01-15-2021 LETTING ITEM 018

F.A.S RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4		HENRY	27	1
	C-92-088-11	ILLINOIS	CONTRACT NO. 64G94		

D-92-056-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED
HIGHWAY PLANS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

HIGHWAY CLASSIFICATION

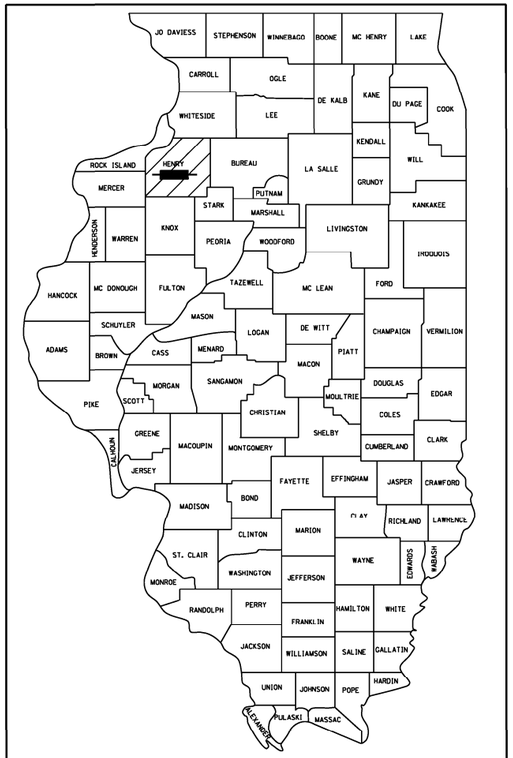
F.A.S. ROUTE 223 (IL81)
CLASSIFICATION: MAJOR COLLECTOR
ADT: 1.950 (2019) PV: 1.640
DESIGN SPEED: 40–55 MPH MU: 180
POSTED SPEED: 40–55 MPH SU: 130

FAS 223 (IL 81)
SECTION 101RS–4
PROJECT STP–0X39(426)
HMA RESURFACING /ADA IMPROVEMENTS
HENRY COUNTY
US 150 TO 0.4 MILE WEST OF I–74

C–92–088–11

R.1E

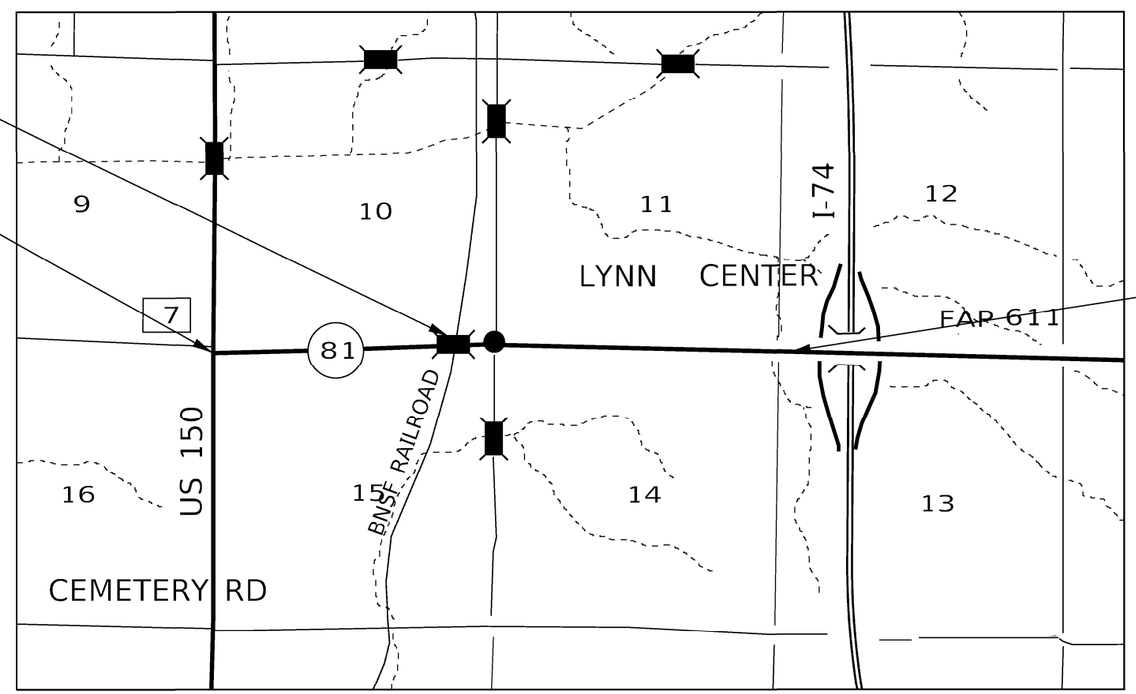
N



LOCATION OF SECTION INDICATED THUS:–

PAVING GAP 665'
STA 41+35 – STA 48+00

PROJECT BEGINS
STA 1+25



PROJECT ENDS
STA 97+20

T.15N

LYNN TOWNSHIP: SECTIONS 10, 11, 14 & 15

0 100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

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

GROSS LENGTH = 9595 FT. = 1.82 MILE
OMISSION = 665 FT. = 0.13 MILE
NET LENGTH = 8930 FT. = 1.69 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 15, 20 20
REGIONAL ENGINEER
December 4, 2020
ENGINEER OF DESIGN AND ENVIRONMENT
December 4, 2020
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROJECT ENGINEER: FAITH DUNCAN
SQUAD LEADER: ROBERT BARTON
PROJECT MANAGER: DENNISSE OTERO–LOPEZ (815) 284–5924
Email: Dennisse.Otero–Lopez@Illinois.gov

CONTRACT NO. 64G94

INDEX OF SHEETS

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2	INDEX OF SHEETS AND STANDARDS
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4 - 6	SUMMARY OF QUANTITIES
7 - 8	TYPICAL SECTIONS
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17 - 19	ADA DETAILS
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20	SUBGRADE REPLACEMENT (DS 97.4)
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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
482011-03	HMA SHLD, STRIPS/SHLDS, WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542411	SLOPE METAL END SECTIONS FOR PIPE CULVERTS 15 INCH (375MM) THRU 60 INCH (1500 MM) DIA.
642001-02	SHOULDER RUMBLE STRIPS, 16 IN
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24' (600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-06	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

GENERAL NOTES

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 SODDING, SALT TOLERANT.

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.

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

The following Mixture Requirements are applicable for this project:

Location(s):	Resurfacing		
Mixture Use(s):	Binder	Surface	
PG:	PG 64-22	PG 64-22	
Design Air Voids:	4.0 @ N50	4.0 @ N50	
Mixture Composition (Mixture Gradation):	IL 9.5	IL 9.5	
Friction Aggregate:	N/A	C	
Mixture Weight:	112	112	
Quality Management Program:	QCP	QCP	
Sublot Size:	1000	1000	
Number of Roller Passes[1)]:	NA	N/A	

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

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

The area to be tacked or primed shall be limited to that which can be covered with HMA on the next day's production, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

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

Connecting bands for corrugated metal pipes shall be metal and shall be coated with the same material as the pipe sections. The connecting bands shall be a minimum of 18" wide.

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.

The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Patti Wedell	Ameren IP	(Electrical)	(309)345-5173
Nate Teager	MidAmerican Energy Co.	(Electrical	(563)333-8706
Ron Pritchard	Frontier Legacy	(Communications)	(309)734-7991
George Writ	Woodhull Community Telephone Co.	(Telephone)	(309)334-2150

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.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE ROADWAY 0005 RURAL
20200100	EARTH EXCAVATION	CU YD	15	15
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	115	115
25200110	SODDING, SALT TOLERANT	SQ YD	115	115
25200200	SUPPLEMENTAL WATERING	UNIT	4	4
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	24	24
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	18,260	18260
40600990	TEMPORARY RAMP	SQ YD	491	491
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	392	392
40602978	HOT-MIX ASPHALT BINDER COURSE, IL- 9.5, N50	TON	3,334	3334
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	3,418	3418
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	193	193
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	374	374
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	410	410
* 42400800	DETECTABLE WARNINGS	SQ FT	30	30

* SPECIALTY ITEM

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SUMMARY OF QUANTITIES

SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	4

CONTRACT NO. 64G94

ILLINOIS FED. AID PROJECT

REV. 11/5/20

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE ROADWAY 0005 RURAL
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	15,876	15876
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	2,101	2101
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SQ YD	23,814	23814
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	374	374
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	116	116
44000600	SIDEWALK REMOVAL	SQ FT	355	355
44002235	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 8 3/4"	SQ YD	800	800
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	17,860	17860
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,018	1018
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	94	94
54260515	SLOPED METAL END SECTION, STANDARD 542411, 15", 1:6	EACH	2	2
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	118	118
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	15,860	15860
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3

* SPECIALTY ITEM

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE 80% FEDERAL 20% STATE ROADWAY 0005 RURAL
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	8,243	8,243
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	916	916
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	46,484	46,484
*	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	82	82
*	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	229	229
	Z0004542	HOT-MIX ASPHALT REMOVAL (SPECIAL)	SQ YD	993	993
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
*	Z0025505	PROPERTY MARKERS	EACH	5	5
	Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	8,930	8,930

* SPECIALTY ITEM

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SUMMARY OF QUANTITIES

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

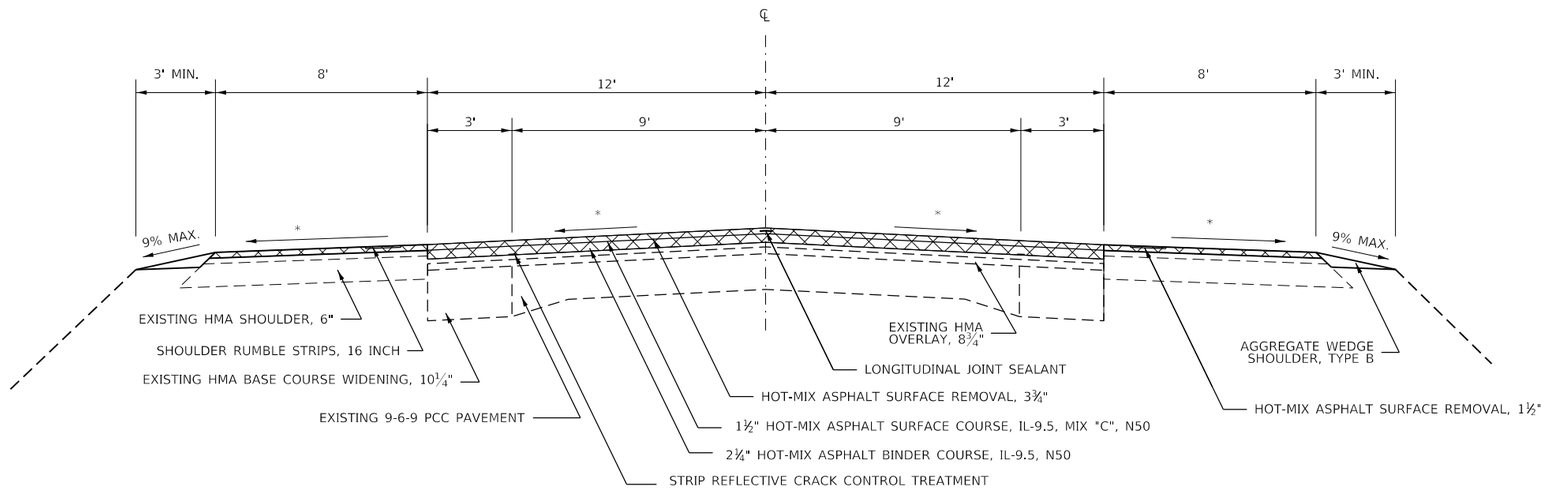
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	6
		CONTRACT NO. 64G94		
	ILLINOIS	FED. AID PROJECT		

REV. 11/5/20

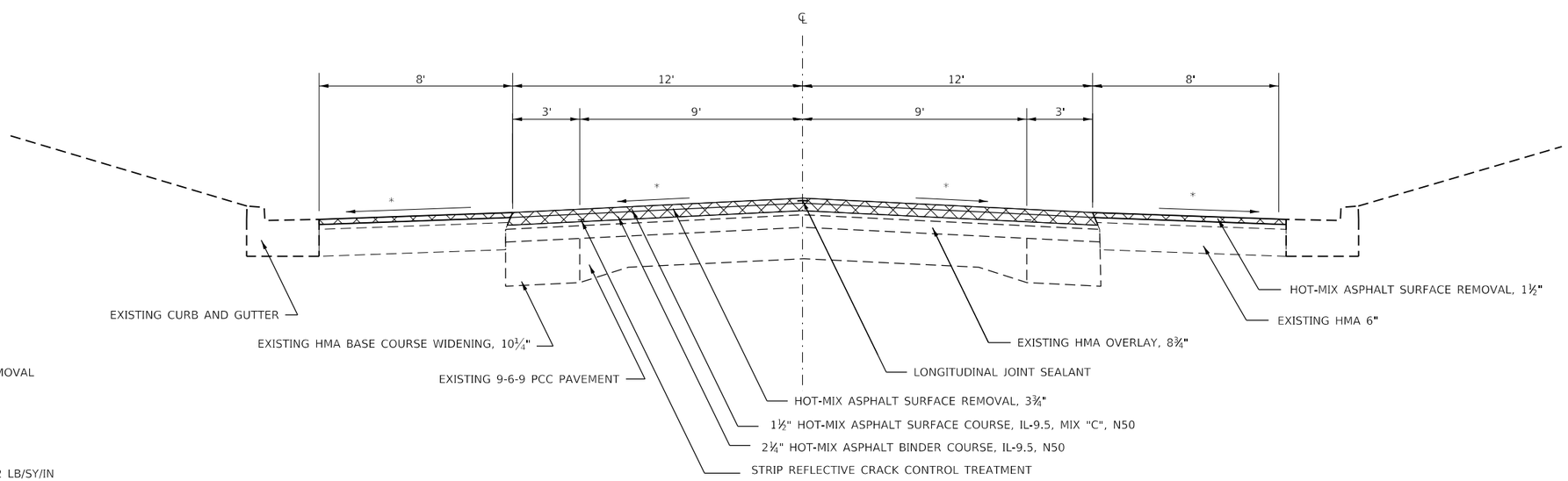
IL 81
STA 1+25 TO STA 41+35

PAVING GAP
STA 41+35 TO 48+00

STA 57+50 TO STA 97+20



IL 81
STA 48+00 TO STA 57+50



REMOVAL

NOTE:

