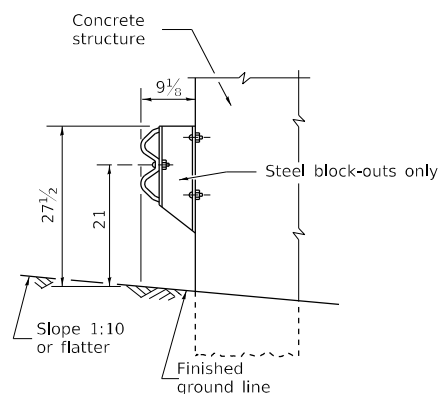
SECTION C-C



TYPE D
Double steel plate beam guardrail
6'-3" typical post spacing



TYPE C
37 1/2" Block-out spacing



SECTION B-B

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches unless otherwise shown.

The existing steel posts may be drilled to match the bolt pattern shown herein for the wood block-out, or a new steel post shall be provided.

This detail is applicable to the guardrail system used prior to January 1, 2007. For details on the Midwest Guardrail System, see Standard 630001.

USER NAME = leeac	DESIGNED - _____	REVISED - 1-05-16
FILE NAME: pwc\planroom\dot\illinois.gov\PWIDOT Documents\DOT Offices\District 2\Projects\D206411\CA... Sheets\206411-shl-Plan_Sheets.dgn	CHECKED - _____	REVISED - 10-18-11
PLOT SCALE = 2,000' / in.	DATE - _____	REVISED - _____
PLOT DATE = Jan-21-2021 01:06:24 PM		

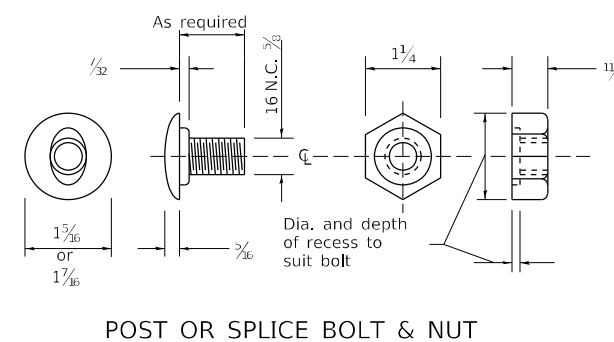
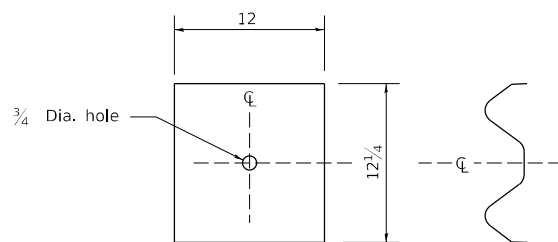
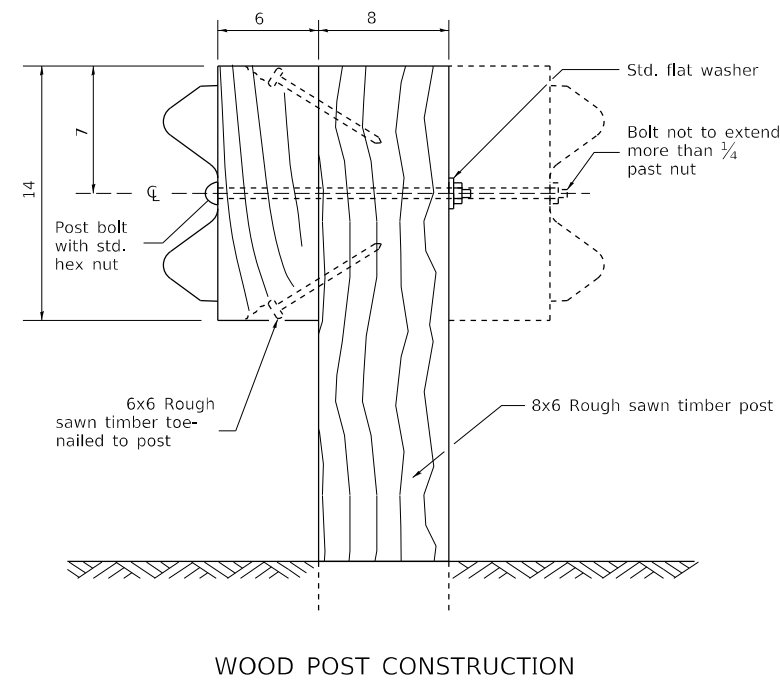
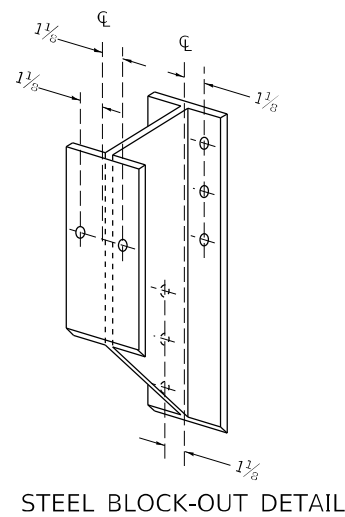
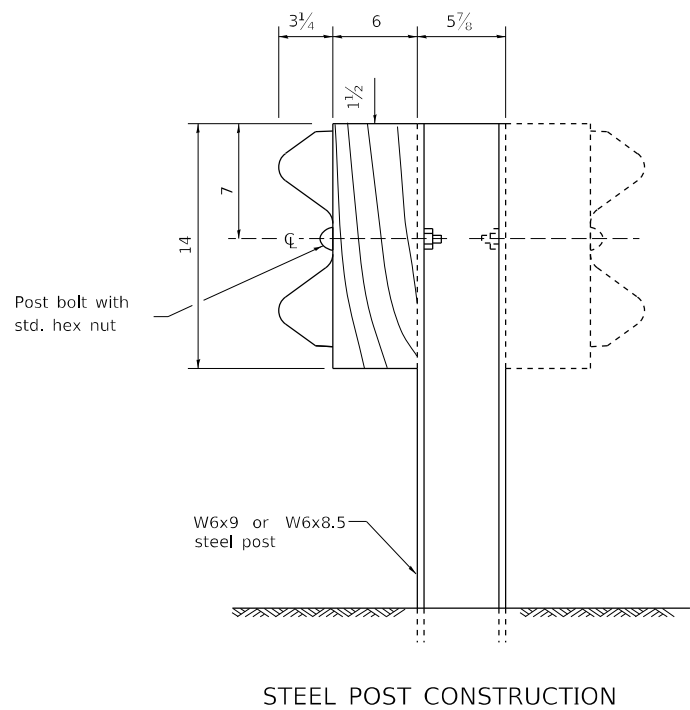
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DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

