

04-27-2018 LETTING ITEM 063

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103RS-3	JO DAVIESS	36	1
		ILLINOIS	CONTRACT NO. 64K24	

PROJECT ENGINEER: STEVE ROBERY

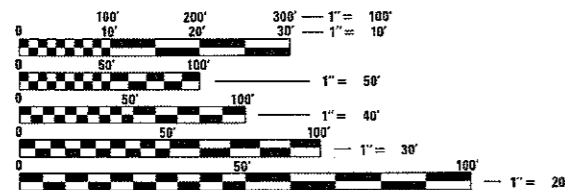
FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR STATE STANDARDS, SEE SHEET NO.2

PROPOSED HIGHWAY PLANS

FAP ROUTE 308 (IL 84)
SECTION 103RS-3
PROJECT NHPP-YQWU(592)
PAVEMENT RESURFACING
JO DAVIESS COUNTY
C-92-061-15

SQUAD ENGINEER: COREY CONDERMAN (815)-284-5936

HANOVER TOWNSHIP, 4, 9
ELIZABETH TOWNSHIP, 22, 27, 28, 33



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
SENIOR SQUAD LEADER: ANDY LEE (815) 284-5343
SQUAD ENGINEER: COREY CONDERMAN (815) 284-5936

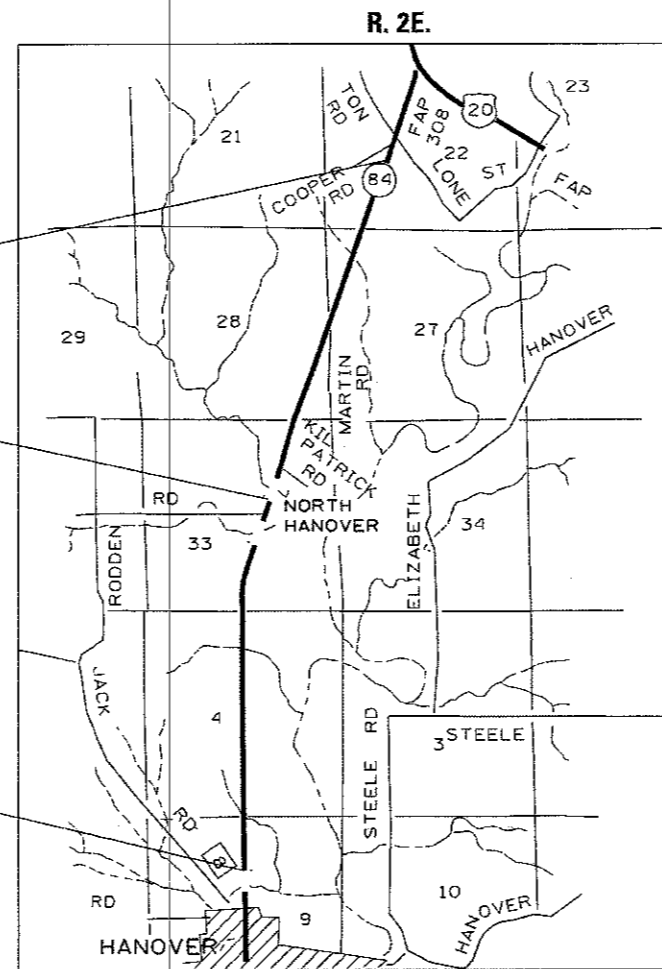
CONTRACT NO. 64K24



PROJECT ENDS
STA 537 + 21

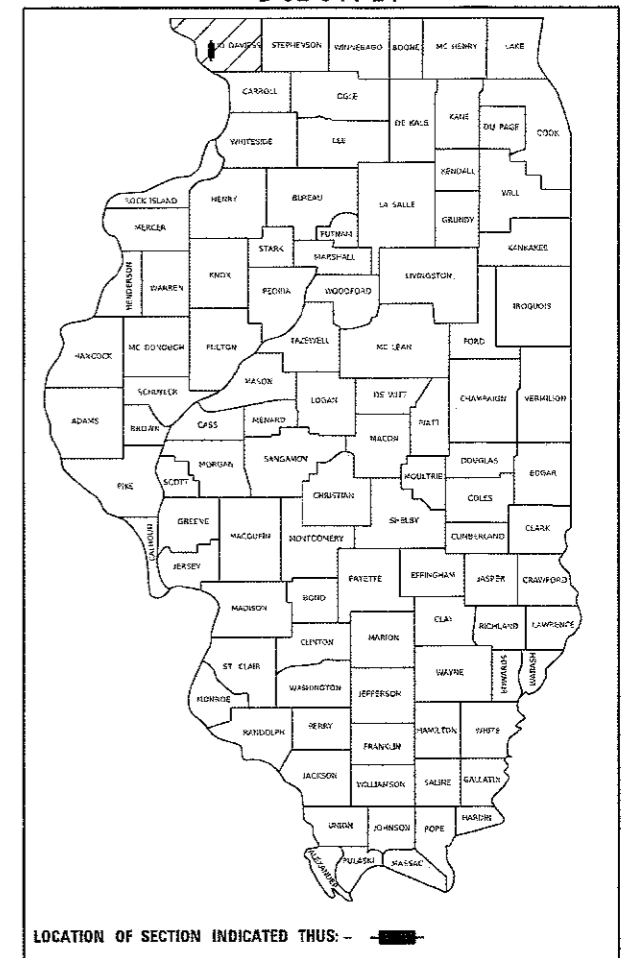
PAVING GAP
STA 444 + 71 - 454 + 35

PROJECT BEGINS
STA 338 + 44



GROSS LENGTH = 19,877 FT. = 3.76 MILES
LENGTH OF GAP = 964 LIN. FT. = 0.18 MILES
NET LENGTH = 18,913 FT. = 3.58 MILES

D-92-044-14



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED Jan 25, 2018
Kevin Marchek REGIONAL ENGINEER

Mar 23, 2018
[Signature] ENGINEER OF DESIGN AND ENVIRONMENT

Mar 23, 2018
[Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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STATE STANDARDS

001006	Decimal of an Inch and of a Foot
630001 - 12	Steel Plate Beam Guardrail
635001 - 02	Delineators
701001 02	Off-Road Operations, 2L, 2W, More Than 15' (4.5 m) Away
701006 - 05	Off-Road Operations, 2L, 2W, 15' (4.5 m) to 24" (600 mm) From Pavement Edge
701011 - 04	Off-Road Moving Operations, 2L, 2W, Day Only
701201 - 04	Lane Closure, 2L, 2W, Day Only, for Speeds \geq 45 MPH
701301 - 04	Lane Closure, 2L, 2W, Short Time Operations
701306 - 04	Lane Closure, 2L, 2W, Slow Moving Operations Day Only, for Speeds \geq 45 MPH
701311 - 03	Lane Closure, 2L, 2W, Moving Operations - Day Only
701701 - 10	Urban Lane Closure, Multilane Intersection
701901 - 07	Traffic Control Devices
720011 - 01	Metal Posts for Signs, Markers, and Delineators
725001 - 01	Object and Terminal Markers
728001 - 01	Telescoping Steel Sign Support
729001 - 01	Applications of Types A and B Metal Posts
780001 - 05	Typical Pavement Markings
781001 - 04	Typical Application of Raised Reflective Pavement Markers
782006	Guardrail and Barrier Wall Reflector Mounting Details

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103RS-3	JO DAVIESS	36	2
CONTRACT NO. 64K24				
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 Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1A. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches. This work shall be included in the cost of STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS and CONCRETE GUTTER, TYPE A (SPECIAL).

Fertilizer shall be applied to all disturbed areas and incorporated into the seedbed prior to seeding or placement of sod at the rate specified in Sections 250 and 252 of the Standard Specifications. This work shall be included in the cost of STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS and CONCRETE GUTTER, TYPE A (SPECIAL).

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of the STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS and CONCRETE GUTTER, TYPE A (SPECIAL)..

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.

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):			
Mixture Use(s):	Surface	Level Binder	HMA over Patches
PG:	64-22	64-22	64-22
Design Air Voids:	4.0 @N50	4.0 @N50	4.0 @N50
Mixture Composition (Mixture Gradation):	IL 9.5	IL 9.5 FG	IL 19.0
Friction Aggregate:	C	N/A	N/A
Mixture Weight:	112	N/A	N/A
Quality Management Program:	QCP	QCP	QC/QA
Sublot Size:	1000	1000	N/A
Number of Roller Passes ¹⁾ :	N/A	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.

Reflective Crack Control shall be placed on the existing surface prior to any resurfacing, unless pavement is milled then it will be placed on the binder course.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

The Contractor shall supply the Resident Engineer with the manufacturer's installation requirements for the type of Steel Plate Beam Guardrail Terminal Type 1 Special (Tangent) or Steel Plate Beam Guardrail Terminal Type I Special (Flared).

One 16d galvanized nail shall be used to toe nail the wood block out to the wood post on all Traffic Barrier Terminal Type I Specials.

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

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.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1 mile or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 6 Each.

FILE NAME = 64K24.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES				PA	SECTION	COUNTY	TOTAL	SHEET
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		DATE - 1/24/2018 11:47 AM	REVISED -									CONTRACT NO. 64K24	

GENERAL NOTES

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.

Aggregate Base Course, Type B, is provided in the plan quantities and shall be used only as needed when directed by the Engineer.

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:

<p>Jo-Carroll Electric, 815-273-2222 NICOR Gas, 630-388-3046 Mediacom, 630-365-0045 Village of Hanover, 815-591-3800</p>	<p>Jo Carroll Electric, 815-858-2207 Frontier Legacy, 815-772-2078 iFiber, 815-753-6075</p>
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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.

When HMA surface removal over patches is being performed, the Contractor shall mill to the existing concrete pavement or 8" depth, whichever they encounter first.

Two (2) weeks prior to the placing of the Thermoplastic Pavement Marking Line, notice shall be given to Kurt Glazier at the Illinois Department of Transportation, District 2 (815/440-1833) for the moving of the southbound (SB) No Passing Zone sign.

The depth of milling in hot-mix asphalt scarification locations shall not exceed 1/2 inch.

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	PLOT DATE = 1/24/2018 1:03 PM	DATE = 1/24/2018 11:47 AM	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNITS	RURAL	ROADWAY
			TOTAL	80% FED 20% STATE 0005
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	8	8
63200310	GUARDRAIL REMOVAL	FOOT	1,100	1,100
63500105	DELINEATORS	EACH	8	8
* 66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	6	6
67000400	ENGINEERS FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	5	5
70300100	SHORT TERM PAVEMENT MARKING	FOOT	8,964	8,964
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	996	996
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	8	8
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	125	125

* SPECIALITY 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.
308	103RS-3	JO DAVIESS	36	6
CONTRACT NO. 64K24				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNITS	RURAL	ROADWAY
			TOTAL	80% FED 20% STATE 0005
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13,534	13,534
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	743	743
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	950	950
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	35	35
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	120,982	120,982
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	350	350
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	20	20
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	123	123
X2800400	PERIMETER EROSION BARRIER, SPECIAL	FOOT	200	200
X6062700	CONCRETE GUTTER, TYPE A (SPECIAL)	FOOT	1,700	1,700
Z0004405	HOT-MIX ASPHALT SCARIFICATION	SQ YD	34,379	34,379
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	22,796	22,796
Z0040315	PILOT CAR	CAL DAY	10	10

* SPECIALITY ITEM

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

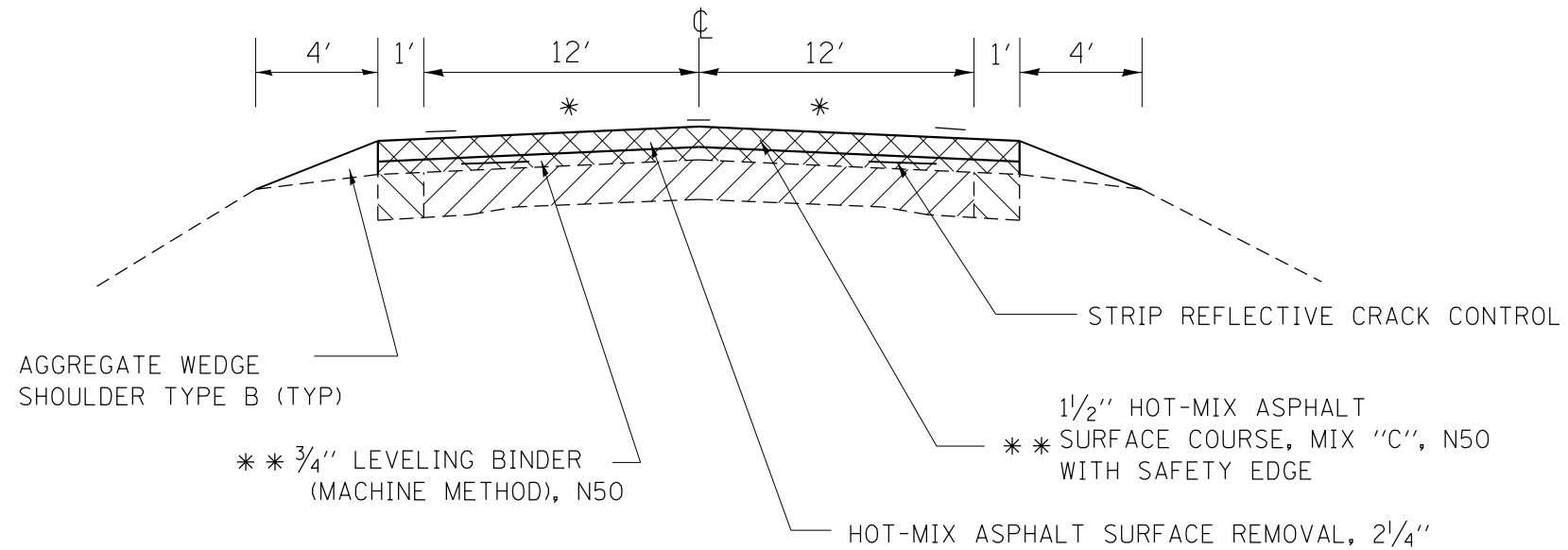
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CONTRACT NO. 64K24				
ILLINOIS FED. AID PROJECT				

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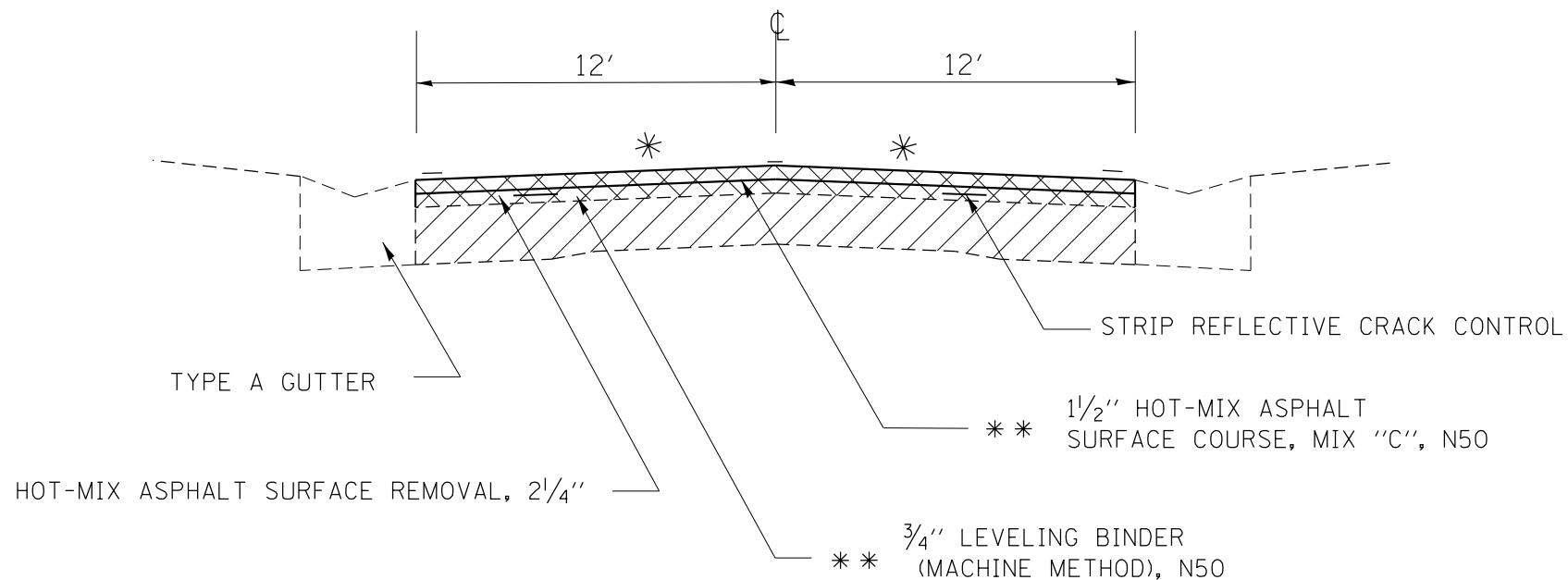
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 STA. 433+92 - 444+71



IL 84

STA. 361+00 - 377+11
 STA. 385+44 - 394+69



REMOVAL

EXISTING PCC PAVEMENT 7 INCH WITH 10 INCH HMA OVERLAY

EXISTING HMA SHOULDER

* MAINTAIN EXISTING CROSS SLOPE
 (1/8" PER FOOT MIN.)