HMA UNIT WEIGHT= 112 LB/SY/IN

* MAINTAIN EXISTING X-SLOPE

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: _____ | SHEET 1 OF 2 SHEETS | STA. _____ TO STA. _____

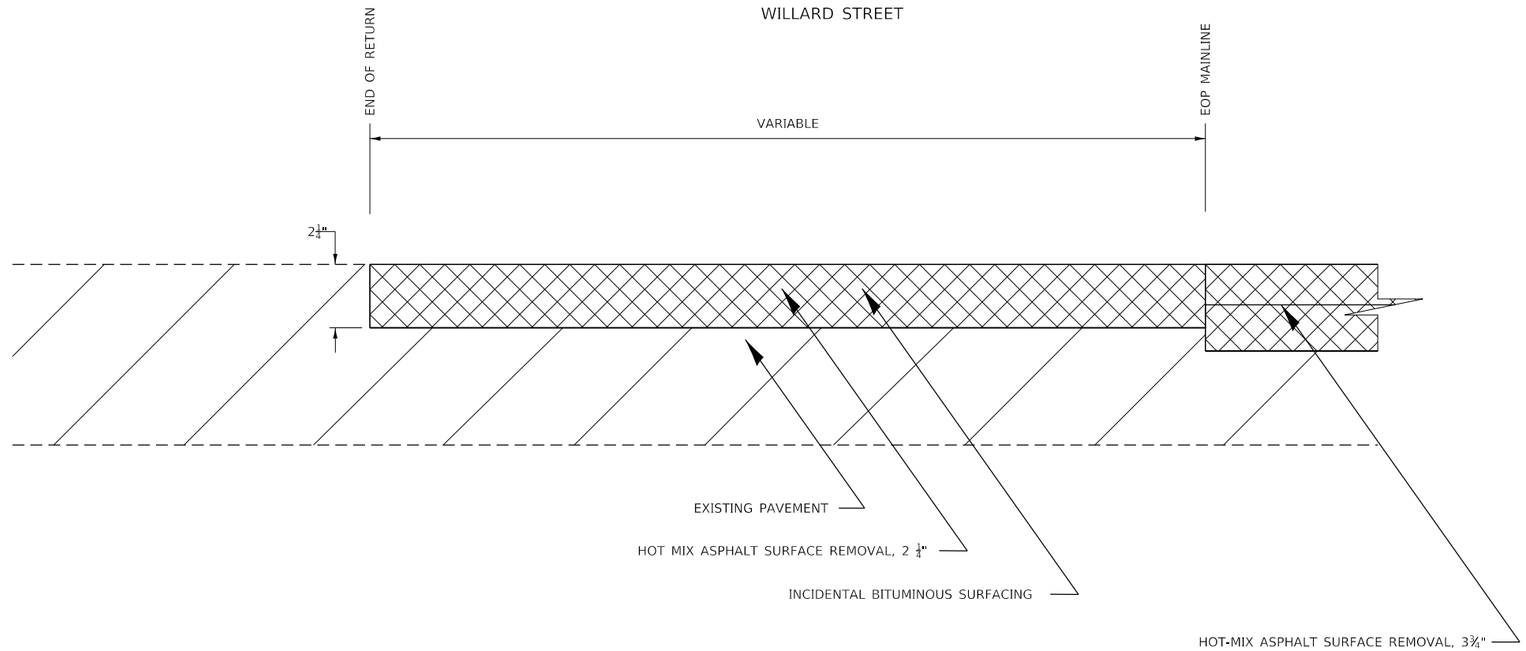
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	7

CONTRACT NO. 64G94

ILLINOIS | FED. AID PROJECT

SIDEROADS TYPICAL

BENGSTON STREET
RAILROAD STREET
E. 400TH STREET
WILLARD STREET



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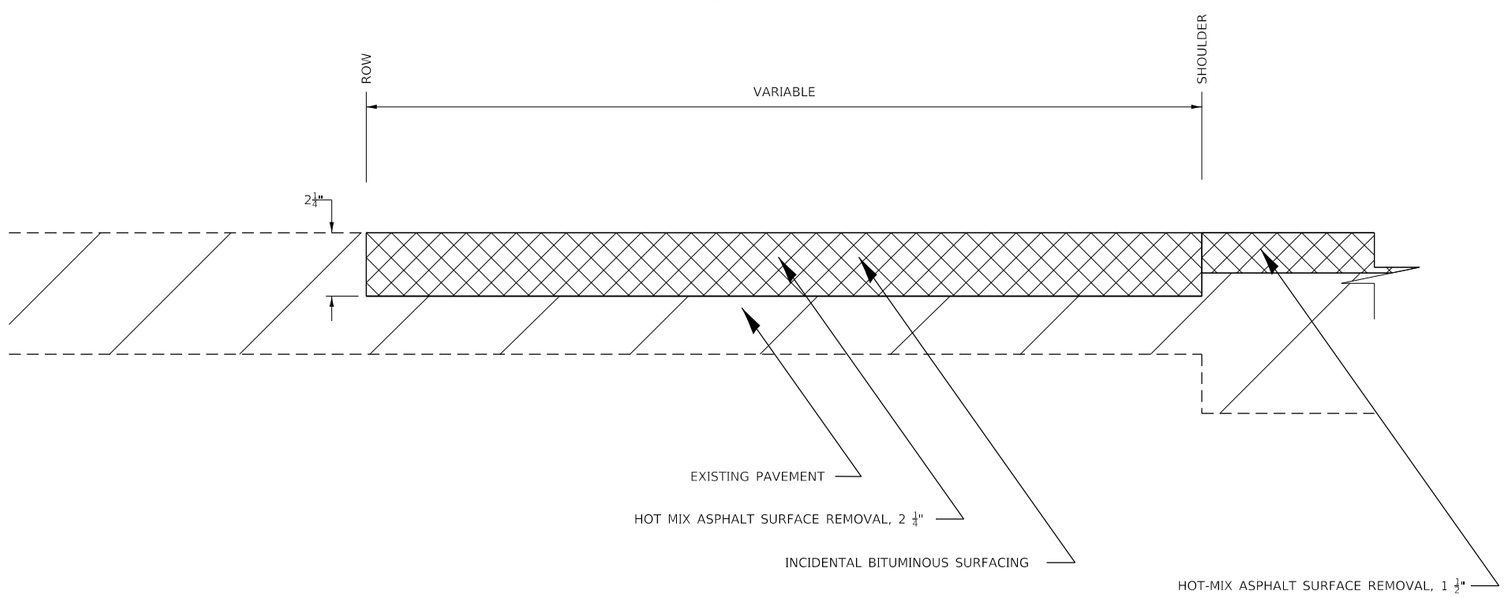

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NOTE:

HMA UNIT WEIGHT= 112 LB/SY/IN

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	8

CONTRACT NO. 64G94

ILLINOIS | FED. AID PROJECT

21101615 TOPSOIL FURNISH AND PLACE, 4 INCH

SQ YD	LOCATION	OFFSET	REMARKS:
	IL 81		
27	48+50	56.46 LT	ADA
21	49+10	56.52 LT	ADA
67	52+80	41.01 LT	ADA
115	**TOTAL**		

25200110 SODDING, SALT TOLERANT

SQ YD	LOCATION	OFFSET	REMARKS:
	IL 81		
27	48+50	56.46 LT	ADA
21	49+10	56.52 LT	ADA
67	52+80	41.01 LT	ADA
115	**TOTAL**		

25200200 SUPPLEMENTAL WATERING

UNIT	LOCATION	OFFSET	REMARKS:
	IL 81		
0.8	48+50	56.46 LT	10 Applications
0.6	49+10	56.52 LT	10 Applications
2.0	52+80	41.01 LT	10 Applications
4	**TOTAL**		

28000250 TEMPORARY EROSION CONTROL SEEDING

POUND	LOCATION	OFFSET	REMARKS:
	IL 81		
5.58	48+50	56.46 LT	10 Applications
4.34	49+10	56.52 LT	10 Applications
13.84	52+80	41.01 LT	10 Applications
24	**TOTAL**		

40601005 HOT-MIX ASPHALT REPLACEMENT OVER PATCHES

TON	LOCATION	OFFSET	REMARKS:
	IL 81		
392	01+25 97+20		ESTIMATED QUANTITY
392	**TOTAL**		

42400200 PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH

SQ FT	LOCATION	OFFSET	REMARKS:
	IL 81		
113	48+37 - 48+55	LT	
205	48+96 - 49+23	LT	
92	52+68 - 52+88	LT	
410	**TOTAL**		

42400800 DETECTABLE WARNINGS

SQ FT	LOCATION	OFFSET	REMARKS:
	IL 81		
10	48+49 - 48+52	30.78 LT	
10	49+00 - 49+02	29.05 LT	
10	52+81 - 52+83	29.22 LT	
30	**TOTAL**		

44000500 COMBINATION CURB AND GUTTER REMOVAL

FOOT	LOCATION	OFFSET	REMARKS:
	IL 81		
43	48+40 - 48+63	20.92 - 56.29 LT	
43	48+87 - 49+06	20.75 - 56.39 LT	
30	52+73 - 52+94	20.49 - 40.10 LT	
116	**TOTAL**		

44000600 SIDEWALK REMOVAL

SQ FT	LOCATION	OFFSET	REMARKS:
	IL 81		
97	48+37 - 48+55	30.77 - 40.84 LT	
170	49+00 - 49+23	29.07 - 44.00 LT	
88	52+68 - 52+87	28.74 - 34.27 LT	
355	**TOTAL**		

44002235 HOT-MIX ASPHALT REMOVAL OVER PATCHES, 8 3/4 INCH

TON	LOCATION	OFFSET	REMARKS:
	IL 81		
800	01+25 97+20		ESTIMATED QUANTITY
800	**TOTAL**		

44300200 STRIP REFLECTIVE CRACK CONTROL TREATMENT

FOOT	LOCATION	OFFSET	REMARKS:
	IL 81		
8020	01+25 - 41+35	9.00 LT/RT	
9840	48+00 - 97+20	9.00 LT/RT	
17,860	**TOTAL**		

542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15 INCH

FOOT	LOCATION	OFFSET	REMARKS:
	IL 81		
94	89+89 - 90+83	26.78 RT	
94	**TOTAL**		

54260515 SLOPED METAL END SECTION, STANDARD 542411, 15 INCH, 1:6

EACH	LOCATION	OFFSET	REMARKS:
	IL 81		
1	89+89	26.78 RT	
1	90+83	26.78 RT	
2	**TOTAL**		

60605000 COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24

FOOT	LOCATION	OFFSET	REMARKS:
	IL 81		
45	48+40 - 48+63	20.91 - 56.29 LT	
42	48+87 - 49+06	20.75 - 56.39 LT	
30	52+73 - 52+94	20.49 - 40.10 LT	
118	**TOTAL**		

64200116 SHOULDER RUMBLE STRIPS, 16 INCH

FOOT	LOCATION	OFFSET	REMARKS:
	IL 81		
8020	01+25 - 41+35	LT/RT	
7840	58+00 - 97+20	LT/RT	
15,860	**TOTAL**		

70300100 SHORT TERM PAVEMENT MARKING

FOOT	LOCATION	OFFSET	REMARKS:
	IL 81		
5234	01+25 - 97+20		WHITE EDGE LINE
56	01+25 - 02+27		YELLOW CENTER SKIP DASH AND SOLID
2225	02+27 - 83+85		YELLOW CENTER SKIP DASH
571	83+85 - 94+32		YELLOW CENTER SKIP DASH AND SOLID
157	94+32 - 97+20		YELLOW CENTER DOUBLE SOLID
8,243	**TOTAL**		

70300150 SHORT TERM PAVEMENT MARKING REMOVAL

SQ FT	LOCATION	OFFSET	REMARKS:
	IL 81		
582	01+25 - 97+20		WHITE EDGE LINE
6	01+25 - 02+27		YELLOW CENTER SKIP DASH AND SOLID
247	02+27 - 83+85		YELLOW CENTER SKIP DASH
63	83+85 - 94+32		YELLOW CENTER SKIP DASH AND SOLID
17	94+32 - 97+20		YELLOW CENTER DOUBLE SOLID
916	**TOTAL**		

78001110 PAINT PAVEMENT MARKING - LINE 4"

FOOT	LOCATION	OFFSET	REMARKS:
	IL 81		
38380	01+25 - 97+20		WHITE EDGE LINE (2 COATS)
272	01+25 - 02+34		YELLOW CENTER SKIP DASH AND SOLID (2 COATS)
20369	02+34 - 83+81		YELLOW CENTER SKIP DASH (2 COATS)
2637	83+81 - 94+36		YELLOW CENTER SKIP DASH AND SOLID (2 COATS)
710	94+36 - 97+20		YELLOW CENTER DOUBLE SOLID (2 COATS)
62,368	**TOTAL**		

