

021

FOR INDEX OF SHEETS, SEE SHEET NO. 2

07-12-2019 LETTING ITEM 021

FOR HIGHWAY STANDARDS, SEE SHEET NO. 2

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED HIGHWAY PLANS

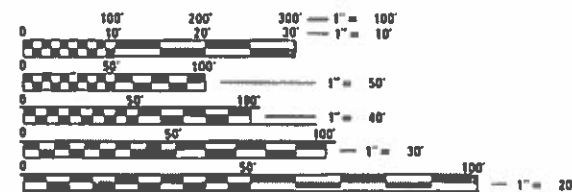
FAP ROUTE 22 (IL 78)
SECTION (123,124,125) RS-1
PROJECT STP-XNYE(279)
3P RESURFACING
HENRY COUNTY

C-92-069-14

R 5 E

TOWNSHIPS (SECTIONS)

ALBA (3,10,15,22,27,34)
YORKTOWN (8,9,16,21,22,27,34)

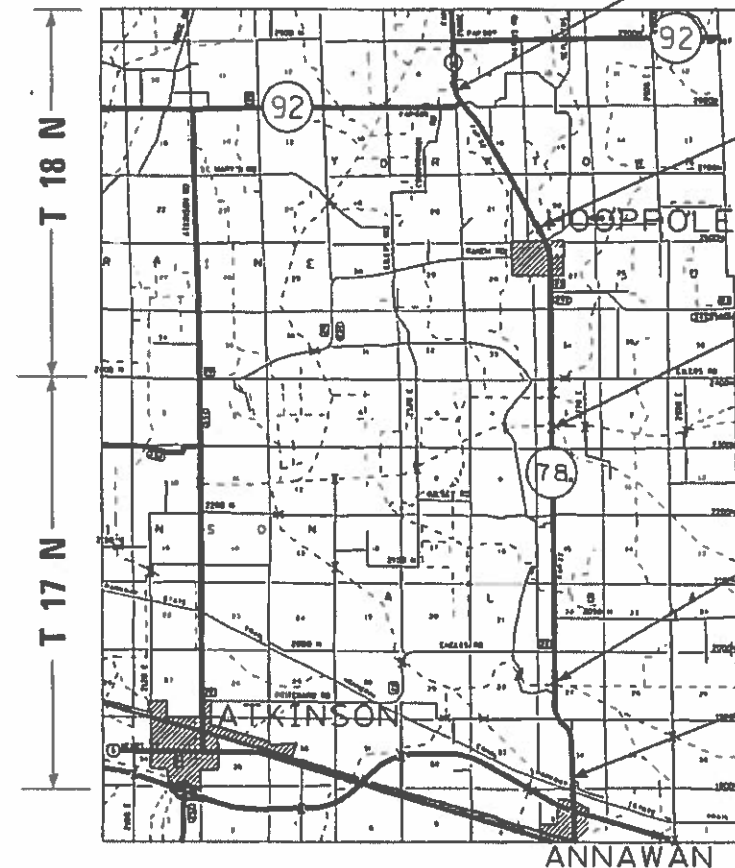


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: FAITH DUNCAN, (815) 284-5364
PROJECT MANAGER: TYLER GOULD, (815) 284-5945

CONTRACT NO. 64J40



GROSS LENGTH = 56,040.00 FT. = 10.62 MILE
NET LENGTH = 55,612.00 FT. = 10.53 MILE

IMPROVEMENT/
PROJECT ENDS
STA 1165+00.00

BRIDGE OMMISIONS
STA 1036+72.00 -
STA 1037+73.00

BRIDGE OMMISIONS
STA 881+63.00 -
STA 883+72.00

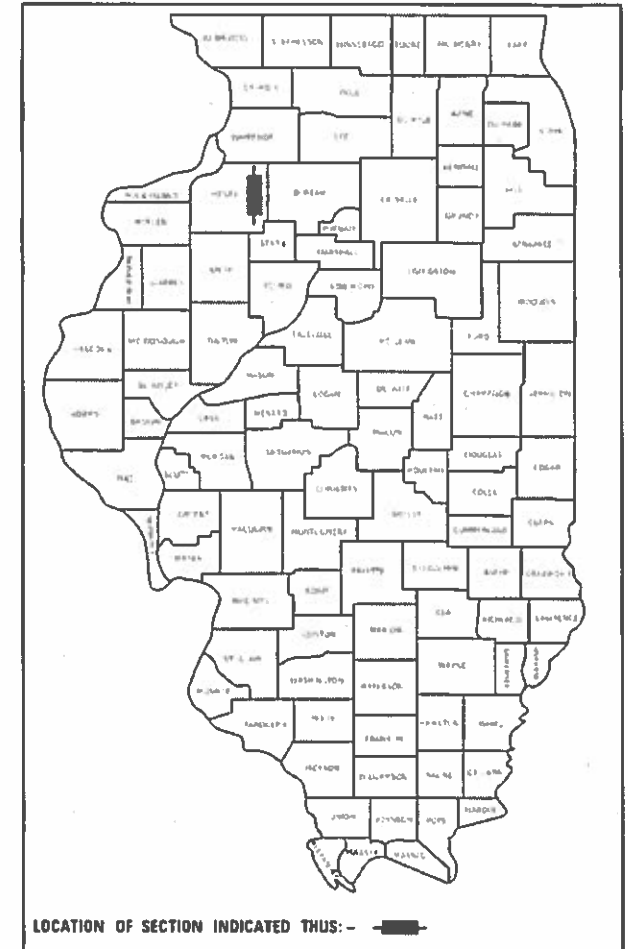
BRIDGE OMMISIONS
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STA 681+58.00

IMPROVEMENT/
PROJECT BEGINS
STA 604+50.00



FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123, 124, 125) RS-1	HENRY	94	1

D-92-016-13



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED May 17, 2019

[Signature]
REGIONAL ENGINEER

June 14, 2019
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

June 14, 2019
[Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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	USER NAME = hogensonjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 78 INDEX OF SHEET & STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			22	(123,124,125)RS1	HENRY	54	2	
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	PLOT DATE = 5/20/2019	DATE -	REVISED -			SCALE:		SHEET OF SHEETS		STA. TO STA.	

GENERAL NOTES

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

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

It is estimated that 375 cubic yards of earth will be hauled to the job from outside the project limits. A shrinkage factor of 25% has been used.

The Contractor shall seed all disturbed areas within the project limits outside of the ADA improvements. 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 will be included in the contract unit price per Cubic Yard FURNISHED EXCAVATION.

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 FURNISHED EXCAVATION.

Mulch Method II shall be applied over all seeded areas. This shall be included in the cost of the FURNISHED EXCAVATION.

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

When laying out for patching, the minimum distance between new patches (saw cut to saw cut) shall be 15 feet. When patch spacing is less than 15 feet, the pavement between patches shall also be removed and replaced.

Class C Patches shall be tied to the adjacent lane when the patches are more than 20 feet. The cost of the tie bars shall be included in the cost of the patch.

The minimum patch dimension for full-depth patches will be 4 feet and half-lane width. Half-lane patches shall be confined to the outside edges of the pavement.

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):	IL 78 Resurfacing		Shoulder
Mixture Use(s):	Surface	Level Binder	
PG:	PG 58-28	PG 58-28	PG 58-28
Design Air Voids:	4.0 @ N50	4.0 @ N50	3.0 @ N50
Mixture Composition (Mixture Gradation):	IL 9.5	IL 9.5 FG	IL 9.5 or IL 9.5 FG
Friction Aggregate:	C	N/A	C
Mixture Weight:	112 lb/sy/in		112 lb/sy/in
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.

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.

Embankment quantities for the construction of the Traffic Barrier Terminals as shown in the plans are included in quantities for Furnished Excavation.

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.

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

- All words, such as ONLY, shall be 8 feet high.
- All non-freeway arrows shall be the large size.
- 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.
- 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 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.

FILE NAME = 64J40.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	FA	SECTION	COUNTY	TOTAL	SHEET
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						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS	FED. AID PROJECT

GENERAL NOTES

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. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

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

AT&T Communications 630-552-4677	Commonwealth Edison 815-490-2869
Geneseo Telephone 309-944-8025	Ameren IP 815-224-62070
Nicor Gas 630-983-8676	Frontier Legacy 815-772-2078
Natural Gas Pipeline 309-944-4676	

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.

HMA patches shall meet same PG 58-28 grade as HMA surface.

FILE NAME = 64J40.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	FA RSE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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									CONTRACT NO. 64J40			

PAY ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
			RURAL	0005 ROADWAY	
20200100	EARTH EXCAVATION	CU YD	126	126	
20400800	FURNISHED EXCAVATION	CU YD	375	375	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	121	121	
25200110	SODDING, SALT TOLERANT	SQ YD	121	121	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100	
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	70	70	
35101400	AGGREGATE BASE COURSE, TYPE B	TON	280	280	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	119,792	119,792	
40600525	LEVELING BINDER (HAND METHOD), N50	TON	110	110	
40600627	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	TON	9,270	9,270	
40600982	HMA SURFACE REMOVAL - BUTT JOINT	SQ YD	1,402	1,402	
40600990	TEMPORARY RAMP	SQ YD	544	544	
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	1,209	1,209	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	14,730	14,730	

* SPECIALTY ITEMS

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PLOT DATE = 5/21/2019	CHECKED -	REVISED -						CONTRACT NO. 64J40				
	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	

PAY ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
			RURAL	0005 ROADWAY	
63200310	GUARDRAIL REMOVAL	FOOT	1,175	1,175	
63500105	DELINEATORS	EACH	12	12	
* 66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
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	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	17,636	17,636	
70300150	SHORT-TERM PAVEMENT MARKING REMOVAL	SQ FT	2,012	2,012	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	127	127	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	148,694	148,694	

* SPECIALTY ITEMS

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	DATE -	REVISED -										

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			RURAL	0005 ROADWAY	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	714	714	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	927	927	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	381	381	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	86	86	
* 72501000	TERMINAL MARKER-DIRECT APPLIED	EACH	12	12	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	127	127	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,730	4,730	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	927	927	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	381	381	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	53	53	
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	143,964	143,964	
* 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	714	714	
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	33	33	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	144	144	

* SPECIALTY ITEMS

USER NAME = hogensonjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 78 SUMMARY OF QUANTITIES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
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PLOT DATE = 5/21/2019	CHECKED -	REVISED -		CONTRACT NO. 64J40										
	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

	PAY ITEM NUMBER	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	
				RURAL	0005 ROADWAY	
*	78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	14	14	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	154	154	
	X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	3,331	3,331	
	X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	51,218	51,218	
*	X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOL	SQ FT	127	127	
*	X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	4,730	4,730	
*	X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	927	927	
*	X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	381	381	
*	X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	53	53	
	Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	420	420	
	Z0004405	HOT-MIX ASPHALT SCARIFICATION	SQ YD	138,142	138,142	
	Z0034105	MATERIAL TRANSFER DEVICE	TON	24,000	24,000	

* SPECIALTY ITEMS

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	DRAWN -	REVISED -
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PLOT DATE = 5/21/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

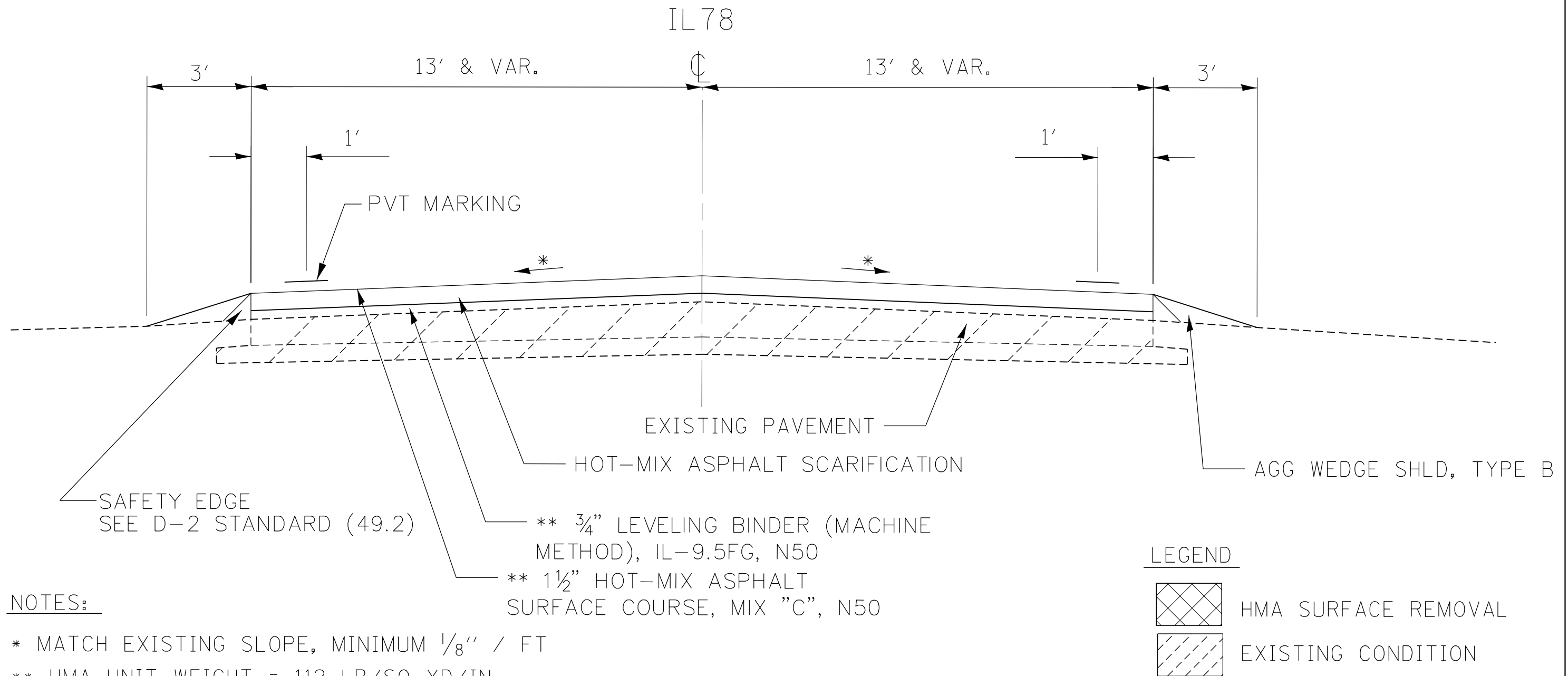
**IL ROUTE 78
SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS1	HENRY	54	9
			CONTRACT NO. 64J40	
ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS

STA 605+02.5	-	674+81.5	STA 912+09	-	950+10.5
STA 684+91.5	-	783+47.5	STA 954+55.5	-	1008+76.5
STA 790+52.5	-	798+35	STA 1018+23.5	-	1034+37
STA 806+30.5	-	878+29.5	STA 1040+58.5	-	1137+03
STA 886+87.5	-	904+51			
STA 907+36.6	-	909+23			



NOTES:

- * MATCH EXISTING SLOPE, MINIMUM 1/8" / FT
- ** HMA UNIT WEIGHT = 112 LB/SQ YD/IN

LEGEND

	HMA SURFACE REMOVAL
	EXISTING CONDITION

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	DRAWN -	REVISED -
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PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET		OF SHEETS		STA.	TO STA.

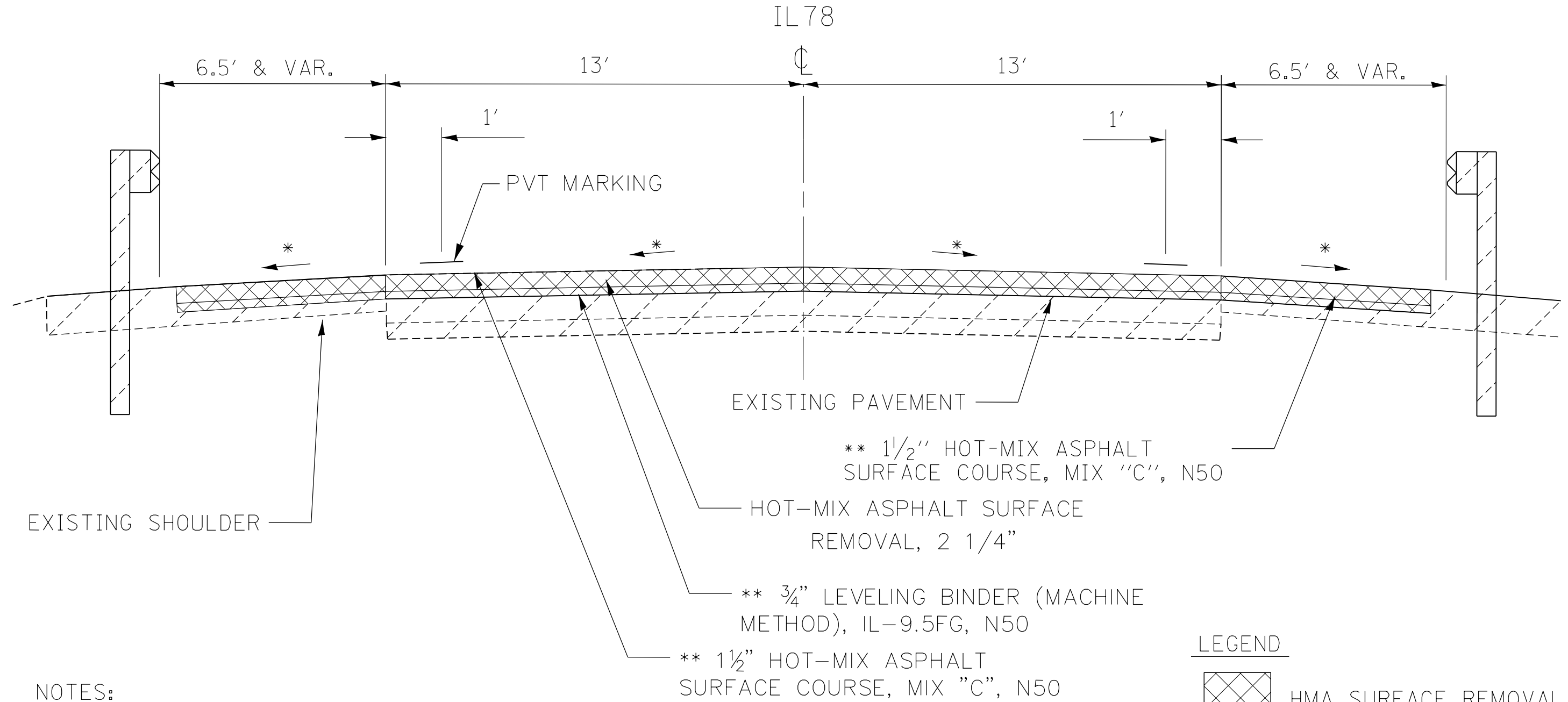
**IL ROUTE 78
TYPICAL SECTION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	10
CONTRACT NO. 64J40				
ILLINOIS			FED. AID PROJECT	


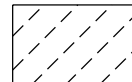
TYPICAL SECTIONS

STA 675+34 - 680+31 STA 883+72 - 886+35
 STA 681+58 - 684+39 STA 1034+89.5 - 1036+72
 STA 878+82 - 881+63 STA 1037+73 - 1040+06

MILLING & PAVING GAP
 STA 680+31 - 681+58
 STA 881+63 - 883+72
 STA 1036+72 - 1037+73



LEGEND

-  HMA SURFACE REMOVAL
-  EXISTING CONDITION

NOTES:

- * MATCH EXISTING SLOPE, MINIMUM 1/8" / FT
- ** HMA UNIT WEIGHT = 112 LB/SQ YD/IN

MODEL: Default
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	DRAWN -	REVISED -
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PLOT DATE = 5/20/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

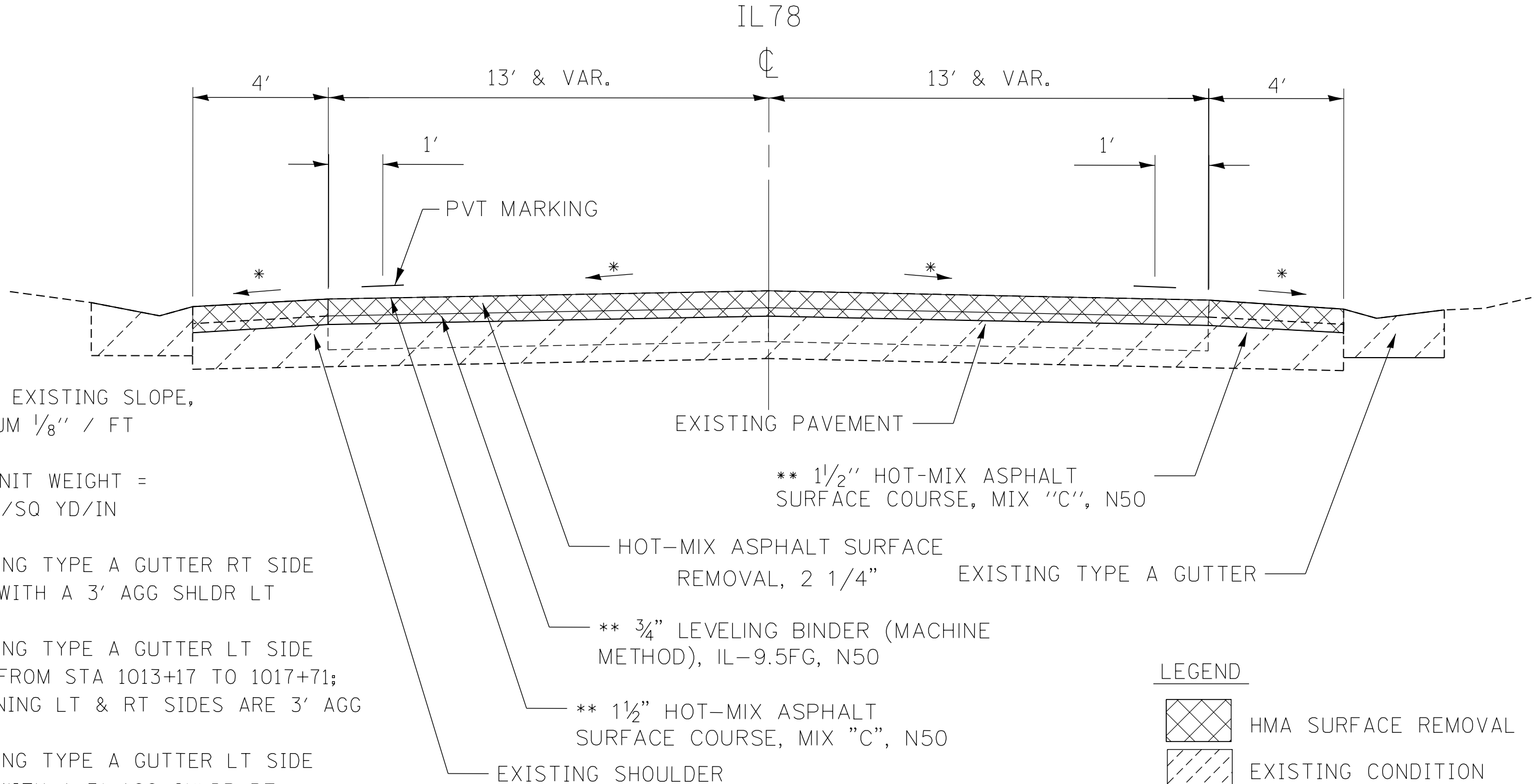
IL ROUTE 78
TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	11
CONTRACT NO. 64140				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS



STA 784+00 - 790+00
 STA 798+87.5 - 805+78***
 STA 950+63 - 954+03***
 STA 1009+29 - 1017+71****
 STA 1137+55.5 - 1142+53*****



NOTES:

- * MATCH EXISTING SLOPE, MINIMUM 1/8" / FT
- ** HMA UNIT WEIGHT = 112 LB/SQ YD/IN
- *** EXISTING TYPE A GUTTER RT SIDE ONLY WITH A 3' AGG SHLDR LT
- **** EXISTING TYPE A GUTTER LT SIDE ONLY FROM STA 1013+17 TO 1017+71; REMAINING LT & RT SIDES ARE 3' AGG
- ***** EXISTING TYPE A GUTTER LT SIDE ONLY WITH A 3' AGG SHLDR RT

LEGEND

-  HMA SURFACE REMOVAL
-  EXISTING CONDITION

MODEL: Default
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 DRAWN: -
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 DATE: -
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USER NAME = hogensoj	DESIGNED -	REVISED -
PLOT SCALE = 40,000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/20/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 78
 TYPICAL SECTION

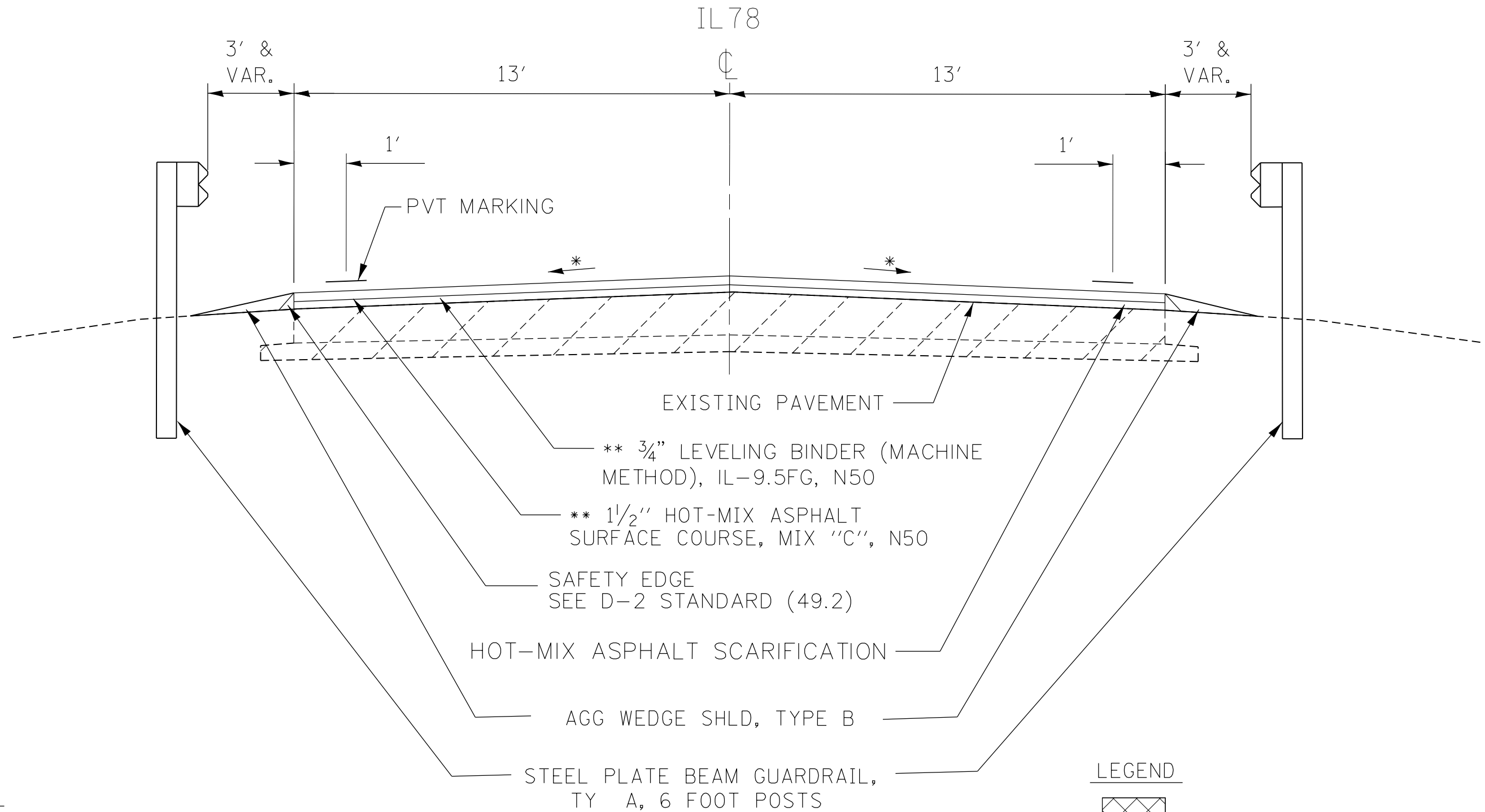
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	12
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS

STA 904+51 - 907+36.6

STA 909+23 - 912+09

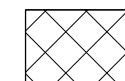


NOTES:

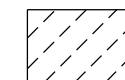
* MATCH EXISTING SLOPE, MINIMUM 1/8" / FT

** HMA UNIT WEIGHT = 112 LB/SQ YD/IN

LEGEND



HMA SURFACE REMOVAL



EXISTING CONDITION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

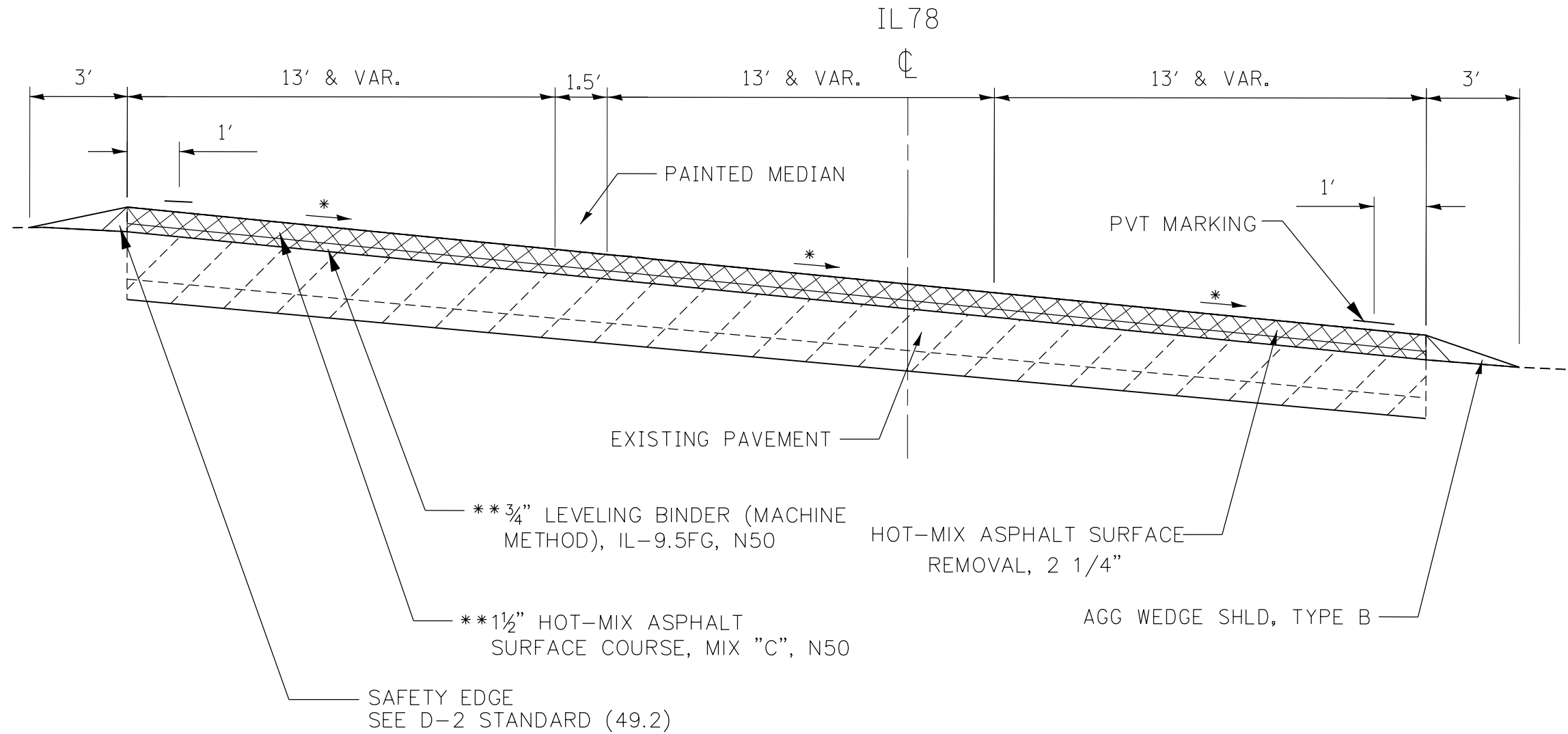
IL ROUTE 78
TYPICAL SECTION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	13
			CONTRACT NO. 64J40	
		ILLINOIS FED. AID PROJECT		

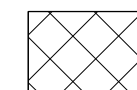
SCALE: SHEET OF SHEETS STA. TO STA.

TYPICAL SECTIONS

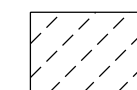
STA 1142+53 - 1165+00



LEGEND



HMA SURFACE REMOVAL



EXISTING CONDITION

NOTES:

- * MATCH EXISTING SLOPE, MINIMUM 1/8" / FT
- ** HMA UNIT WEIGHT = 112 LB/SQ YD/IN

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 DATE: 5/20/2019

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	DRAWN -	REVISED -
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PLOT DATE = 5/20/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

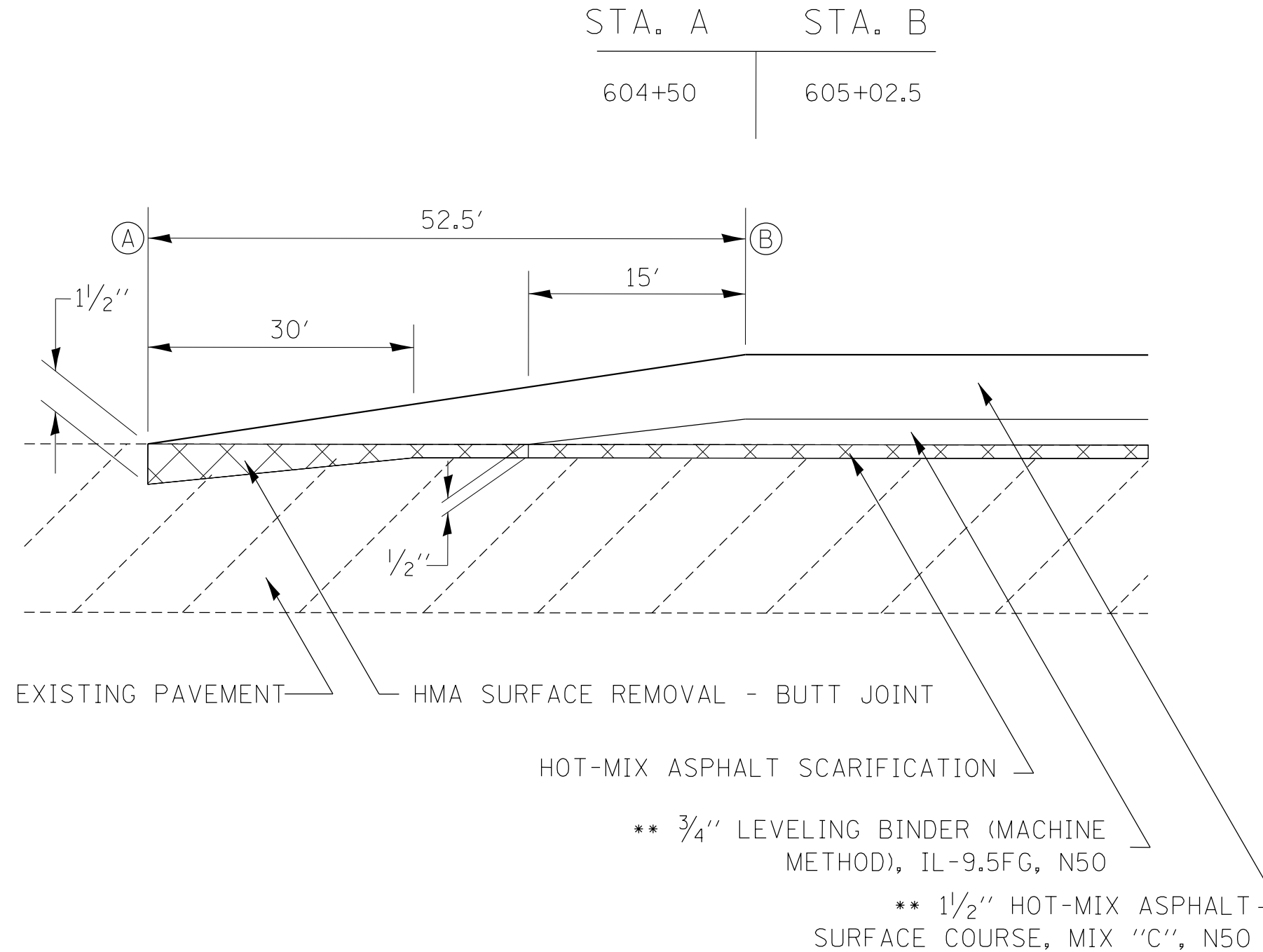
IL ROUTE 78
TYPICAL SECTION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	14
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS

IL 78 BUTT-JOINT DETAIL



LEGEND

- HMA SURFACE REMOVAL
- EXISTING CONDITION

NOTES:

BUTT JOINT PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"

** HMA UNIT WEIGHT = 112 LB/SQ YD/IN

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	DRAWN -	REVISED -
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PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 78
TYPICAL SECTION**

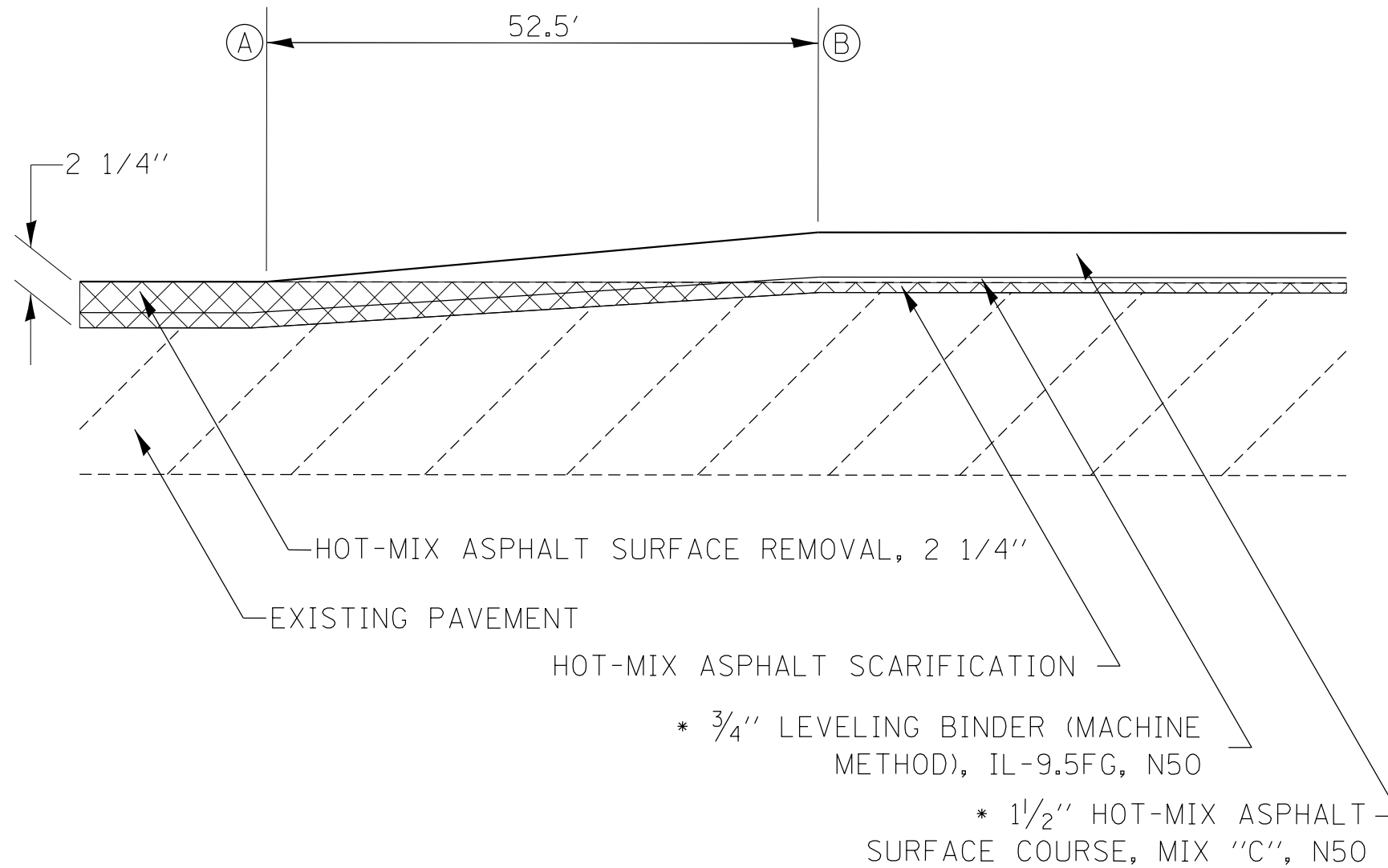
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22		HENRY	54	15
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS

IL 78 TRANSITION DETAIL

STA. A	STA. B
675+34	674+81.5
684+39	684+91.5
784+00	783+47.5
790+00	790+52.5
798+87.5	798+35
805+78	806+30.5
878+82	878+29.5
886+35	886+87.5
950+63	950+10.5
954+03	954+55.5
1009+29	1008+76.5
1017+71	1018+23.5
1034+89.5	1034+37
1040+06	1040+58.5
1137+55.5	1137+03



NOTES:

* TRANSITION PAID FOR AS HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

LEGEND

	HMA SURFACE REMOVAL
	EXISTING CONDITION

MODEL: Default
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 PROJECT: 20190520 - 11:00:00 AM
 USER: hogensoj
 DATE: 5/20/2019

USER NAME = hogensoj	DESIGNED -	REVISED -
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PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 78
TYPICAL SECTION**

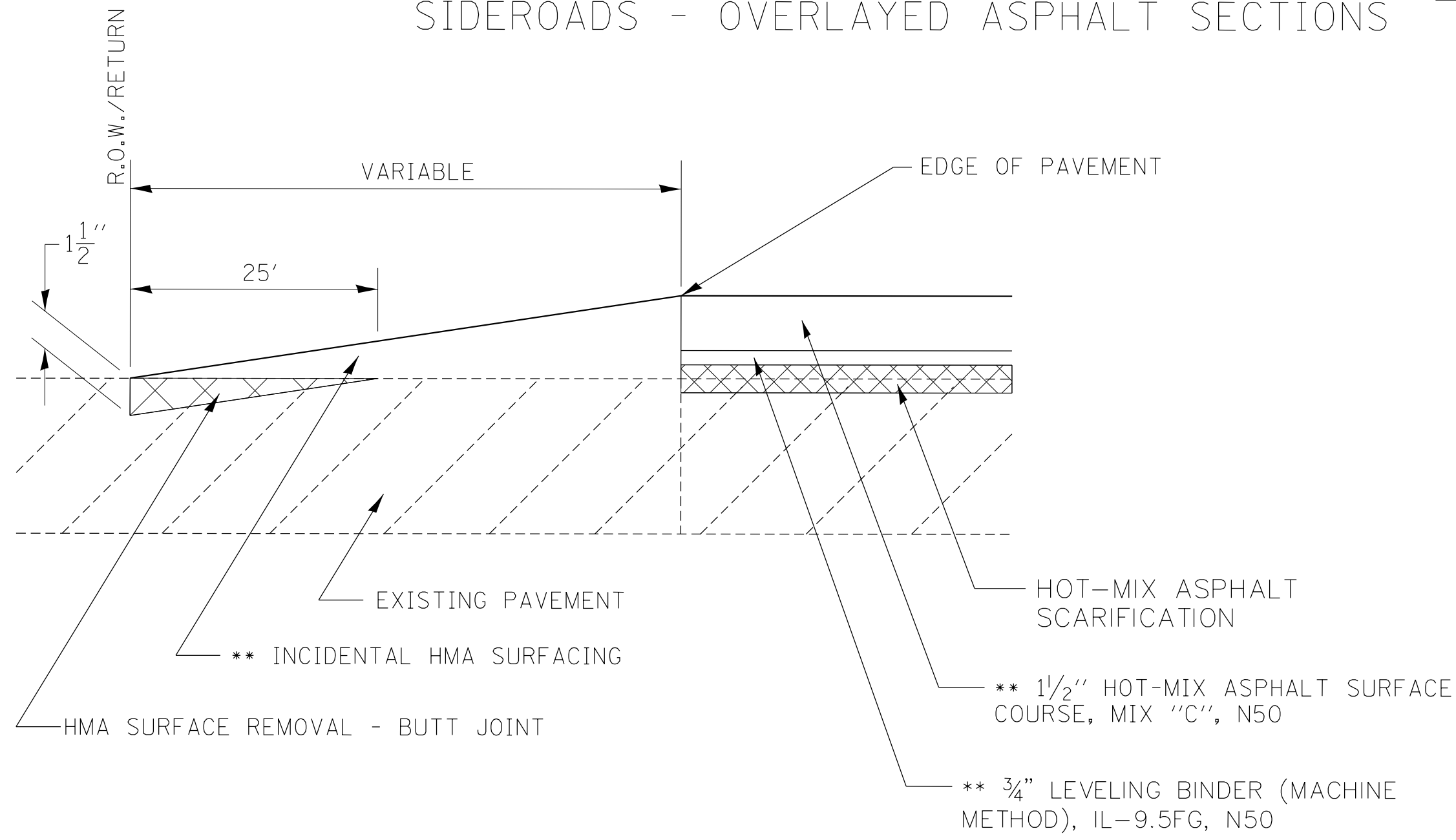
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	16
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

TYPICAL SECTIONS

SIDEROADS - OVERLAYED ASPHALT SECTIONS

SIDEROAD	STATION
BAKER SCHOOL RD	654+36
ENGELS RD	676+40
COHWY 22	707+45
N 2050TH AVE	733+91
WILSEY RD	808+05
N 2200TH AVE	813+30
FRONTAGE RD	908+87
N 2400TH AVE	920+21
COHWY 23	986+52
FIRST ST	1025+91
YORKTOWN RD	1026+55
E 2670TH ST	1081+96
N 2700TH AVE RT	1086+36
N 2700TH AVE LT	1086+46
MATHIS RD	1117+46