**112 LBS/SQ YD/IN

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**STATE OF ILLINOIS
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TYPICAL SECTIONS

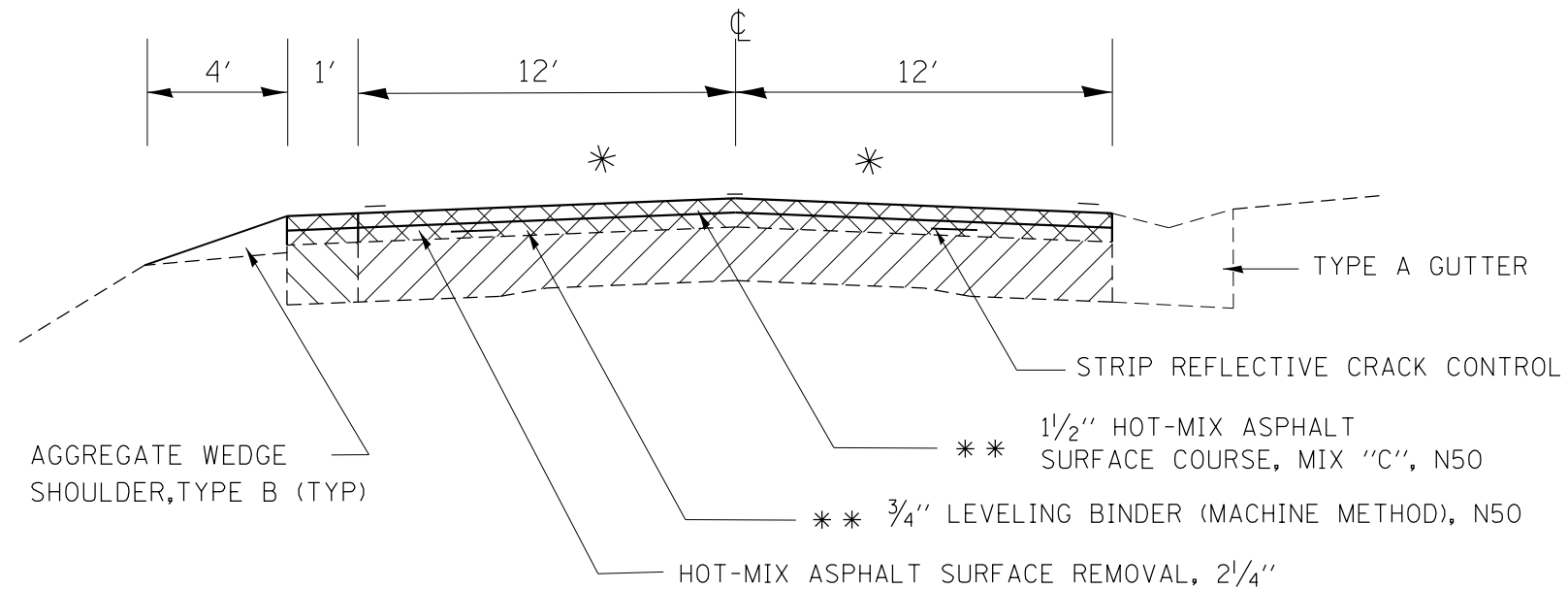
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308	103RS-3	JO DAVIESS	36	9
CONTRACT NO. 64K24			ILLINOIS FED. AID PROJECT	

TYPICAL SECTION

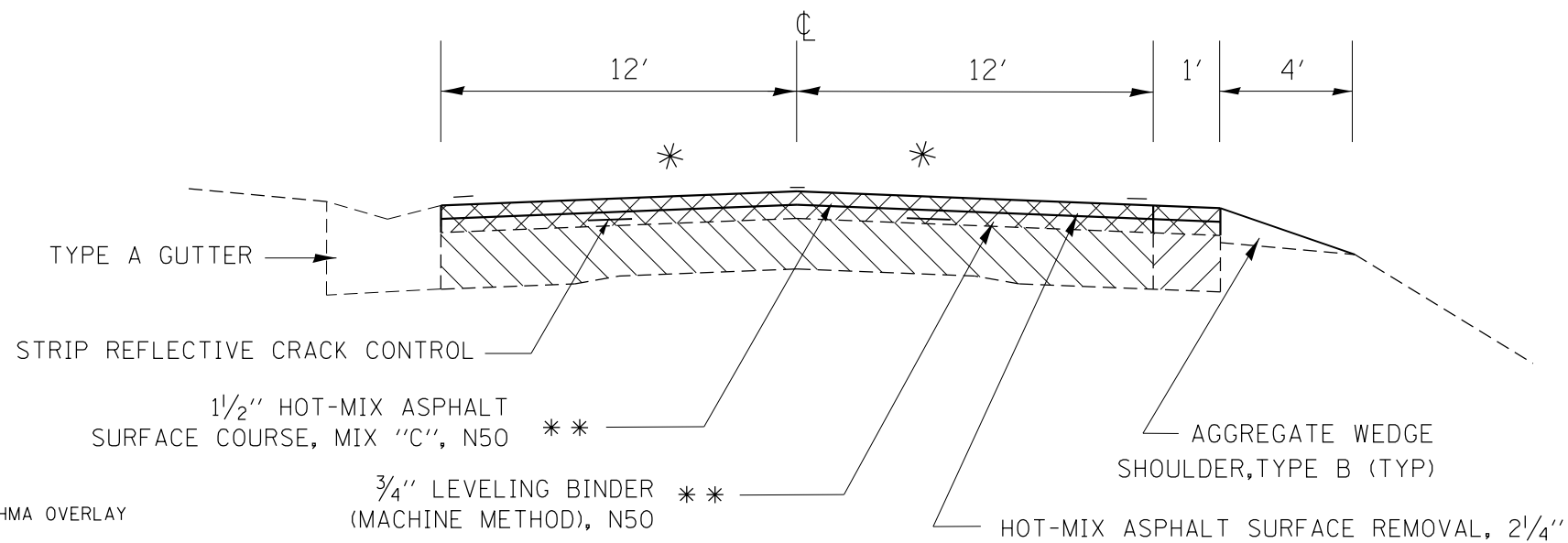
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 STA. 421+40 - 433+92



IL 84

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 STA. 479+42.5 - 483+92.5



REMOVAL

EXISTING PCC PAVEMENT 7 INCH WITH 10 INCH HMA OVERLAY

EXISTING HMA SHOULDER

* MAINTAIN EXISTING CROSS SLOPE
 (1/8" PER FOOT MIN.)
 **112 LBS/SQ YD/IN

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**STATE OF ILLINOIS
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TYPICAL SECTIONS

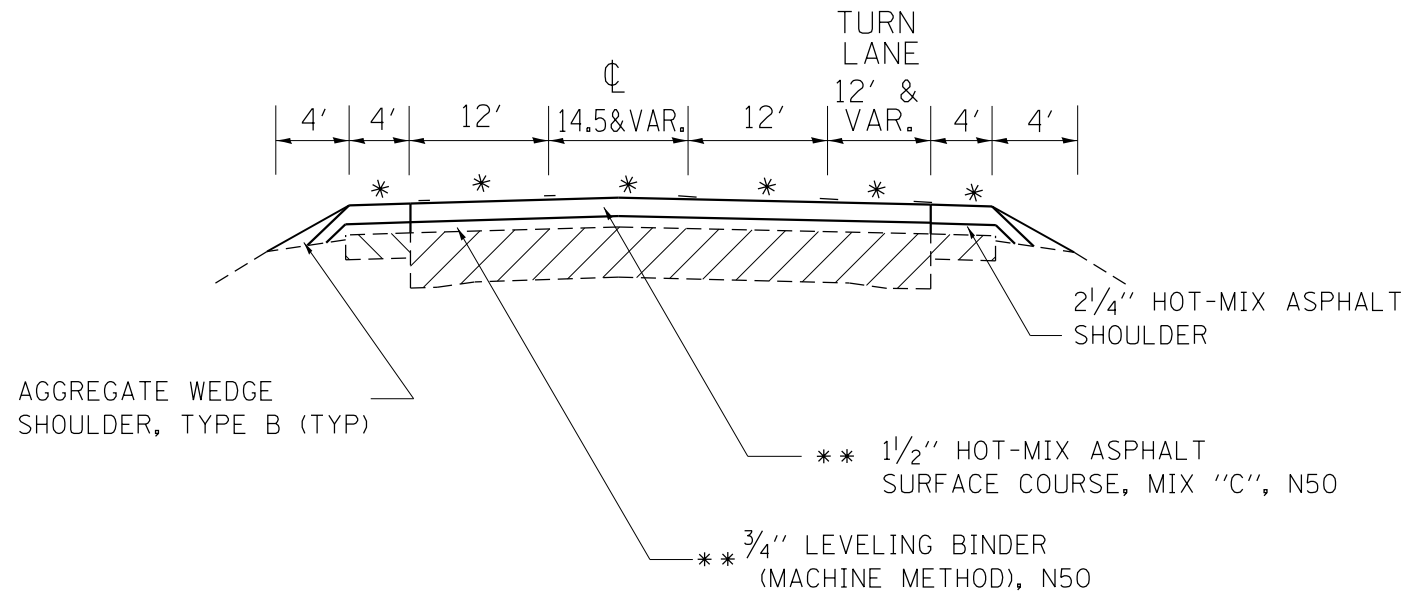
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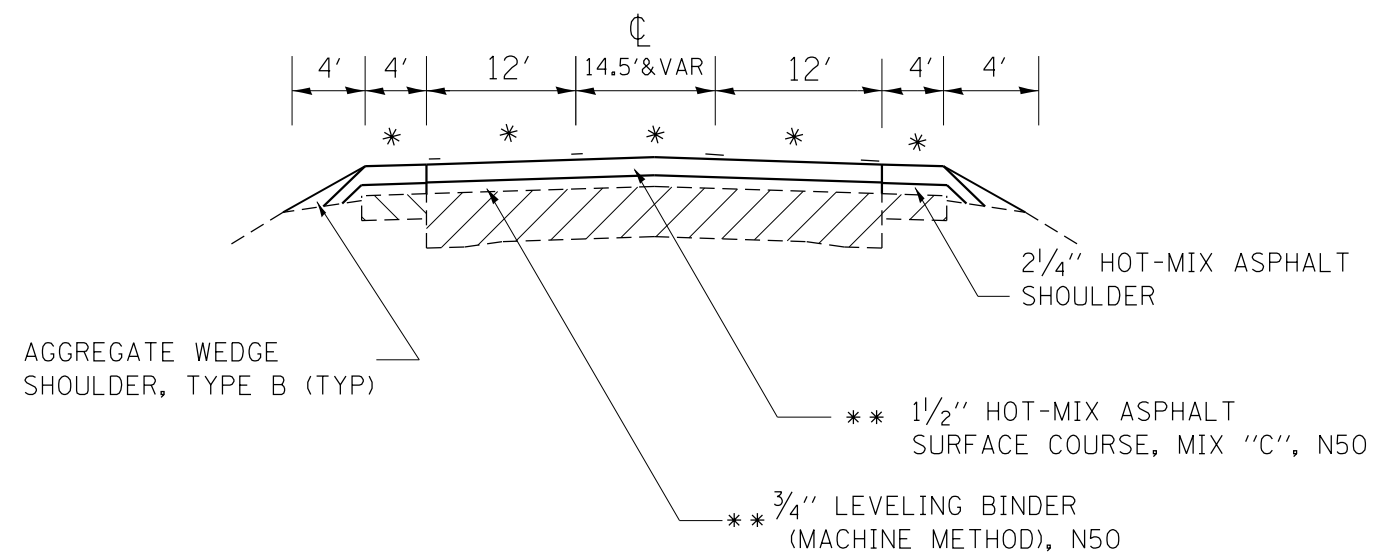
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

STA. 513+70 - 525+31



IL 84

STA. 525+31 - 537+21



-  EXISTING PCC PAVEMENT 7 INCH WITH 10 INCH HMA OVERLAY
-  EXISTING HMA SHOULDER

* MAINTAIN EXISTING CROSS SLOPE (1/8" PER FOOT MIN.)

**112 LBS/SQ YD/IN

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TYPICAL SECTIONS

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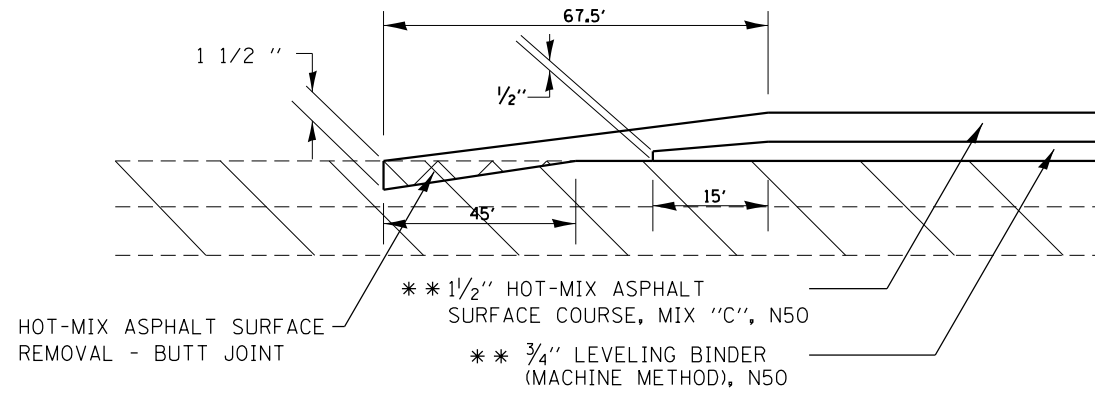
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STA. 454+35 - 455+03