78001130 PAINT PAVEMENT MARKING - LINE 6"

FOOT	LOCATION	OFFSET	REMARKS:
	IL 81		
82	48+55 - 48+96	LT	WHITE CROSSWALK (2 COATS)
82	**TOTAL**		

78001180 PAINT PAVEMENT MARKING - LINE 24"

FOOT	LOCATION	OFFSET	REMARKS:
	IL 81		
62	41+66 - 41+97	LT	WHITE STOP BAR (2 COATS); BENGSTONE ST
26	45+75 - 45+88	LT	WHITE STOP BAR (2 COATS); RAILROAD ST
34	48+55 - 48+72	LT	WHITE STOP BAR (2 COATS); WILLARD ST
48	52+88 - 53+12	LT	WHITE STOP BAR (2 COATS), E400 ST
58	53+02 - 53+31	RT	WHITE STOP BAR (2 COATS); E400 ST
229	**TOTAL**		

Z0025505 PROPERTY MARKERS

EACH	LOCATION	OFFSET	REMARKS:
	IL 81		
5	48+26 - 52+94		ESTIMATED QUANTITY
5	**TOTAL**		

EARTHWORK SCHEDULE

LOCATION	REMARKS	20200100 EARTH EXCAVATION (CUT) CU YD	EARTH EXCAVATION ADJUSTMENT 25% SHRINKAGE CU YD	EMBANKMENT (FILL) CU YD	EARTHWORK BALANCE WASTE (+) SHORTAGE (-) CU YD
RURAL MAINLINE (IL 81)					
48 + 50	ADA	3.00	2.25	0	2.25
49 + 10	ADA	5.00	3.75	0	3.75
52 + 80	ADA	3.00	2.25	0	2.25
TOTAL		15	10	0	10

HMA SCHEDULE

LOCATION		SURFACE				40600290		40600990	40602978	40604050	44000155	44000164	48102100	Z0004542	Z0033700
		LENGTH	WIDTH		AREA	BITUMINOUS MATERIALS (TACK COAT)		TEMPOARY RAMP	HMA BINDER COURSE, IL-9.5, N50, 2 1/4"	HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 1 1/2"	HMA SURFACE REMOVAL, 1 1/2"	HMA SURFACE REMOVAL, 3 3/4"	AGGREGATE WEDGE SHOULDER, TYPE B	HMA REMOVAL (SPECIAL)	LOGITUDINAL JOINT SEALANT
			SHOULDER	MAINLINE	PROPOSED SURFACE	1 APPLICATION	2 APPLICATIONS								
STA TO STA	RT/LT	FOOT	FOOT	FOOT	SQ FT	POUND		SQ YD	TON	TON	SQ YD	SQ YD	TON	SQ YD	FOOT
MAINLINE															
1+25 - 41+35	RT/LT	4,010	-	24	96,240	-	7,418.5	66.7	1,497.1	935.7	-	10,693.3	-	445.6	4,010
48+00 - 57+50	RT/LT	950	-	24	22,800	-	1,757.5	66.7	354.7	221.7	-	2,533.3	-	105.6	950
57+50 - 97+20	RT/LT	3,970	-	24	95,280	-	7,344.5	33.3	1,482.1	926.3	-	10,586.7	-	441.1	3,970
SHOULDERS															
1+25 - 41+35	RT/LT	4,010	16	-	64,160	356	-	-	-	598.8	7,128.9	-	456.7	-	-
48+00 - 57+50	RT/LT	950	16	-	15,200	84	-	-	-	141.9	1,688.9	-	108.2	-	-
57+50 - 97+20	RT/LT	3,970	16	-	63,520	353	-	-	-	592.9	7,057.8	-	452.1	-	-
					SUBTOTAL	794	16,520.5	166.7							
					GRAND TOTAL	18,260		491	3,334	3,418	15,876	23,814	1,018	993	8,930

ENTRANCES/SIDEROADS

LOCATION			CENTERLINE TO ROW	WIDTH AT SHOULDER	SHOULDER TO THROAT	THROAT WIDTH	THROAT TO TERMINI	TERMINI WIDTH	AREA	44000158 HMA SURFACE REMOVAL, 2 1/4"	40600290 BITUMINOUS MATERIALS (TACK COAT)	40600990 TEMPORARY RAMP	40800050 INCIDENTAL HMA SURFACING	42300300 PCC DRIVEWAY PAVEMENT, 7"	44000200 DRIVEWAY PAVEMEMNT REMOVAL
STA	RT/LT	REMARKS	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ YD	SQ YD	POUND	SQ YD	TONS	SQ YD	SQ YD
RURAL EB															
2+56	RT	PE	50.3	48.0	10.0	21.0	21.0	21.0	87.3	87.3	39.3	-	11.0	-	-
6+64	RT	PE	49.7	33.0	15.2	12.0	15.0	12.0	58.0	58.0	26.1	-	7.3	-	-
23+21	RT	PE	55.0	36.0	11.0	13.0	18.0	13.0	55.9	55.9	25.2	-	7.0	-	-
40+96	RT	PE	42.5	39.0	15.0	22.0	6.5	22.0	66.7	66.7	30.0	-	8.4	-	-
53+03	RT	E 440 ST	57.1	88.3	3.8	62.5	38.2	26.0	220.2	220.2	99.1	73.6	27.7	-	-
62+78	RT	PE	55.0	44.4	11.7	24.2	19.0	24.0	95.5	95.5	43.0	-	12.0	-	-
72+26	RT	PE	60.8	39.0	11.0	15.0	10.0	15.0	49.7	49.7	22.4	-	6.3	-	-
87+54	RT	PE	54.9	38.0	11.4	14.0	20.2	14.0	64.4	64.4	29.0	-	8.1	-	-
72+28	RT	IDOT MAINTENANCE	79.7	77.5	33.0	40.4	35.2	40.0	373.4	-	-	-	-	373.4	373.4
RURAL WB															
14+47	LT	PE	55.0	38.0	16.0	12.0	16.0	12.0	65.8	65.8	29.6	-	8.3	-	-
40+54	LT	PE	38.5	29.0	11.1	10.0	8.5	10.0	33.5	33.5	15.1	-	4.2	-	-
42+19	LT	BENGSTONE ST	82.8	101.8	31.5	42.0	35.0	37.0	405.4	405.4	182.4	84.9	-	-	-
45+96	LT	RAILROAD ST	130.9	39.9	18.8	15.3	8.5	10.0	69.5	69.5	31.3	33.3	-	-	-
48+72	LT	WILLARD ST	65.6	66.1	15.6	29.6	84.6	16.6	300.1	300.1	135.0	55.0	37.8	-	-
53+12	LT	E 400 ST	64.6	92.9	19.5	43.3	22.3	28.9	237.0	237.0	106.6	77.5	29.9	-	-
59+13	LT	PE	55.0	41.0	15.9	18.0	18.0	18.0	88.1	88.1	39.7	-	11.1	-	-
62+72	LT	PE	55.0	40.0	11.5	17.5	18.0	11.5	65.7	65.7	29.6	-	8.3	-	-
68+84	LT	PE	41.1	27.0	12.0	12.0	9.0	12.0	38.0	38.0	17.1	-	4.8	-	-
81+05	LT	PE	54.2	42.0	19.0	18.0	18.0	18.0	99.3	99.3	44.7	-	12.5	-	-
SUBTOTAL											945.0	324.2			
GRAND TOTAL										2,101	18,260	491	193	374	374

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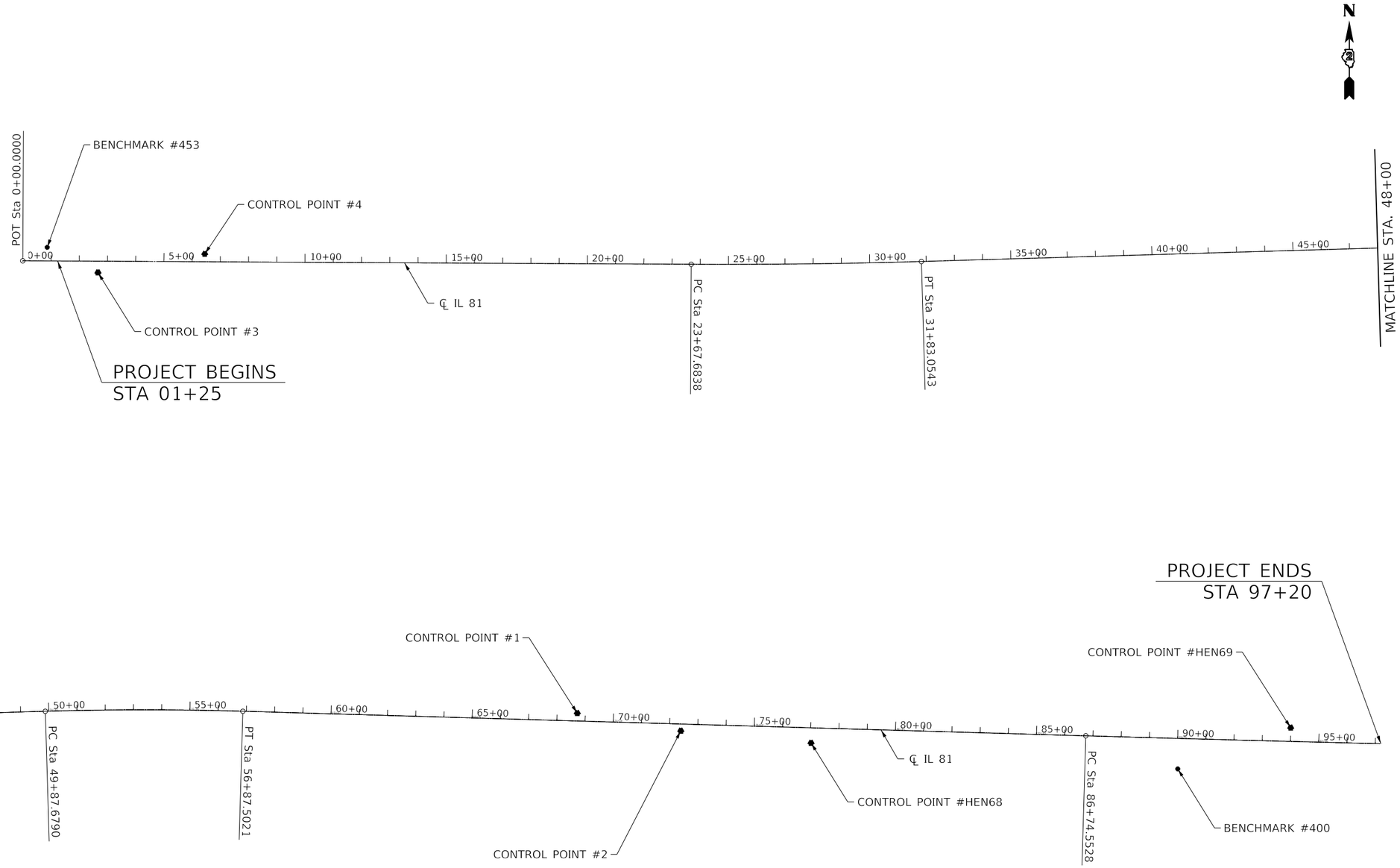
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HMA & ENTRANCES OF QUANTITIES

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	12
		CONTRACT NO. 64G94		
	ILLINOIS	FED. AID PROJECT		



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

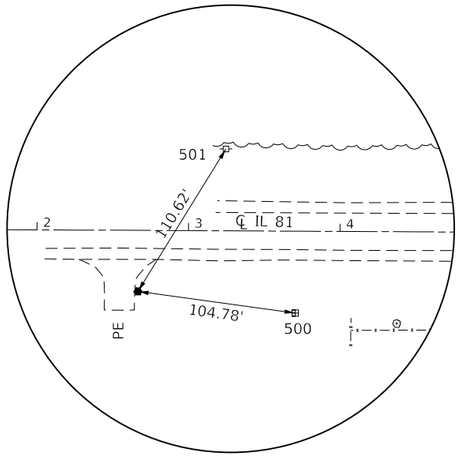
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: _____ | SHEET 1 OF 3 SHEETS | STA. _____ TO STA. _____

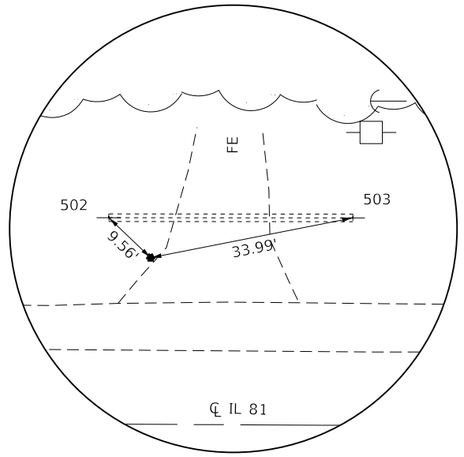
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	13

CONTRACT NO. 64G94

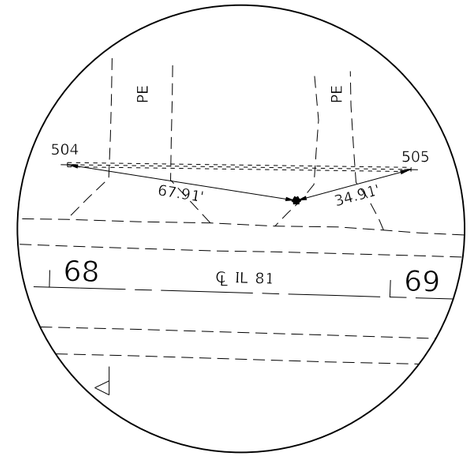
ILLINOIS | FED. AID PROJECT



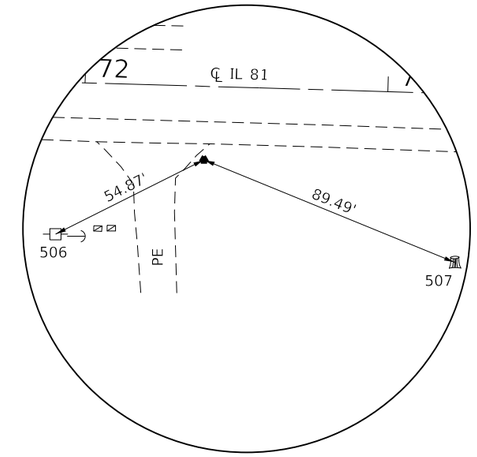
HORIZONTAL CONTROL POINT #3



HORIZONTAL CONTROL POINT #4



HORIZONTAL CONTROL POINT #1



HORIZONTAL CONTROL POINT #2

Chain IL81 contains:
A11309240 CUR A023260 CUR A023210 CUR A023220 CUR A023270 CUR A023230