NOTES:

** HMA UNIT WEIGHT = 112 LB/SQ YD/IN

LEGEND

	HMA SURFACE REMOVAL
	EXISTING CONDITION

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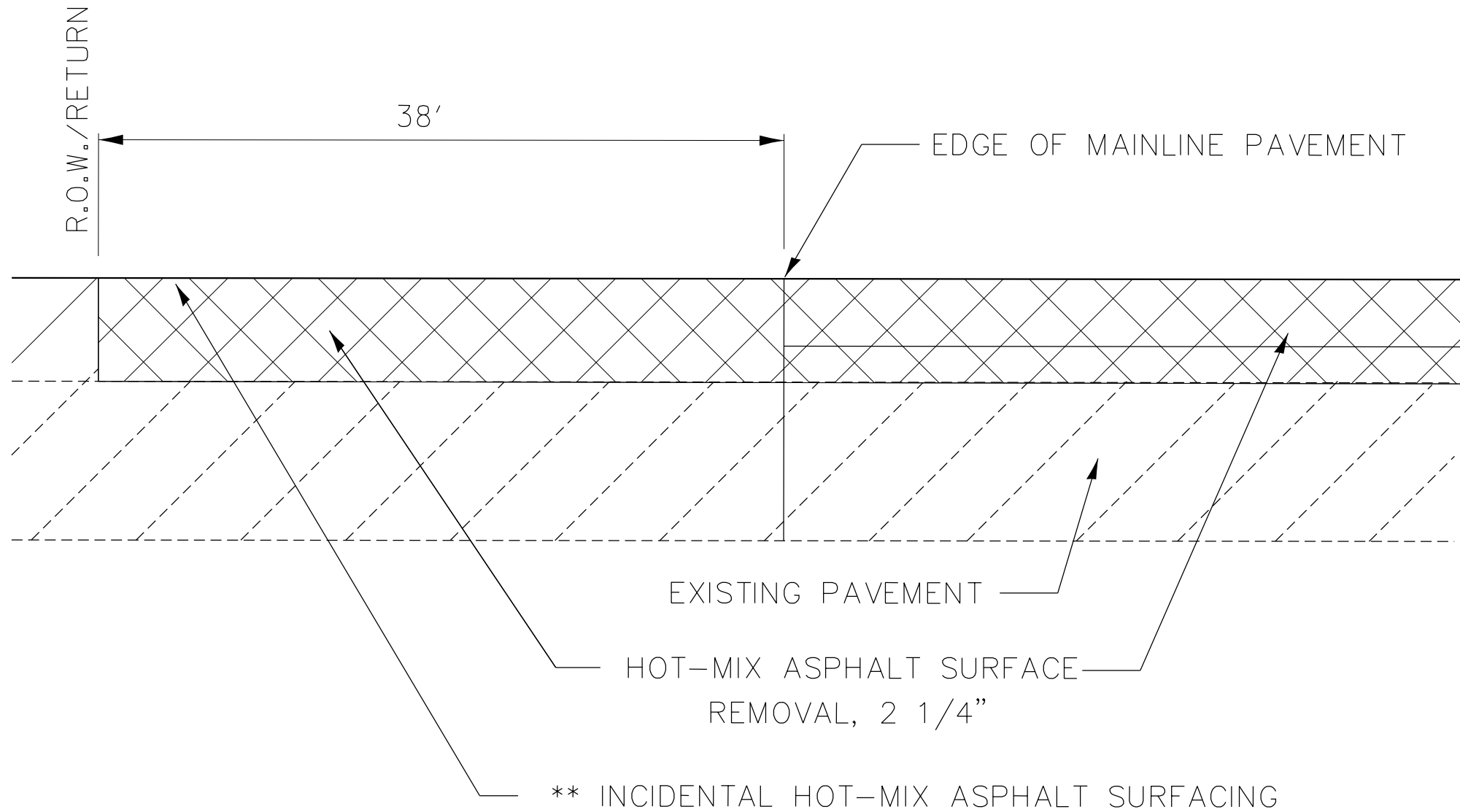
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 78 TYPICAL SECTION	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	17
CONTRACT NO. 64J40			ILLINOIS FED. AID PROJECT	

TYPICAL SECTIONS


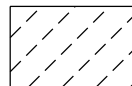
SIDEROADS - MILLED ASPHALT SECTIONS
 MAIN STREET - HOOPPOLE, IL



NOTES:

** HMA UNIT WEIGHT = 112 LB/SQ YD/IN

LEGEND

-  HMA SURFACE REMOVAL
-  EXISTING CONDITION

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PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 78
 TYPICAL SECTION**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	18
CONTRACT NO. 64J40			ILLINOIS FED. AID PROJECT	

LOCATION	REMARKS	HOT-MIX ASPHALT						40600290	40600627	40600982	40603310	44000158	70300100	70300150	X4400196	Z0004405	
		PAVEMENT			JOINT TRIMING			BITUMINOUS MATERIALS (TACK COAT) - 2 APPLICATIONS	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N50	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE COURSE, MIX "C", N50	HMA SURFACE REMOVAL, 2 1/4"	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	HMA SURFACE REMOVAL, SPECIAL	HMA SCARIFICATION	
		LENGTH	WIDTH	AREA	LENGTH	WIDTH	AREA										
STATION TO STATION		FT	FT	SQ YD	FT	FT	SQ YD	LB	TON	SQ YD	TON	SQ YD	FT	SQ FT	SQ YD	SQ YD	
IL 78 - HENRY COUNTY																	
950+63.0	- 954+03.0	2 1/4" MILLING	340.0	26.0	982.2	340.0	0.5	18.9	675.8	56.1	---	84.1	982.2	102.0	11.3	18.9	---
954+03.0	- 954+55.5	TRANSITION	52.5	26.0	151.7	52.5	0.5	2.9	104.3	8.7	---	13.0	151.7	15.8	1.8	2.9	---
954+55.5	- 1008+76.5	1/2" MILLING	5,421.0	26.0	15,660.7	5,421.0	0.5	301.2	10,774.2	893.9	---	1,340.8	---	1,626.3	180.7	301.2	15,660.7
1008+76.5	- 1009+29.0	TRANSITION	52.5	26.0	151.7	52.5	0.5	2.9	104.3	8.7	---	13.0	151.7	15.8	1.8	2.9	---
1009+29.0	- 1017+71.0	2 1/4" MILLING	842.0	26.0	2,432.4	842.0	0.5	46.8	1,673.5	138.8	---	208.3	2,432.4	252.6	28.1	46.8	---
1017+71.0	- 1018+23.5	TRANSITION	52.5	26.0	151.7	52.5	0.5	2.9	104.3	8.7	---	13.0	151.7	15.8	1.8	2.9	---
1018+23.5	- 1034+37.0	1/2" MILLING	1,613.5	26.0	4,661.2	1,613.5	0.5	89.6	3,206.8	266.0	---	399.1	---	484.1	53.8	89.6	4,661.2
1034+37.0	- 1034+89.5	TRANSITION	52.5	26.0	151.7	52.5	0.5	2.9	104.3	8.7	---	13.0	151.7	15.8	1.8	2.9	---
1034+89.5	- 1036+72.0	2 1/4" MILLING_GUARD RAIL	182.5	26.0	527.2	182.5	0.5	10.1	362.7	30.1	---	45.1	527.2	54.8	6.1	10.1	---
1036+72.0	- 1037+73.0	BRIDGE OMMISION	101.0	---	---	---	---	---	---	---	---	---	---	---	---	---	---
1037+73.0	- 1040+06.0	2 1/4" MILLING_GUARD RAIL	233.0	26.0	673.1	233.0	0.5	12.9	463.1	38.4	---	57.6	673.1	69.9	7.8	12.9	---
1040+06.0	- 1040+58.5	TRANSITION	52.5	26.0	151.7	52.5	0.5	2.9	104.3	8.7	---	13.0	151.7	15.8	1.8	2.9	---
1040+58.5	- 1137+03.0	1/2" MILLING	9,644.5	26.0	27,861.9	9,644.5	0.5	535.8	19,168.4	1,590.3	---	2,385.4	---	2,893.4	321.5	535.8	27,861.9
1137+03.0	- 1137+55.5	TRANSITION	52.5	26.0	151.7	52.5	0.5	2.9	104.3	8.7	---	13.0	151.7	15.8	1.8	2.9	---
1137+55.5	- 1142+53.0	2 1/4" MILLING	497.5	26.0	1,437.2	497.5	0.5	27.6	988.8	82.0	---	123.0	1,437.2	149.3	16.6	27.6	---
1142+53.0	- 1165+00.0	2 1/4" MILLING	2,247.0	41.2	10,274.3	2,247.0	1.5	365.8	7,182.0	595.8	---	893.8	10,274.3	674.1	74.9	365.8	---
TOTAL			56,050		164,443			3,331	113,247	9,270	108	13,905	26,149	16,684	1,854	3,331	138,142

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	DRAWN -	REVISED -
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PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 78
HMA SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS1	HENRY	54	20
CONTRACT NO. 64J40			ILLINOIS FED. AID PROJECT	

Location	Remarks	SHOULDER SCHEDULE							40600290	40603310	44000158	48102100	70300100	70300150	
		HMA SHOULDER			AGGREGATE SHOULDER			BITUMINOUS MATERIALS (TACK COAT) - 1 APPLICATIONS	HMA SURFACE COURSE, MIX "C", N50	HMA SURFACE REMOVAL, 2 1/4"	AGGREGATE WEDGE SHOULDER, TYPE B	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL		
		LENGTH	WIDTH	AREA	LENGTH	WIDTH	AREA								
STATION TO STATION		FT	FT	SQ YD	FT	FT	SQ YD	LB	TON	SQ YD	TON	FT	SQ FT		
IL 78 - HENRY COUNTY															
604+50.0	-	605+02.5	BUTT JOINT	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
605+02.5	-	674+81.5	AGGREGATE SHOULDER	---	---	---	6,979.0	6.0	4,652.7	---	---	---	1,324.7	---	---
674+81.5	-	675+34.0	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
675+34.0	-	680+31.0	HMA SHOULDER	497.0	14.8	816.5	241.0	3.0	80.3	367.4	102.9	816.5	22.9	99.4	16.6
680+31.0	-	681+58.0	BRIDGE OMMISION	127.0	---	---	127.0	---	---	---	---	---	---	---	---
681+58.0	-	684+39.0	HMA SHOULDER	281.0	17.7	552.6	---	104.0	36.0	248.7	69.6	552.6	10.2	56.2	9.4
684+39.0	-	684+91.5	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
684+91.5	-	783+47.5	AGGREGATE SHOULDER	---	---	---	9,856.0	6.0	6,570.7	---	---	---	1,870.8	---	---
783+47.5	-	784+00.0	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
784+00.0	-	790+00.0	HMA SHOULDER	600.0	8.0	533.3	---	---	---	240.0	67.2	533.3	---	120.0	20.0
790+00.0	-	790+52.5	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
790+52.5	-	798+35.0	AGGREGATE SHOULDER	---	---	---	782.5	6.0	521.7	---	---	---	148.5	---	---
798+35.0	-	798+87.5	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
798+87.5	-	805+78.0	HMA SHOULDER	690.5	4.0	306.9	690.5	3.0	230.2	138.1	38.7	306.9	65.5	138.1	23.0
805+78.0	-	806+30.5	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
806+30.5	-	878+29.5	AGGREGATE SHOULDER	---	---	---	7,199.0	6.0	4,799.3	---	---	---	1,366.5	---	---
878+29.5	-	878+82.0	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
878+82.0	-	881+63.0	HMA SHOULDER	281.0	16.2	505.5	---	---	---	227.5	63.7	505.5	---	56.2	9.4
881+63.0	-	883+72.0	BRIDGE OMMISION	209.0	---	---	209.0	---	---	---	---	---	---	---	---
883+72.0	-	886+35.0	HMA SHOULDER	263.0	17.1	499.1	---	---	---	224.6	62.9	499.1	---	52.6	8.8
886+35.0	-	886+87.5	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
886+87.5	-	950+10.5	AGGREGATE SHOULDER	---	---	---	6,323.0	6.0	4,215.3	---	---	---	1,200.2	---	---
950+10.5	-	950+63.0	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
950+63.0	-	954+03.0	HMA SHOULDER	340.0	4.0	151.1	340.0	3.0	113.3	68.0	19.0	151.1	32.3	68.0	11.3
954+03.0	-	954+55.5	TRANSITION	52.5	3.0	17.5	52.5	3.0	17.5	7.9	2.2	17.5	5.0	10.5	1.8
954+55.5	-	1008+76.5	AGGREGATE SHOULDER	---	---	---	5,421.0	6.0	3,614.0	---	---	---	1,029.0	---	---
1008+76.5	-	1009+29.0	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
1009+29.0	-	1017+71.0	HMA SHOULDER	842.0	1.9	181.8	---	---	128.3	81.8	22.9	181.8	36.5	168.4	28.1
1017+71.0	-	1018+23.5	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
1018+23.5	-	1034+37.0	AGGREGATE SHOULDER	---	---	---	1,613.5	6.0	1,075.7	---	---	---	306.3	---	---
1034+37.0	-	1034+89.5	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
1034+89.5	-	1036+72.0	HMA SHOULDER	182.5	6.5	131.8	---	---	---	59.3	16.6	131.8	---	36.5	6.1
1036+72.0	-	1037+73.0	BRIDGE OMMISION	101.0	---	---	101.0	---	---	---	---	---	---	---	---
1037+73.0	-	1040+06.0	HMA SHOULDER	233.0	13.0	336.6	---	---	---	151.5	42.4	336.6	---	46.6	7.8
1040+06.0	-	1040+58.5	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
1040+58.5	-	1137+03.0	AGGREGATE SHOULDER	---	---	---	9,644.5	6.0	6,429.7	---	---	---	1,830.7	---	---
1137+03.0	-	1137+55.5	TRANSITION	---	---	---	52.5	6.0	35.0	---	---	---	10.0	---	---
1137+55.5	-	1142+53.0	HMA SHOULDER	497.5	4.0	221.1	497.5	3.0	165.8	99.5	27.9	221.1	47.2	99.5	16.6
1142+53.0	-	1165+00.0	AGGREGATE SHOULDER	---	---	---	2,247.0	6.0	1,498.0	---	---	---	426.5	---	---
2% CONTINGENCY FOR SAFETY SHOULDER										---	288.8	---	---	---	---
TOTAL				5,197		4,254				1,914	825	4,254	9,872	952	159

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PLOT DATE = 5/20/2019	DATE -	REVISED -

DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 78
SHOULDER SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 22	SECTION (123,124,125)RS1	COUNTY HENRY	TOTAL SHEETS 54	SHEET NO. 21
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

SIDEROADS & ENTRANCES SCHEDULE			SURFACE AREA	OFFSET FROM CENTER LINE	INCIDENTAL THICKNESS	40600290	40600982	40800050
LOCATION		REMARKS				BITUMINOUS MATERIALS (TACK COAT)	HMA SURFACE REMOVAL - BUTT JOINT	INCIDENTAL HOT-MIX ASPHALT SURFACING
STATION	OFFSET			SQ YD	FT	INCH	POUND	SQ YD
613+80	RT	PE	112.3	44.0	2.25	50.5	---	17.3
622+24	LT	PE	121.0	44.0	2.25	54.4	---	18.6
622+24	RT	MB	62.8	21.0	2.25	28.3	---	9.7
640+79	RT	PE	763.3	21.0	2.25	343.5	---	117.5
654+36	LT	BAKER SCHOOL RD	461.7	120.4	2.25	207.8	61.11	71.1
667+97	RT	PE	151.9	61.0	2.25	68.4	---	23.4
673+25	RT	PE	140.7	64.5	2.25	63.3	---	21.7
676+40	LT	ENGELS RD	164.1	40.0	2.25	73.8	61.11	25.3
694+25	LT	PE	123.8	45.0	2.25	55.7	---	19.1
707+45	LT	CO HWY 22	235.5	64.0	2.25	106.0	61.11	36.3
731+66	RT	PE	116.9	46.0	2.25	52.6	---	18.0
733+91	RT	N 2050TH AVE	306.8	93.0	2.25	138.1	61.11	47.2
762+40	LT	PE	119.0	45.0	2.25	53.6	---	18.3
776+99	LT	CE	123.2	42.0	2.25	55.4	---	19.0
780+14	RT	CE	136.6	40.0	2.25	61.5	---	21.0
780+14	LT	MB	62.7	21.0	2.25	28.2	---	9.7
793+88	LT	PE	130.4	40.0	2.25	58.7	---	20.1
794+38	LT	PE	130.4	40.0	2.25	58.7	---	20.1
808+05	LT	WILSEY RD	377.6	54.0	2.25	169.9	61.11	58.2
813+30	RT	N 2200TH AVE	217.0	45.0	2.25	97.7	61.11	33.4
813+61	LT	PE	123.8	40.0	2.25	55.7	---	19.1
820+99	LT	PE	111.4	43.0	2.25	50.1	---	17.2
834+67	LT	PE	130.0	40.0	2.25	58.5	---	20.0
834+71	RT	PE	110.1	40.0	2.25	49.5	---	17.0
849+84	RT	CE	136.3	41.0	2.25	61.3	---	21.0
851+40	LT	MB	62.7	21.0	2.25	28.2	---	9.7
851+78	RT	PE	112.4	41.0	2.25	50.6	---	17.3
859+67	RT	CE	221.2	60.0	2.25	99.6	---	34.1
865+71	LT	PE	122.4	49.0	2.25	55.1	---	18.8
872+00	LT	CE	153.6	45.0	2.25	69.1	---	23.7
920+22	LT	N 2400TH AVE X-RD	240.0	60.0	2.25	108.0	61.11	37.0
920+22	RT	N 2400TH AVE X-RD	240.0	60.0	2.25	108.0	61.11	37.0
921+23	RT	PE	107.8	40.0	2.25	48.5	---	16.6
955+37	LT	CE	117.6	48.0	2.25	52.9	---	18.1
976+01	RT	PE	115.8	45.0	2.25	52.1	---	17.8
986+52	RT	CO HWY 23	235.0	45.0	2.25	105.8	61.11	36.2
1009+90	LT	CE	125.0	42.0	2.25	56.2	---	19.2

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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78
SIDEROADS & ENTRANCES SCHEDULE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS1	HENRY	54	22
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

SIDEROADS & ENTRANCES SCHEDULE			SURFACE AREA	OFFSET FROM CENTER LINE	INCIDENTAL THICKNESS	40600290	40600982	40800050
LOCATION		REMARKS				BITUMINOUS MATERIALS (TACK COAT)	HMA SURFACE REMOVAL - BUTT JOINT	INCIDENTAL HOT-MIX ASPHALT SURFACING
STATION	OFFSET			SQ YD	FT	INCH	POUND	SQ YD
1010+01	RT	CE	117.0	42.0	2.25	52.7	---	18.0
1011+29	RT	PE	123.7	35.0	2.25	55.7	---	19.0
1011+15	LT	MB	101.6	35.0	2.25	45.7	---	15.6
1012+47	LT	MAIN ST	200.0	50.0	2.25	90.0	---	30.8
1012+47	RT	MAIN ST	200.0	50.0	2.25	90.0	---	30.8
1013+48	RT	PE	38.9	35.0	2.25	17.5	---	6.0
1014+92	RT	PE	74.1	38.0	2.25	33.3	---	11.4
1019+46	LT	PE	108.5	42.0	2.25	48.8	---	16.7
1021+39	LT	CE	178.5	42.0	2.25	80.3	---	27.5
1025+91	LT	First St	229.3	47.0	2.25	103.2	61.11	35.3
1026+54	RT	YORKTOWN Rd	231.0	47.0	2.25	103.9	61.11	35.6
1027+51	RT	CE	132.4	35.0	2.25	59.6	---	20.4
1039+72	RT	CE	184.4	47.0	2.25	83.0	---	28.4
1081+96	LT	E 2670TH ST	300.0	66.0	2.25	135.0	61.11	46.2
1086+36	RT	N 2700TH AVE	340.0	72.0	2.25	153.0	61.11	52.4
1086+46	LT	N 2700TH AVE	345.0	73.0	2.25	155.3	61.11	53.1
1108+13	LT	CE	104.0	42.0	2.25	46.8	---	16.0
1117+46	RT	MATHIS RD	300.0	67.0	2.25	135.0	61.11	46.2
1132+74	LT	PE	83.2	42.0	2.25	37.4	---	12.8
1155+90	RT	N 2800TH AVE	377.0	90.0	2.25	169.7	377.00	58.1
TOTAL			10,291	---	---	4,631	1,294	1,585

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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IL ROUTE 78
SIDEROADS & ENTRANCES SCHEDULE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS1	HENRY	54	23
CONTRACT NO. 64J40				
ILLINOIS			FED. AID PROJECT	

IL 78 NB & SB PATCHING SCHEDULE															
				44200156		44200160		44200162		44002227		40601005			
STATION	REMARKS	LENGTH OF PATCH		TYPE 2		TYPE 3		TYPE 4		HMA REMOVAL		HMA REPLACEMENT			
		LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE		
		PAVEMENT PATCHING, 13"										OVER PATCHES 6.75"		OVER PATCHES	
		FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	
731+48		---	4	---	5.78	---	---	---	---	0.0	8.7	0.0	3.3		
735+59		4	4	5.78	5.78	---	---	---	---	8.7	8.7	3.3	3.3		
740+09		---	4	---	5.78	---	---	---	---	0.0	8.7	0.0	3.3		
743+39		---	4	---	5.78	---	---	---	---	0.0	8.7	0.0	3.3		
754+20		10	10	14.44	14.44	---	---	---	---	17.3	17.3	6.6	6.6		
758+50		4	---	5.78	---	---	---	---	---	8.7	0.0	3.3	0.0		
819+00		---	4	---	5.78	---	---	---	---	0.0	8.7	0.0	3.3		
823+12		4	4	5.78	5.78	---	---	---	---	8.7	8.7	3.3	3.3		
840+00		4	---	5.78	---	---	---	---	---	8.7	0.0	3.3	0.0		
841+76		4	---	5.78	---	---	---	---	---	8.7	0.0	3.3	0.0		
863+83		6	---	8.67	---	---	---	---	---	11.6	0.0	4.4	0.0		
888+98		12	---	---	---	17.3	---	---	---	20.2	0.0	7.6	0.0		
898+53		4	4	5.78	5.78	---	---	---	---	8.7	8.7	3.3	3.3		
904+50		10	---	14.44	---	---	---	---	---	17.3	0.0	6.6	0.0		
916+22		6	6	8.67	8.67	---	---	---	---	11.6	11.6	4.4	4.4		
923+46		4	4	5.78	5.78	---	---	---	---	8.7	8.7	3.3	3.3		
927+47		15	---	---	---	21.7	---	---	---	24.6	0.0	9.3	0.0		
928+80		10	---	14.44	---	---	---	---	---	17.3	0.0	6.6	0.0		
935+12		---	8	---	11.56	---	---	---	---	0.0	14.5	0.0	5.5		
953+95		10	10	14.44	14.44	---	---	---	---	17.3	17.3	6.6	6.6		
945+80		4	4	5.78	5.78	---	---	---	---	8.7	8.7	3.3	3.3		
956+33		15	15	---	---	21.7	21.7	---	---	24.6	24.6	9.3	9.3		
962+30		10	10	14.44	14.44	---	---	---	---	17.3	17.3	6.6	6.6		
963+30		15	15	---	---	21.7	21.7	---	---	24.6	24.6	9.3	9.3		
966+50		4	4	5.78	5.78	---	---	---	---	8.7	8.7	3.3	3.3		
969+20		---	20	---	---	---	---	---	28.9	0.0	31.8	0.0	12.0		