STA. 536+53 - 537+21



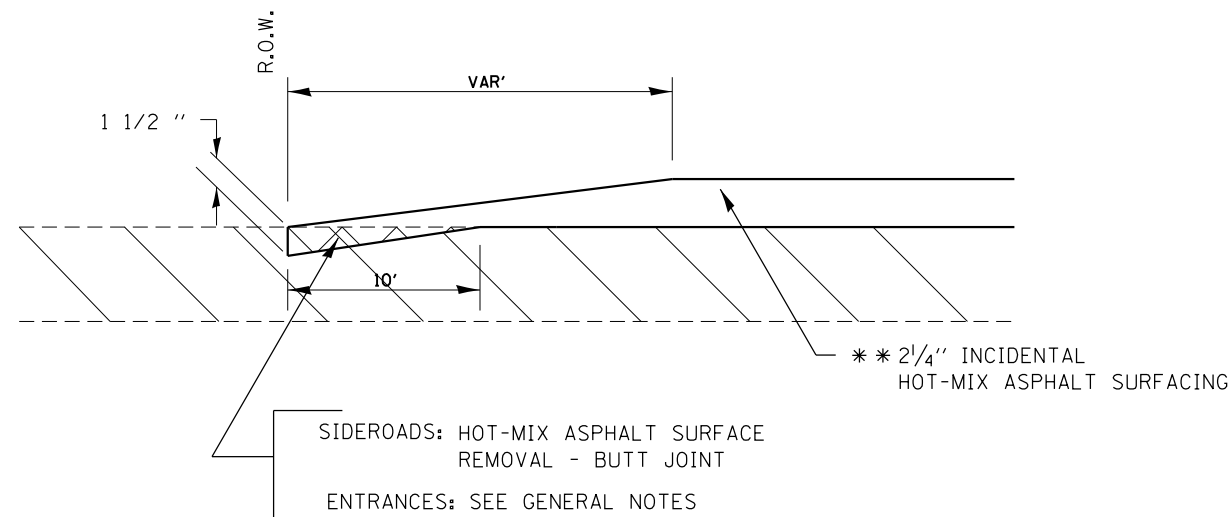
EXISTING PCC PAVEMENT 7 INCH WITH 10 INCH HMA OVERLAY

** 112 LBS/SQ YD/IN

TYPICAL BUTT JOINT TAPER

IL 84

SIDE ROADS



EXISTING PAVEMENT

** 112 LBS/SQ YD/IN

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**STATE OF ILLINOIS
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TYPICAL PAVEMENT JOINT DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103RS-3	JO DAVIESS	36	12
CONTRACT NO. 64K24				
ILLINOIS FED. AID PROJECT				

Schedule of Quantities

48102100 AGGREGATE WEDGE SHOULDER, TYPE B

TON	LOCATION	(See Dist Std 8.4)	Width, ft
256	IL 84 Sta 437+50.0 - 439+50.0	RT	2.5
<u>256</u>	TOTAL		

40600290 BITUMINOUS MATERIALS (TACK COAT)

POUND	LOCATION
476.1	IL 84 Hot-Mix Asphalt Replacement Over Patches Areas (1058 Sq Yd *0.45 Pounds/Sq Yd = 476.1 Pounds)
<u>476.1</u>	TOTAL

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS

FOOT	LOCATION	(See Standard 630001)
50	IL 84 Sta 434+22.5 - 434+72.5	RT
350	Sta 434+87.5 - 438+37.5	LT
375	Sta 435+77.5 - 439+52.5	RT
<u>25</u>	Sta 439+88.5 - 440+13.5	LT
800	TOTAL	

40600982 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

SQ YD	LOCATION	Width, ft
190	IL 84 Sta 338+44 - 339+12	38
200	Sta 454+35 - 455+03	40
<u>130</u>	Sta 536+53 - 537+21	26
520	TOTAL	

63100169 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARE

EACH	LOCATION
1	IL 84 Sta 433+85 - 434+22.5
1	Sta 434+72.5 - 435+10
1	Sta 434+50 - 434+87.5
1	Sta 438+37.5 - 438+75
1	Sta 435+40 - 435+77.5
1	Sta 439+52.5 - 439+90
1	Sta 439+51 - 439+88.5
<u>1</u>	Sta 440+13.5 - 440+51
8	TOTAL

40600990 TEMPORARY RAMP

SQ YD	LOCATION	Width, ft
31.7	IL 84 Sta 338+44	38
26.7	Sta 444+71	32
33.3	Sta 454+35	40
21.7	Sta 537+21	26
<u>80.0</u>	As Needed & Directed by the Resident	
193.3	TOTAL	

63200310 GUARDRAIL REMOVAL

FOOT	LOCATION
125	IL 84 Sta 433+85 - 435+10
425	Sta 434+50 - 438+75
450	Sta 435+40 - 439+90
<u>100</u>	Sta 439+51 - 440+51
1,100	TOTAL

44000158 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

SQ YD	LOCATION	Width, ft
12,091	IL 84 Sta 361+00 - 444+71	RT 13
650	Sta 479+42.5 - 483+92.5	RT 13
12,091	Sta 361+00 - 444+71	LT 13
<u>650</u>	Sta 479+42.5 - 483+92.5	LT 13
25,482	TOTAL	

63500105 DELINEATORS

EACH	LOCATION	(See Standard 635001 & Dist Std 37.4)
2	IL 84 Sta 433+85 - 435+10	RT
2	Sta 434+50 - 438+75	LT
2	Sta 435+40 - 439+90	RT
<u>2</u>	Sta 439+51 - 440+51	LT
8	TOTAL	

44300200 STRIP REFLECTIVE CRACK CONTROL TREATMENT

FOOT	LOCATION
16,562	IL 84 Sta 338+44 - 513+70
<u>16,562</u>	Sta 338+44 - 513+70
33,123	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.
308	103RS-3	JO DAVIESS	36	14
CONTRACT NO. 64K24				
ILLINOIS FED. AID PROJECT				

Schedule of Quantities

66700305 PERMANENT SURVEY MARKERS, TYPE 11

EACH LOCATION (See Dist Std 66.2)

6	IL 84
6	As Directed by the Resident and Chief of Surveys
6	TOTAL

70300100 SHORT TERM PAVEMENT MARKING

FOOT LOCATION (3 Applications - Tack Coat, LB, Surface)

3,198	IL 84
2,490	Sta 338+44 - 444+71 Mainline
204	Sta 454+35 - 513+25 Mainline
1,344	Sta 518+92 - 525+31 Right Turn Lane
204	Sta 525+31 - 536+53 Median @ 4 Stripes
624	Sta 526+32 - 537+54 Left Turn Lane
900	As Needed & Directed by the Resident (Shoulder Diagonals)
8,964	As Needed & Directed by the Resident (Arrows, Stop Bars, Contingency)
8,964	TOTAL

70300150 SHORT TERM PAVEMENT MARKING REMOVAL

SO FT LOCATION (Surface Removal Only of Short Term)

355.3	IL 84
276.7	Sta 338+44 - 444+71 Mainline
22.7	Sta 454+35 - 513+25 Mainline
149.3	Sta 518+92 - 525+31 Right Turn Lane
22.7	Sta 525+31 - 536+53 Median @ 4 Stripes
69.3	Sta 526+32 - 537+54 Left Turn Lane
100.0	As Needed & Directed by the Resident (Shoulder Diagonals)
996.0	As Needed & Directed by the Resident (Arrows, Stop Bars, Contingency)
996.0	TOTAL

72501000 TERMINAL MARKER - DIRECT APPLIED

EACH LOCATION (See Standard 725001)

2	IL 84
2	Sta 433+85 - 435+10 RT
2	Sta 434+50 - 438+75 LT
2	Sta 435+40 - 439+90 RT
2	Sta 439+51 - 440+51 LT
8	TOTAL

78000100 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

SO FT LOCATION (See Pavement Marking Sheets)

62.4	IL 84
62.4	Sta 521+75 - 524+88 4 Right Arrows
124.8	Sta 525+92 - 528+55 4 Left Arrows
124.8	TOTAL

78000200 THERMOPLASTIC PAVEMENT MARKING - LINE 4"

FOOT LOCATION (See Pavement Marking Sheets)
*See General Note to Call Kurt Glazier

4,792	IL 84
4,536	Sta 513+25 - 537+21 White Edge Lines
604	Sta 513+25 - 524+59 Yellow Island, Double Line *2
2,832	Sta 525+26 - 528+28 Yellow Island, Double Line
140	Sta 528+28 - 535+36 Yellow Island, Double Line *2
145	Sta 535+36 - 536+06 Yellow Island, Double Line
485	Sta 536+06 - 537+21 *No Pass SB w/ Skip Dash NB*
13,534	Sta 537+21 - 541+06 *No Pass SB w/ Skip Dash NB*
13,534	TOTAL

78000500 THERMOPLASTIC PAVEMENT MARKING - LINE 8"

FOOT LOCATION (See Pavement Marking Sheets)

70	IL 84
327	Sta 518+49 - 521+29 Trots, 35 Each, 2' long, 6' gap
280	Sta 521+29 - 524+56 Right turn lane to school
66	Sta 525+26 - 528+06 Left turn lane to school
743	Sta 528+06 - 530+86 Trots, 33 Each, 2' long, 6' gap
743	TOTAL

78000600 THERMOPLASTIC PAVEMENT MARKING - LINE 12"

FOOT LOCATION (See Pavement Marking Sheets)

600	IL 84
350	Sta 513+25 - 524+59 Island, 36 diagonals, 30' centers
950	Sta 528+28 - 535+96 Island, 23 diagonals, 30' centers
950	TOTAL

78000650 THERMOPLASTIC PAVEMENT MARKING - LINE 24"

FOOT LOCATION (See Pavement Marking Sheets)

35	IL 84
35	Stop Bar at High School Entrance
35	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.
308	103RS-3	JO DAVIESS	36	15
CONTRACT NO. 64K24				
ILLINOIS FED. AID PROJECT				

Schedule of Quantities

78001100 PAINT PAVEMENT MARKING - LINE 4"

FOOT	LOCATION	(2 Applications of Paint)		
	IL 84			<u>White Paint</u>
21,254	Sta 338+44	-	444+71	EOP (LT & RT)
13,650	Sta 445+00	-	513+25	EOP (LT & RT)
	IL 84			<u>Yellow Paint</u>
730	Sta 338+44	-	342+09	Double No Pass Zone
612	Sta 342+09	-	346+91	No Pass NB w/ Skip Dash SB
1,114	Sta 346+91	-	355+75	No Pass SB w/ Skip Dash NB
110	Sta 355+75	-	360+15	Skip Dash Only
1,345	Sta 360+15	-	370+90	No Pass NB w/ Skip Dash SB
4,336	Sta 370+90	-	392+58	Double No Pass Zone
1,312	Sta 392+58	-	403+00	No Pass SB w/ Skip Dash NB
170	Sta 403+00	-	409+75	Skip Dash Only
1,235	Sta 409+75	-	419+60	No Pass NB w/ Skip Dash SB
760	Sta 419+60	-	423+40	Double No Pass Zone
1,672	Sta 423+40	-	436+72	No Pass SB w/ Skip Dash NB
1,616	Sta 436+72	-	444+80	Double No Pass Zone
	Bridge Gap			
142	Sta 454+35	-	455+47	No Pass SB w/ Skip Dash NB
40	Sta 455+47	-	457+07	Skip Dash Only
1,423	Sta 457+07	-	468+40	No Pass NB w/ Skip Dash SB
8,970	Sta 468+40	-	513+25	Double No Pass Zone
<u>60,491</u>	SUB-TOTAL			
	X 2 applications			
<u>120,982</u>	TOTAL			

78100100 RAISED REFLECTIVE PAVEMENT MARKER

EACH	LOCATION	(See Standard 781001)		
	IL 84			
133	Sta 338+44	-	444+71	Two-way Amber - 80' o.c.
86	Sta 445+00	-	513+25	Two-way Amber - 80' o.c.
	Painted Island at River Ridge High School			
58	Sta 513+25	-	524+59	One-way Amber - 40' o.c. * 2
56	Sta 525+26	-	536+06	One-way Amber - 40' o.c. * 2
	Turn lanes at River Ridge High School			
9	Sta 521+29	-	524+56	One-way Crystal - 40' o.c.
8	Sta 525+26	-	528+06	One-way Crystal - 40' o.c.
<u>350</u>	TOTAL			

78200005 GUARDRAIL MARKERS, TYPE A

EACH	LOCATION	(See Standard 782006)		
	IL 84			
4	Sta 433+85	-	435+10	RT
6	Sta 434+50	-	438+75	LT
6	Sta 435+40	-	439+90	RT
4	Sta 439+51	-	440+51	LT
<u>20</u>	TOTAL			

78300200 RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

EACH	LOCATION	
	IL 84	
35	Sta 338+44	- 513+25
88	Sta 513+25	- 536+06
<u>123</u>	TOTAL	

2 lane section
High school painted island

X2800400 PERIMETER EROSION BARRIER, SPECIAL

FOOT	LOCATION	(See Dist Std 8.4)	
	IL 84		
200	Sta 437+50.0	-	439+50.0
<u>200</u>	TOTAL		

X6062700 CONCRETE GUTTER, TYPE A (SPECIAL)

FOOT	LOCATION	(See Dist Std 36.4)	
	IL 84		
250	Sta 338+44.0	-	339+12.0
400	Sta 385+00	-	396+85.0
575	Sta 420+95.0	-	433+40.0
275	Sta 361+25.0	-	377+00
100	Sta 385+00	-	394+30.0
50	Sta 405+17.0	-	409+25.0
50	Sta 414+46.0	-	419+40.0
<u>1,700</u>	TOTAL		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET	OF	SHEETS	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103RS-3	JO DAVIESS	36	16
CONTRACT NO. 64K24				
ILLINOIS			FED. AID PROJECT	

Schedule of Quantities

Z0004405 HOT-MIX ASPHALT SCARIFICATION

<u>SO YD</u>	<u>LOCATION</u>				<u>Width, FT</u>
	IL 84				
144	Sta 339+12 - 340+20	LT			12
3,005	Sta 340+20 - 361+00	LT			13
3,524	Sta 455+03 - 479+42.5	LT			13
4,301	Sta 483+92.5 - 513+70	LT			13
3,298	Sta 513+70 - 536+53	LT			13
144	Sta 339+12 - 340+20	RT			12
3,005	Sta 340+20 - 361+00	RT			13
3,524	Sta 455+03 - 479+42.5	RT			13
4,301	Sta 483+92.5 - 513+70	RT			13
2,258	Sta 513+70 - 521+75	RT			12 - 38.5
1,998	Sta 521+75 - 526+42	RT			38.5
1,496	Sta 526+42 - 531+50	RT			26.5
1,076	Sta 531+50 - 536+53	RT			26.5 - 12
	IL 84 - LT Shoulder				
137	Sta 338+89 - 340+20	LT			7
1,015	Sta 513+70 - 536+53	LT			4
	IL 84 - RT Shoulder				
137	Sta 338+89 - 340+20	RT			7
<u>1,016</u>	Sta 513+70 - 536+53	RT			4
34,379	TOTAL				

Z0033700 LONGITUDINAL JOINT SEALANT

<u>FOOT</u>	<u>LOCATION</u>	(See Written Special Provision)
	IL 84	
19,877	Sta 338+44.0 - 537+21.0	Center Line (Mainline)
2,281	Sta 513+25.0 - 536+06	Center Median/RT Turn Lane
<u>638</u>	Sta 518+49.0 - 524+87.0	LT Turn Lane
22,796	TOTAL	

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:		SHEET	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103RS-3	JO DAVIESS	36	17
CONTRACT NO. 64K24				
ILLINOIS FED. AID PROJECT				