Beginning chain IL81 description
==========

Point A11309240 N 1,685,935.9698 E 2,238,740.2194 Sta 0+00.0000

Course from A11309240 to PC A023260 90° 17' 50.9911" Dist 2,367.6838'

Curve Data

Curve A023260
P.I. Station 27+75.4098 N 1,685,921.5590 E 2,241,515.5918
Delta = 1° 59' 04.5117" (LT)
Degree = 0° 14' 36.2289"
Tangent = 407.7260'
Length = 815.3705'
Radius = 23,540.0600'
External = 3.5307'
Long Chord = 815.3297'
Mid. Ord. = 3.5302'
P.C. Station 23+67.6838 N 1,685,923.6761 E 2,241,107.8712
P.T. Station 31+83.0543 N 1,685,933.5629 E 2,241,923.1410
C.C. N 1,709,463.4187 E 2,241,230.0980

Course from PT A023260 to PC A023210 88° 18' 46.4794" Dist 1,804.6247'

Curve Data

Curve A023210
P.I. Station 53+37.6905 N 1,685,996.9976 E 2,244,076.8432
Delta = 3° 21' 15.3925" (RT)
Degree = 0° 28' 45.4921"
Tangent = 350.0115'
Length = 699.8231'
Radius = 11,953.9700'
External = 5.1231'
Long Chord = 699.7232'
Mid. Ord. = 5.1209'
P.C. Station 49+87.6790 N 1,685,986.6929 E 2,243,726.9834
P.T. Station 56+87.5021 N 1,685,986.8144 E 2,244,426.7066
C.C. N 1,674,037.9047 E 2,244,078.9203

Course from PT A023210 to PC A023220 91° 40' 01.8719" Dist 2,987.0507'

Curve Data

Curve A023220
P.I. Station 95+18.2299 N 1,685,875.3640 E 2,248,255.8128
Delta = 0° 26' 21.8236" (LT)
Degree = 0° 01' 33.7463"
Tangent = 843.6771'
Length = 1,687.3458'
Radius = 220,024.5673'
External = 1.6175'
Long Chord = 1,687.3417'
Mid. Ord. = 1.6175'
P.C. Station 86+74.5528 N 1,685,899.9098 E 2,247,412.4929
P.T. Station 103+61.8986 N 1,685,857.2862 E 2,249,099.2962
C.C. N 1,905,831.3376 E 2,253,813.8414

Course from PT A023220 to PC A023270 91° 13' 40.0493" Dist 6,563.3838'

Curve Data

Curve A023270
P.I. Station 172+89.3755 N 1,685,708.8487 E 2,256,025.1825
Delta = 0° 40' 26.4091" (LT)
Degree = 0° 05' 33.2166"
Tangent = 364.0931'
Length = 728.1777'
Radius = 61,901.1194'
External = 1.0708'
Long Chord = 728.1735'
Mid. Ord. = 1.0707'
P.C. Station 169+25.2824 N 1,685,716.6502 E 2,255,661.1730
P.T. Station 176+53.4601 N 1,685,705.3296 E 2,256,389.2585
C.C. N 1,747,603.5576 E 2,256,987.5505

Course from PT A023270 to PC A023230 90° 33' 13.6391" Dist 2,853.7010'

Curve Data

Curve A023230
P.I. Station 207+33.2735 N 1,685,675.5623 E 2,259,468.9280
Delta = 25° 12' 05.0788" (RT)
Degree = 5° 39' 51.7713"
Tangent = 226.1123'
Length = 444.9102'
Radius = 1,011.5100'
External = 24.9644'
Long Chord = 441.3324'
Mid. Ord. = 24.3632'
P.C. Station 205+07.1611 N 1,685,677.7478 E 2,259,242.8262
P.T. Station 209+52.0713 N 1,685,577.3104 E 2,259,672.5781
C.C. N 1,684,666.2850 E 2,259,233.0497

==========
Ending chain IL81 description

HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1685979.8278	2245611.1750	749.2305	IL81	68+71.6723	27.477' LT	TOPO SURVEY POINT, PIN
2	1685917.3969	2245977.7965	747.6419	IL81	72+39.9550	24.261' RT	TOPO SURVEY POINT, PIN
3	1685894.2473	2239006.7881	747.1970	IL81	2+66.7818	40.3378' RT	TOPO SURVEY POINT, PIN
4	1685960.1056	2239384.7712	746.9633	IL81	6+44.4178	27.4822' LT	TOPO SURVEY POINT, PIN
65722994	1679874.4500	2250683.4800	736.6059	IL81	120+73.9152	5947.5177' RT	NGS MONUMENT, PERM. SURVEY MARKER
65722993	1673899.6600	2251674.1600	679.4651	IL81	131+92.3917	11899.7083' RT	NGS MONUMENT, PERM. SURVEY MARKER
77710176	1685820.6988	2252266.8656	746.7495	IL81	135+29.5248	31.2936' LT	NGS MONUMENT, DISK
HEN68	1685874.6798	2246439.3827	747.4222	IL81	77+02.5886	53.5307' RT	TOPO SURVEY POINT, DISK
HEN69	1685928.3674	2248138.3393	000.0000	IL81	93+99.4247	48.3694' LT	TOPO SURVEY POINT, DISK
KA34	1638390.5925	2334031.8902	861.8407	IL81	OUT OF CHAIN	------	GPS CONTROL POINT, PERM. SURVEY MARKER

BENCH MARKS

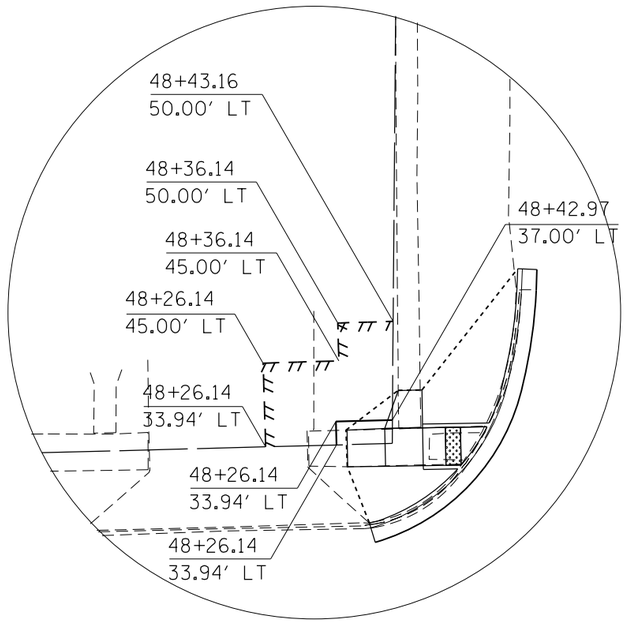
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
453	1685983.5699	2238827.0020	745.3584	IL81	0+86.5343	48.0501' LT	FOUNDATION, CHISELED SQUARE
400	1685782.4894	2247738.4519	757.7015	IL81	90+03.6284	108.1335' RT	FOUNDATION, CUT SQUARE

REFERENCE TIES

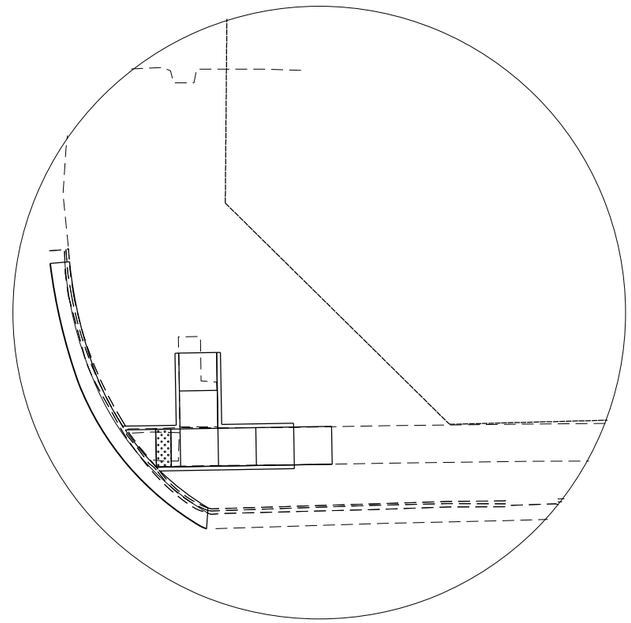
POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
500	1685880.0184	2239110.5989	IL81	3+70.6651	54.0275' RT	TELEPHONE SPLICE BOX
501	1685988.3268	2239064.9441	IL81	3+24.4485	54.0424' LT	POWER POLE
502	1685966.7181	2239377.8618	IL81	6+37.4742	34.0587' LT	PIPE CULVERT
503	1685966.6905	2239418.1273	IL81	6+77.7393	34.2402' LT	PIPE CULVERT
504	1685990.3730	2245544.0898	IL81	68+04.3087	36.066' LT	PIPE CULVERT
505	1685988.9555	2245644.8719	IL81	69+05.0894	37.5812' LT	PIPE CULVERT
506	1685892.8631	2245928.7829	IL81	71+91.6759	50.2104' RT	POWER POLE
507	1685883.5438	2246060.5871	IL81	73+23.6955	55.6911' RT	STUMP|INCH

CURVE POINT NUMBERS

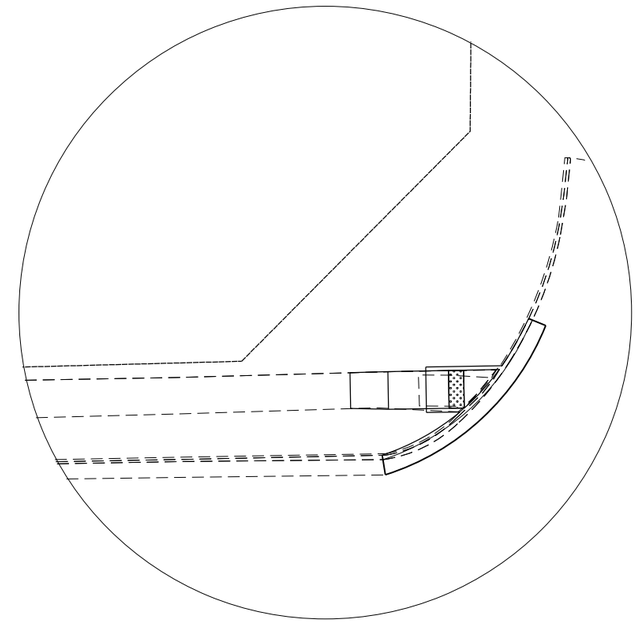
CHAIN	CURVE	PI	CC	PC	PT
IL81	A023260	023260	23261	23262	23263
IL81	A023210	023210	23211	23212	23213
IL81	A023220	023220	23221	23222	23223
IL81	A023270	023270	23271	23272	23273
IL81	A023230	023230	23231	23232	23233



DETAIL A



DETAIL B



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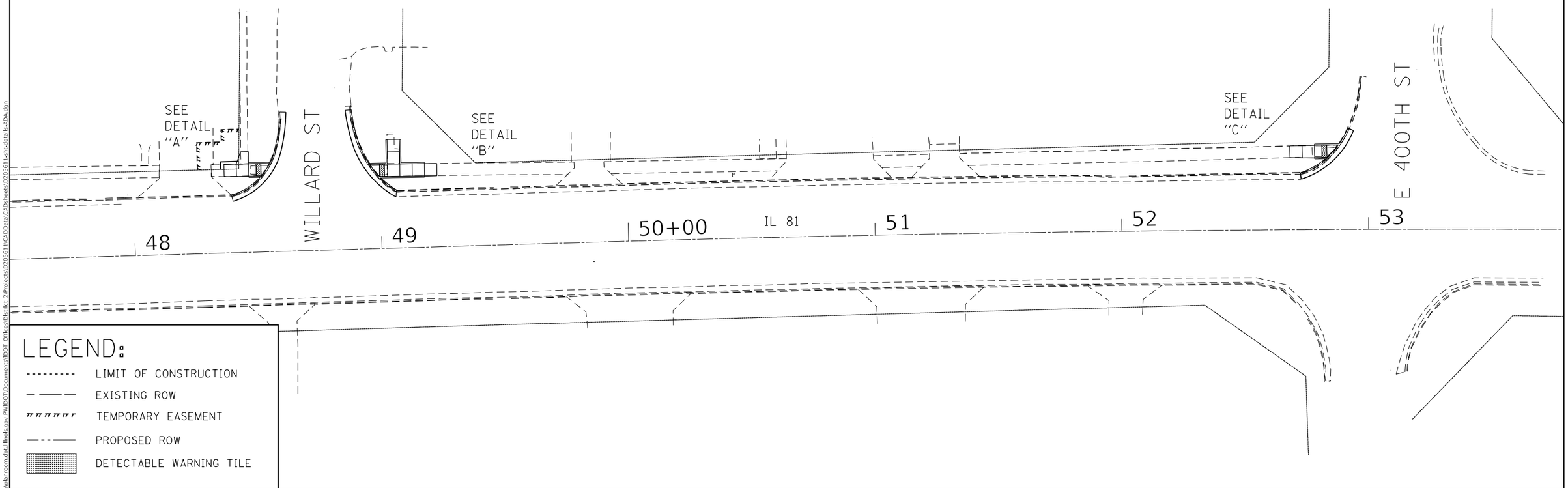