F.A. RTE. = 17	SECTION = 10IRS-2	COUNTY = OGLE	TOTAL SHEETS = 26	SHEET NO. = 23
CONTRACT NO. 64G99			ILLINOIS FED. AID PROJECT	

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL



USER NAME = leeac	DESIGNED - _____	REVISED - 1-05-16
FILE NAME: pwc\planroom\dot.illinois.gov\PWIDOT Documents\DOT Offices\District 2\Projects\D206411\CA... Sheets.dgn	CHECKED - _____	REVISED - 10-18-11
PLOT SCALE = 2,0000' / in.	DATE - _____	REVISED - _____
PLOT DATE = Jan-21-2021 01:06:38 PM		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

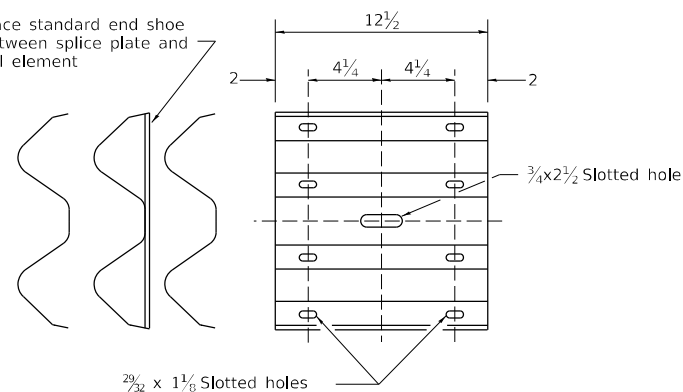
REGION 2 / DISTRICT 2 STANDARD

SCALE: _____ SHEET 2 OF 4 SHEETS STA. _____ TO STA. _____

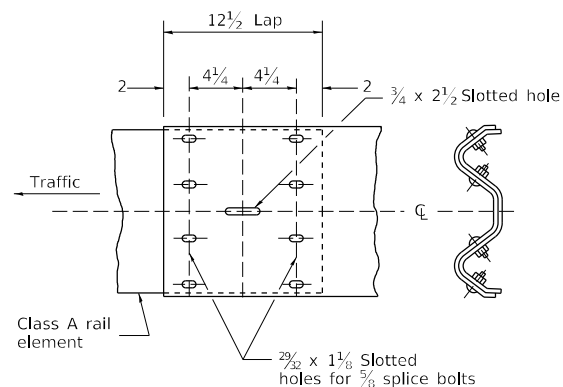
F.A. RTE. = 17	SECTION = 10IRS-2	COUNTY = OGLE	TOTAL SHEETS = 26	SHEET NO. = 24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64G99	

REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL

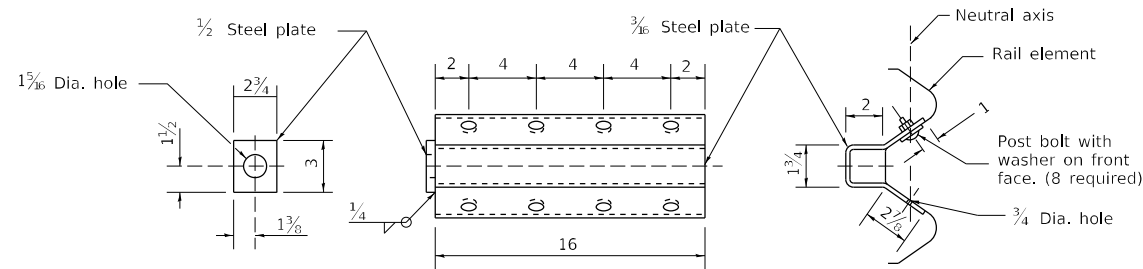
Place standard end shoe between splice plate and rail element



SPLICE PLATE



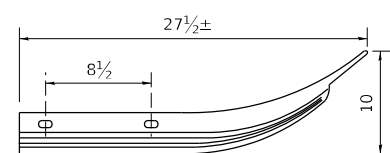
RAIL ELEMENT SPLICE



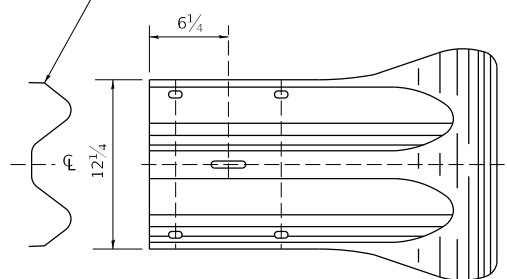
NOTE

Anchor plate T shall be used to attach cable assembly to guardrail when required on traffic barrier terminals.

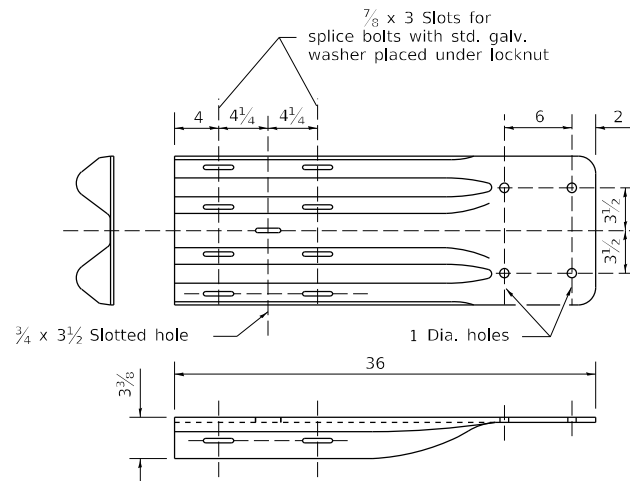
ANCHOR PLATE T DETAILS



Class A rail element



END SECTION



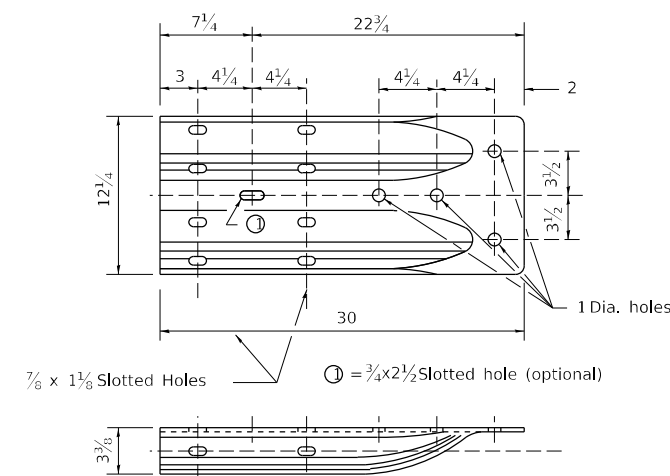
NOTE

When end shoe is attached to a bridge parapet which has an expansion joint, the bolts shall be provided with a locknut or double nut and shall be tightened only to a point that will allow guardrail movement.

The standard end shoe shall be attached to the concrete with pre-drilled or self-drilling anchor bolts. The anchor cone shall be set flush with the surface of the concrete.

Externally threaded studs protruding from the surface of the concrete will not be permitted.

END SHOE



ALTERNATE END SHOE

FILE NAME: pwc\planroom\dot\illinois.gov\PWIDOT	USER NAME = leeac	DESIGNED - _____	REVISED - 1-05-16
Documents\DOT Offices\District 2\Projects\D206411\CA	DRAWN	CHECKED - _____	REVISED - 10-18-11
PLOT SCALE = 2,0000' / in.	DATE - _____	DATE - _____	REVISED - _____
PLOT DATE = Jan-21-2021 01:06:55 PM			REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD

SCALE: _____ SHEET 3 OF 4 SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
17	10IRS-2	OGLE	26	25
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64G99	