HMA SCHEDULE

40600290 **40603310****40600525****40600627*** 48102100

Location	Remarks	Length Feet	Proposed Pavement Surface		Bituminous Materials (Tack Coat)	Hot-Mix Asphalt Surface Course Mix "C" , N50	Level Binder Hand Method N50	Level Binder Machine Method IL-9.5FG, N50	Aggregate Wedge Shoulders, Type B
			Width	Sq Yd	Pounds	Ton	Ton	Ton	Ton
IL 84 - RT Main Line									
Bridge over Duke Creek									
Sta 338 +44 - 339 +12	Butt Joint	68	12	91	61.2	7.6	0.1	5.1	5.9
Sta 339 +12 - 340 +20		108	12	143	96.8	12.1	0.2	8.0	9.3
Sta 340 +20 - 362 +16		2,196	13	3,172	2,141.1	266.4	4.2	177.6	190.1
Sta 362 +16 - 377 +31		1,515	13	2,188	1,477.1	183.8	2.9	122.5	
Sta 377 +31 - 385 +44		813	13	1,174	792.7	98.6	1.5	65.8	70.4
Sta 385 +44 - 397 +29		1,185	13	1,712	1,155.4	143.8	2.2	95.9	
Sta 397 +29 - 421 +40		2,411	13	3,483	2,350.7	292.5	4.6	195.0	208.7
Sta 421 +40 - 433 +92		1,252	13	1,808	1,220.7	151.9	2.4	101.3	
Sta 433 +92 - 444 +03		1,011	13	1,460	985.7	122.7	1.9	81.8	87.5
Sta 444 +03 - 444 +71		68	12	91	61.2	7.6	0.1	5.1	5.9
Paving Gap									
Sta 454 +35 - 455 +03	Butt Joint	68	12	91	61.2	7.6	0.1	5.1	5.9
Sta 455 +03 - 513 +70		5,867	13	8,475	5,720.3	711.9	11.1	474.6	507.8
Sta 513 +70 - 521 +75		805	12-38.5	2,258	1,524.5	189.7	1.5	126.5	69.7
Sta 521 +75 - 526 +42		467	38.5	1,998	1,348.5	167.8	0.9	111.9	40.4
Sta 526 +42 - 531 +50		508	26.5	1,496	1,009.7	125.6	1.0	83.8	44.0
Sta 531 +50 - 536 +53		503	26.5-12	1,076	726.2	90.4	1.0	60.2	43.5
Sta 536 +53 - 537 +21	Butt Joint	68	13	98	66.3	8.3	0.1	5.5	5.9
IL 84 - LT Main Line									
Bridge over Duke Creek									
Sta 338 +44 - 339 +12	Butt Joint	68	12	91	61.2	7.6	0.1	5.1	5.9
Sta 339 +12 - 340 +20		108	12	143	96.8	12.1	0.2	8.0	9.3
Sta 340 +20 - 362 +16		2,196	13	3,172	2,141.1	266.4	4.2	177.6	190.1
Sta 362 +16 - 377 +11		1,495	13	2,159	1,457.6	181.4	2.8	120.9	
Sta 377 +11 - 385 +44		833	13	1,203	812.2	101.1	1.6	67.4	72.1
Sta 385 +44 - 394 +69		925	13	1,336	901.9	112.2	1.8	74.8	
Sta 394 +69 - 405 +70		1,101	13	1,590	1,073.5	133.6	2.1	89.1	95.3
Sta 405 +70 - 409 +75		405	13	585	394.9	49.1	0.8	32.8	
Sta 409 +75 - 414 +97		522	13	754	509.0	63.3	1.0	42.2	45.2
Sta 414 +97 - 419 +60		463	13	669	451.4	56.2	0.9	37.5	
Sta 419 +60 - 444 +03		2,443	13	3,529	2,381.9	296.4	4.6	197.6	211.5
Sta 444 +03 - 444 +71		68	12	91	61.2	7.6	0.1	5.1	5.9
Paving Gap									
Sta 454 +35 - 455 +03	Butt Joint	68	12	91	61.2	7.6	0.1	5.1	5.9
Sta 455 +03 - 480 +35		2,532	13	3,657	2,468.7	307.2	4.8	204.8	219.2
Sta 480 +35 - 482 +85		250	13	361	243.8	30.3	0.5	20.2	
Sta 482 +85 - 513 +70		3,085	13	4,456	3,007.9	374.3	5.8	249.5	267.0
Sta 513 +70 - 536 +53		2,283	12	3,044	2,054.7	255.7	4.3	170.5	197.6
Sta 536 +53 - 537 +21	Butt Joint	68	13	98	66.3	8.3	0.1	5.5	5.9
TOTAL		18,912.6		57,843.7	39,044.5	4,858.9	71.6	3,239.2	2,625.7

**Bituminous Materials (Tack Coat) Rate of Application = 0.05 Lb / Sq Ft on Existing HMA, 0.025 Lb / Sq Ft Between Lifts

***Hot-Mix Asphalt Rate of Application = 112 Lbs / Sq Yd / in

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HMA SCHEDULE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103RS-3	JO DAVIESS	36	18
CONTRACT NO. 64K24				
		ILLINOIS	FED. AID PROJECT	

HMA SCHEDULE

40600290 *40603310***

Location	Length		Proposed Shoulder Surface		Bituminous Materials (Tack Coat)	Hot-Mix Asphalt Surface Course, Mix "C", N50
	Feet	Width	Sq Yd	Pounds	Ton	
IL 84 - RT Shoulder						
Bridge over Duke Creek						
Sta 338 + 44 - 339 + 12	68	7	53	23.8	7.4	
Sta 339 + 12 - 340 + 20	108	7	84	37.7	11.7	
Sta 340 + 20 - 362 + 16	2,196	0	0	0.0	0.0	
Sta 362 + 16 - 377 + 31	1,515	0	0	0.0	0.0	
Sta 377 + 31 - 385 + 44	813	0	0	0.0	0.0	
Sta 385 + 44 - 397 + 29	1,185	0	0	0.0	0.0	
Sta 397 + 29 - 421 + 40	2,411	0	0	0.0	0.0	
Sta 421 + 40 - 433 + 92	1,252	0	0	0.0	0.0	
Sta 433 + 92 - 444 + 3	1,011	0	0	0.0	0.0	
Sta 444 + 3 - 444 + 71	68	4	30	13.6	4.2	
Paving Gap						
Sta 454 + 35 - 455 + 3	68	4	30	13.6	4.2	
Sta 455 + 3 - 513 + 70	5,867	0	0	0.0	0.0	
Sta 513 + 70 - 521 + 75	805	4	358	161.0	50.1	
Sta 521 + 75 - 526 + 42	467	4	208	93.4	29.1	
Sta 526 + 42 - 531 + 50	508	4	226	101.6	31.6	
Sta 531 + 50 - 536 + 53	503	4	224	100.6	31.3	
Sta 536 + 53 - 537 + 21	68	0	0	0.0	0.0	
IL 84 - LT Shoulder						
Bridge over Duke Creek						
Sta 338 + 44 - 339 + 12	68	7	53	23.8	7.4	
Sta 339 + 12 - 340 + 20	108	7	84	37.7	11.7	
Sta 340 + 20 - 362 + 16	2,196	0	0	0.0	0.0	
Sta 362 + 16 - 377 + 11	1,495	0	0	0.0	0.0	
Sta 377 + 11 - 385 + 44	833	0	0	0.0	0.0	
Sta 385 + 44 - 394 + 69	925	0	0	0.0	0.0	
Sta 394 + 69 - 405 + 70	1,101	0	0	0.0	0.0	
Sta 405 + 70 - 409 + 75	405	0	0	0.0	0.0	
Sta 409 + 75 - 414 + 97	522	0	0	0.0	0.0	
Sta 414 + 97 - 419 + 60	463	0	0	0.0	0.0	
Sta 419 + 60 - 444 + 3	2,443	0	0	0.0	0.0	
Sta 444 + 3 - 444 + 71	68	4	30	13.6	4.2	
Paving Gap						
Sta 454 + 35 - 455 + 3	68	12	91	40.8	12.7	
Sta 455 + 3 - 480 + 35	2,532	0	0	0.0	0.0	
Sta 480 + 35 - 482 + 85	250	0	0	0.0	0.0	
Sta 482 + 85 - 513 + 70	3,085	0	0	0.0	0.0	
Sta 513 + 70 - 536 + 53	2,283	4	1015	456.6	142.1	
Sta 536 + 53 - 537 + 21	68	0	0	0.0	0.0	
TOTAL	18,912.6		2,483.8	1,117.7	347.7	

**Bituminous Materials (Tack Coat) Rate of Application = 0.05 Lb / Sq Ft on Existing HMA, 0.025 Lb / Sq Ft Between Lifts
 ***Hot-Mix Asphalt Rate of Application = 112 Lbs / Sq Yd / in

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		DRAWN -	REVISED -										
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -							103RS-3	JO DAVIESS	36	19
	PLOT DATE = 1/12/2018	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 64K24
												ILLINOIS FED. AID PROJECT	

IL 84 ENTRANCES / SIDEROADS

STATION	REMARKS	OPENING	RUN	ENTRANCE	DISTANCE	FINAL	HMA	40600982	40600990	35101400	***40800050***	40600290**	48102100
		@ EOP FT	LENGTH FT	WIDTH FT	BEYOND THROAT	WIDTH FT	AREA SQ YD	HMA SQ YD	TEMPORARY RAMP SQ YD	AGGREGATE BASE CS, TY B TON	INCIDENTAL HMA SURFACING TON	BIT MAT (TACK COAT) POUND	AGG WEDGE SHLDR, TY B TON
IL 84	RT - NB Lane												
338 + 70	FE - RT	41	12	21	22	20	91.4				14.1	41.2	2.1
340 + 32	FE - RT	40	20	20			66.7				10.3	30.0	1.2
341 + 62	PE w/ MB - RT	31	10	15	16	12	73.9				11.4	33.2	1.6
361 + 00	FE - RT	32	5	28			16.7				2.6	7.5	0.3
366 + 25	FE - RT (Type A gutter)												
390 + 10	PE - RT (Type A gutter)												
404 + 50	FE - RT	25	3	20			7.5				1.2	3.4	0.2
414 + 14	MB Turnout- RT	92	5	26			32.8				5.0	14.8	0.3
420 + 79	PE w/ MB - RT	87	4	25	40	18	120.4				18.5	54.2	2.7
436 + 32	FE - RT	32	8	16			21.3				3.3	9.6	0.5
440 + 67	FE - RT	32	12	26			38.7				6.0	17.4	0.7
440 + 80	MB Turnout- RT - NEW	110	6	20			43.3			24.5	8.2	19.5	0.4
480 + 15	MB Turnout- RT	85	6	25			36.7				5.6	16.5	0.4
484 + 05	FE - RT	25	4	20			10.0				1.5	4.5	0.2
494 + 41	Sideroad/PE - RT	95	15	40	34	16	218.3	17.8	13.3		33.6	98.2	3.0
496 + 16	MB Turnout- RT	85	6	25			36.7				5.6	16.5	0.4
502 + 86	PE w/ MB - RT	55	15	38	30	16	187.7				28.9	84.5	2.8
509 + 90	MB Turnout- RT - NEW	110	6	20			43.3			24.5	8.2	19.5	0.4
525 + 31	CE - River Ridge - RT	135	16	82			192.9	192.9	68.3		29.7	86.8	1.0
SUBTOTAL RT								210.7	81.7	49.0	193.7	557.2	18.3
IL 84	LT - SB Lane												
341 + 40	FE - LT	28	2	25			5.9				0.9	2.7	0.1
360 + 56	FE - LT	27	2	24			5.7				0.9	2.6	0.1
374 + 66	PE - LT (Type A gutter)												
386 + 00	FE - LT (Type A gutter)												
394 + 07	FE - LT (Type A gutter)												
403 + 70	FE - LT	35	2	32			7.4				1.1	3.4	0.1
414 + 14	PE - LT	54	25	18			100.0				15.4	45.0	1.6
438 + 87	Saw Mill Road	88	35	26	35	26	322.8	28.9	21.7		49.7	145.3	4.3
440 + 75	PE - LT	30	2	28	35	14	88.1				13.6	39.7	2.3
460 + 70	FE - LT	28	2	26			6.0				0.9	2.7	0.1
480 + 15	PE - LT	44	12	20	15	15	71.8				11.1	32.3	1.7
496 + 16	PE - LT	52	18	20	18	16	108.0				16.6	48.6	2.2
505 + 67	FE - LT	32	2	30			6.9				1.1	3.1	0.1
510 + 10	PE - LT	43	15	18	22	14	89.9				13.9	40.5	2.3
515 + 20	FE - LT (Agg only)	30	4										0.2
520 + 85	FE - LT (Agg only)	30	4										0.2
535 + 50	FE - LT (Agg only)	30	4										0.2
SUBTOTAL LT								28.9	21.7	0.0	125.1	365.7	15.7
GRAND TOTAL								239.6	103.3	49.0	318.9	922.9	34.0

**Bituminous Materials (Tack Coat) Rate of Application = 0.05 Lb / Sq Ft on Existing HMA, 0.025 Lb / Sq Ft Between Lifts

***Hot-Mix Asphalt Rate of Application = 112 Lbs / Sq Yd / in

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USER NAME = ankeyde	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 84 ENTRANCES /SIDEROADS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN -	REVISED -					103RS-3	JO DAVIESS	36	20
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 64K24					
PLOT DATE = 1/12/2018	DATE -	REVISED -			SCALE:		SHEET	OF	SHEETS	STA.

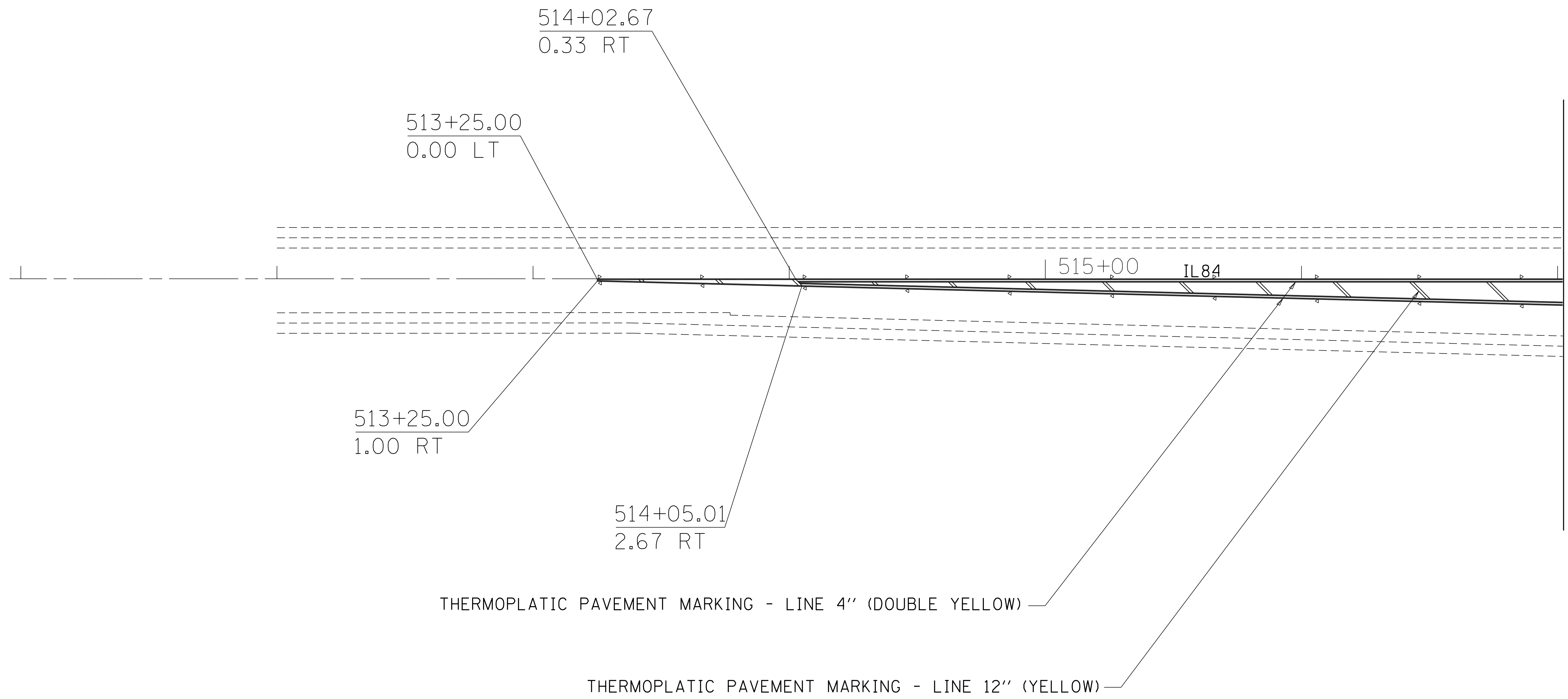
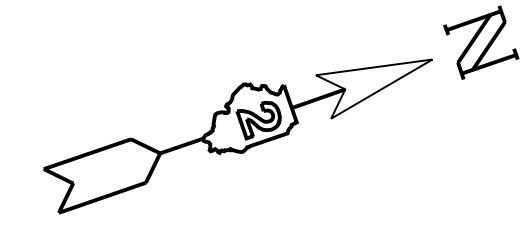
ILLINOIS FED. AID PROJECT