LEGEND:

- LIMIT OF CONSTRUCTION
- EXISTING ROW
- TEMPORARY EASEMENT
- PROPOSED ROW
- DETECTABLE WARNING TILE

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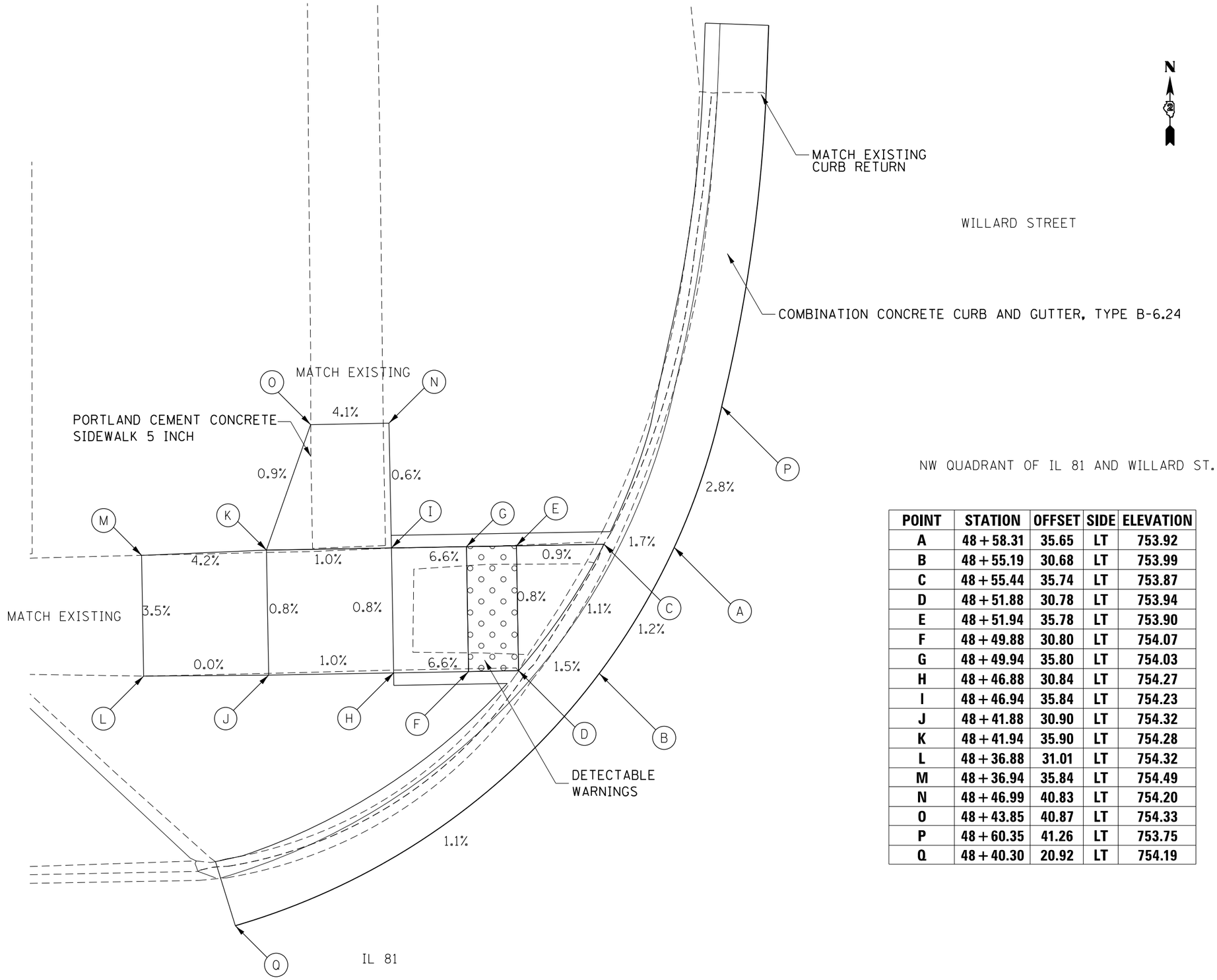
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAIL – LYNN CENTER
IL 81 CORRIDOR

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	16
		CONTRACT NO. 64G94		
		ILLINOIS	FED. AID PROJECT	



NW QUADRANT OF IL 81 AND WILLARD ST.

POINT	STATION	OFFSET	SIDE	ELEVATION
A	48 + 58.31	35.65	LT	753.92
B	48 + 55.19	30.68	LT	753.99
C	48 + 55.44	35.74	LT	753.87
D	48 + 51.88	30.78	LT	753.94
E	48 + 51.94	35.78	LT	753.90
F	48 + 49.88	30.80	LT	754.07
G	48 + 49.94	35.80	LT	754.03
H	48 + 46.88	30.84	LT	754.27
I	48 + 46.94	35.84	LT	754.23
J	48 + 41.88	30.90	LT	754.32
K	48 + 41.94	35.90	LT	754.28
L	48 + 36.88	31.01	LT	754.32
M	48 + 36.94	35.84	LT	754.49
N	48 + 46.99	40.83	LT	754.20
O	48 + 43.85	40.87	LT	754.33
P	48 + 60.35	41.26	LT	753.75
Q	48 + 40.30	20.92	LT	754.19

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PLOT DATE = Oct-08-2020 12:45:46 PM	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

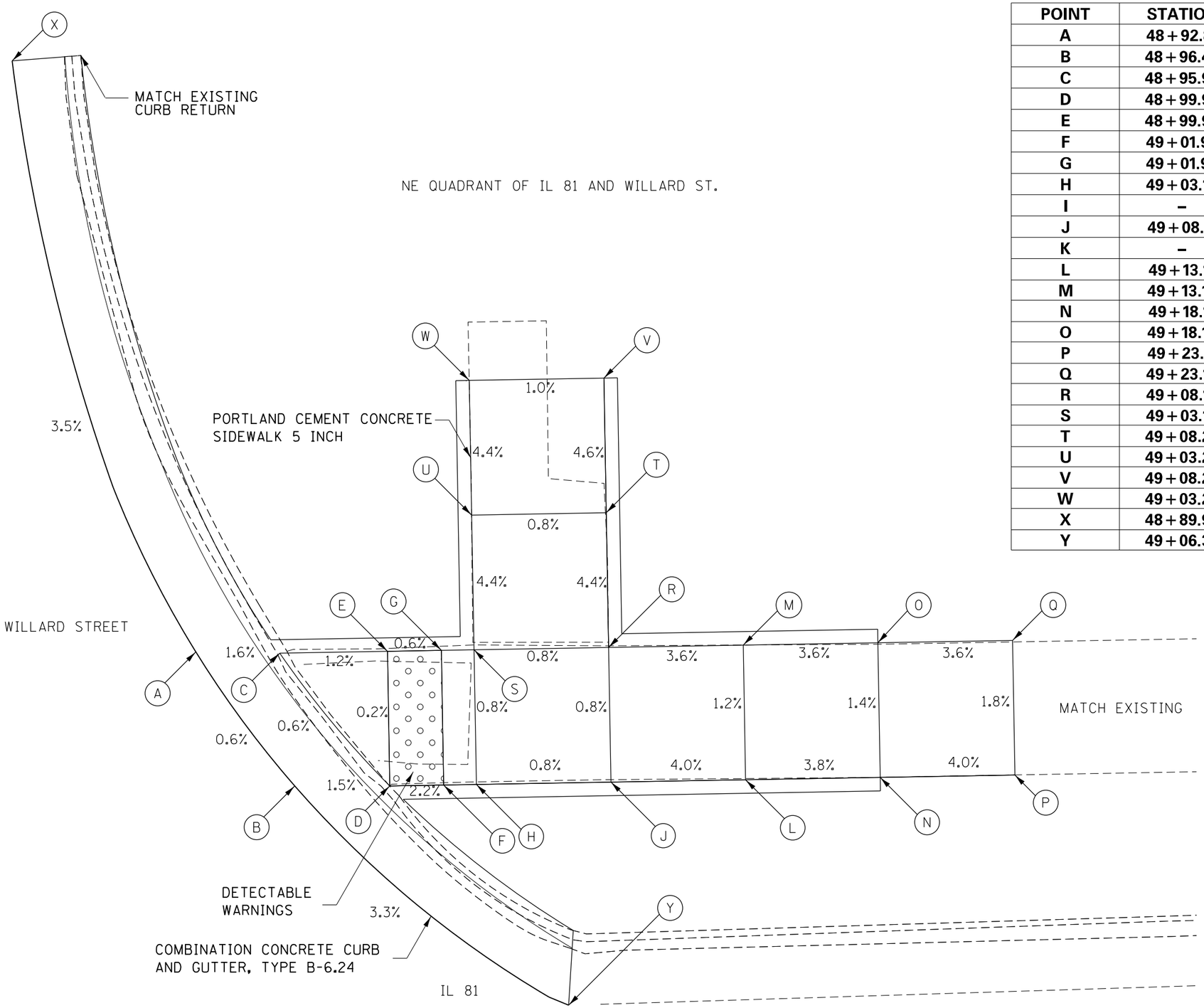
ADA RAMP DETAIL

SCALE: _____ SHEET 1 OF 3 SHEETS STA. _____ TO STA. _____

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	17

CONTRACT NO. 64G94

ILLINOIS FED. AID PROJECT



POINT	STATION	OFFSET	SIDE	ELEVATION
A	48+92.81	34.22	LT	753.97
B	48+96.49	29.12	LT	754.01
C	48+95.96	34.12	LT	753.92
D	48+99.90	29.08	LT	753.96
E	48+99.96	34.08	LT	753.97
F	49+01.90	29.05	LT	754.00
G	49+01.96	34.05	LT	753.98
H	49+03.12	29.04	LT	754.03
I	–	–	LT	–
J	49+08.11	28.98	LT	754.07
K	–	–		–
L	49+13.11	28.92	LT	754.27
M	49+13.17	33.92	LT	754.21
N	49+18.11	28.86	LT	754.46
O	49+18.17	33.86	LT	754.39
P	49+23.11	28.80	LT	754.66
Q	49+23.17	33.80	LT	754.57
R	49+08.17	33.98	LT	754.03
S	49+03.18	34.04	LT	753.99
T	49+08.23	38.98	LT	754.25
U	49+03.23	39.04	LT	754.21
V	49+08.29	43.98	LT	754.48
W	49+03.29	44.04	LT	754.43
X	48+89.95	56.39	LT	753.17
Y	49+06.30	20.75	LT	754.44

N

MODEL: Default
FILE NAME: pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 2\Projects\D205611\CADData\CADsheets\D205611-sht-details-ADA.dgn

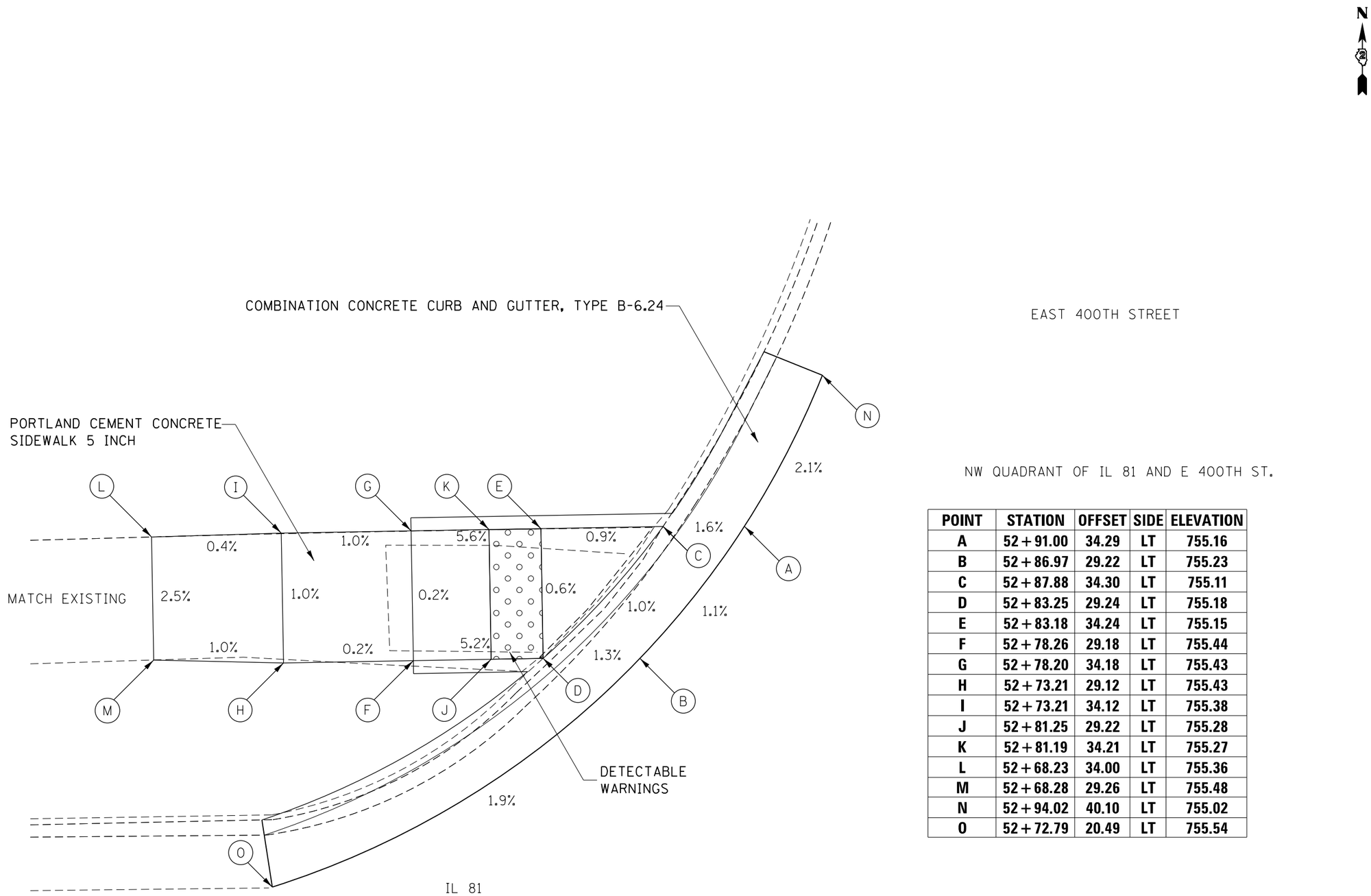
USER NAME = oterod	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 4.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = Oct-08-2020 12:45:47 PM	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAIL

SCALE: _____ SHEET 2 OF 3 SHEETS STA. _____ TO STA. _____

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	18
		CONTRACT NO. 64G94		
		ILLINOIS	FED. AID PROJECT	



POINT	STATION	OFFSET	SIDE	ELEVATION
A	52+91.00	34.29	LT	755.16
B	52+86.97	29.22	LT	755.23
C	52+87.88	34.30	LT	755.11
D	52+83.25	29.24	LT	755.18
E	52+83.18	34.24	LT	755.15
F	52+78.26	29.18	LT	755.44
G	52+78.20	34.18	LT	755.43
H	52+73.21	29.12	LT	755.43
I	52+73.21	34.12	LT	755.38
J	52+81.25	29.22	LT	755.28
K	52+81.19	34.21	LT	755.27
L	52+68.23	34.00	LT	755.36
M	52+68.28	29.26	LT	755.48
N	52+94.02	40.10	LT	755.02
O	52+72.79	20.49	LT	755.54

MODEL: Default
FILE NAME: pw:\\uhanroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 2\Projects\D205611\CADData\CADsheets\D205611-sht-details-ADA.dgn

USER NAME = oterod	DESIGNED - _____	REVISED - _____	
	DRAWN - _____	REVISED - _____	
PLOT SCALE = 4.0000 ' / in.	CHECKED - _____	REVISED - _____	
PLOT DATE = Oct-08-2020 12:45:47 PM	DATE - _____	REVISED - _____	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMP DETAIL

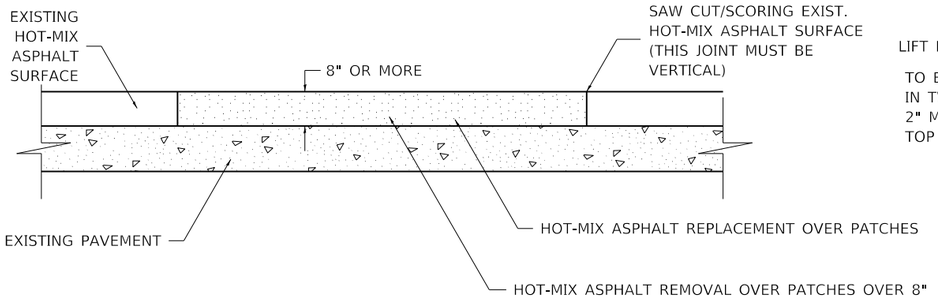
SCALE: _____ SHEET 3 OF 3 SHEETS STA. _____ TO STA. _____

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	19

CONTRACT NO. 64G94

ILLINOIS FED. AID PROJECT

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:

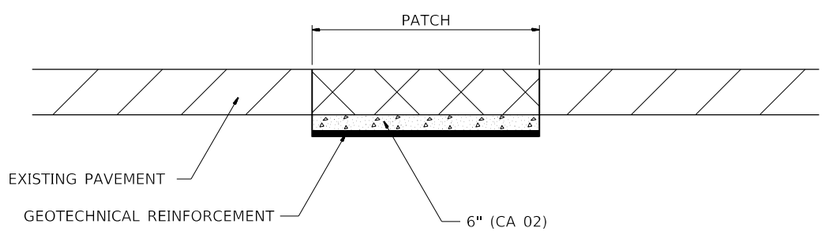
1. FOR BASIS OF PAYMENT: SEE THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 10-03-11

PAVEMENT PATCHING DETAIL 33.4

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.

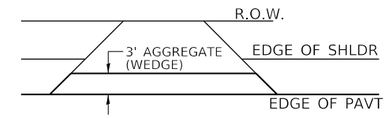
THE GEOTECHNICAL REINFORCEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR GEOTECHNICAL REINFORCEMENT.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

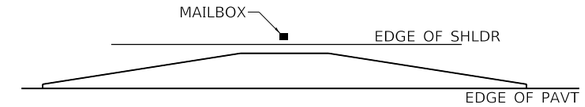
REVISED - 3-13-13

SUBGRADE REPLACEMENT 97.4

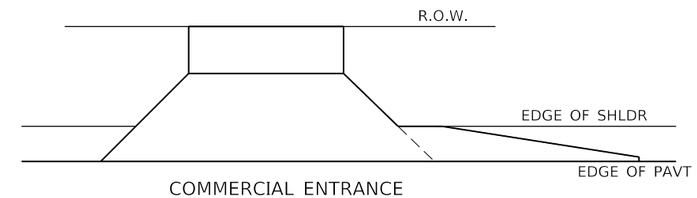
HOT-MIX ASPHALT APPROACHES & MAILBOX RETURNS FOR TWO LIFT (3P) RESURFACING PROJECTS



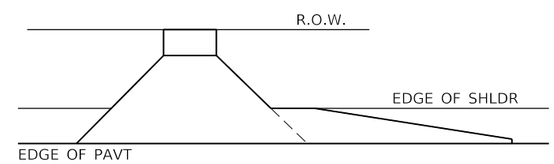
FIELD ENTRANCE



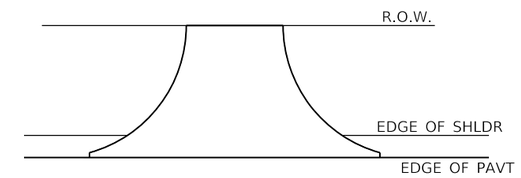
MAILBOX TURNOUT



COMMERCIAL ENTRANCE



PRIVATE ENTRANCE



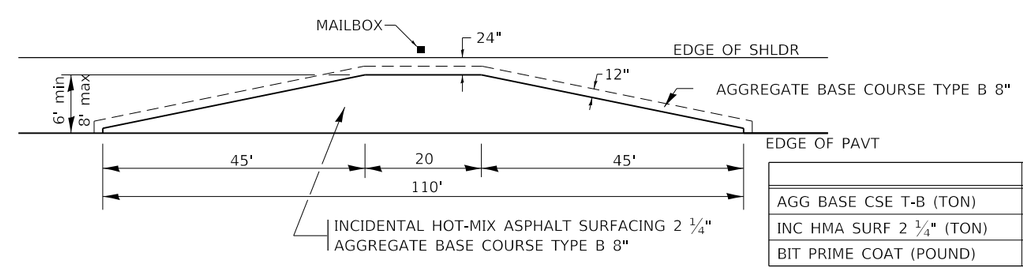
SIDE ROAD RETURN

NOTE: EXISTING HMA PE's, CE's, SR's, & MB TURNOUTS
Place 2 ¼" Incidental Hot-Mix Asphalt Surfacing on entrance to conform to the existing configuration.

EXISTING AGG. PE's & CE's
Place 2 ¼" 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 ¼" (TON)	8.2	11.0
BIT PRIME COAT (POUND)	120	161

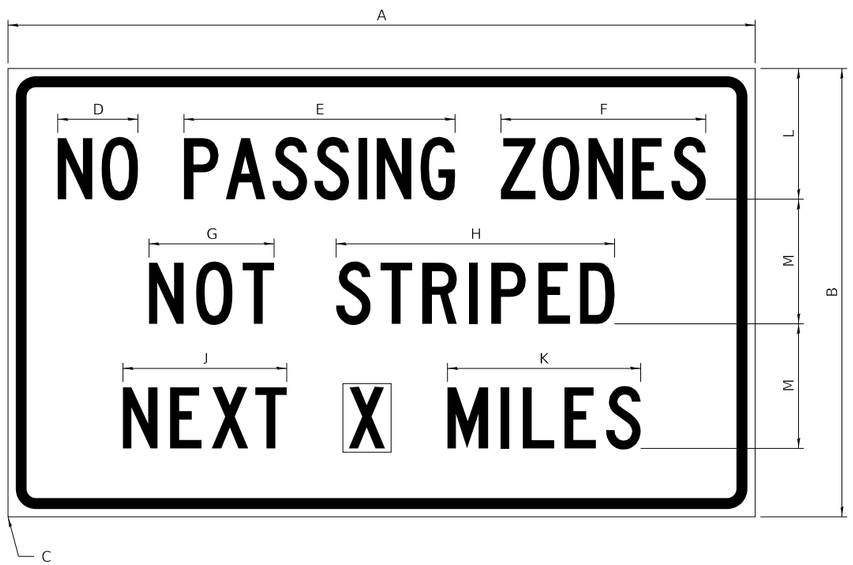
REVISED - 1-05-16	REGION 2 / DISTRICT 2 STANDARD	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
REVISED - 7-21-15		223	101RS-4	HENRY	27 / 20
REVISED - 6-27-14				CONTRACT NO. 64G94	
REVISED - 10-21-08	SCALE: 100.0000 ' / in. SHEET 1 OF 1 SHEETS STA. TO STA.			ILLINOIS	FED. AID PROJECT

HOT-MIX ASPHALT APPROACHES & MAILBOX RETURNS FOR TWO LIFT (3P) RESURFACING PROJECTS 47.2

FILE NAME: pw:\\plantroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 2\Projects\D205611\CADData\CADsheets\D205611-sht-standards.dgn
PLOT DATE = Oct-08-2020 12:58:38 PM

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED

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

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

Sign not to scale

GENERAL NOTES

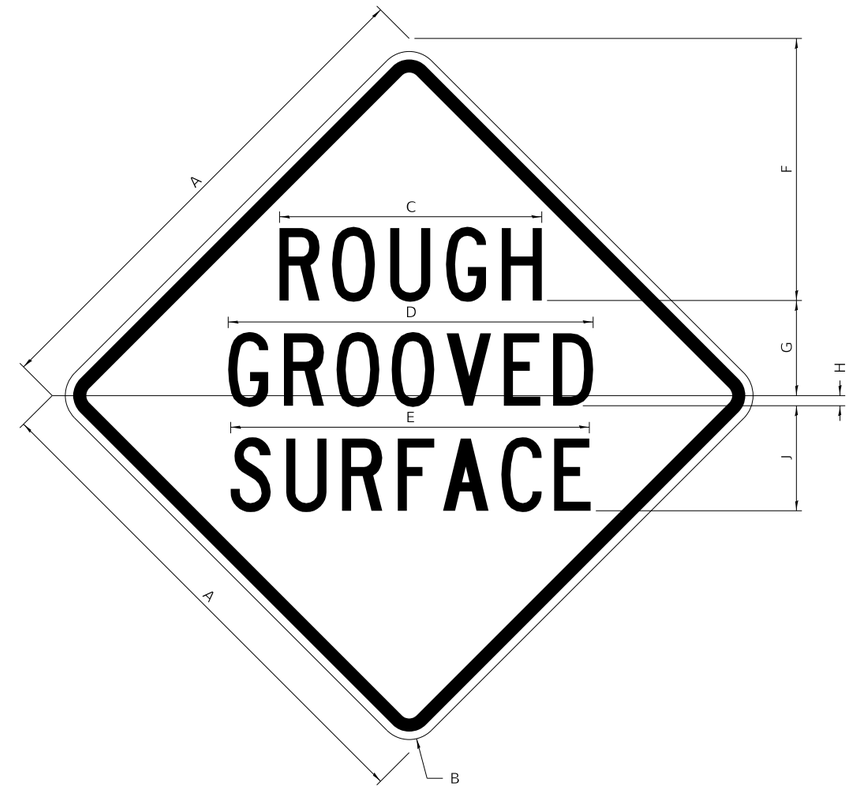
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

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.

ILLINOIS STANDARD W8-I107



COLOR	LEGEND AND BORDER BACKGROUND	BLACK ORANGE	NON-REFLECTORIZED REFLECTORIZED

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

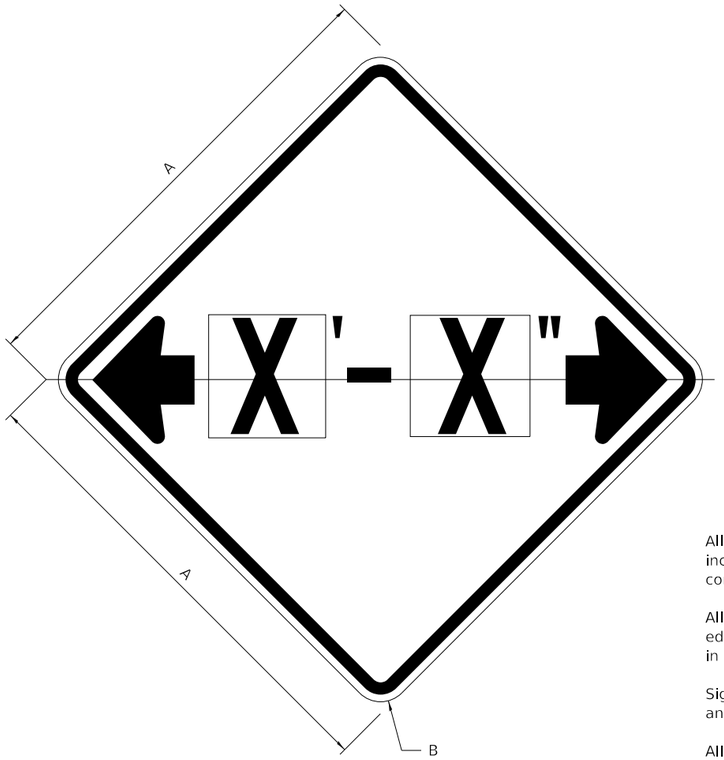
SIGN SIZE	SERIES BY LINE			MARGIN	BORDER
	1	2	3		
48 x 48	7C	7C	7C	1.250	0.750

Sign not to scale

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102

1



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

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

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.