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	DRAWN -	REVISED -
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PLOT DATE = 5/20/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78
NB & SB PATCHING SCHEDULE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS1	HENRY	54	25
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

IL 78 NB & SB PATCHING SCHEDULE															
				44200156		44200160		44200162		44002227		40601005			
STATION	REMARKS	LENGTH OF PATCH		TYPE 2		TYPE 3		TYPE 4		HMA REMOVAL		HMA REPLACEMENT			
				PAVEMENT PATCHING, 13"								OVER PATCHES 6.75"		OVER PATCHES	
		LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE	LT LANE	RT LANE		
		FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON		
970+60		20	---	---	---	---	---	28.9	---	31.8	0.0	12.0	0.0		
970+75		---	60	---	---	---	---	---	86.7	0.0	89.6	0.0	33.9		
971+56		10	10	14.44	14.44	---	---	---	---	17.3	17.3	6.6	6.6		
974+16		15	15	---	---	21.7	21.7	---	---	24.6	24.6	9.3	9.3		
976+75		40	---	---	---	---	---	57.8	---	60.7	0.0	22.9	0.0		
976+89		---	10	---	14.44	---	---	---	---	0.0	17.3	0.0	6.6		
978+48		10	---	14.44	---	---	---	---	---	17.3	0.0	6.6	0.0		
980+25		50	---	---	---	---	---	72.2	---	75.1	0.0	28.4	0.0		
981+12		6	---	8.67	---	---	---	---	---	11.6	0.0	4.4	0.0		
982+60		---	70	---	---	---	---	---	101.1	0.0	104.0	0.0	39.3		
987+20		20	---	---	---	---	---	28.9	---	31.8	0.0	12.0	0.0		
987+24		---	6	---	8.67	---	---	---	---	0.0	11.6	0.0	4.4		
992+03		---	18	---	---	---	---	---	26.0	0.0	28.9	0.0	10.9		
993+60		---	10	---	14.44	---	---	---	---	0.0	17.3	0.0	6.6		
997+10		---	15	---	---	---	21.7	---	---	0.0	24.6	0.0	9.3		
1001+43		---	46	---	---	---	---	---	66.4	0.0	69.3	0.0	26.2		
1002+52		15	---	---	---	21.7	---	---	---	24.6	0.0	9.3	0.0		
1002+56		---	4	---	5.78	---	---	---	---	0.0	8.7	0.0	3.3		
1006+30		50	---	---	---	---	---	72.2	---	75.1	0.0	28.4	0.0		
1007+17		18	4	---	5.78	---	---	26.0	---	28.9	8.7	10.9	3.3		
1021+44		10	---	14.44	---	---	---	---	---	17.3	0.0	6.6	0.0		
1027+58		26	---	---	---	---	---	37.6	---	40.5	0.0	15.3	0.0		
1029+33		20	---	---	---	---	---	28.9	---	31.8	2.9	12.0	1.1		
1031+09		4	4	5.78	5.78	---	---	---	---	8.7	8.7	3.3	3.3		
1045+55		20	20	---	---	---	---	28.9	28.9	31.8	31.8	12.0	12.0		
1048+16		10	---	14.44	---	---	---	---	---	17.3	0.0	6.6	0.0		

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 DATE: 5/20/2019

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78
NB & SB PATCHING SCHEDULE

SCALE: SHEET OF SHEETS STA. TO STA.

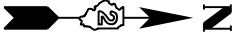
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS1	HENRY	54	26
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

NO PASSING ZONE SCHEDULE

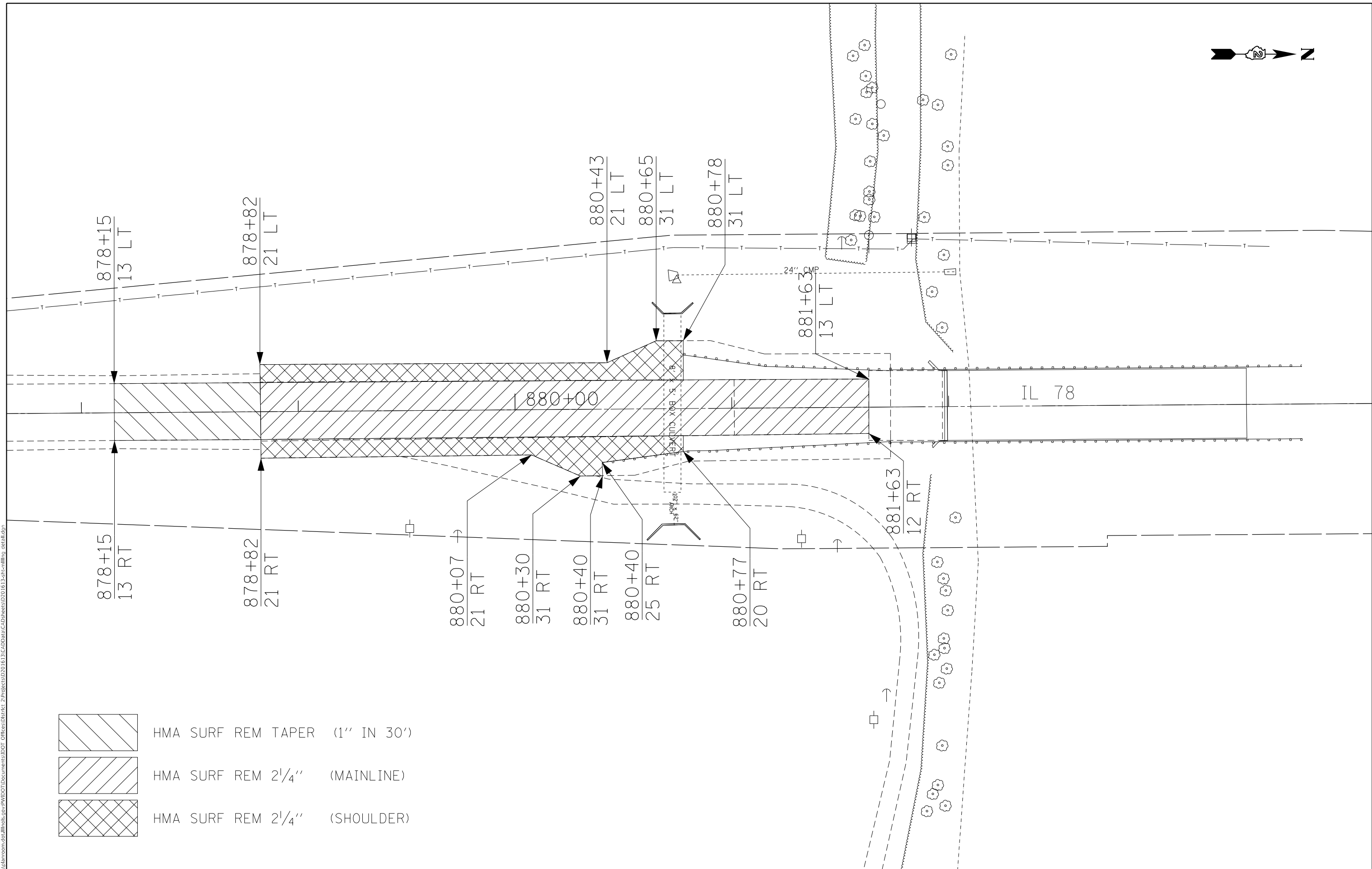
SOUTHBOUND NO PASSING ZONES			
Station	TO	Station	Remark
604+50.65			Beginning of Job
704+29	-	711+15	NPZ
785+07	-	811+47	NPZ
857+41	-	866+91	NPZ
880+11	-	888+56	NPZ
1012+11			HOOPPOLE
1133+03	-	1147+43	NPZ
1147+43	-	1155+33	Painted median
1155+73			IL 92 W
1156+79	-	1163+94	Painted median
NORTHBOUND NO PASSING ZONES			
Station	TO	Station	Remark
604+51			Beginning of Job
672+08	-	707+46	NPZ
776+63	-	806+19	NPZ
847+38	-	857+41	NPZ
874+83	-	883+81	NPZ
1012+11			HOOPPOLE
1122+47	-	1147+43	NPZ
1147+43	-	1155+33	Painted median
1155+73			IL 92 W
1156+79	-	1163+94	Painted median

MODEL: Default
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	USER NAME = hogensonjd DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 78 NO PASSING ZONE SCHEDULE	F.A.P. RTE. 22 SECTION (123,124,125)RS1 COUNTY HENRY TOTAL SHEETS 54 SHEET NO. 32	CONTRACT NO. 64J40 ILLINOIS FED. AID PROJECT
				SCALE:	SHEET OF SHEETS	STA. TO STA.



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- HMA SURF REM TAPER (1" IN 30')
- HMA SURF REM 2 1/4" (MAINLINE)
- HMA SURF REM 2 1/4" (SHOULDER)

USER NAME = hogensonjd	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	
PLOT DATE = 5/20/2019	DATE -	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

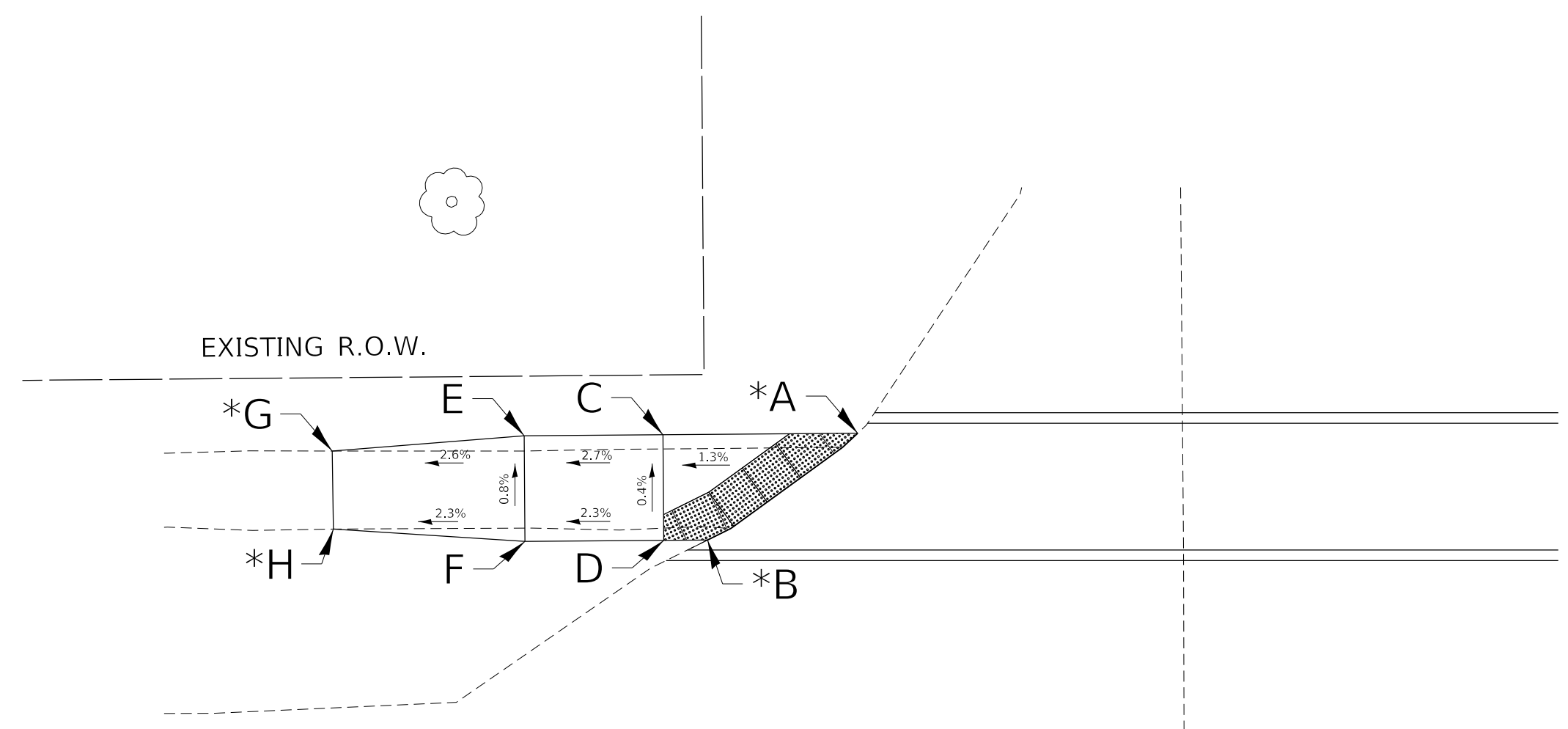
IL ROUTE 78 MILLING DETAIL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	33
CONTRACT NO. 64J40				
FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

← MAIN STREET (HOOPPOLE, IL) →



↑ IL ROUTE 78 ↓



IL 78 AND MAIN STREET NW QUAD

POINT	STATION	OFFSET	SIDE	ELEVATION
A	1012+77.04	27.75	LT	618.81
B	1012+72.04	34.89	LT	618.73
C	1012+77.04	36.89	LT	618.69
D	1012+72.04	36.89	LT	618.71
E	1012+77.04	43.54	LT	618.52
F	1012+72.04	43.54	LT	618.56
G	1012+76.39	52.65	LT	618.28
H	1012+72.70	52.62	LT	618.35

* MATCH EXISTING ELEVATIONS

MODEL: Default
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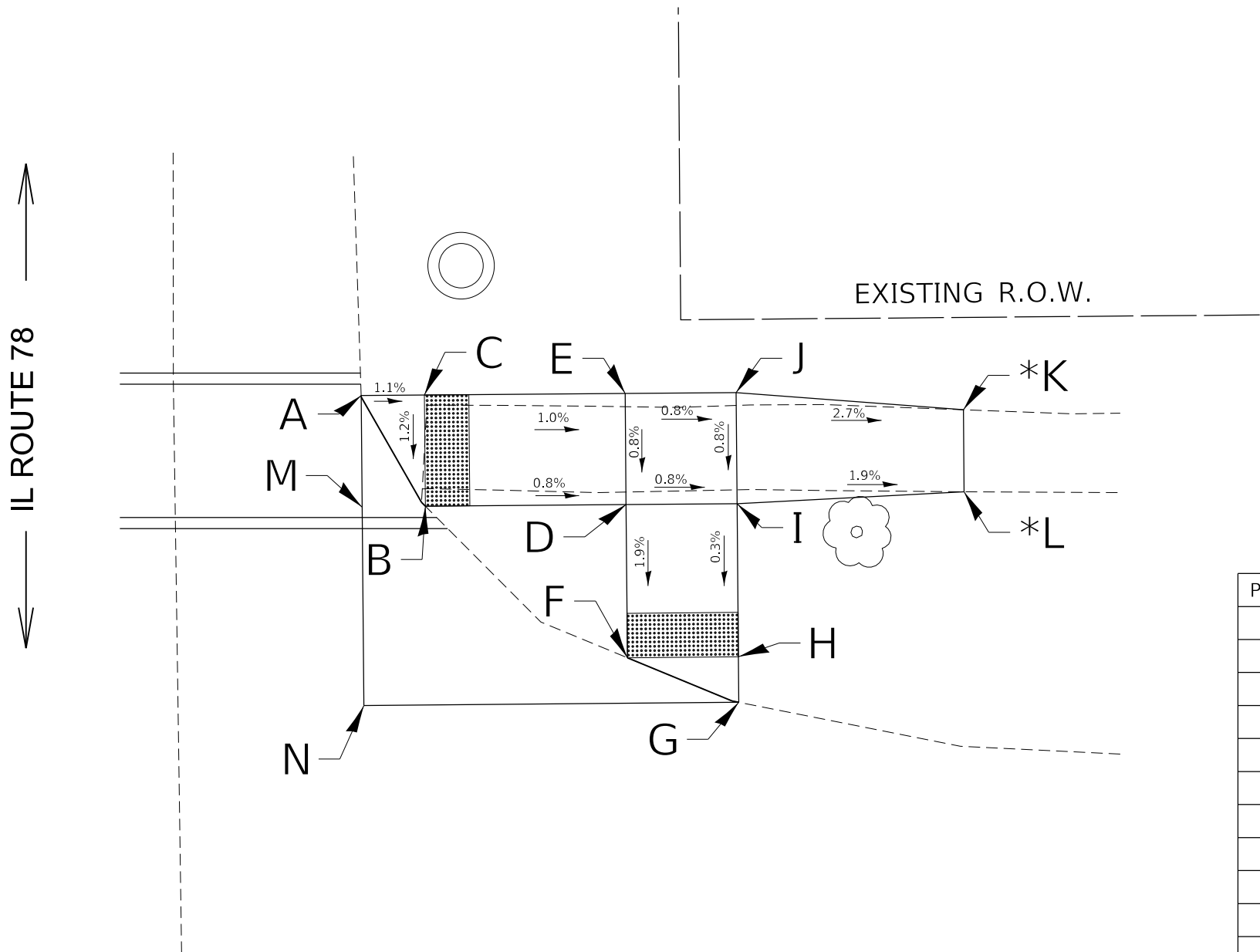
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	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 78 ADA RAMP DETAIL NW QUADRANT			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	34
FED. ROAD DIST. NO.			CONTRACT NO. 64J40	
ILLINOIS FED. AID PROJECT				

← MAIN STREET (HOOPPOLE, IL) →



IL 78 AND MAIN STREET NE QUAD

POINT	STATION	OFFSET	SIDE	ELEVATION
A	1012+76.64	20.59	RT	619.60
B	1012+71.64	23.44	RT	619.51
C	1012+76.64	23.44	RT	619.57
D	1012+71.64	32.48	RT	619.44
E	1012+76.64	32.48	RT	619.48
F	1012+64.74	32.48	RT	619.31
G	1012+62.70	37.49	RT	619.36
H	1012+64.75	37.48	RT	619.38
I	1012+71.64	37.48	RT	619.40
J	1012+76.64	37.47	RT	619.44
K	1012+75.79	47.70	RT	619.16
L	1012+72.10	47.70	RT	619.21
M	1012+71.64	20.56	RT	619.59
N	1012+62.83	20.49	RT	619.67

* MATCH EXISTING ELEVATIONS

MODEL: Default
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USER NAME = hogensonjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA RAMP DETAIL NE QUADRANT

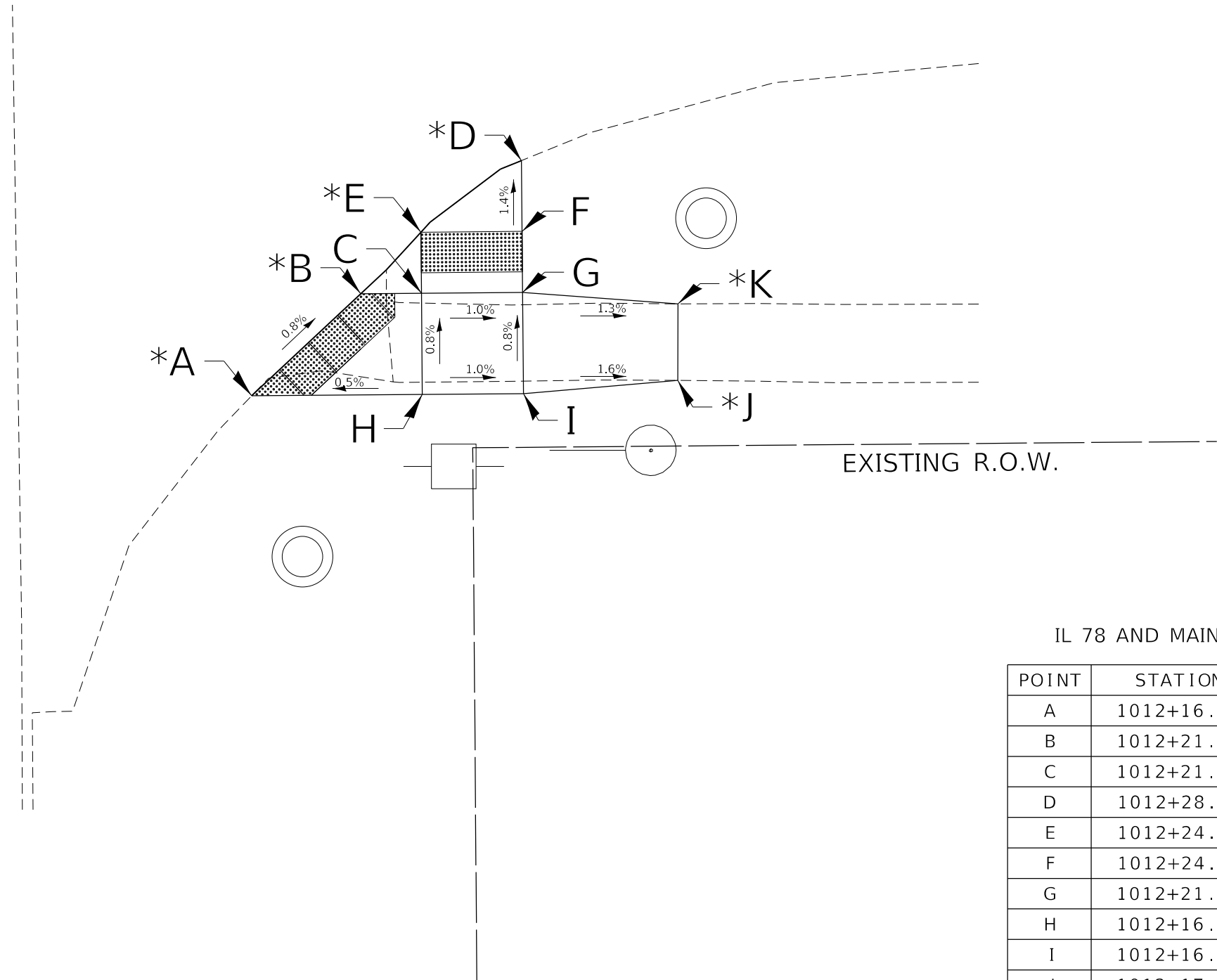
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	35
CONTRACT NO. 64J40				
ILLINOIS		FED. AID PROJECT		

← MAIN STREET (HOOPPOLE, IL) →



↑ IL ROUTE 78 ↓



IL 78 AND MAIN STREET SE QUAD

POINT	STATION	OFFSET	SIDE	ELEVATION
A	1012+16.59	24.10	RT	619.22
B	1012+21.59	29.53	RT	619.19
C	1012+21.59	32.52	RT	619.22
D	1012+28.11	37.52	RT	619.08
E	1012+24.61	32.52	RT	619.18
F	1012+24.61	37.52	RT	619.13
G	1012+21.59	37.52	RT	619.17
H	1012+16.59	32.52	RT	619.26
I	1012+16.59	37.52	RT	619.21
J	1012+17.19	45.15	RT	619.09
K	1012+20.97	45.20	RT	619.07