PATCHING SCHEDULE

12-13 FOOT LANE WIDTH				44002232		40601005		
STATION	REMARKS	LENGTH OF PATCH		HMA REMOVAL OVER PATCHES, 8"		HMA REPLACEMENT OVER PATCHES		
		LT (FOOT)	RT (FOOT)	LT (SQ YD)	RT (SQ YD)	LT (TON)	RT (TON)	
IL 84								
366 + 76	Within Gutter Full lane		15		20.0		9.0	
367 + 96	Outside 1/2 of lane		20		13.3		6.0	
374 + 89	Outside 1/2 of lane		120		80.0		35.8	
375 + 58	Outside 1/2 of lane	280		186.7		83.6		
375 + 92	Outside 1/2 of lane		25		16.7		7.5	
376 + 70	Outside 1/2 of lane		80		53.3		23.9	
378 + 20	Outside 1/2 of lane	55		36.7		16.4		
387 + 94	Outside 1/2 of lane	70		46.7		20.9		
390 + 30	Outside 1/2 of lane		35		23.3		10.5	
395 + 65	Outside 1/2 of lane	255		170.0		76.2		
403 + 70	Outside 1/2 of lane	25		16.7		7.5		
404 + 90	Over AR Culvt whol	25	25	36.1	36.1	16.2	16.2	
406 + 35	Outside 1/2 of lane	85		56.7		25.4		
408 + 18	Outside 1/2 of lane	40		26.7		11.9		
414 + 10	Outside 1/2 of lane	40		26.7		11.9		
416 + 20	Full lane		15		21.7		9.7	
417 + 50	Full lane		25		36.1		16.2	
419 + 95	Outside 1/2 of lane		35		23.3		10.5	
428 + 12	Outside 1/2 of lane		145		96.7		43.3	
430 + 18	Outside 1/2 of lane		52		34.7		15.5	
SUBTOTALS					602.8	455.2	270.0	203.9
GRAND TOTAL					1,058.0		474.0	

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		DRAWN -	REVISED -										
	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -										
	PLOT DATE = 1/12/2018	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	
								ILLINOIS		FED. AID PROJECT			
								308		103RS-3		JO DAVIESS 36 21	
								CONTRACT NO. 64K24					



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

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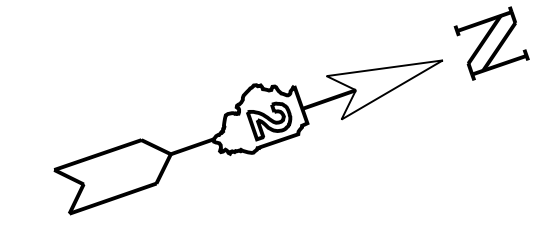
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PLOT DATE = Jan-25-2018 06:48:18 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE. 308	SECTION 103RS-3	COUNTY JO DAVIESS	TOTAL SHEETS 36	SHEET NO. 22
ILLINOIS			FED. AID PROJECT	

MATCH LINE STA. 517+00



MATCH LINE STA. 517+00

MATCH LINE STA. 523+00

IL84 | 520+00

518+45.00
14.00 RT

518+49.00
26.68 RT

THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)

THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)

THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)

521+29.00
26.67 RT

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

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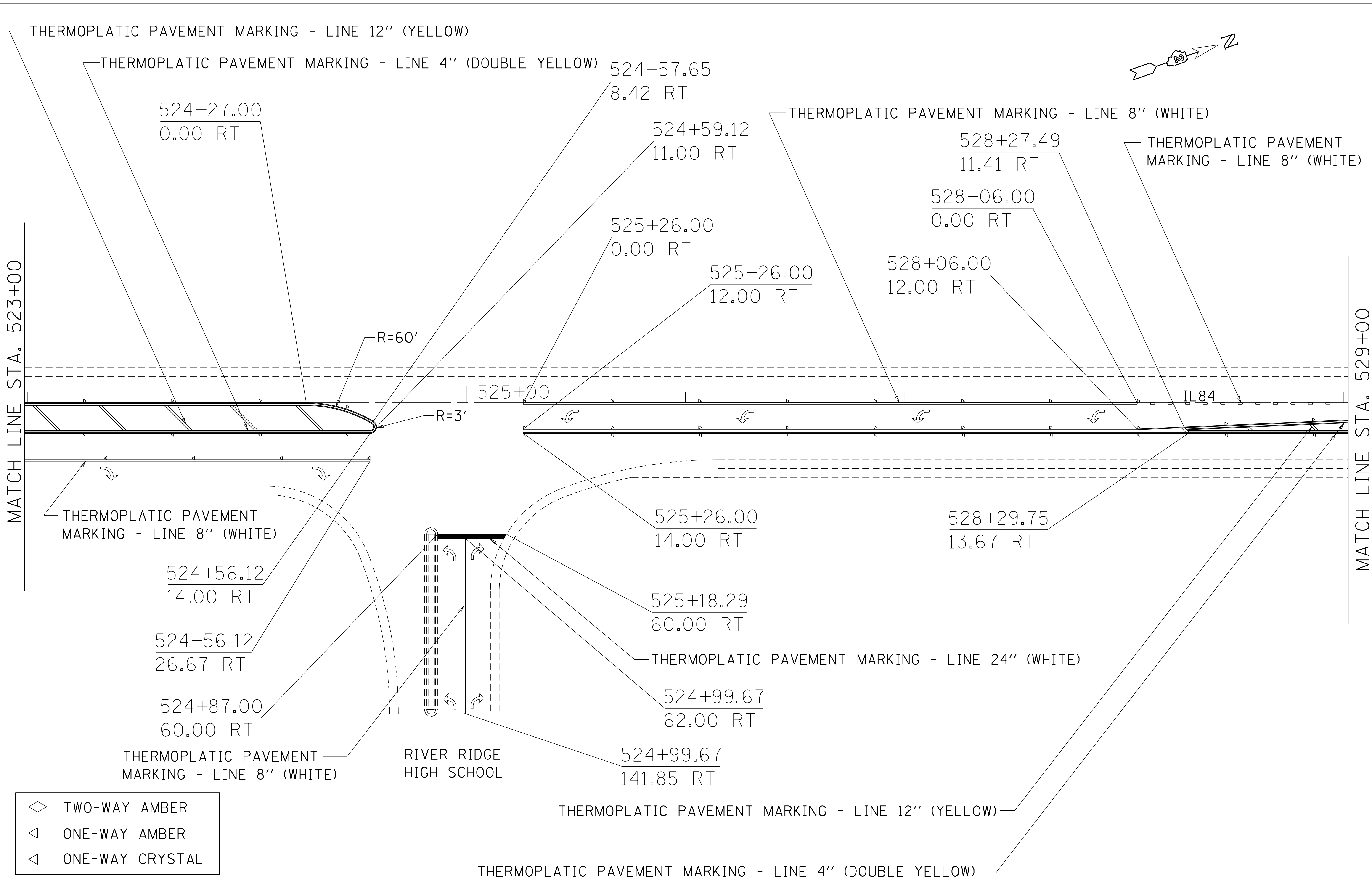
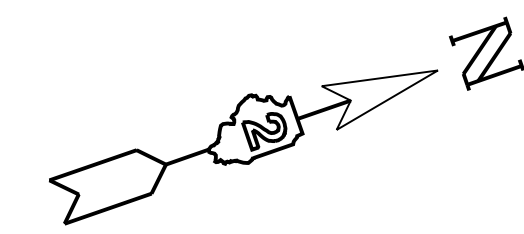
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PLOT DATE = Jan-25-2018 06:48:19 AM	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING

SCALE: SHEET OF SHEETS STA. TO STA.

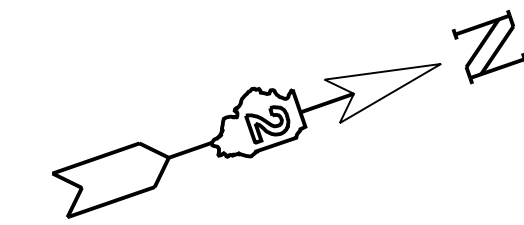
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103RS-3	JO DAVIESS	36	23
CONTRACT NO. 64K24				
ILLINOIS FED. AID PROJECT				



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

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	PLOT DATE = Jan-25-2018 06:48:19 AM	CHECKED -	REVISED -		CONTRACT NO. 64K24			ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



MATCH LINE STA. 529+00

MATCH LINE STA. 535+00

THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)

530+70.00
0.01 LT

530+86.00
0.00 RT

530+00

IL 84

530+86.00
14.00 RT

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)

THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW)

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

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DRAWN -	REVISOR -	
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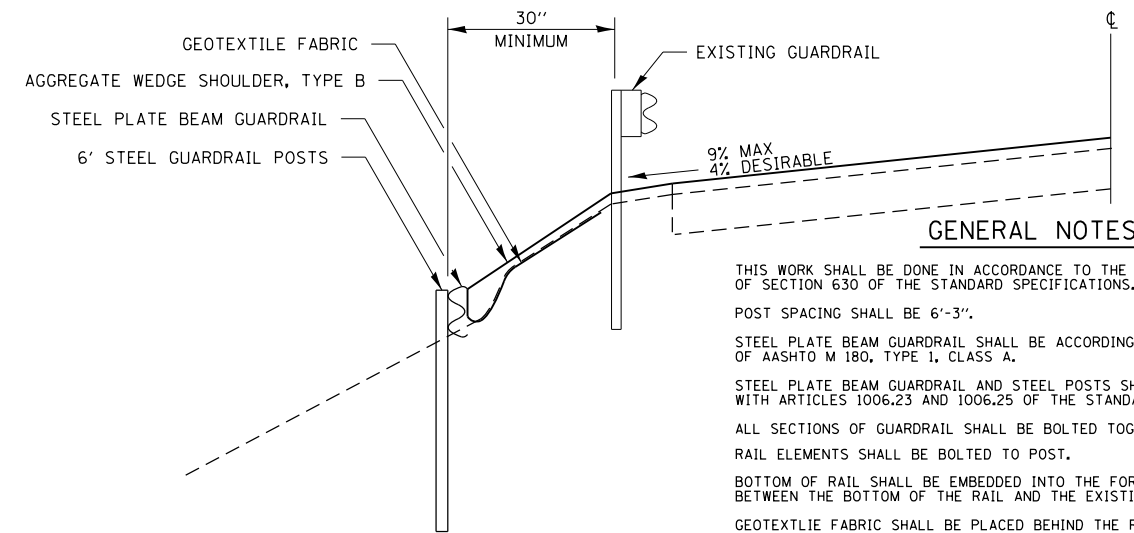
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103RS-3	JO DAVIESS	36	25
CONTRACT NO. 64K24				
ILLINOIS FED. AID PROJECT				

PERIMETER EROSION BARRIER, SPECIAL



GENERAL NOTES

THIS WORK SHALL BE DONE IN ACCORDANCE TO THE APPLICABLE PORTIONS OF SECTION 630 OF THE STANDARD SPECIFICATIONS.

POST SPACING SHALL BE 6'-3".

STEEL PLATE BEAM GUARDRAIL SHALL BE ACCORDING TO THE REQUIREMENTS OF AASHTO M 180, TYPE 1, CLASS A.

STEEL PLATE BEAM GUARDRAIL AND STEEL POSTS SHALL BE IN ACCORDANCE WITH ARTICLES 1006.23 AND 1006.25 OF THE STANDARD SPECIFICATIONS.

ALL SECTIONS OF GUARDRAIL SHALL BE BOLTED TOGETHER.

RAIL ELEMENTS SHALL BE BOLTED TO POST.

BOTTOM OF RAIL SHALL BE EMBEDDED INTO THE FORESLOPE UNTIL NO GAP EXISTS BETWEEN THE BOTTOM OF THE RAIL AND THE EXISTING GROUND.

GEOTEXTILE FABRIC SHALL BE PLACED BEHIND THE RAIL ELEMENT AND ON THE GROUND BEHIND THE EXISTING GUARDRAIL BEFORE PLACING THE AGGREGATE WEDGE SHOULDERS. THE INSTALLATION AND MATERIAL FOR GEOTEXTILE FABRIC SHALL BE ACCORDING TO SECTION 210 OF THE STANDARD SPECIFICATIONS.

AT LOCATIONS WHERE THERE ARE GAPS UNDER THE RAIL ANOTHER RAIL ELEMENT SHALL BE PLACED BELOW THE FIRST RAIL AND BOLTED TO IT. THE ADDITIONAL RAIL ELEMENTS WILL BE PAID AT THE CONTRACT UNIT PRICE PER FOOT FOR STEEL PLATE BEAM GUARD RAIL, TYPE A (SPECIAL).

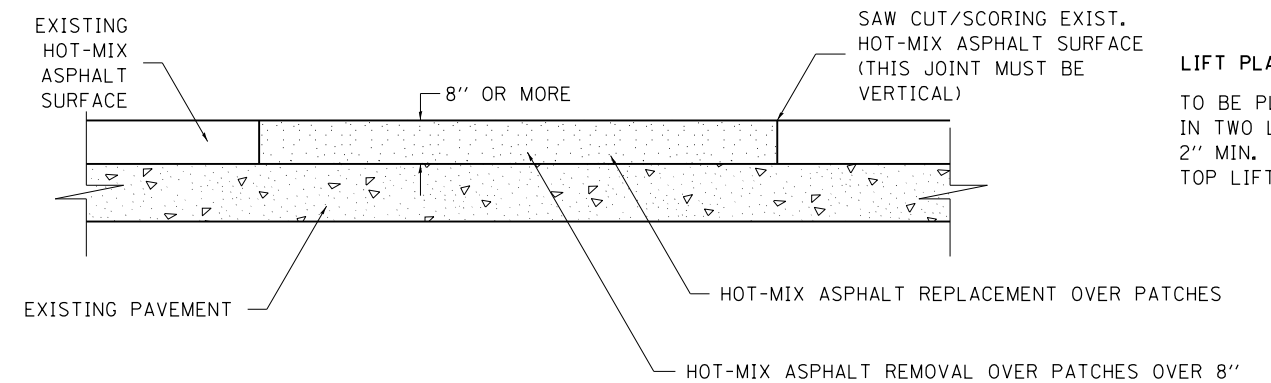
STEEL PLATE BEAM GUARDRAIL, 6' STEEL GUARDRAIL POSTS, AND GEOTEXTILE FABRIC SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR PERIMETER EROSION BARRIER, SPECIAL.

AGGREGATE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE WEDGE SHOULDER, TYPE B.

REVISED - 1-05-16
REVISED - 9-16-11

PERIMETER EROSION BARRIER, SPECIAL 8.4

PAVEMENT PATCHING DETAIL



LIFT PLACEMENT:
TO BE PLACED
IN TWO LIFTS WITH
2" MIN. COMPACTED
TOP LIFT.