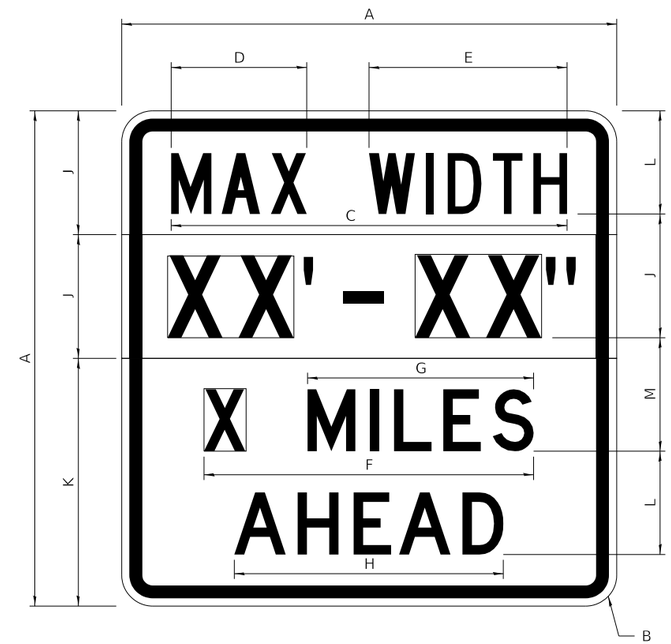
1 Illinois Standard signs W12-I102 and W12-I103 shall be used as described in the special provisions.

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

Sign not to scale

ILLINOIS STANDARD W12-I103

1



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

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

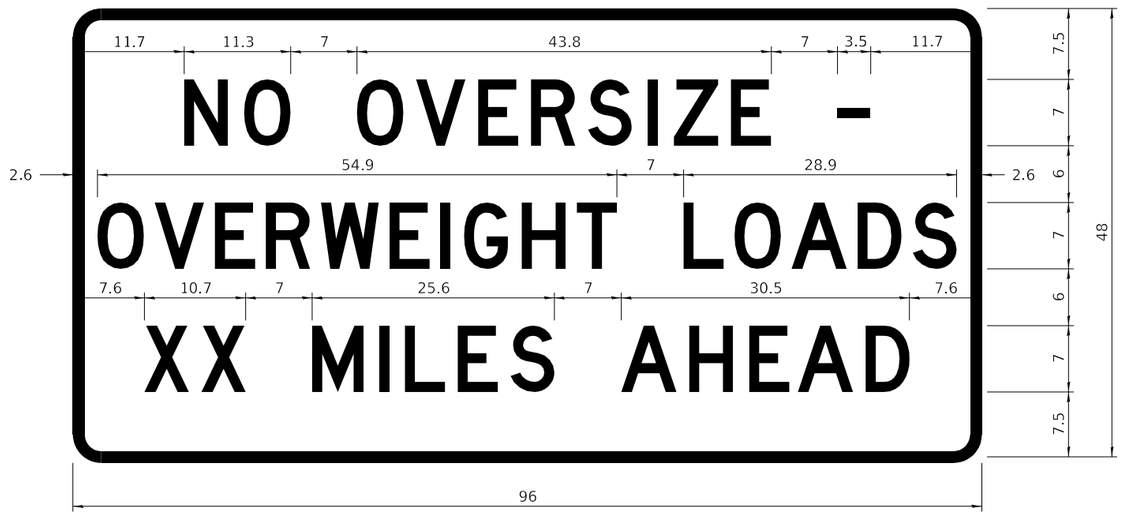
SIGN SIZE	SERIES BY LINE				MARGIN	BORDER
	1	2	3	4		
48 x 48	6C	8D	6D	6D	0.750	1.250

Sign not to scale

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

WORK ZONE SIGN DETAILS

ROAD CLOSED TO OVERSIZED LOADS



COLOR	LEGEND AND BORDER	BLACK	NON-REFLECTORIZED
	BACKGROUND	ORANGE	REFLECTORIZED

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

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

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

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

Sign not to scale

STOP LINE SIGN FOR TEMPORARY SIGNALS

COLOR	LEGEND AND BORDER	BLACK	NON-REFLECTORIZED
	BACKGROUND	WHITE	REFLECTORIZED

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

Sign not to scale

GENERAL NOTES

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

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

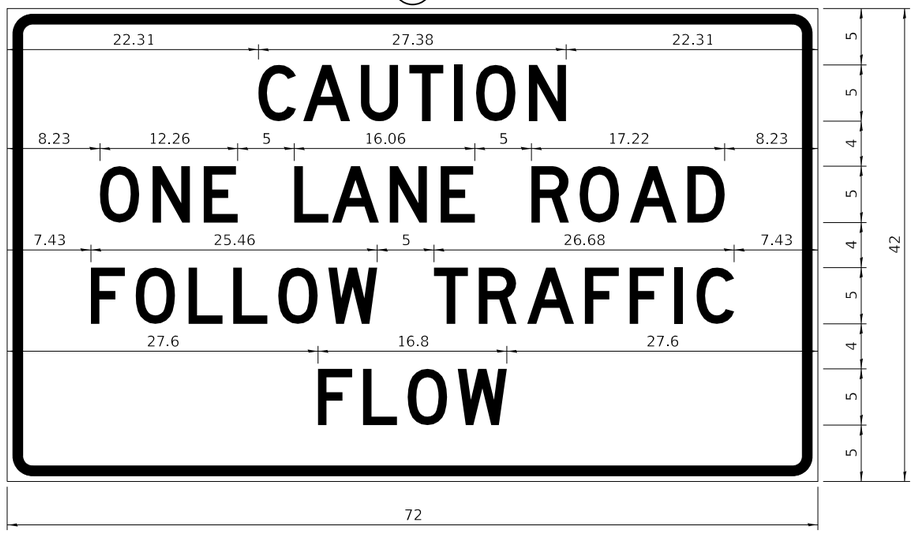
Signs shall meet the applicable portions of Sections 701 and 720 of the Standard Specifications.

All dimensions are in inches unless otherwise noted.

WORK ZONE SIGN DETAILS

ENTRANCE SIGN FOR USE WITH TEMPORARY SIGNALS

(2)



COLOR			
	LEGEND AND BORDER	BLACK	NON-REFLECTORIZED
	BACKGROUND	ORANGE	REFLECTORIZED

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

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

Table Of Widths And Spaces

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

8.23	O 3.51	1.17	N 3.36	1.18	E 3.04

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

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

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

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

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

Sign not to scale

GENERAL NOTES

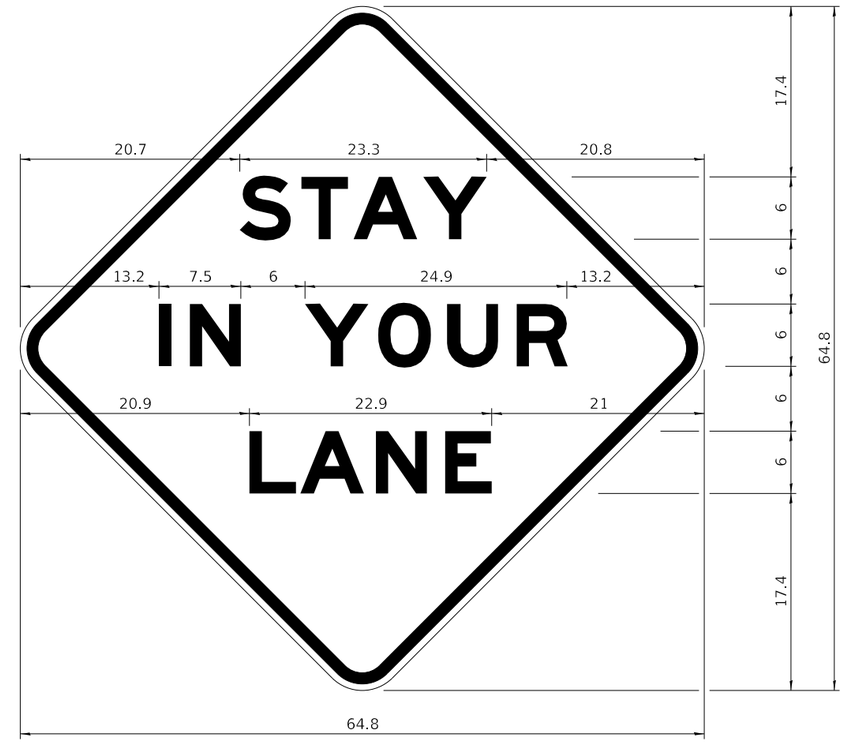
All work to furnish and install these signs shall be included in the cost of the specified traffic control standards and shall not be paid separately.

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.

STAY IN YOUR LANE



COLOR			
	LEGEND AND BORDER	BLACK	NON-REFLECTORIZED
	BACKGROUND	ORANGE	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 20.7	T 26.8	A 31.6	Y 38.0

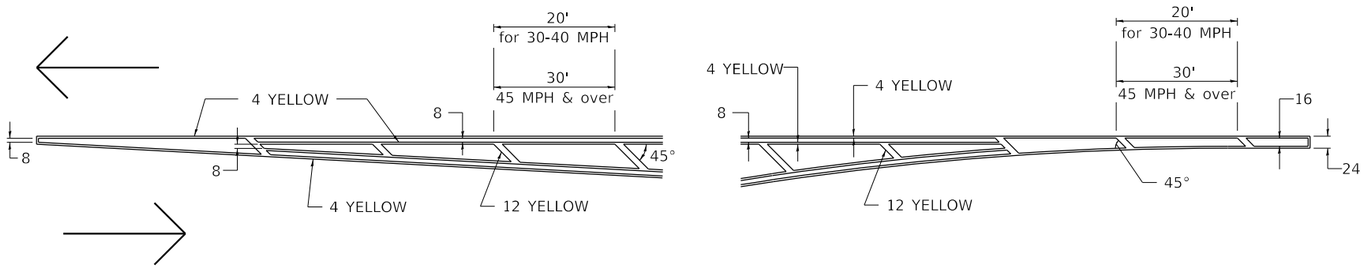
I 13.2	N 15.9	Y 26.7	O 33.9	U 40.5	R 46.8

L 20.9	A 25.8	N 33.1	E 39.4

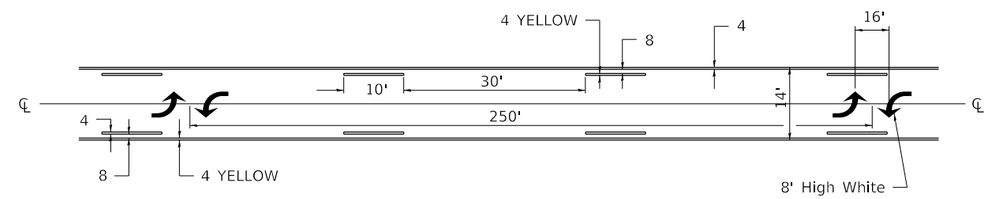
Sign not to scale

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

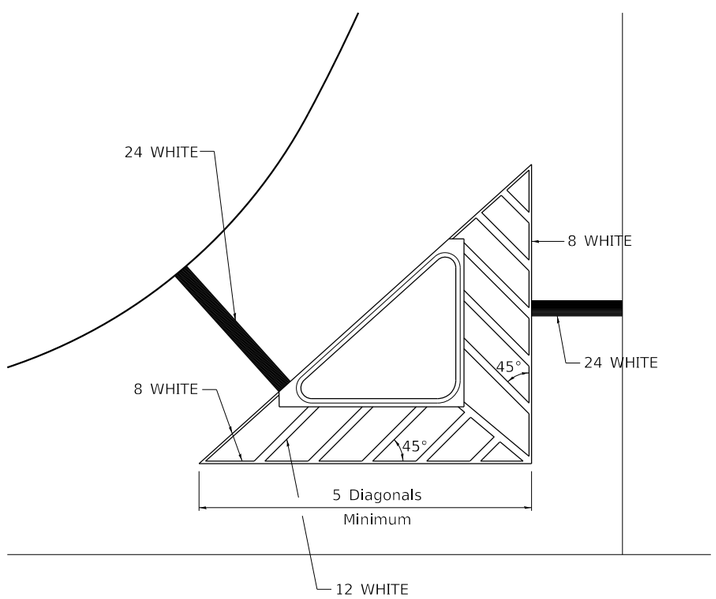


MEDIAN PAVEMENT MARKING



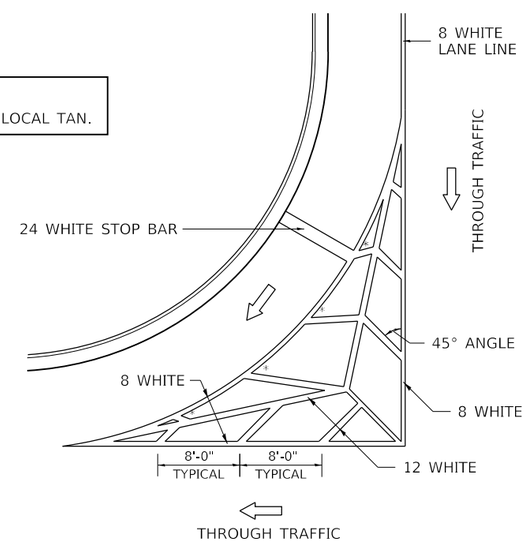
** ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