* MATCH EXISTING ELEVATIONS

MODEL: Default
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USER NAME = hogensonjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

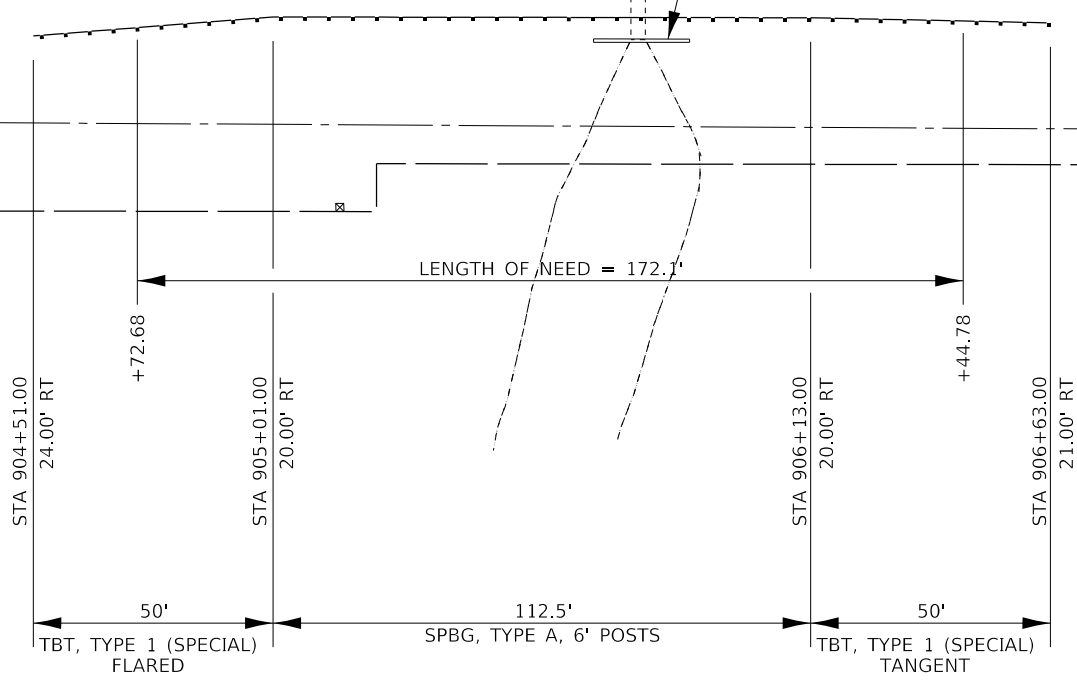
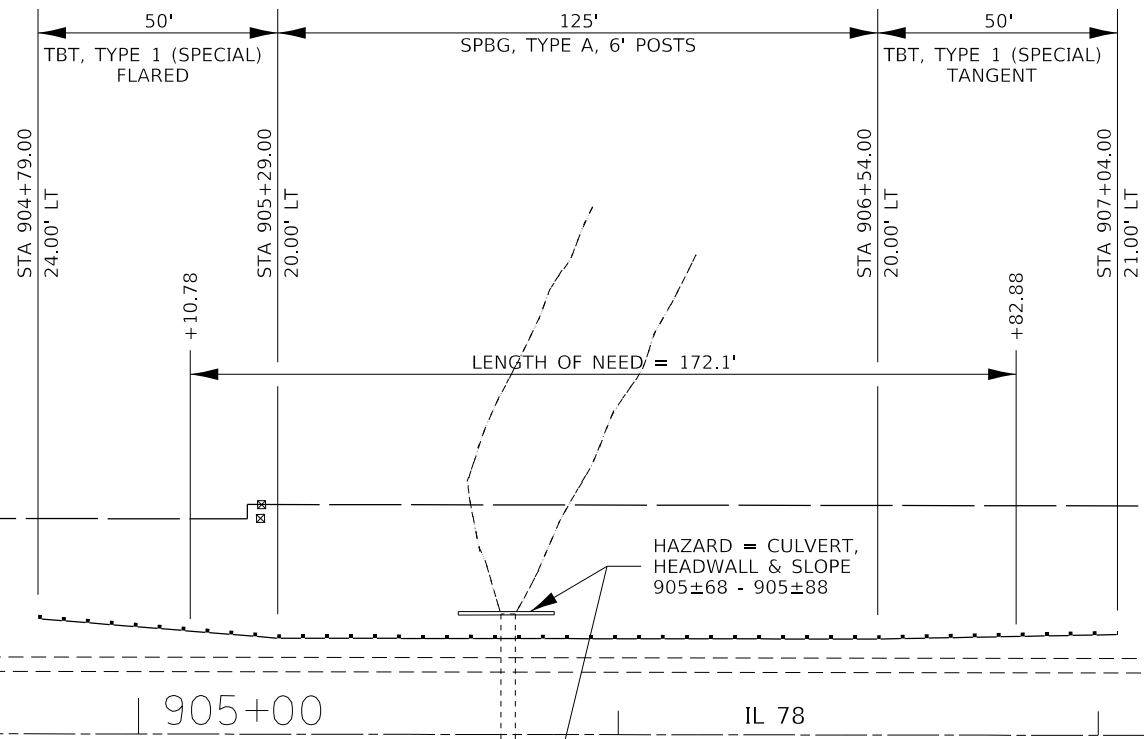
**IL ROUTE 78
ADA RAMP DETAIL SE QUADRANT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	37
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				



MODEL: Default
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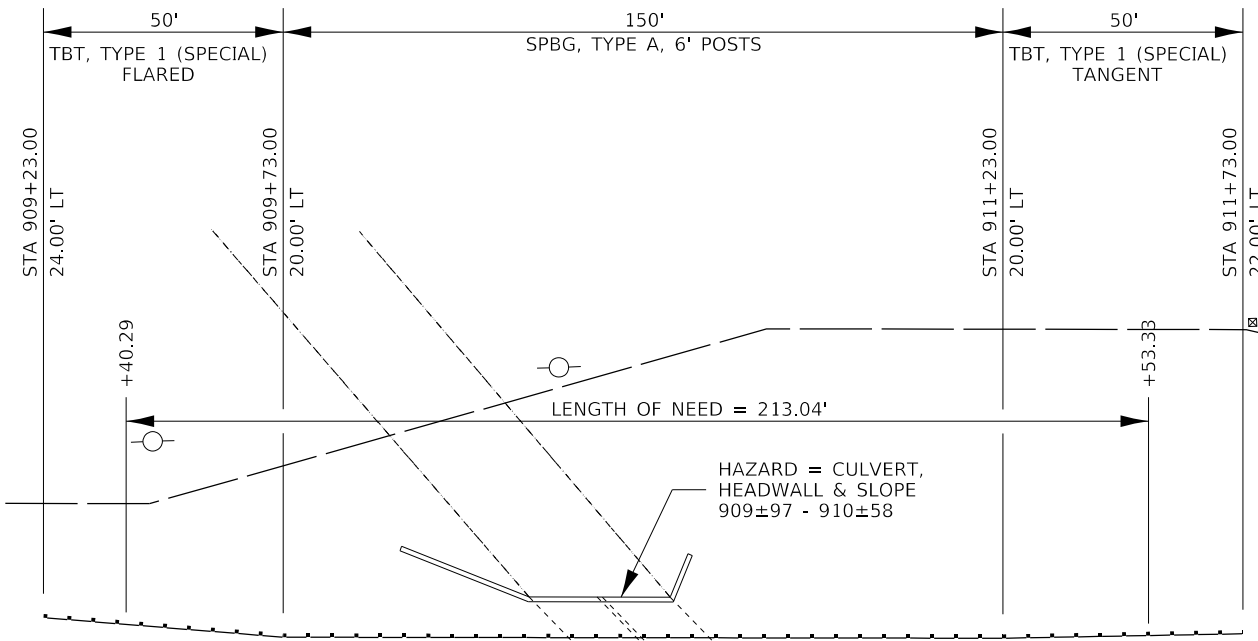
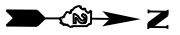
USER NAME = hogensonjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

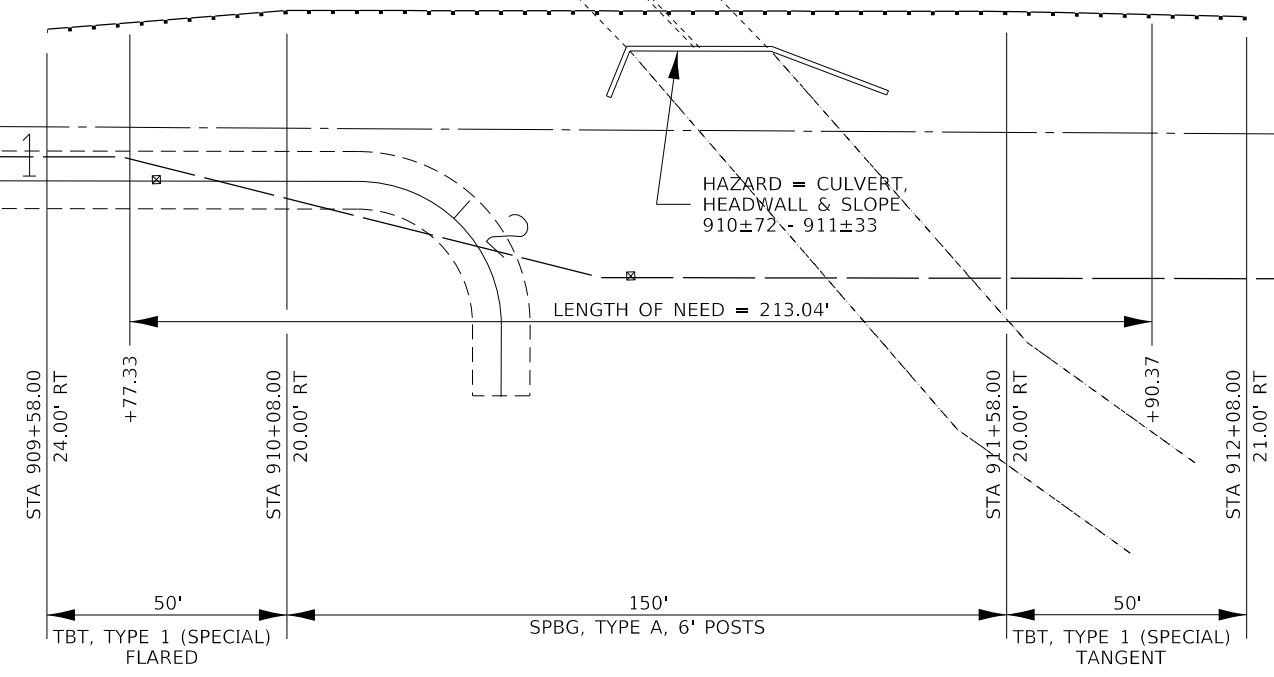
**IL ROUTE 78
 GUARDRAIL DETAIL**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	38
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				



910+00 IL 78



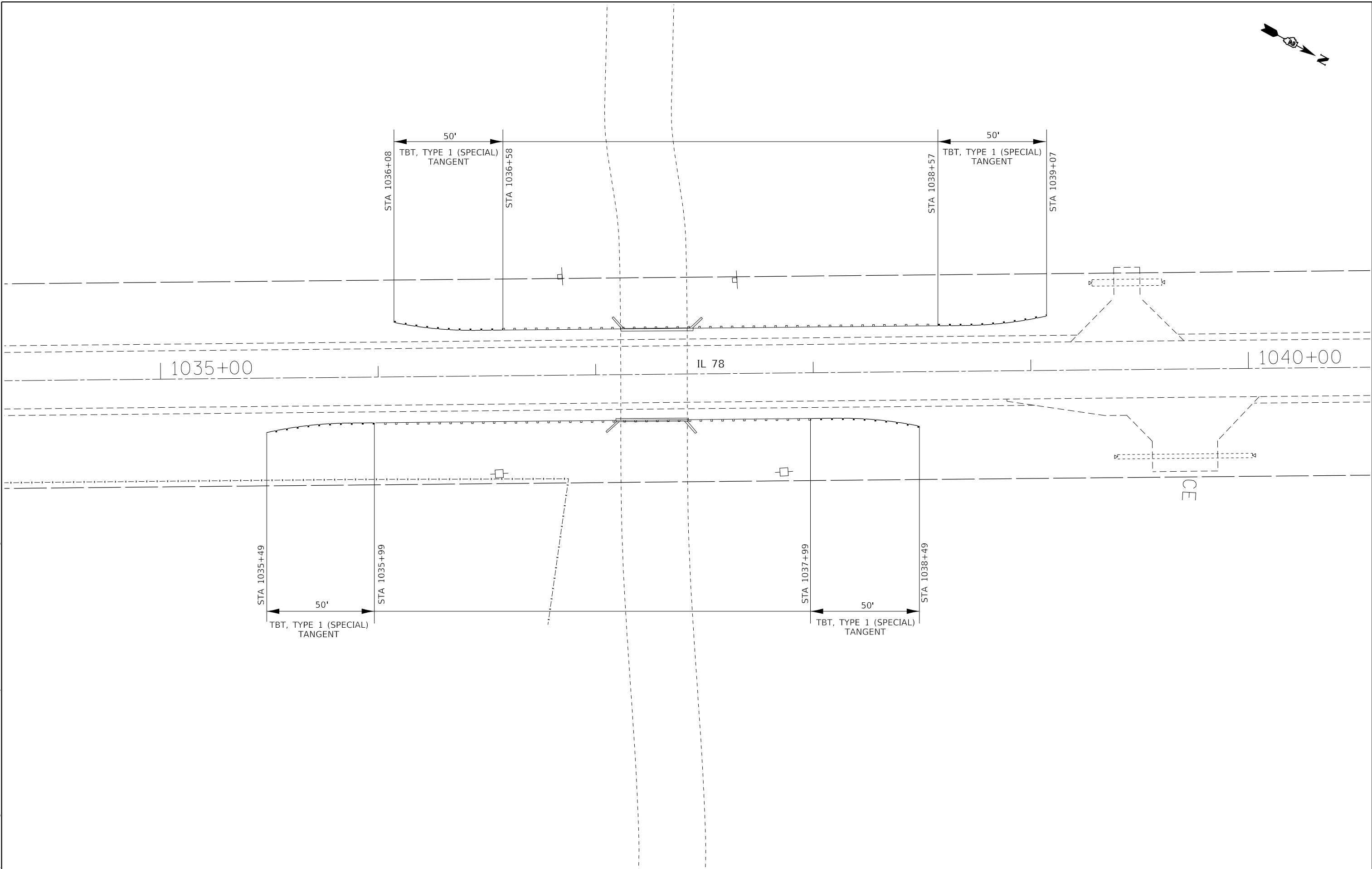
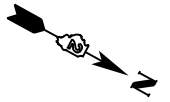
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USER NAME = hogensonjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 78 GUARDRAIL DETAIL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	39
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				



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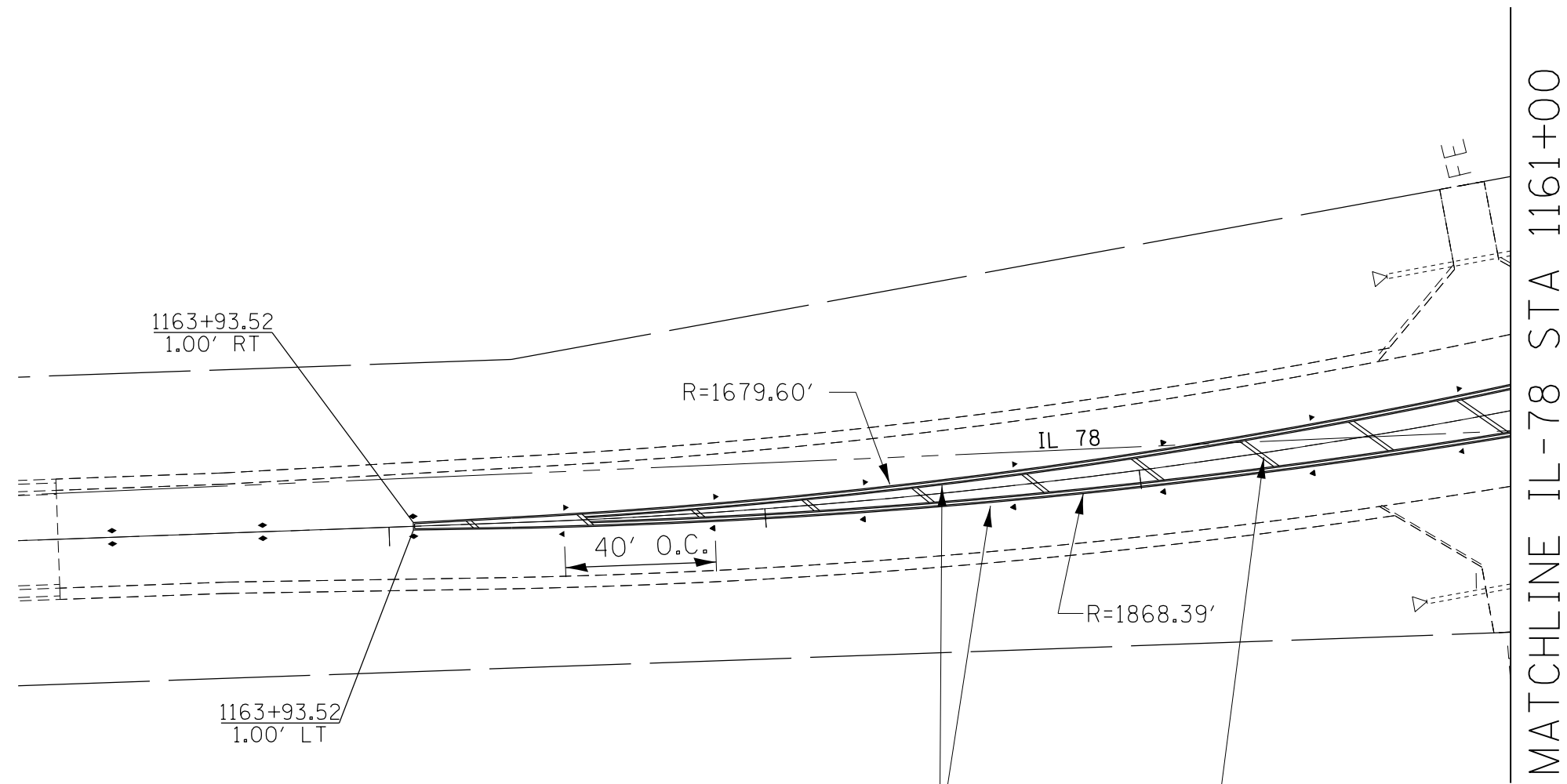
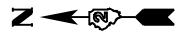
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	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78
GUARDRAIL DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	40
CONTRACT NO. 64J40				
		ILLINOIS	FED. AID PROJECT	



THERMOPLASTIC PAVEMENT MARKING - LINE 4" DOUBLE YELLOW

THERMOPLASTIC PAVEMENT MARKING - LINE 12" YELLOW DIAGONAL

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

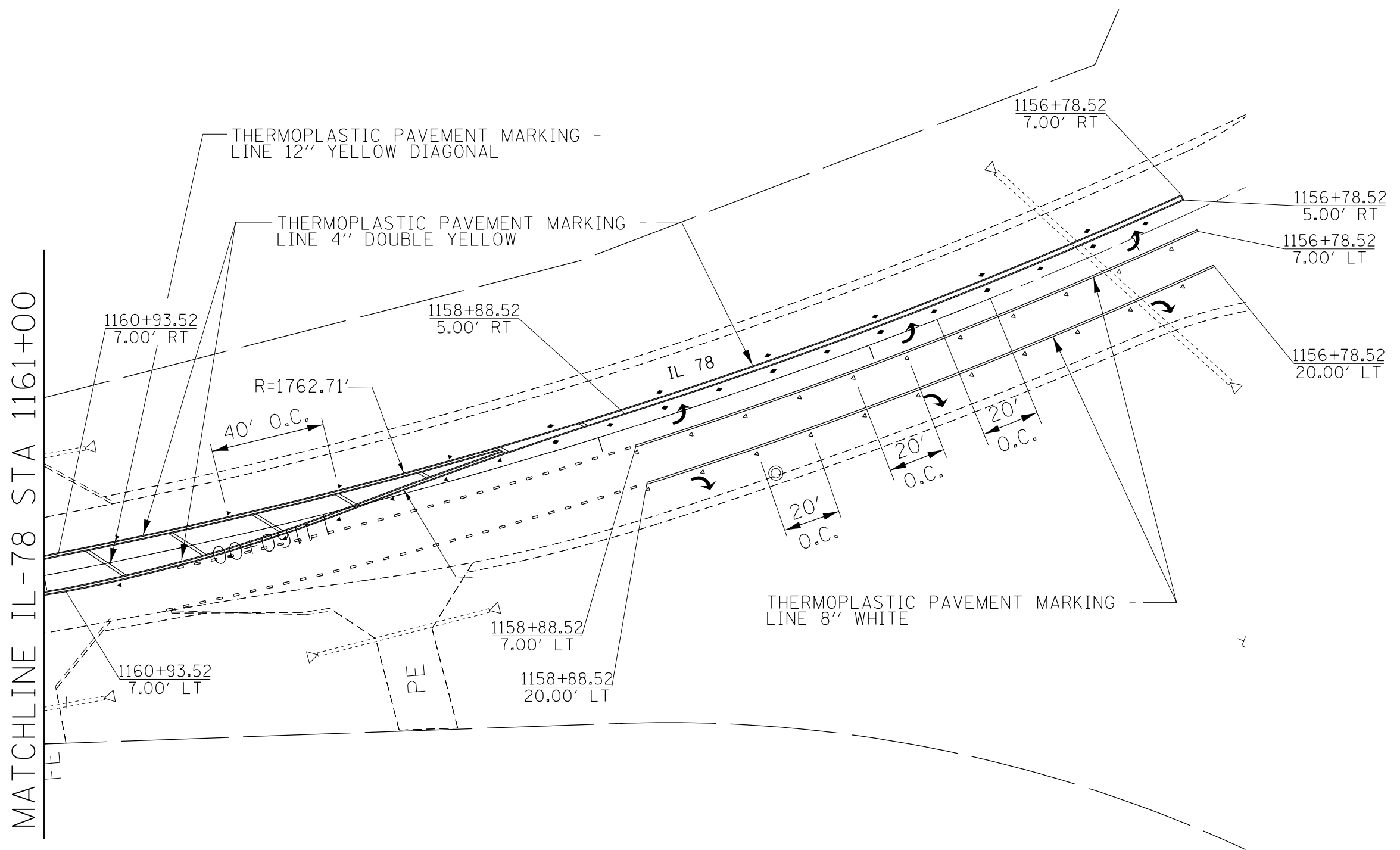
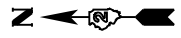
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USER NAME = hogensonjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 78 PAVEMENT MARKING				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	41
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				