SEQUENCE OF CONSTRUCTION:

1. REMOVE THE EXISTING HOT-MIX ASPHALT SURFACE.
2. REPLACE HOT-MIX ASPHALT SURFACE.

GENERAL NOTES:

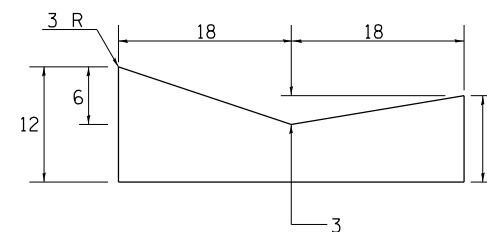
1. FOR BASIS OF PAYMENT: SEE THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

PAVEMENT PATCHING DETAIL 33.4

CONCRETE GUTTER, TYPE A (SPECIAL)



NOTES:

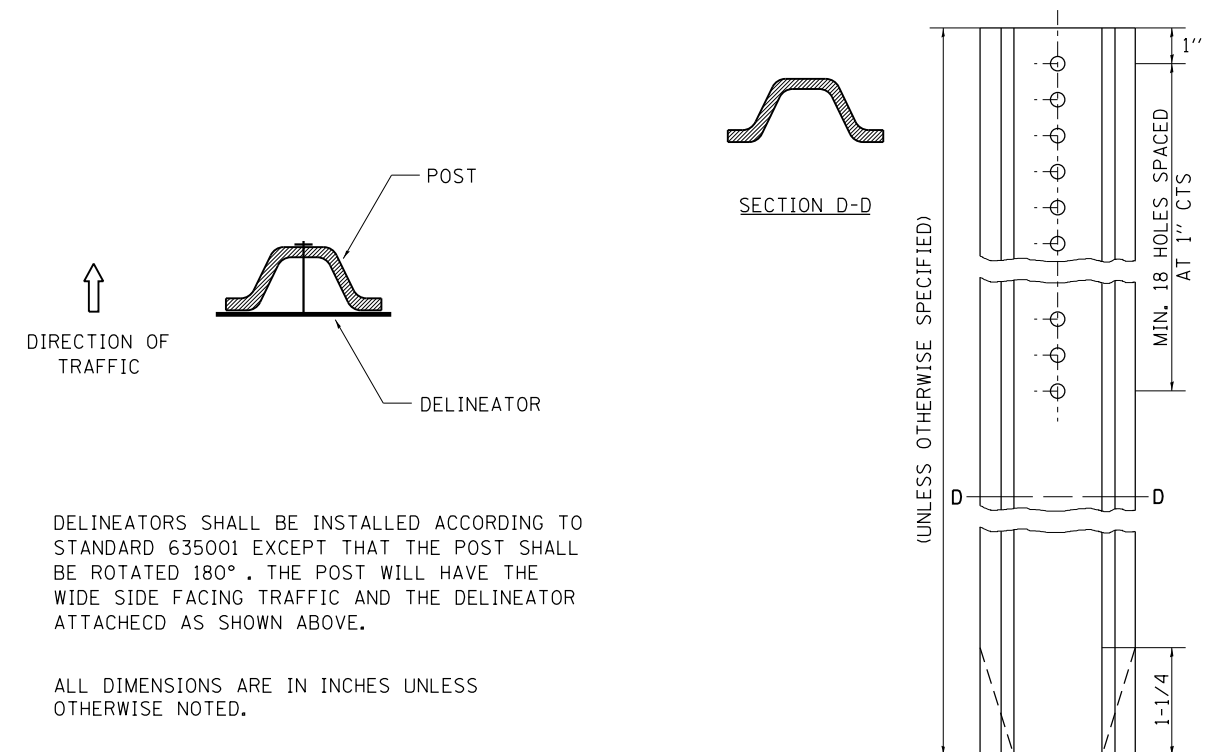
THIS WORK SHALL BE DONE IN ACCORDANCE WITH THIS DETAIL AND STANDARD 606101 THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR CONCRETE GUTTER, TYPE A (SPECIAL).

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

CONCRETE GUTTER, TYPE A (SPECIAL) 36.4

DELINEATOR AND POST ORIENTATION



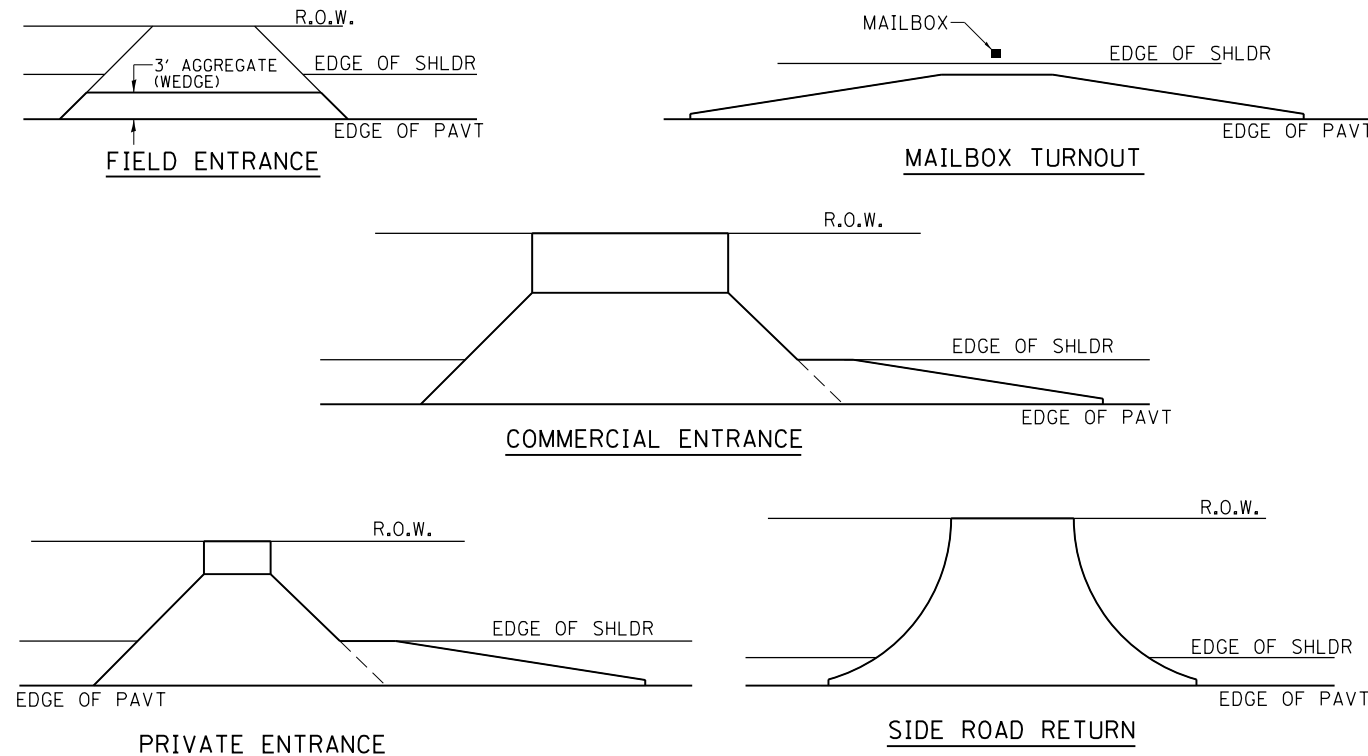
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -			308	103RS-3	JO DAVIESS	36	27
REVISED -					CONTRACT NO. 64K24		
REVISED -	SCALE: 100.0000' / 1"	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DELINEATOR AND POST ORIENTATION 37.4

HOT-MIX ASPHALT APPROACHES & MAILBOX RETURNS FOR TWO LIFT (3P) RESURFACING PROJECTS

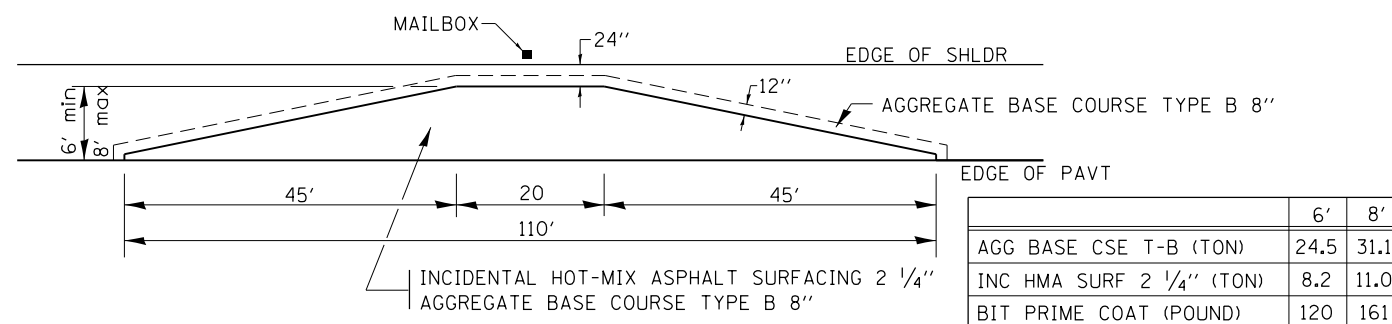


NOTE: EXISTING HMA PE's, CE's, SR's, & MB TURNOUTS
Place 2 1/4" Incidental Hot-Mix Asphalt Surfacing on entrance to conform to the existing configuration.

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.

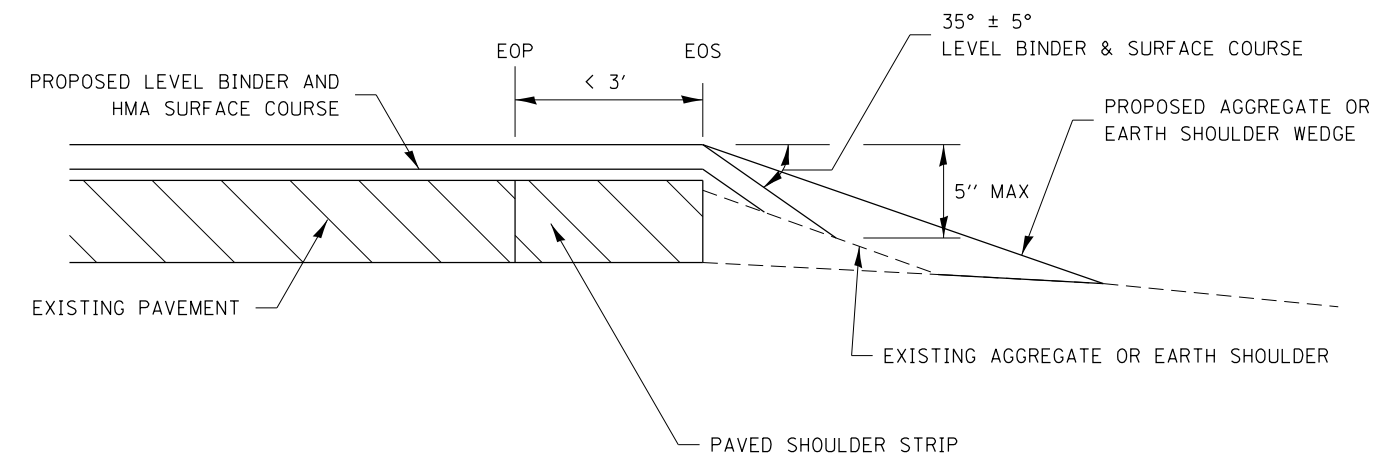
EXISTING AGG. MAILBOX TURNOUTS
Existing Agg. Mailbox Turnouts shall be constructed as shown below.



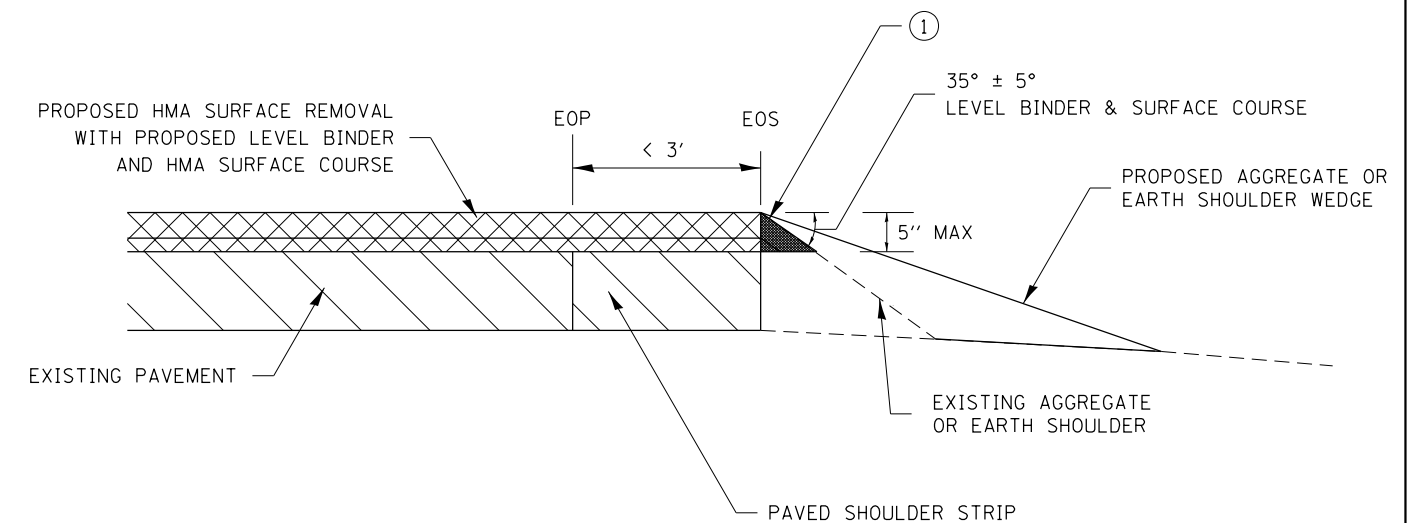
	6'	8'
AGG BASE CSE T-B (TON)	24.5	31.1
INC HMA SURF 2 1/4" (TON)	8.2	11.0
BIT PRIME COAT (POUND)	120	161

REVISED - 1-05-16
REVISED - 7-21-15
REVISED - 6-27-14
REVISED - 10-21-08

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.

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.

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

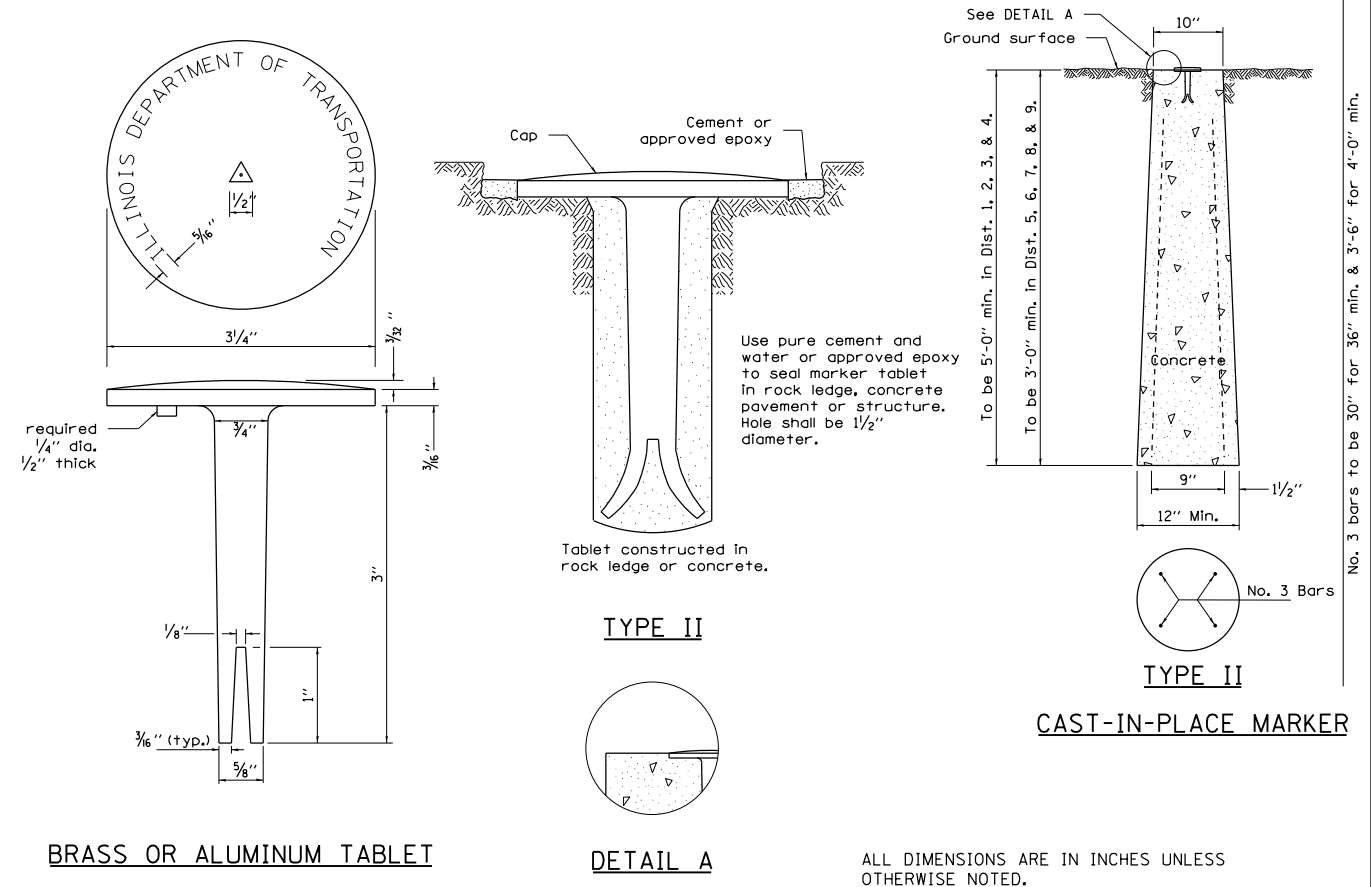
REVISED - 1-05-16
REVISED - 10-11-13
REVISED -
REVISED -