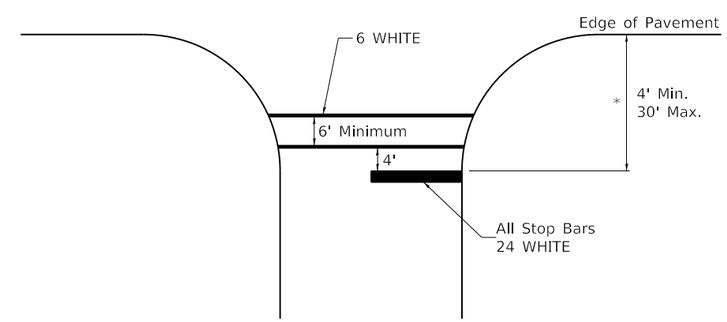
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations

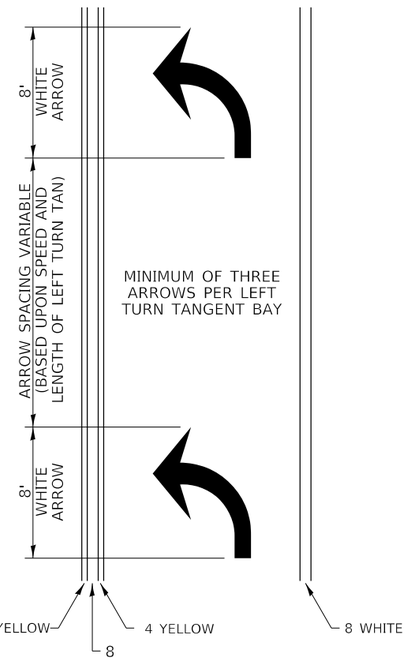


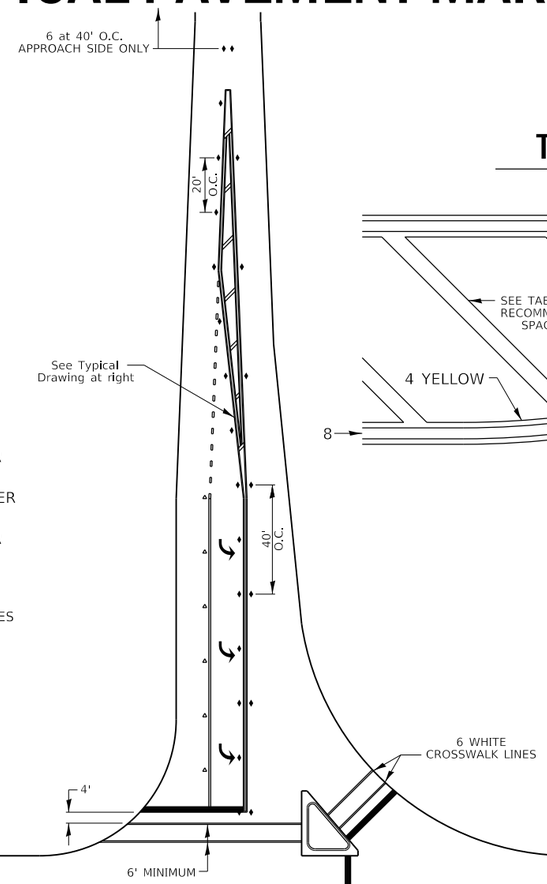
* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME: pw:\\planroom.dot.illinois.gov:PWIDOT\Documents\IDOT Offices\District 2\Projects\D205611\CAD\DRAWING sheets\D205611-sht-standards.dgn	USER NAME = oterod	DESIGNED -	REVISED - 6-27-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			REVISED - 3-05-12			223	HENRY	101RS-4	27	25
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 64G94		
	PLOT DATE = Oct-08-2020 12:58:40 PM	DATE -	REVISED -		SCALE: SHEET 1 OF 3 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT





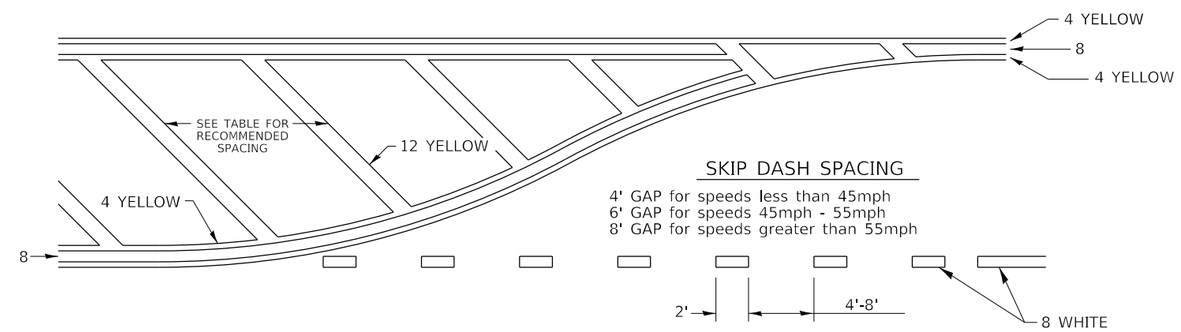
◀ ONE-WAY AMBER MARKER

◁ ONE-WAY CRYSTAL MARKER

◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



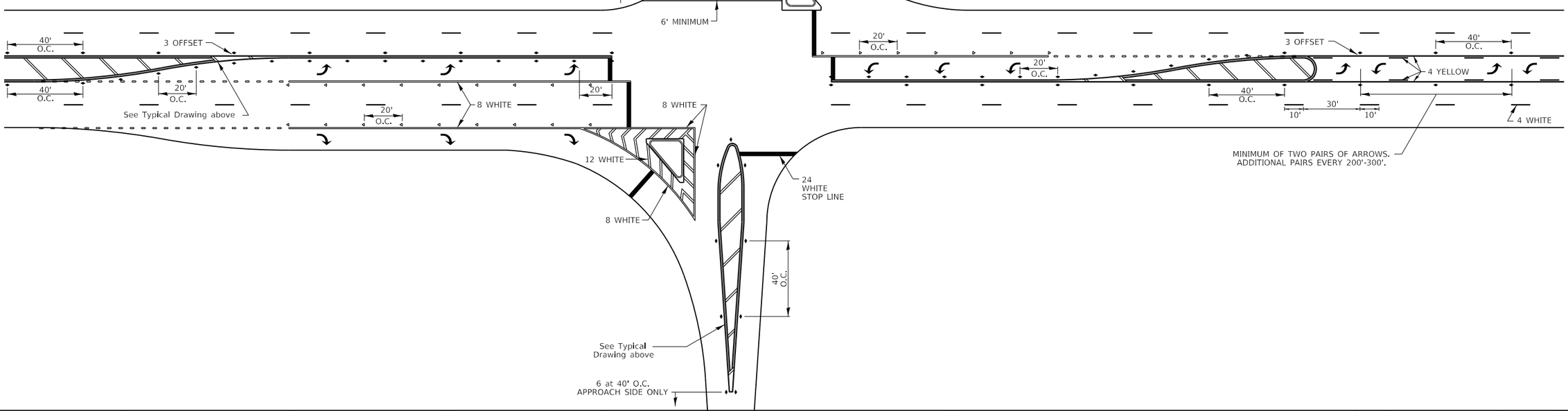
SKIP DASH SPACING

4' GAP for speeds less than 45mph
6' GAP for speeds 45mph - 55mph
8' GAP for speeds greater than 55mph

RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

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

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



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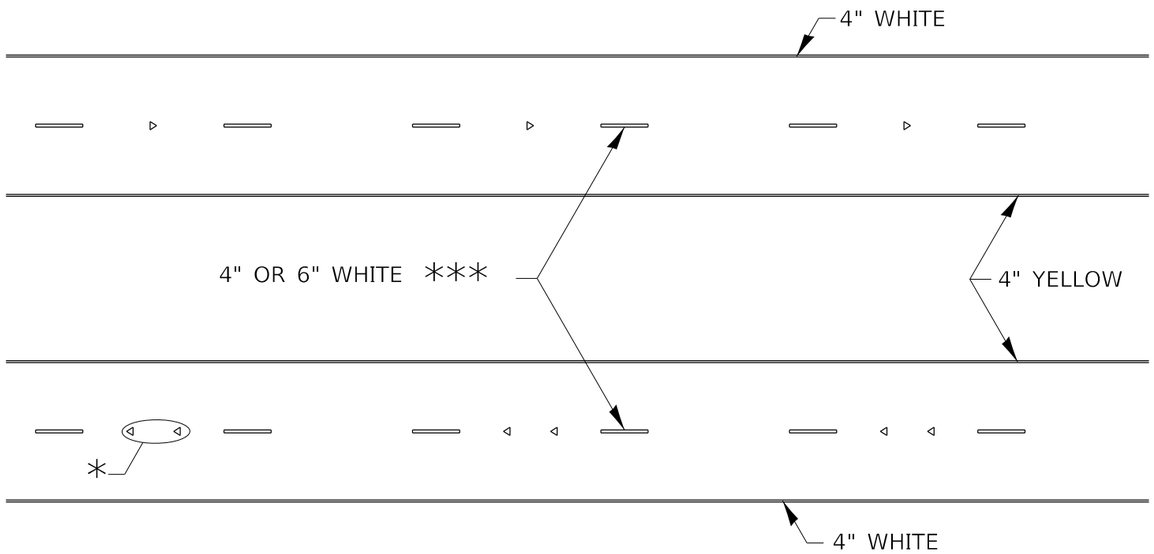
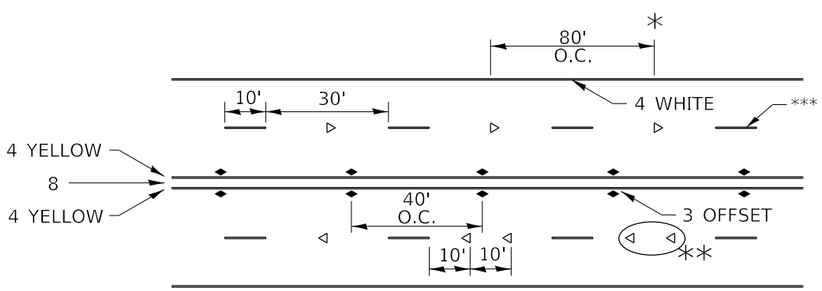
		DRAWN -	REVISED - 3-05-12			223	101RS-4	HENRY	27	26
	PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -					CONTRACT NO. 64G94		
	PLOT DATE = Oct-08-2020 12:58:40 PM	DATE -	REVISED -		SCALE: SHEET 2 OF 3 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

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.

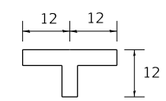
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

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

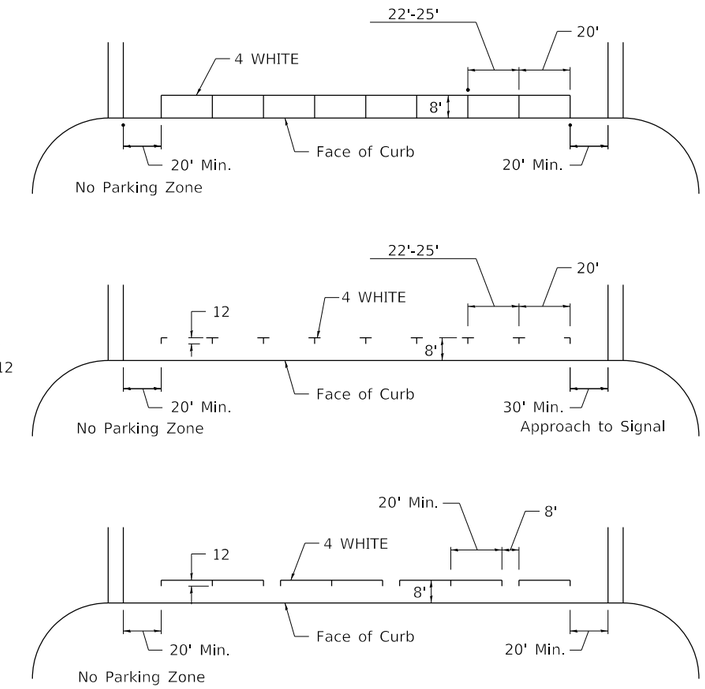
MULTI-LANE / UNDIVIDED & ONE WAY

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

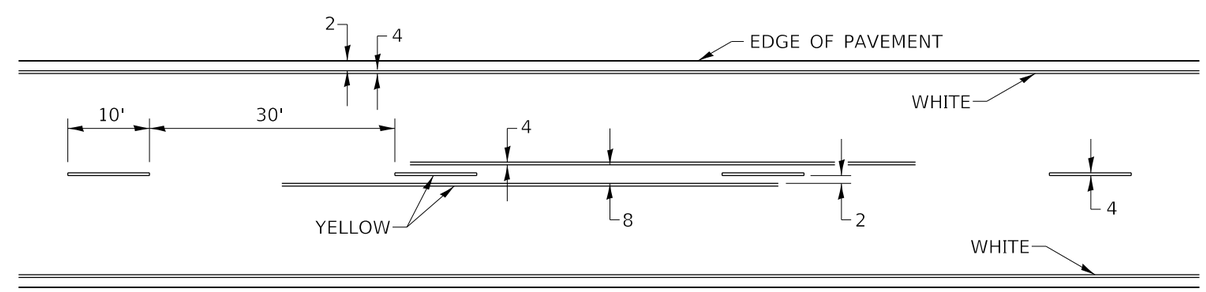
SYMBOLS



TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



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REGION 2 / DISTRICT 2 STANDARD

SCALE: | SHEET 3 OF 3 SHEETS | STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
223	101RS-4	HENRY	27	27

CONTRACT NO. 64G94

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