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

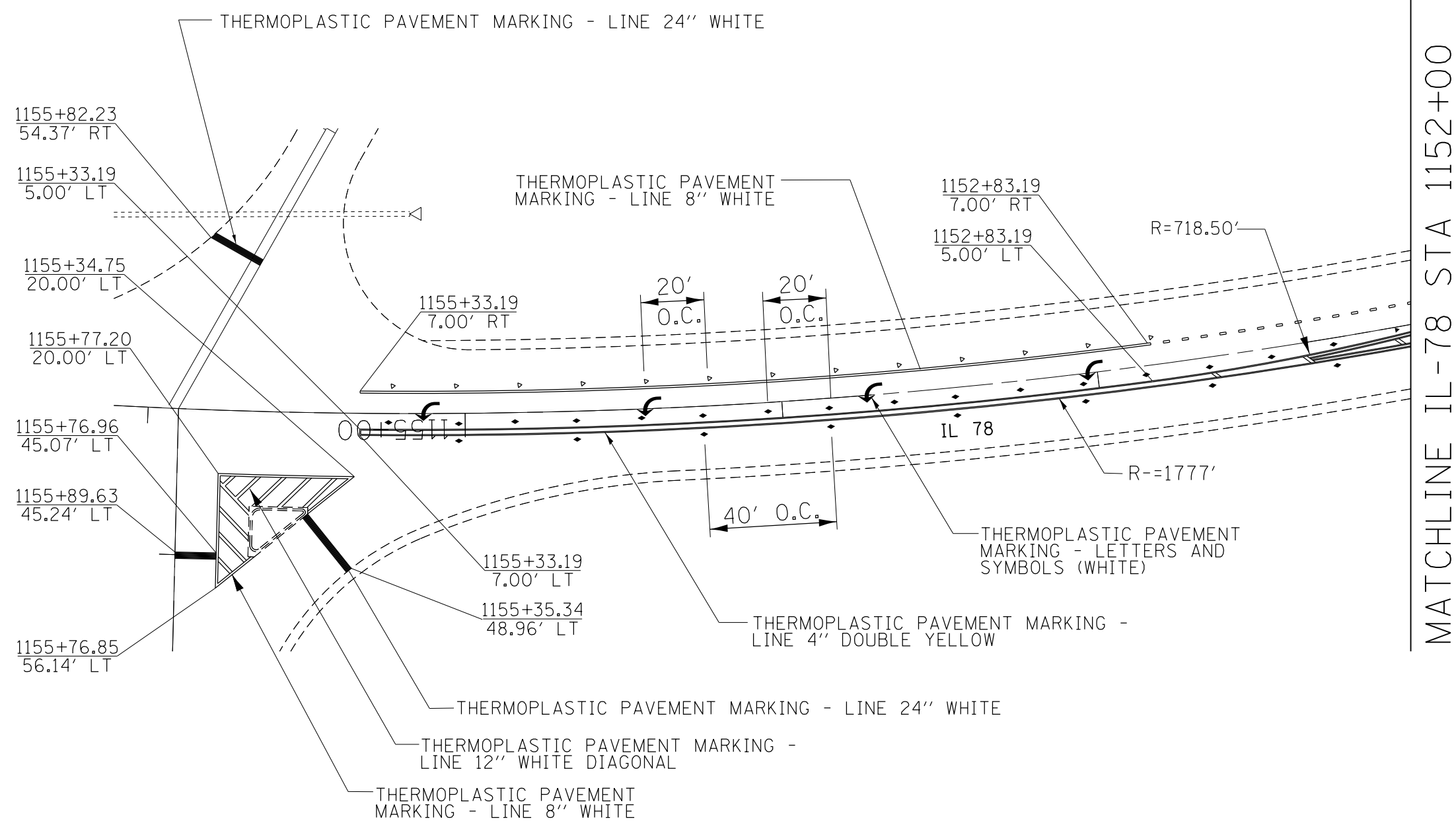
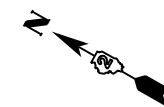
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USER NAME = hogensonjd	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78				
PAVEMENT MARKING				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	42
CONTRACT NO. 64J40				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

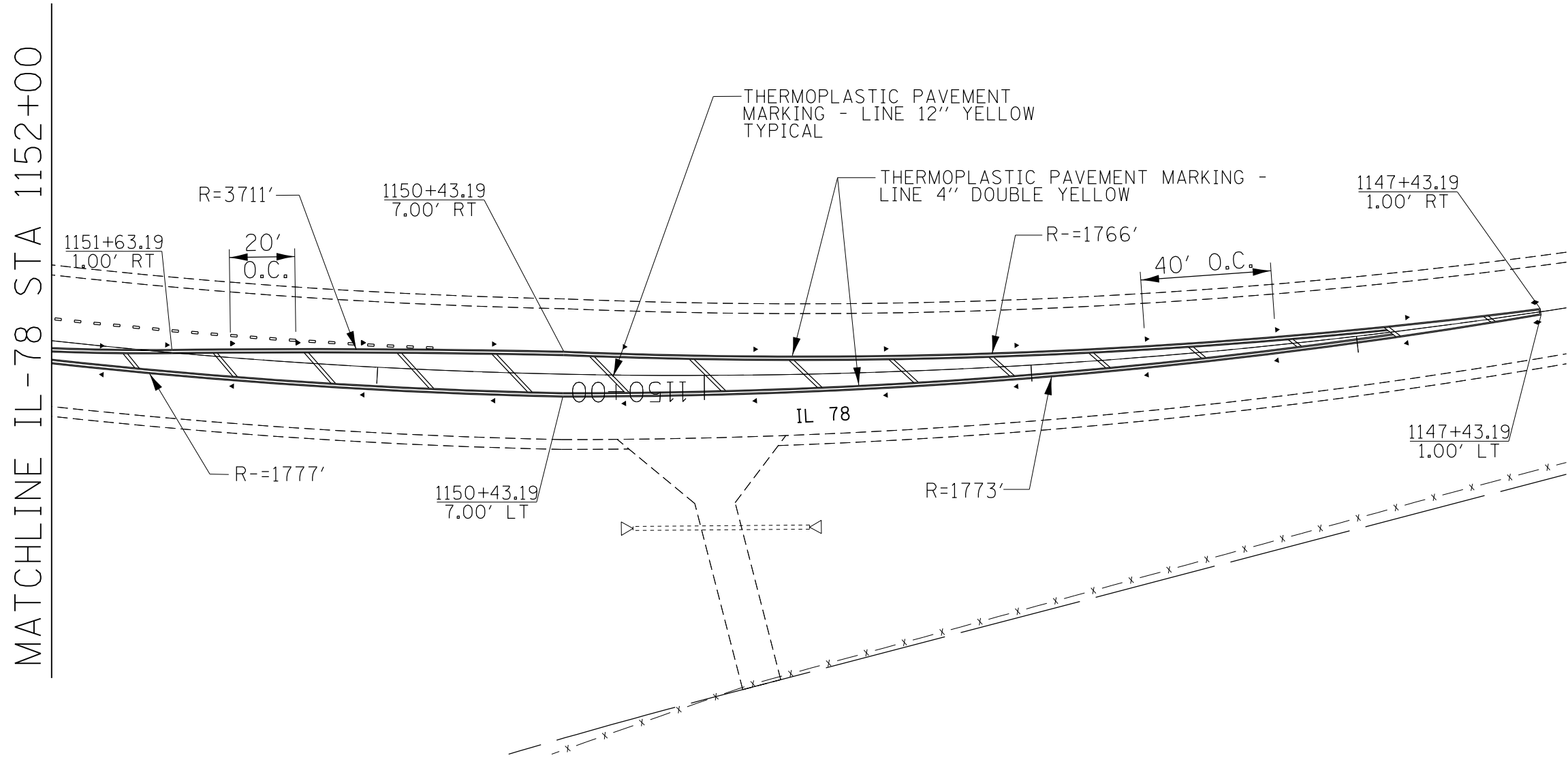
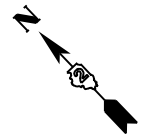
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USER NAME = hogensonjd	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/20/2019	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL ROUTE 78 PAVEMENT MARKING	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	43
CONTRACT NO. 64J40				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



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

MODEL: Default
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USER NAME = hogensonjd	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

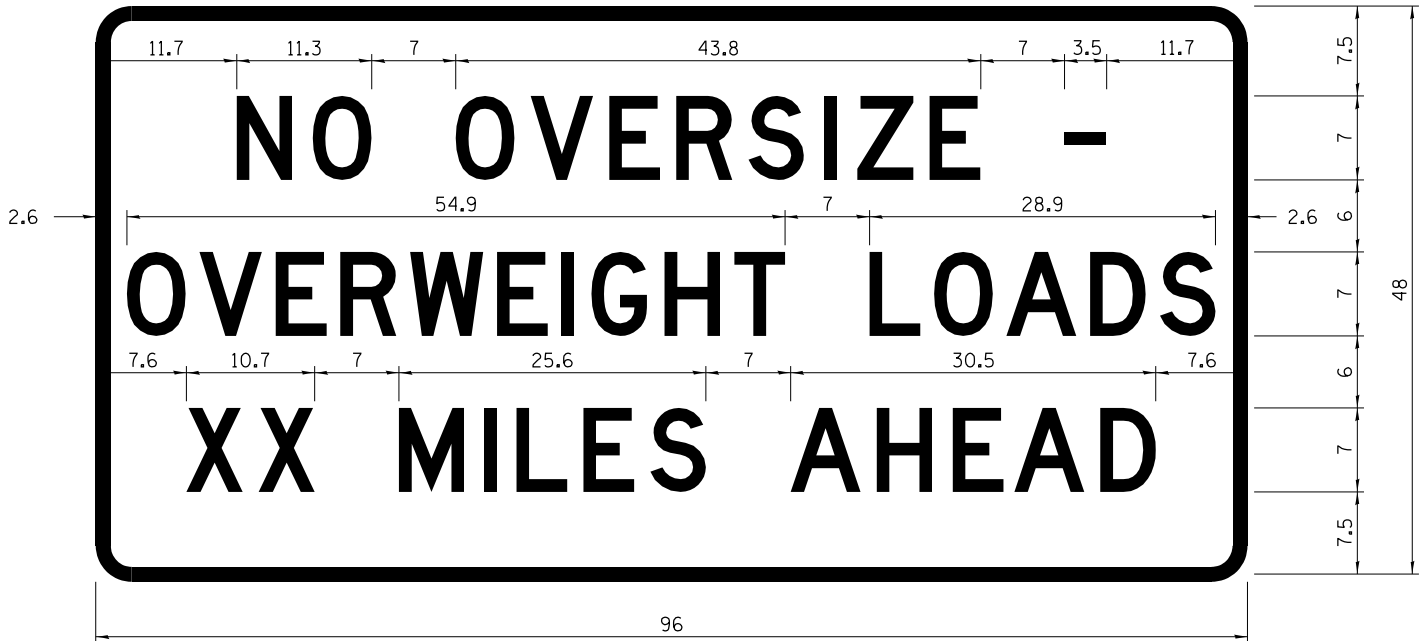
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78				
PAVEMENT MARKING				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	44
CONTRACT NO. 64J40				
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
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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.

MODEL: Default
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USER NAME = hogensonjd	DESIGNED -	REVISED - 3-02-16
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 5/20/2019	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78
REGION 2 / DISTRICT 2 STANDARD

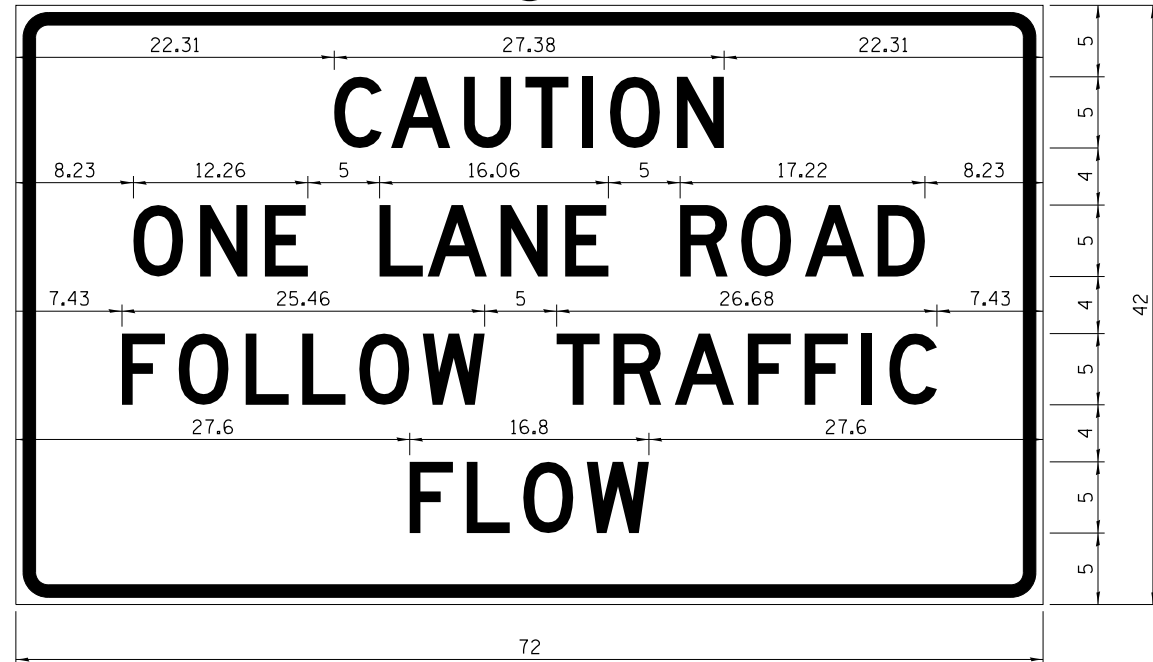
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	47
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

**ENTRANCE SIGN FOR USE
WITH TEMPORARY SIGNALS**

WORK ZONE SIGN DETAILS

②



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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

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

Table Of Widths And Spaces

22.31	C	0.62	A	0.94	U	0.94	T	0.94	I	1.17	O	1.17	N	3.36	22.31
-------	---	------	---	------	---	------	---	------	---	------	---	------	---	------	-------

8.23	O	1.17	N	1.18	E
------	---	------	---	------	---

5.00	L	0.31	A	0.94	N	1.17	E
------	---	------	---	------	---	------	---

5.00	R	0.93	O	0.94	A	0.93	D	8.23
------	---	------	---	------	---	------	---	------

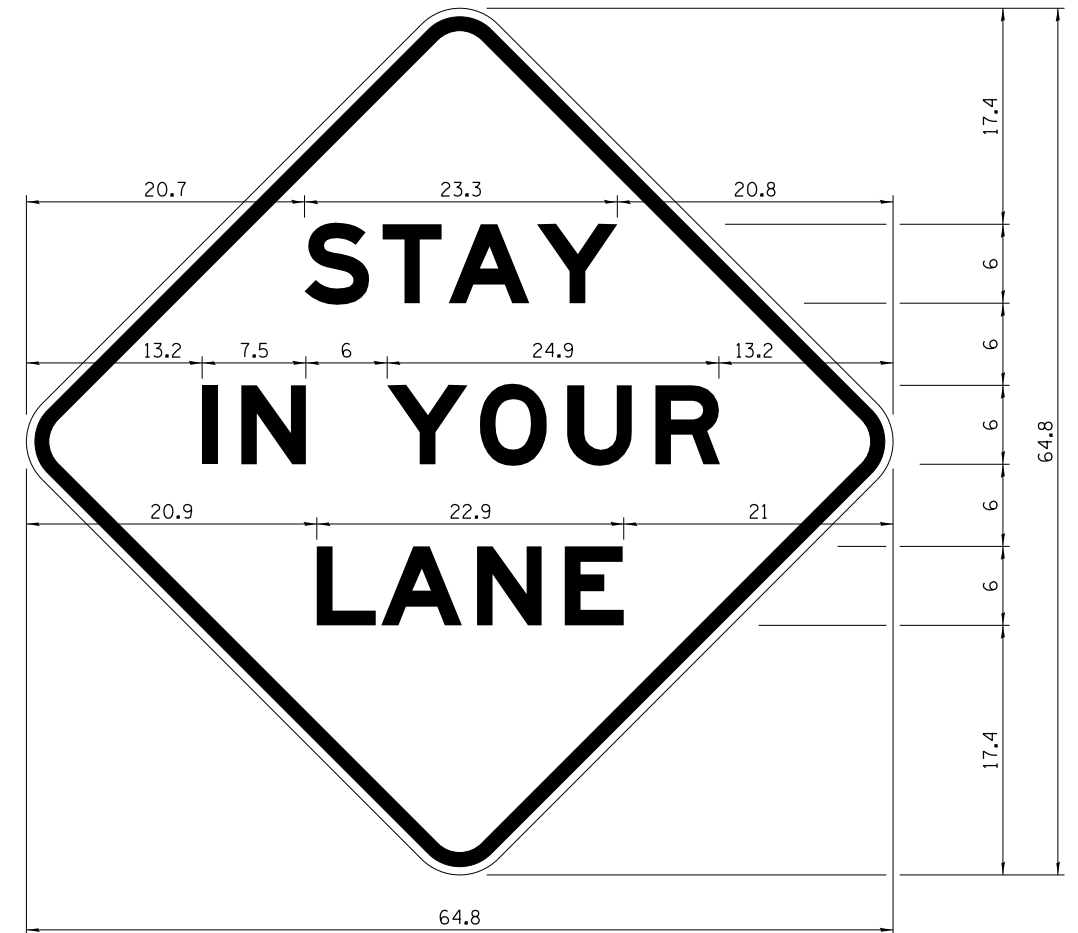
7.43	F	0.94	O	1.17	L	0.94	L	0.94	O	0.94	W
------	---	------	---	------	---	------	---	------	---	------	---

5.00	T	0.94	R	0.94	A	0.93	F	0.94	F	0.94	I	1.18	C	7.43
------	---	------	---	------	---	------	---	------	---	------	---	------	---	------

27.60	F	0.94	L	0.94	O	0.93	W	27.60
-------	---	------	---	------	---	------	---	-------

Sign not to scale

STAY IN YOUR LANE



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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

Table of Letter and Object Lefts

S	T	A	Y
---	---	---	---

I	N	Y	O	U	R
---	---	---	---	---	---

L	A	N	E
---	---	---	---

Sign not to scale

GENERAL NOTES

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

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

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

All dimensions are in inches unless otherwise noted.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78
REGION 2 / DISTRICT 2 STANDARD

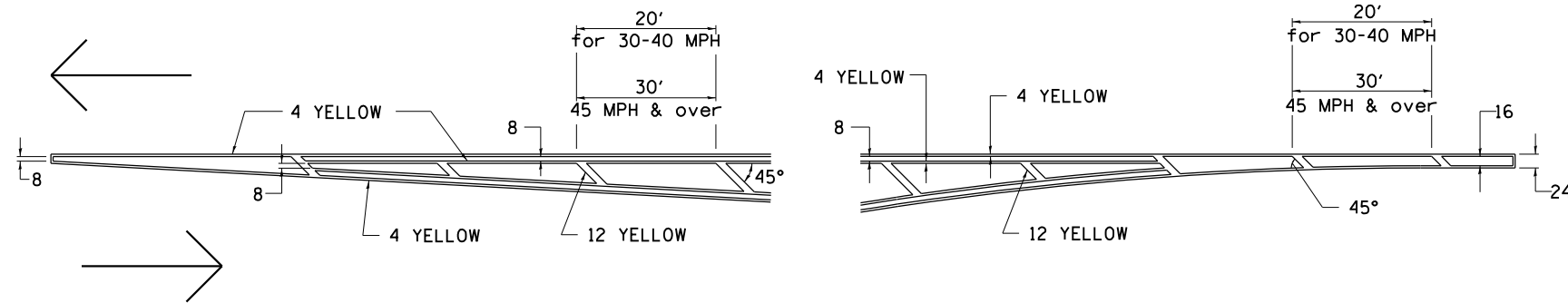
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	48
CONTRACT NO. 64J40				

SCALE: SHEET OF SHEETS STA. TO STA.