REGION 2 / DISTRICT 2 STANDARD

SCALE: 100.0000' / 1" SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
308	103R5-3	JO DAVIESS	36	28
CONTRACT NO. 64K24				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PERMANENT SURVEY MARKERS, TYPE II

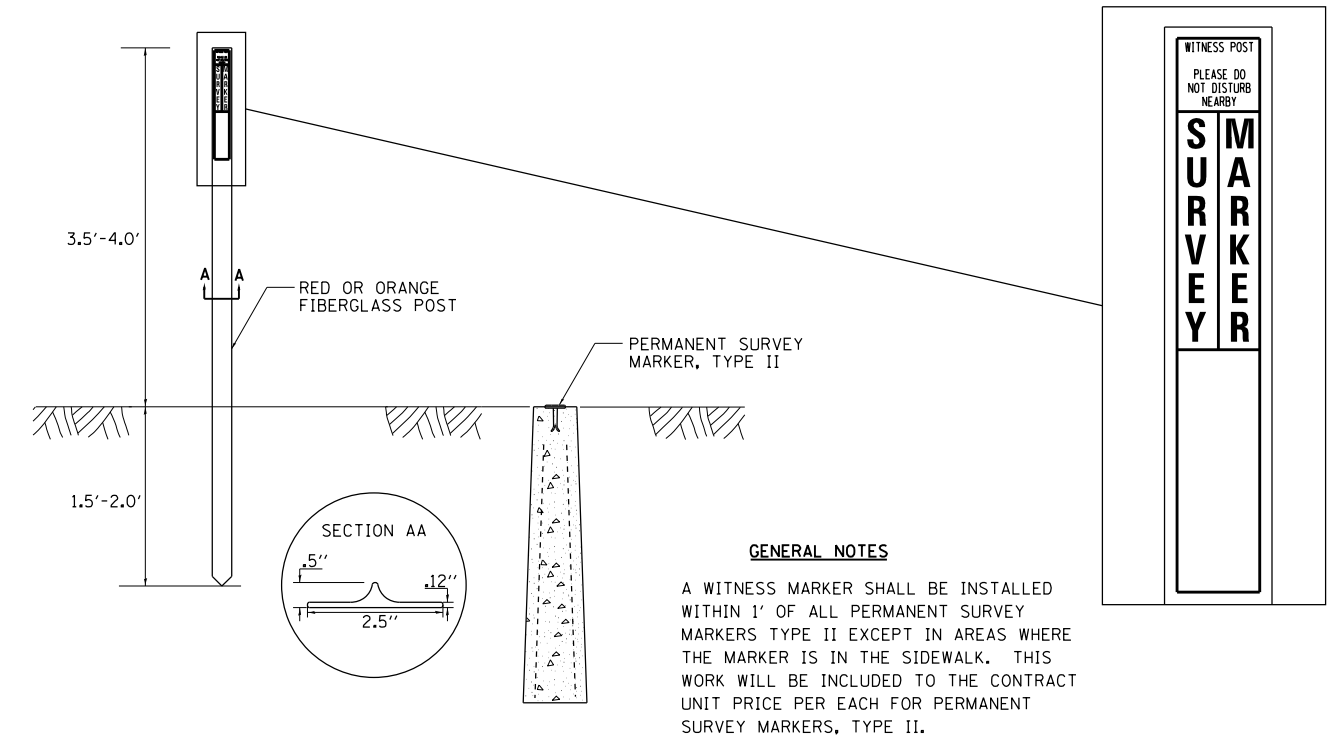


BRASS OR ALUMINUM TABLET

DETAIL A

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

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.

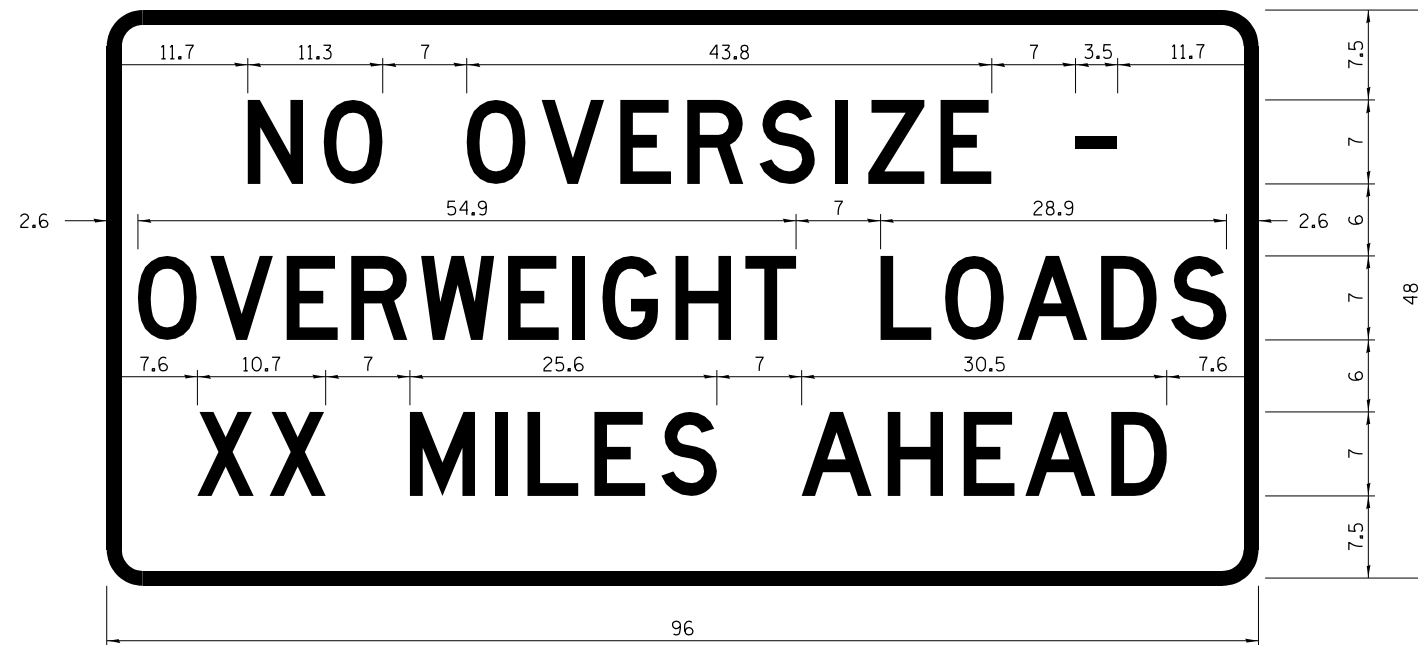
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REVISED -						36	29	CONTRACT NO. 64K24
REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

PLOT DATE = 1/12/2018

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS

STOP LINE SIGN FOR TEMPORARY SIGNALS



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

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

Permit Loads - Loads Over 13 Feet; 3.0" Radius, 1.3" Border;
 [NO OVERSIZE -] D; [OVERWEIGHT LOADS] D 85% spacing; [XX MILES AHEAD] D;
 Table of letter and object lefts.

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

N	O	O	V	E	R	S	I	Z	E	-
11.7	18.1	30.0	36.2	42.8	48.4	54.4	60.7	63.5	69.5	80.8

O	V	E	R	W	E	I	G	H	T	L	O	A	D	S
2.6	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7

X	X	M	I	L	E	S	A	H	E	A	D
7.6	13.6	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	76.6	83.7

Sign not to scale

Sign not to scale

GENERAL NOTES

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

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

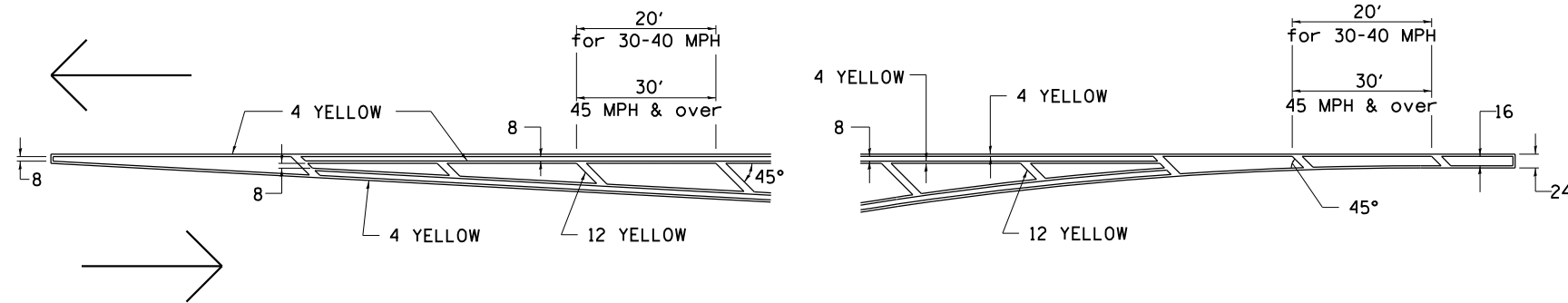
Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

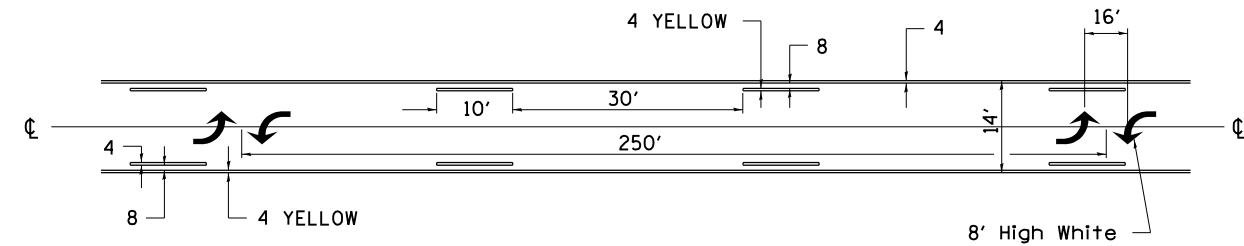
FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 3-02-16	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\0204414\Drawings\0204414-shd-detail.dwg	DRAWN	REVISED -	REVISED -			308	103R5-3	JO DAVIESS	36	32
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 64K24				
PLOT DATE = 1/12/2018	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

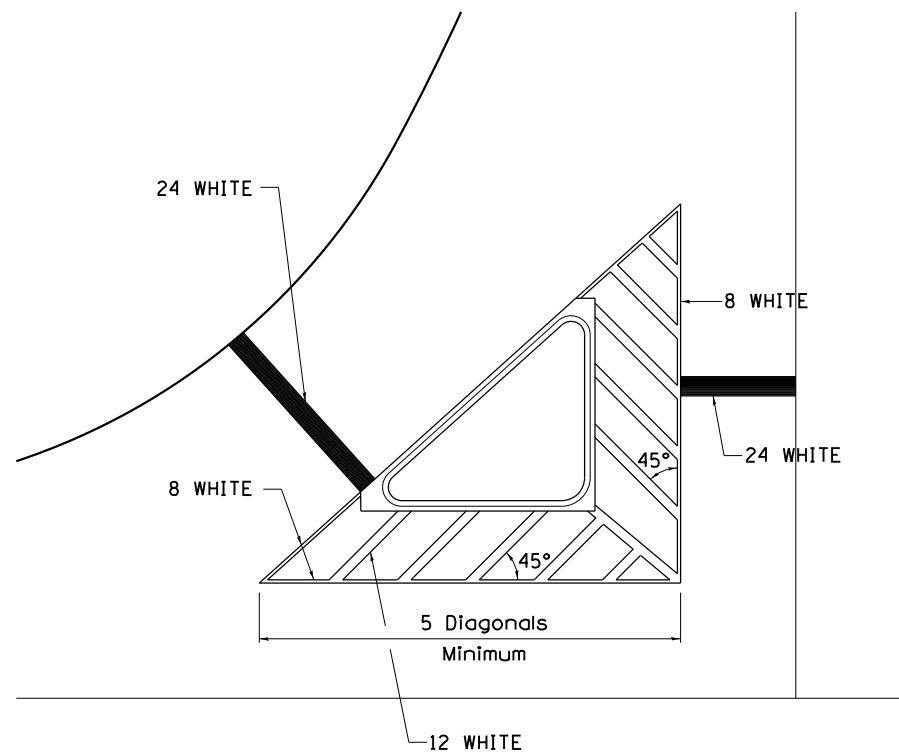


MEDIAN PAVEMENT MARKING



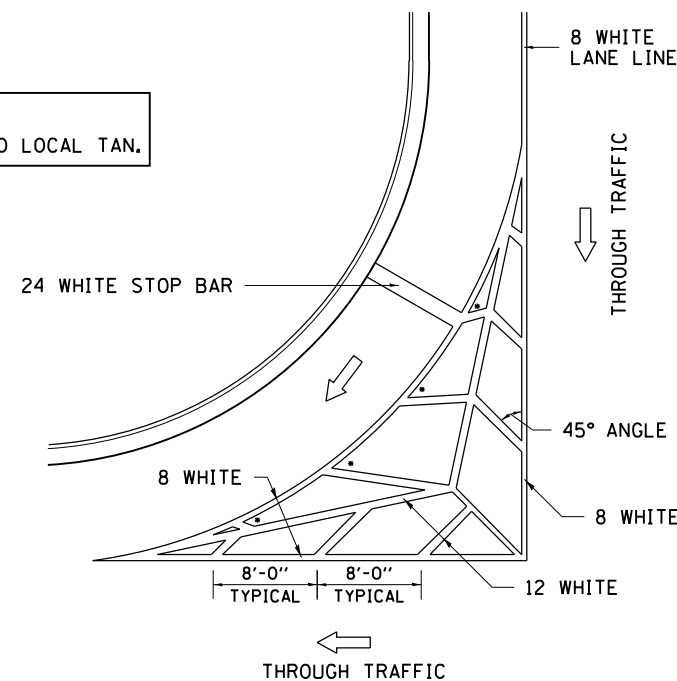
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



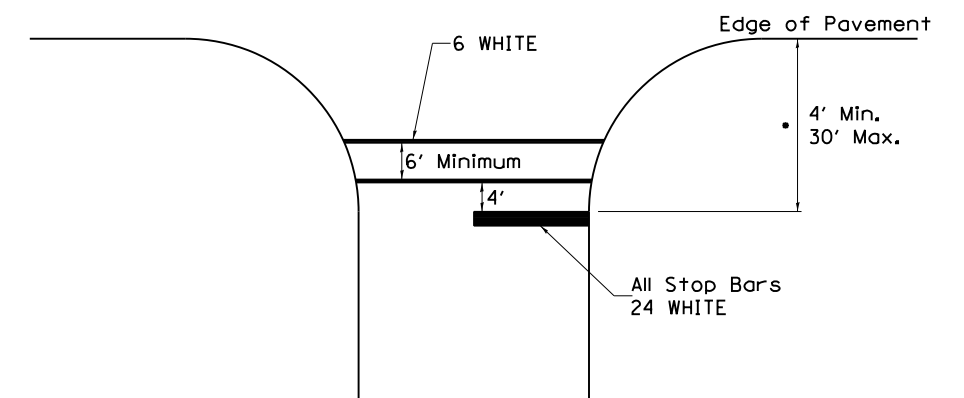
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations