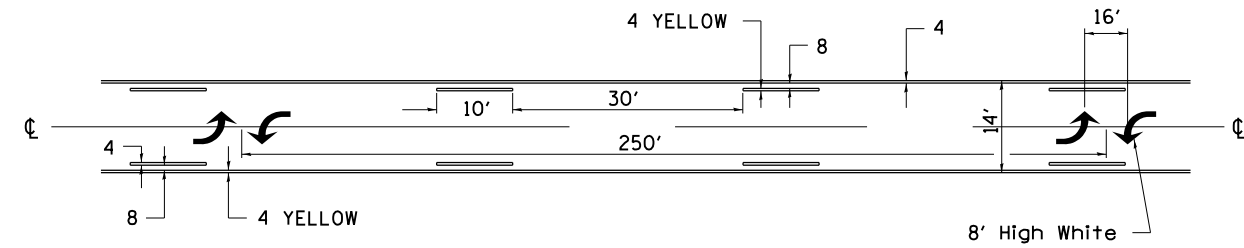
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PROJECT: 020101613\020101613\020101613 -shc-detail.dwg
PROJECT: 020101613\020101613\020101613 -shc-detail.dwg

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

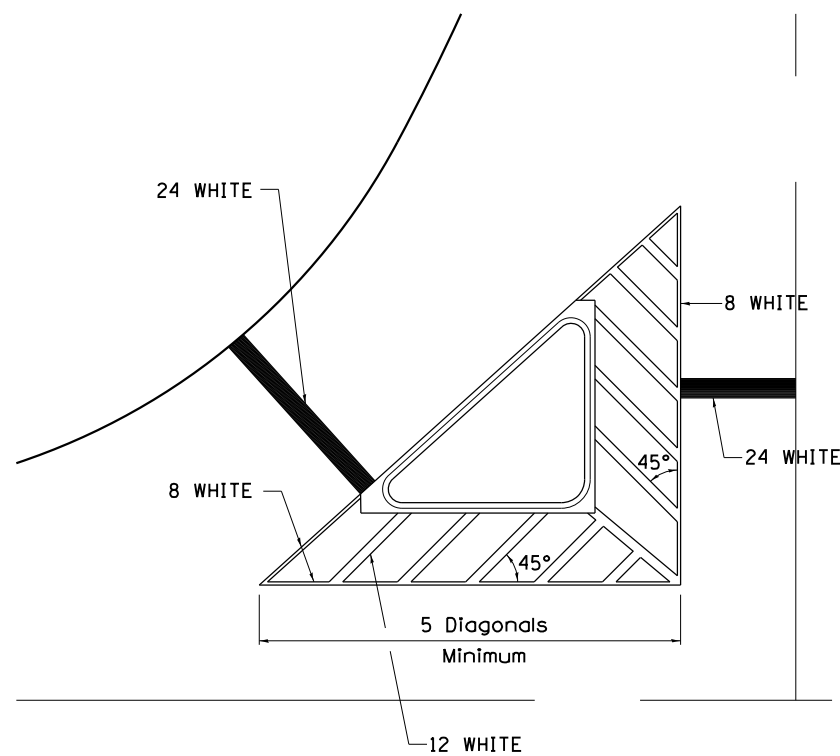


MEDIAN PAVEMENT MARKING



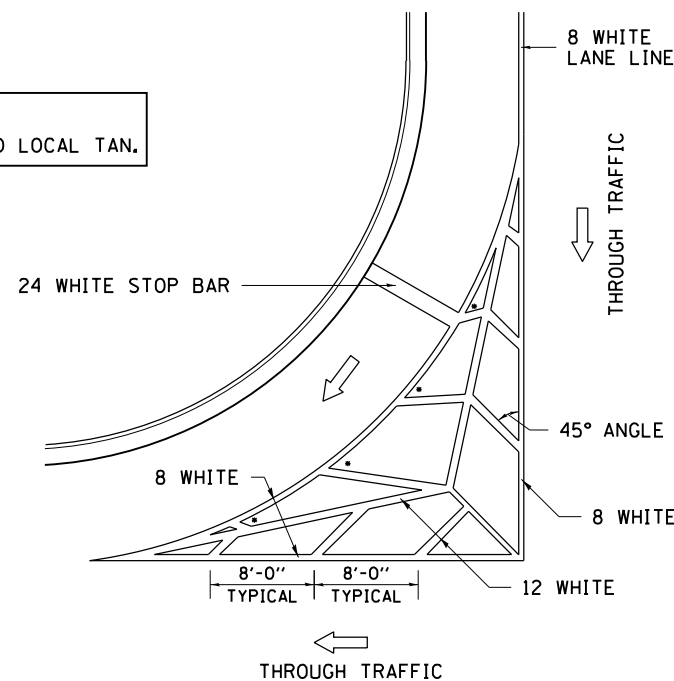
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



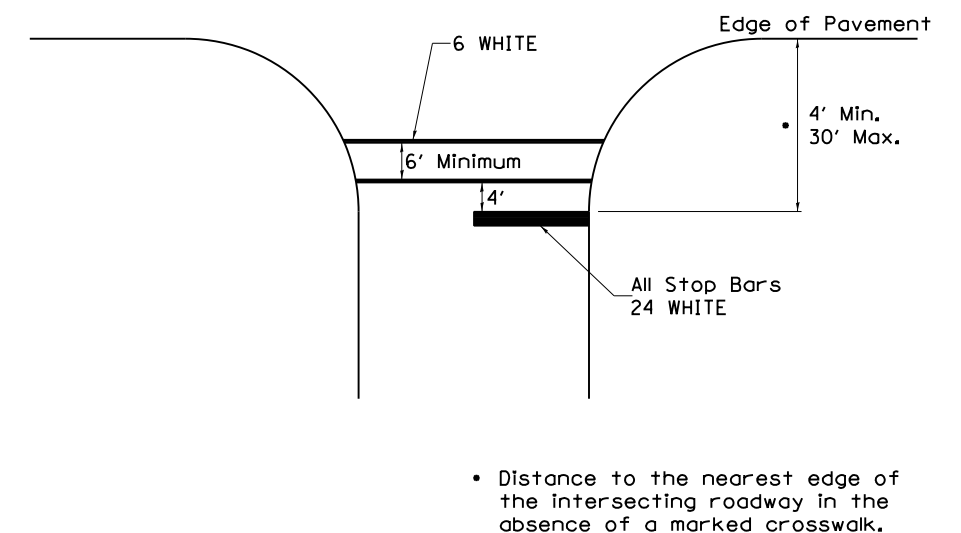
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



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FILE: Model: Pavement.dgn
PROJECT: 123124125RS-1
DRAWING: 123124125RS-1-PAVEMENT.dgn

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	DRAWN -	REVISED - 3-05-12
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

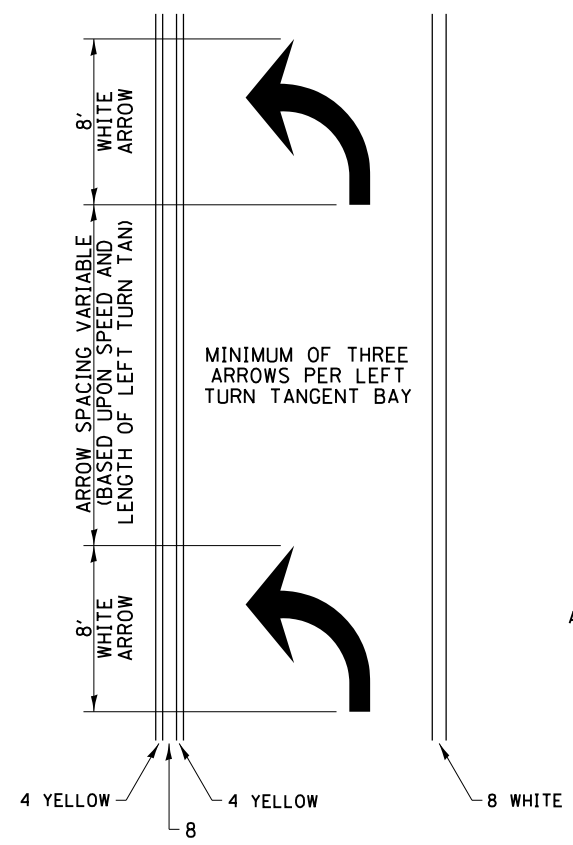
IL ROUTE 78
REGION 2 / DISTRICT 2 STANDARD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	49
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS

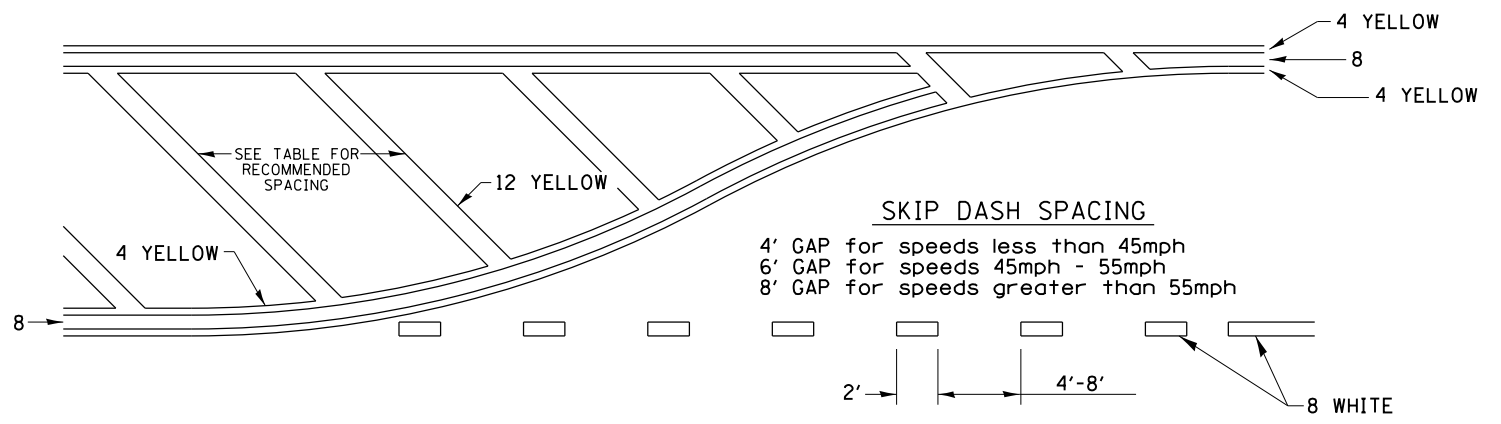
ARROW LAYOUT



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

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

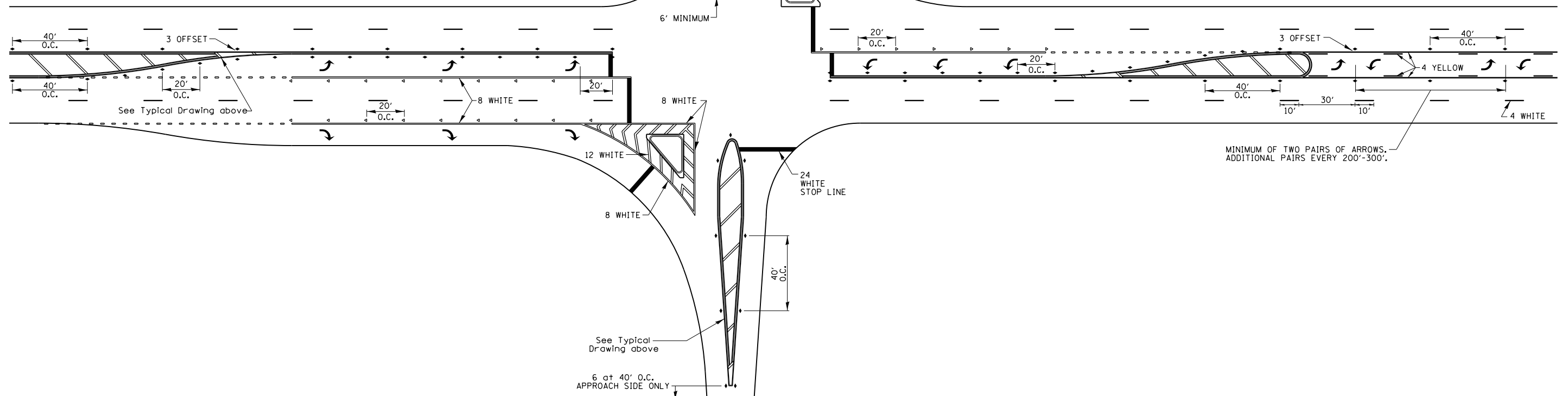
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



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.



MODEL: Default
 FILE: \\blm\c:\pub\planroom\dat\illinois\gov\pww\dot\Documents\DOT_Offices\District 2\Projects\ID201613\CaddData\CAD\Sheet\ID201613_sht-2e-2a116.dgn

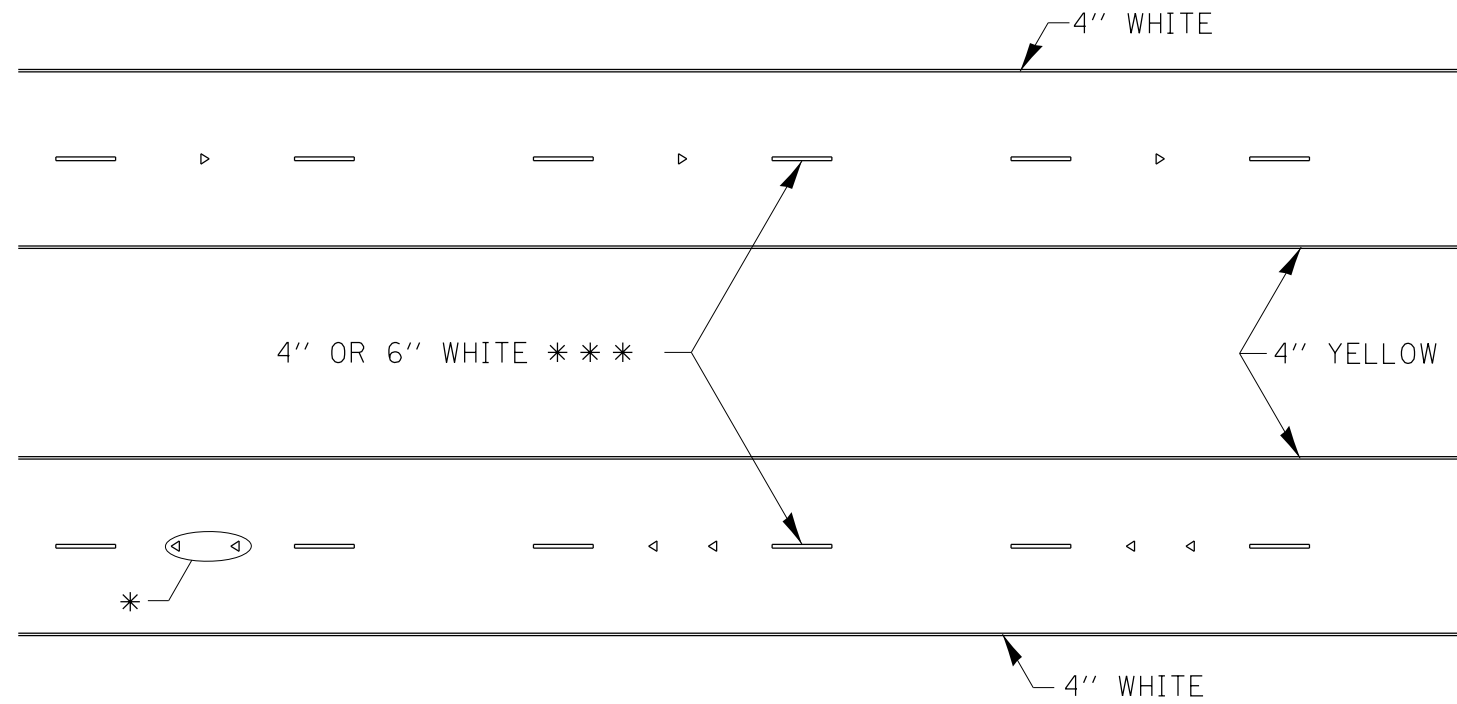
USER NAME = hogensonjd	DESIGNED -	REVISED - 6-27-14
	DRAWN -	REVISED - 3-05-12
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/20/2019	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78 REGION 2 / DISTRICT 2 STANDARD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

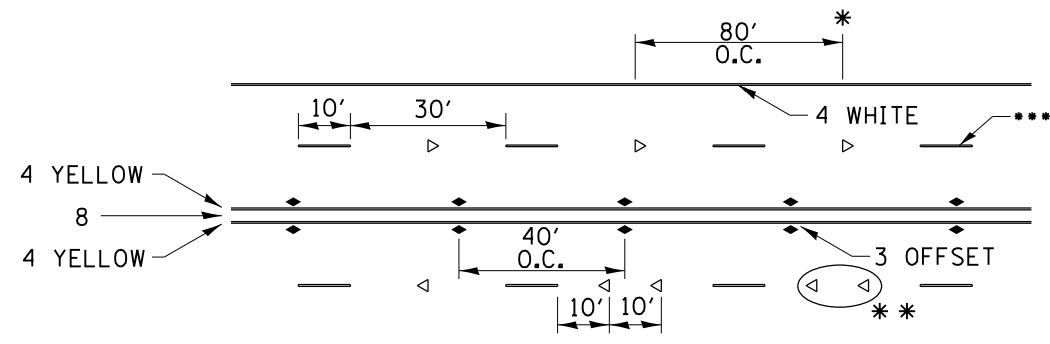
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	50
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

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.

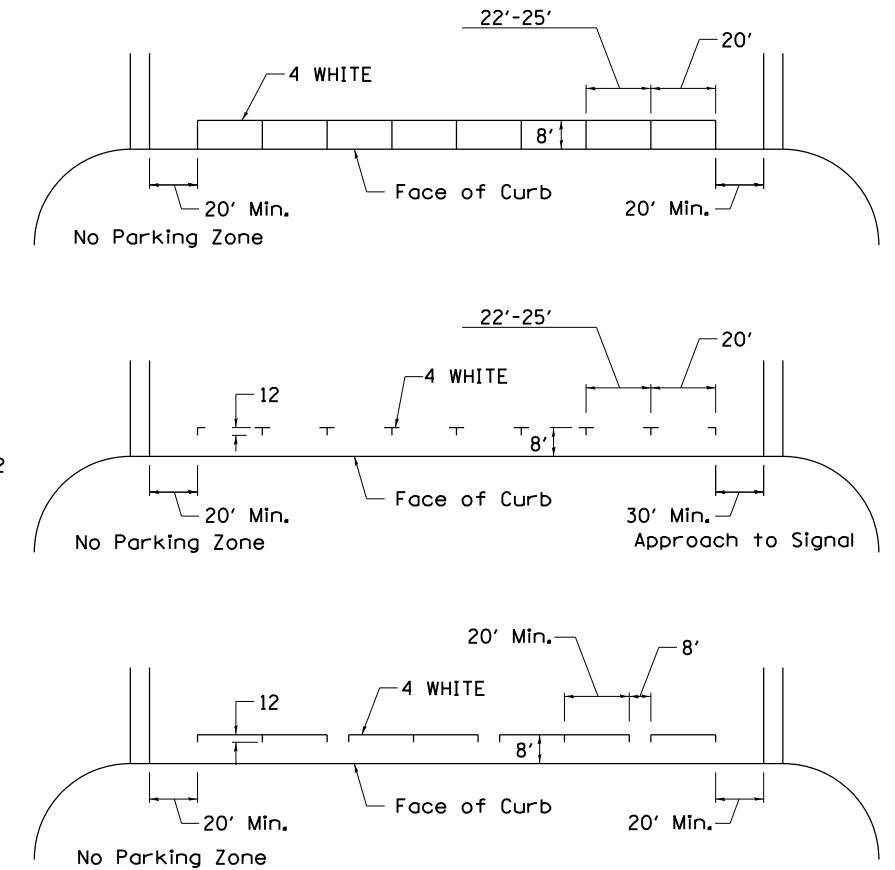
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

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

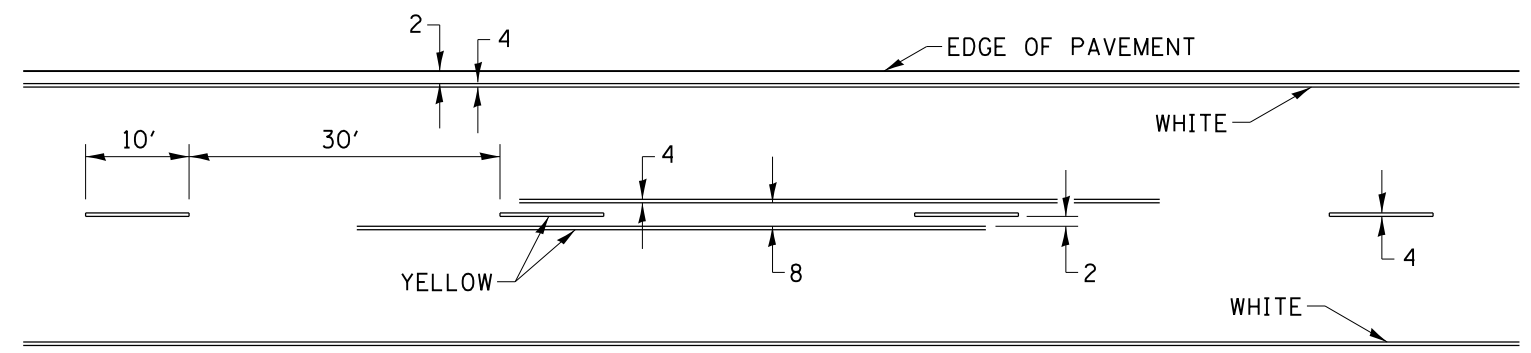
MULTI-LANE / UNDIVIDED & ONE WAY

(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

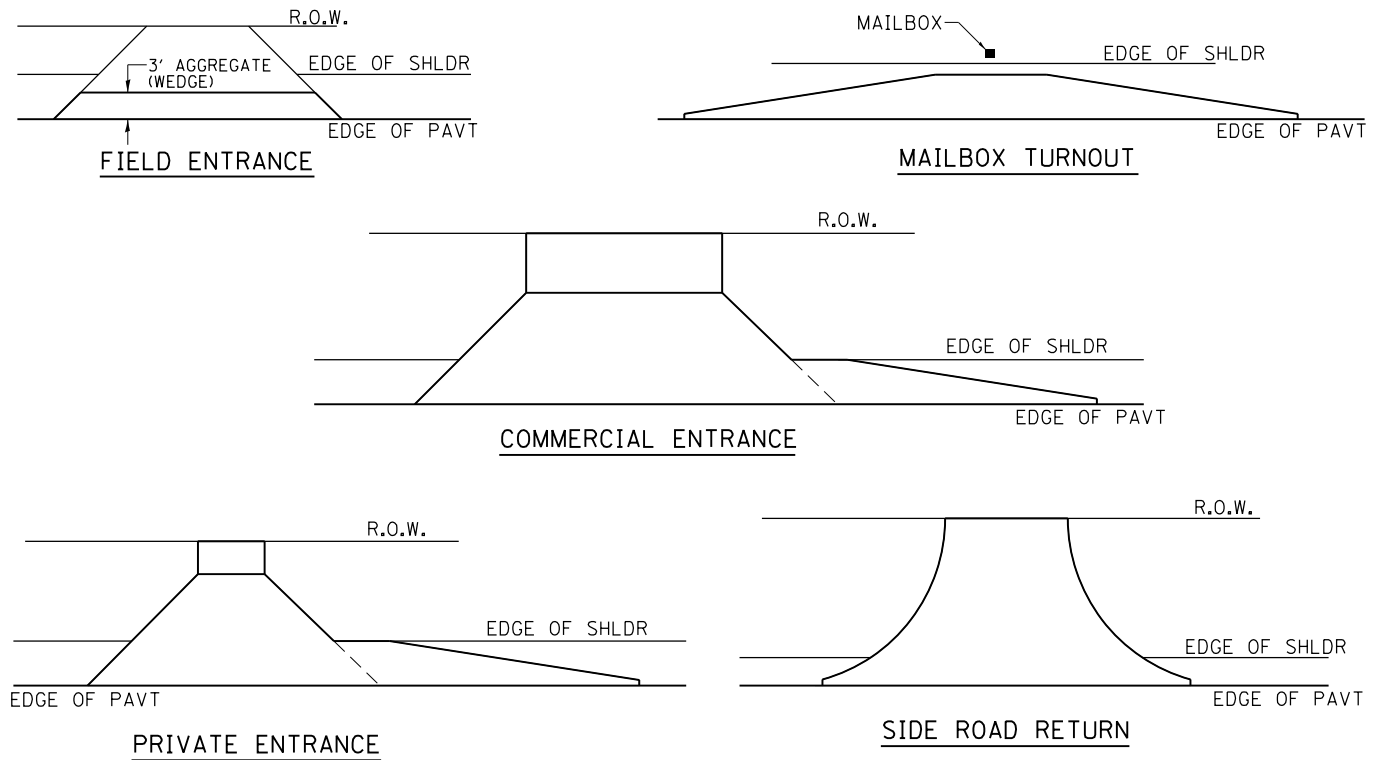
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL ROUTE 78
REGION 2 / DISTRICT 2 STANDARD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	51
CONTRACT NO. 64J40				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

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

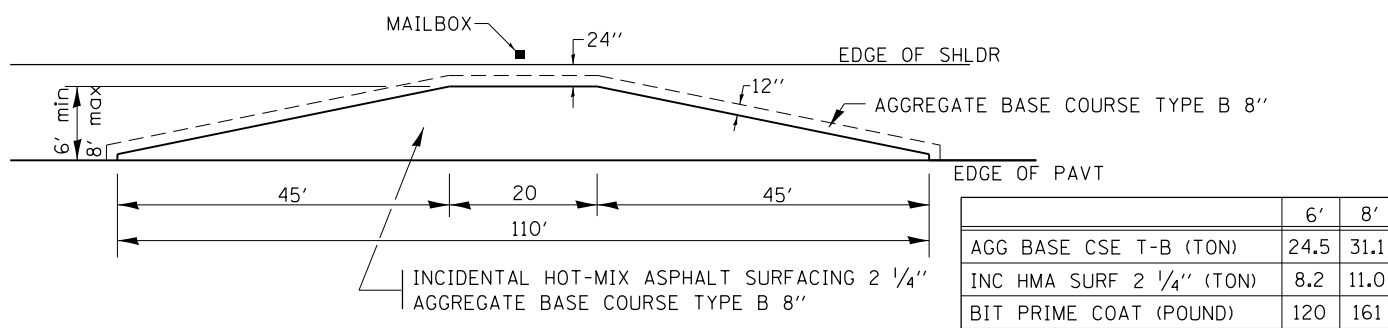


NOTE: EXISTING HMA PE's, CE's, SR's, & MB TURNOUTS
Place 2 1/4" Incidental Hot-Mix Asphalt Surfacing on entrance to conform to the existing configuration.

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.

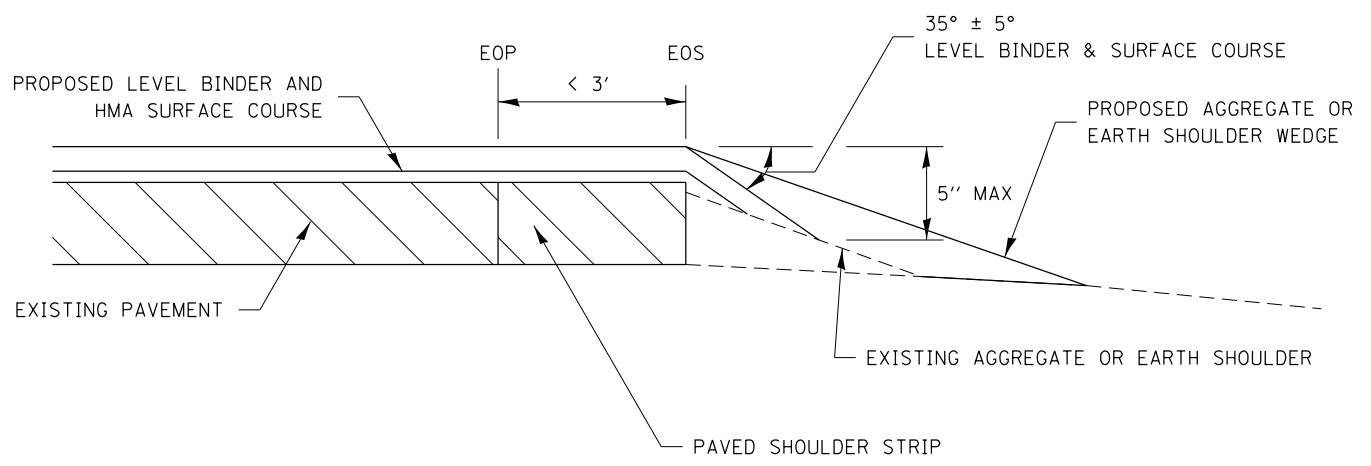
EXISTING AGG. MAILBOX TURNOUTS
Existing Agg. Mailbox Turnouts shall be constructed as shown below.



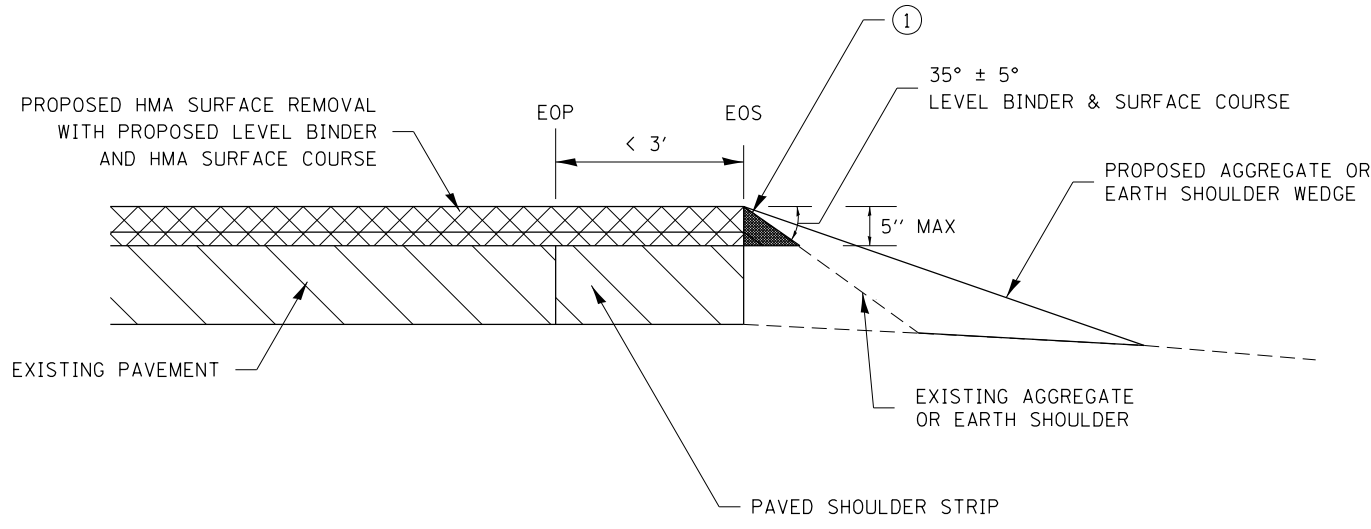
	6'	8'
AGG BASE CSE T-B (TON)	24.5	31.1
INC HMA SURF 2 1/4" (TON)	8.2	11.0
BIT PRIME COAT (POUND)	120	161

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

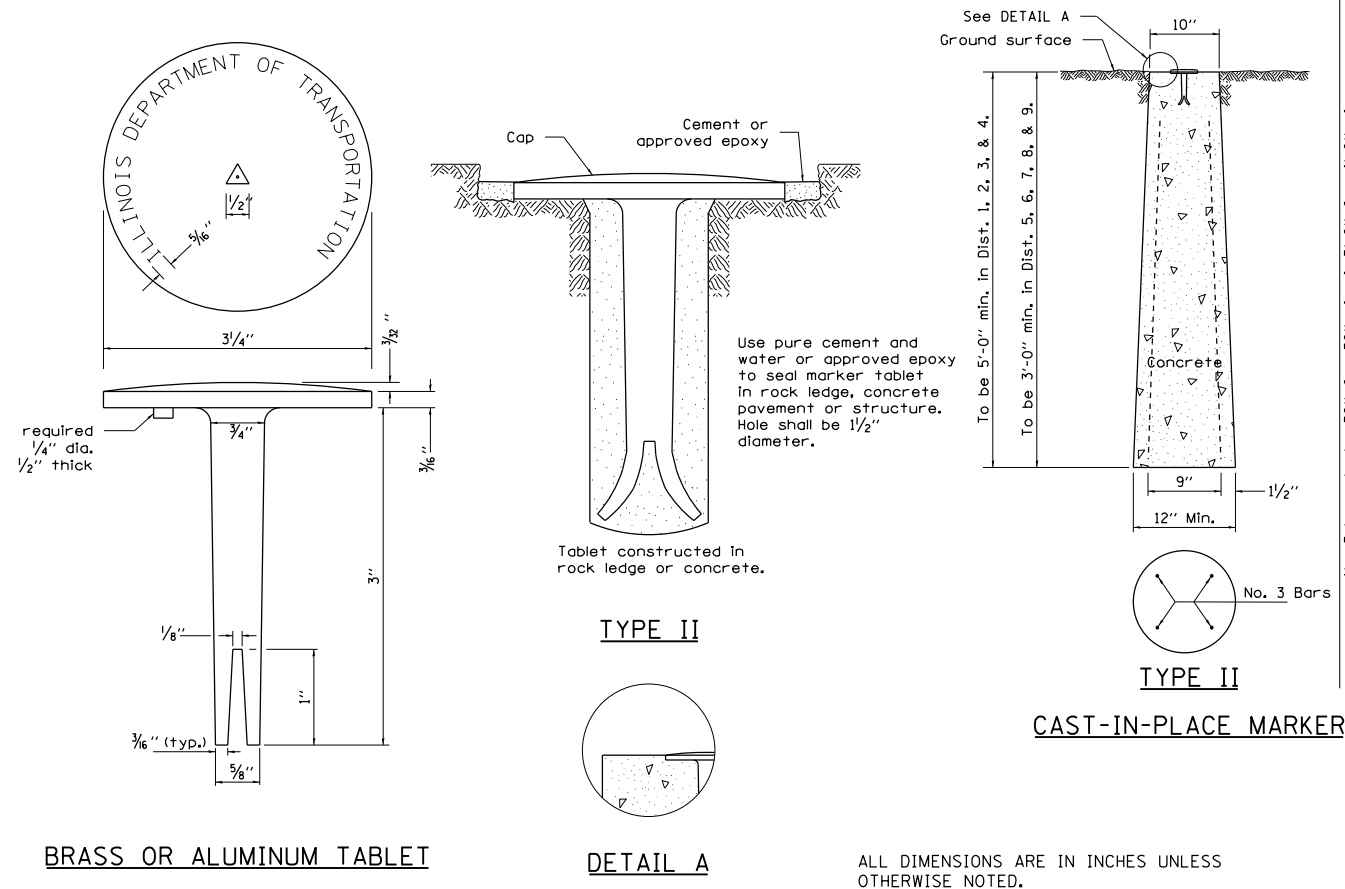
NOTES : THE DEVICE WHICH FORMS THE SAFETY EDGE SHALL BE MOUNTED ON THE PAVER SCREED AGAINST THE END GATE AND SHALL BE REMOVABLE OR BE ABLE TO BE LIFTED WHEN NOT IN USE. THE DEVICE SHALL BE DESIGNED TO MAINTAIN CONTACT WITH SURFACE OF THE SHOULDER AND ALLOW AUTOMATIC TRANSITION TO CROSS ROADS, DRIVEWAYS 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.

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.

PLOT DATE = 5/20/2019

PERMANENT SURVEY MARKERS, TYPE II

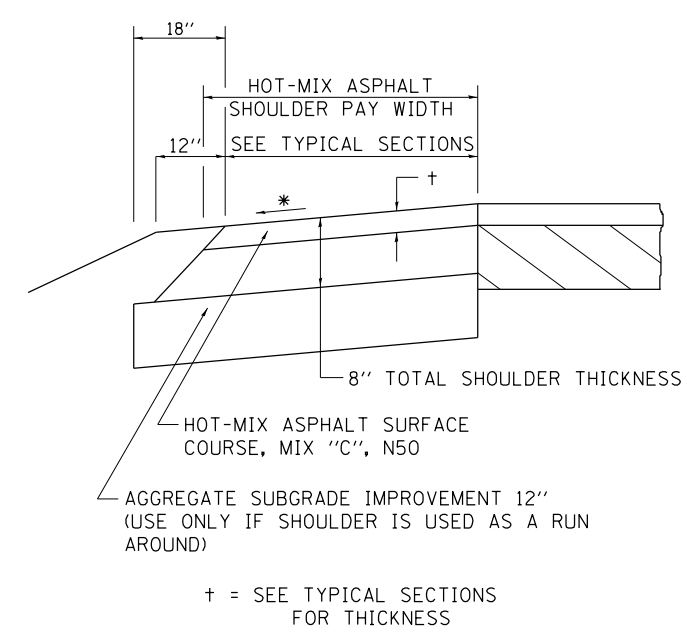


BRASS OR ALUMINUM TABLET

DETAIL A

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

HOT-MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50.

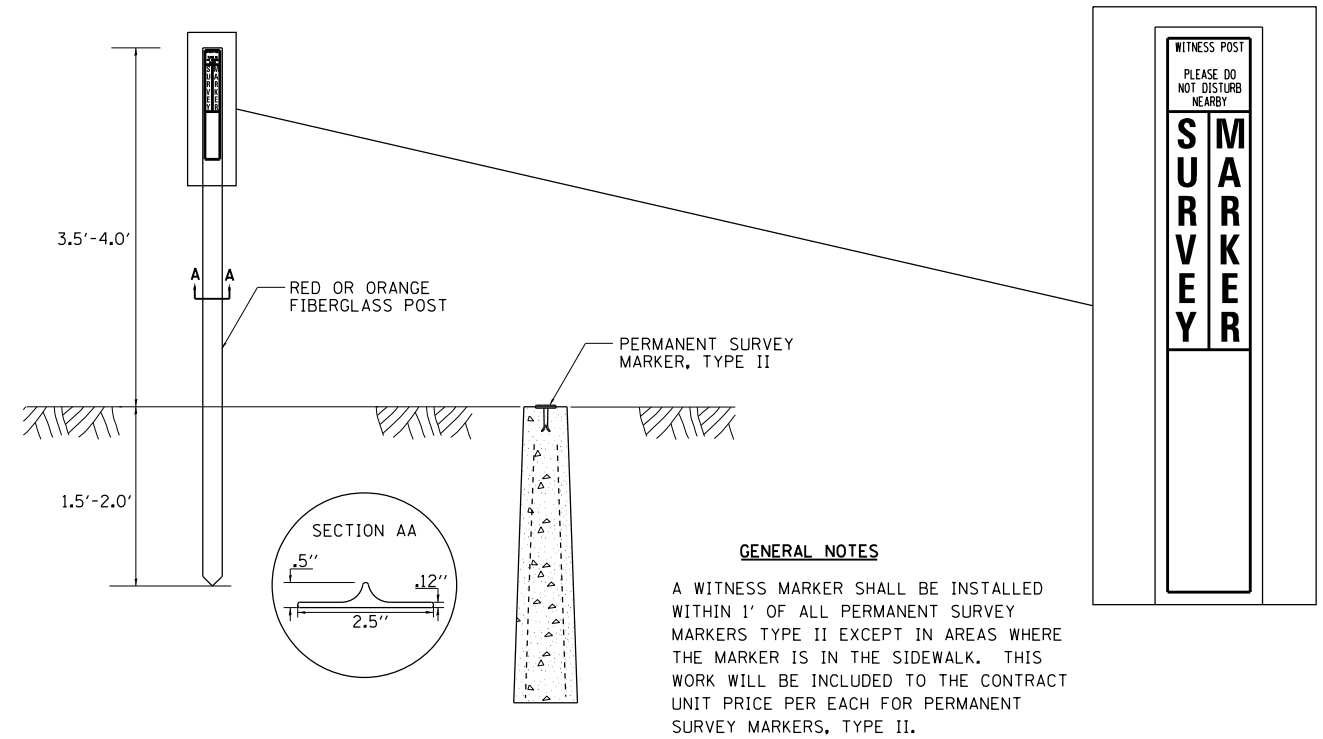
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 1-05-16
REVISED - 3-13-13

HOT-MIX ASPHALT SHOULDER 22.4

WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II

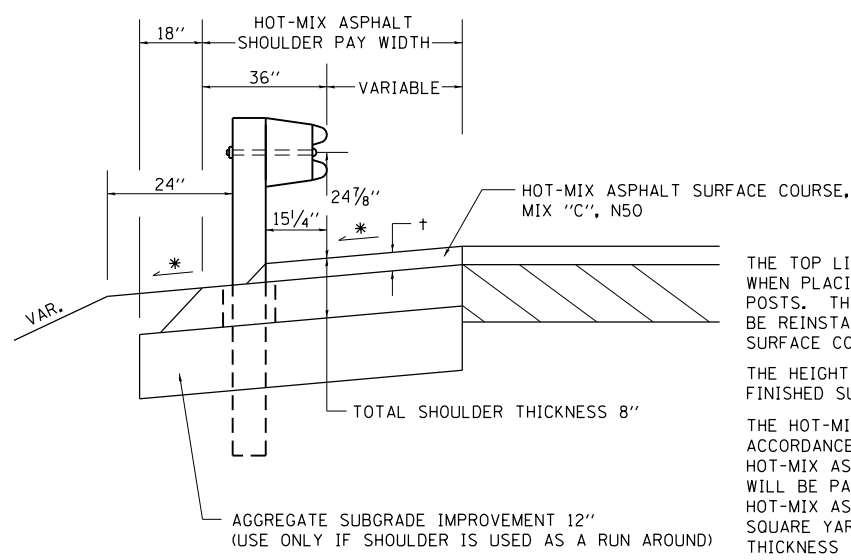


GENERAL NOTES

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.

REVISED - 6-27-14
REVISED - 10-14-11

DETAIL OF HOT-MIX ASPHALT SHOULDER AT GUARDRAIL



† = SEE TYPICAL SECTIONS FOR THICKNESS

GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED. THE RAIL ELEMENT SHALL BE REINSTALLED WITHIN 72 HOURS OF THE COMPLETION OF THE SURFACE COURSE.

THE HEIGHT OF THE GUARDRAIL SHALL BE SET 24 7/8" FROM THE FINISHED SURFACE.

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "C", N50 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE HOT-MIX ASPHALT SURFACE COURSE, MIXTURE C, N50.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATED SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 1-05-16
REVISED - 6-27-14
REVISED - 8-27-13
REVISED - 3-13-13

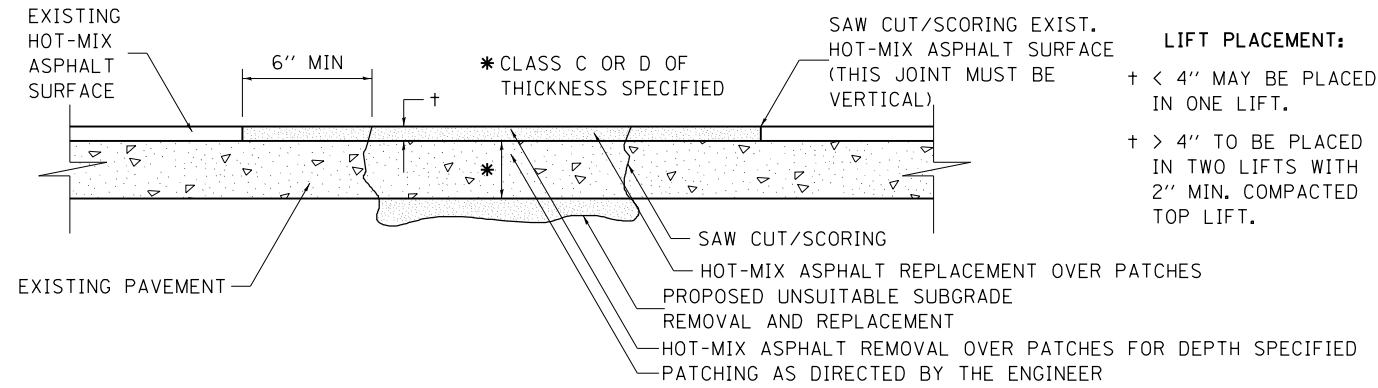
IL ROUTE 78 REGION 2 / DISTRICT 2 STANDARD

SCALE: 40,000' / 1" SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	53
CONTRACT NO. 64J40				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLOT DATE = 5/20/2019

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT



SEQUENCE OF CONSTRUCTION:

1. REMOVE THE EXISTING HOT-MIX ASPHALT SURFACE.
2. RESIDENT ENGINEER WILL DETERMINE IF LOCATION IS TO BE PATCHED OR TO ONLY REPLACE HOT-MIX ASPHALT SURFACE.
3. REMOVE AND REPLACE FULL DEPTH PATCHES AT LOCATIONS DIRECTED BY THE ENGINEER.
4. REPLACE HOT-MIX ASPHALT SURFACE OVER FULL DEPTH PATCHES AND AT LOCATIONS OF HOT-MIX ASPHALT SURFACE REMOVAL.

GENERAL NOTES:

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

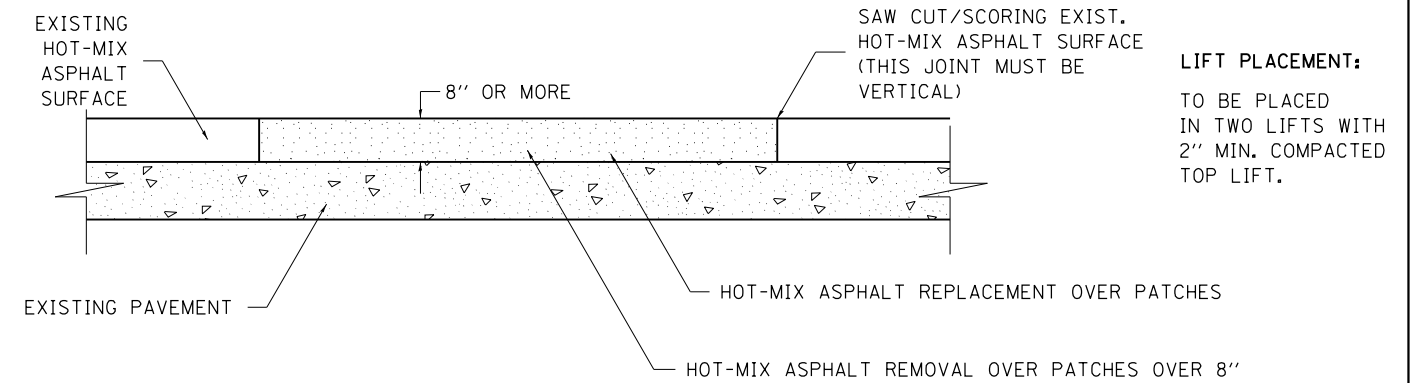
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT

32.4

PAVEMENT PATCHING DETAIL



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".

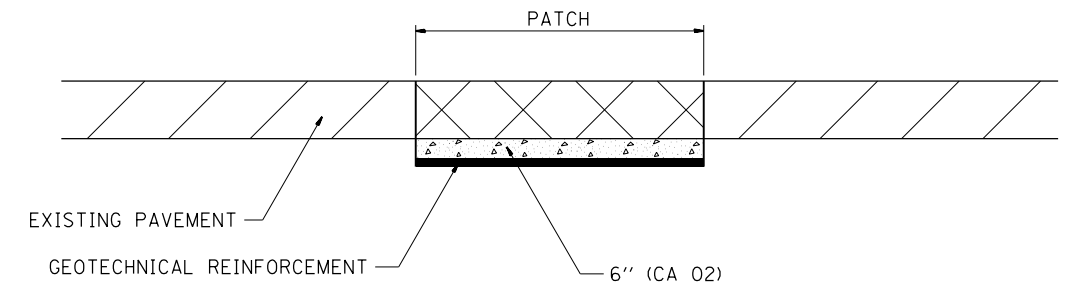
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

PAVEMENT PATCHING DETAIL

33.4

SUBGRADE REPLACEMENT



NOTES:

THE CA 02 SHALL BE COMPACTED IN A MANNER APPROVED BY THE ENGINEER. IF THE MOISTURE CONTENT OF THE MATERIAL IS SUCH THAT COMPACTION SATISFACTORY TO THE ENGINEER CANNOT BE OBTAINED, SUFFICIENT WATER SHALL BE ADDED SO THAT SATISFACTORY COMPACTION CAN BE OBTAINED.

THE CA 02 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR AGGREGATE SUBGRADE IMPROVEMENT WHICH SHALL ALSO INCLUDE ALL EARTH EXCAVATION.

THE GEOTECHNICAL REINFORCEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR GEOTECHNICAL REINFORCEMENT.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 3-13-13

REVISED -

REVISED -

REVISED -

IL ROUTE 78
REGION 2 / DISTRICT 2 STANDARD

SCALE: 40,0000' / 1" SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
22	(123,124,125)RS-1	HENRY	54	54
CONTRACT NO. 64J40				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

SUBGRADE REPLACEMENT

97.4