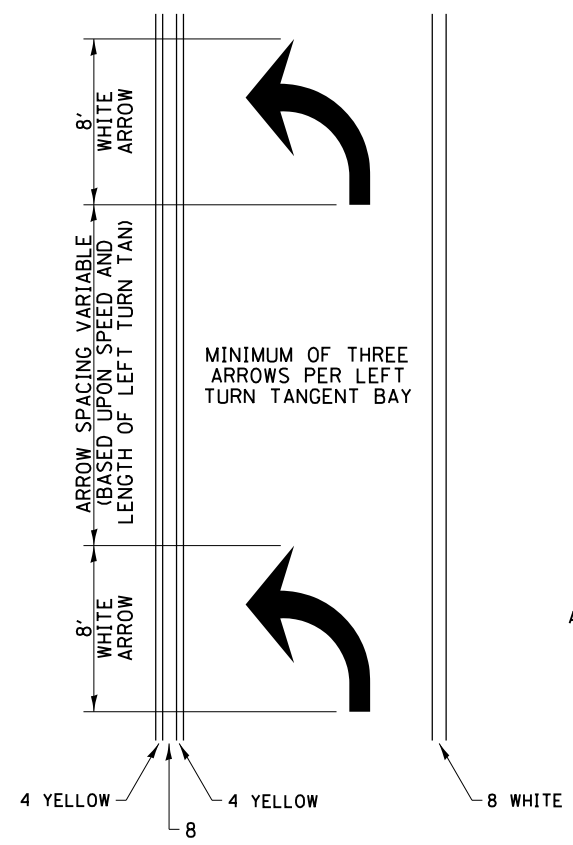


• Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = ankneyde	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.
pw\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\0204414-11084EBIDINTEG\Drawings\0204414-11084EBIDINTEG\0204414-11084EBIDINTEG.dwg	PLotted SCALE = 100.0000' / in.	CHECKED -	REVISED - 3-05-12					308	103RS-3	JO DAVIESS	36	34
PLotted DATE = 1/12/2018	DATE -	REVISED -	REVISED -		CONTRACT NO. 64K24							
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

TYPICAL PAVEMENT MARKINGS

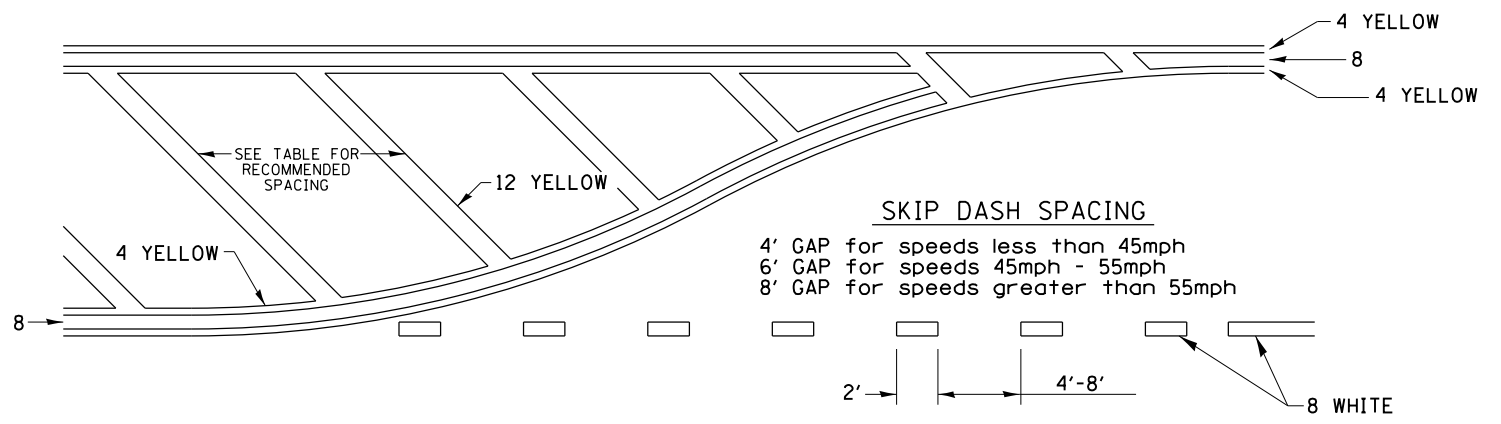
ARROW LAYOUT



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

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

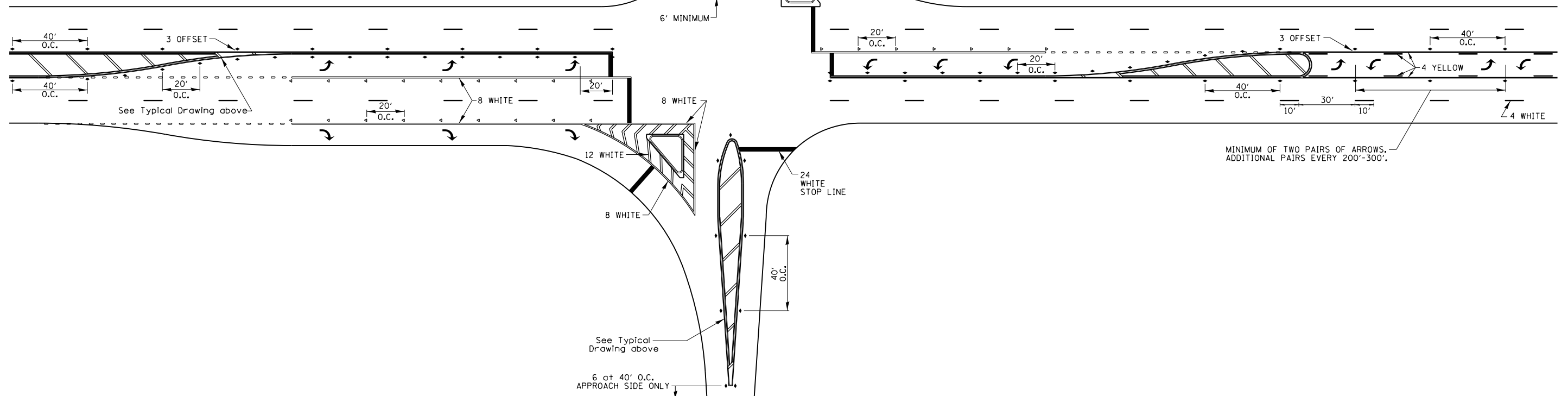
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

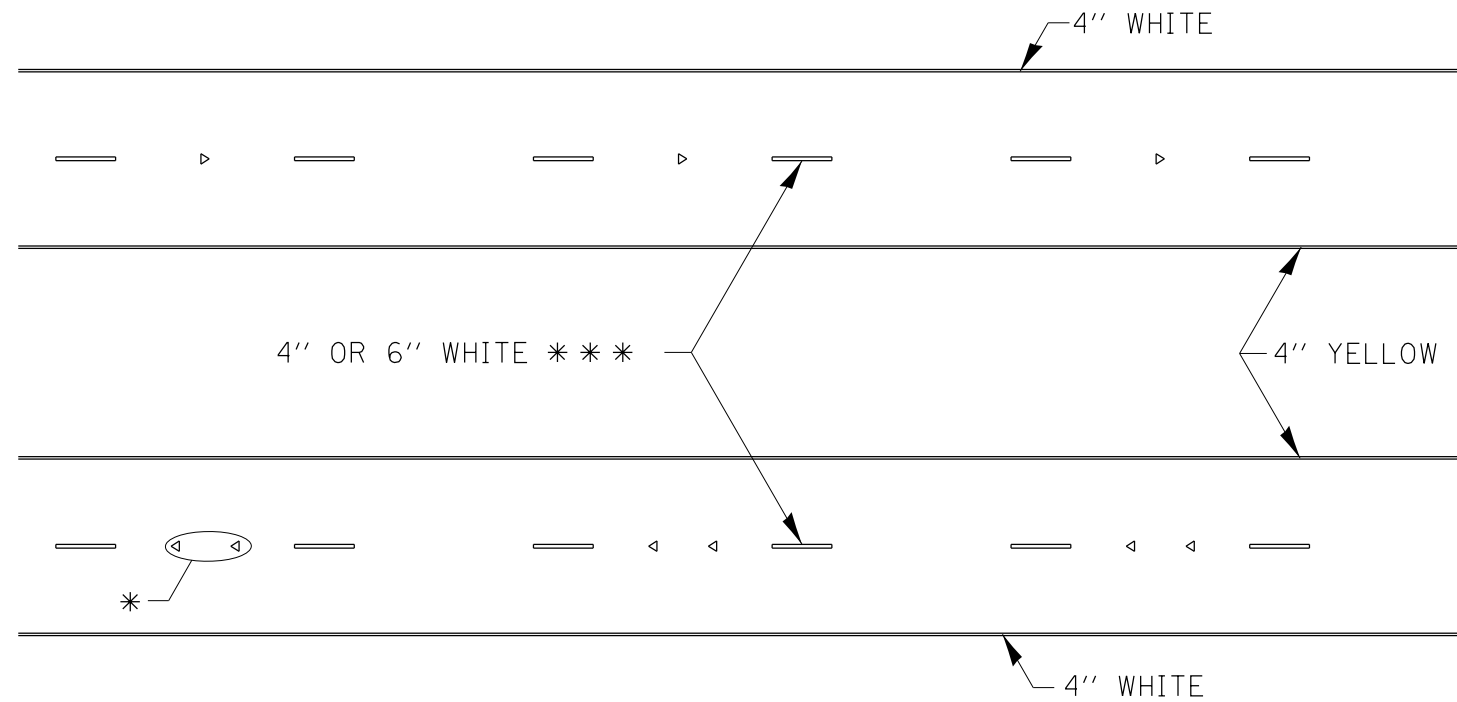
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 30MPH	50'	15'	10'
30-40MPH	75'	20'	15'
45MPH & over	75'	30'	20'

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.



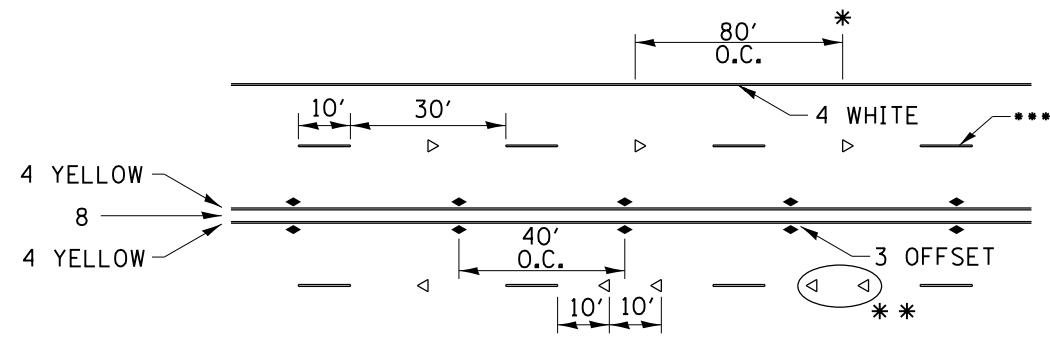
FILE NAME =	USER NAME = ankneyde	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\11084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 2\Projects\0204414\Drawings\CADsheets\0204414-shd-detail.dwg		CHECKED -	REVISED - 3-05-12		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	308	103RS-3	JO DAVIESS	36 35
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -					CONTRACT NO. 64K24					
PLOT DATE = 1/12/2018								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

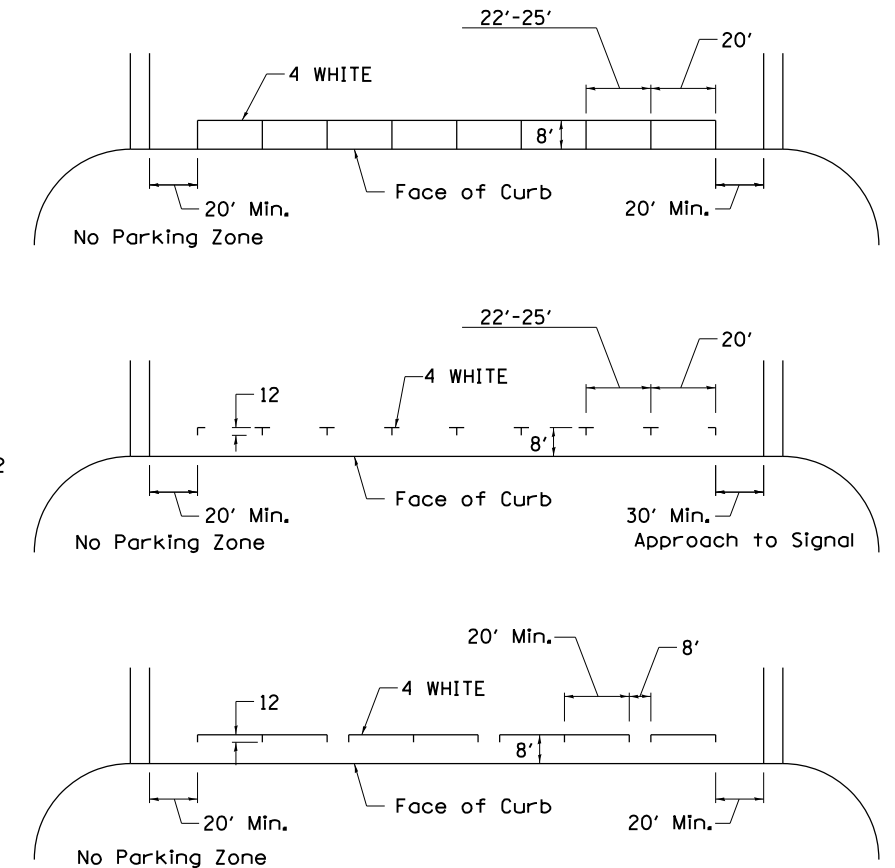


- * REDUCE TO 40' O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- ** USE DOUBLE MARKERS WHEN ADT ≥ 20,000
- *** CENTERLINE SKIP DASH PAVEMENT MARKING SPEED LIMIT LESS THAN 40 MPH USE 4" LINE. SPEED LIMIT 40 MPH AND OVER USE 6" LINE.

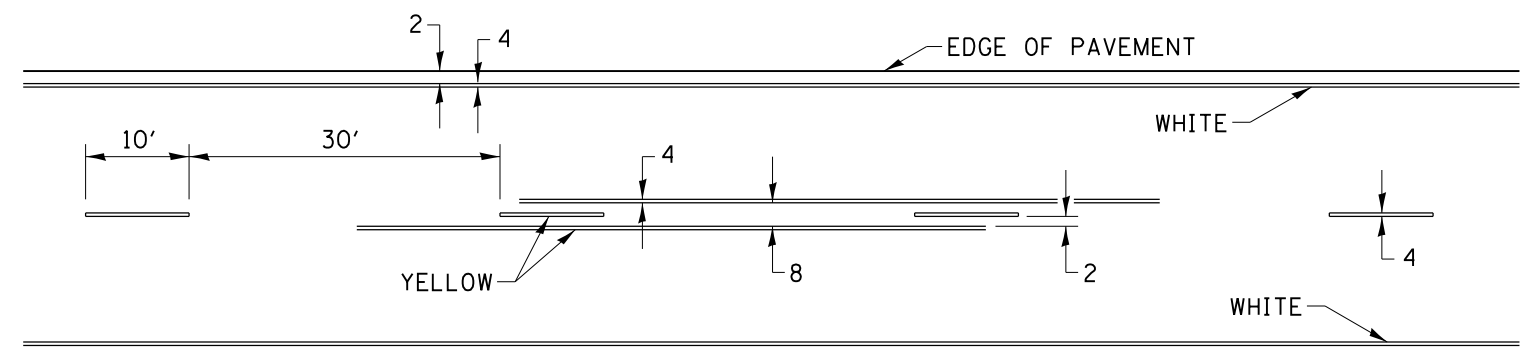
MULTI-LANE / UNDIVIDED & ONE WAY

(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 = ankneyde	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.
pw\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 2\Projects\0204\Drawings\CAD\Drawings\0204414-shd-detail.dwg	DRAWN -	REVISED - 8-27-13	308					103RS-3	JO DAVIESS	36	36	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - 11-28-12		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 64K24				
	PLOT DATE = 1/12/2018	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							