

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP	8SFY	WHITESIDE	27	1
		ILLINOIS	CONTRACT NO. 64R22	

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

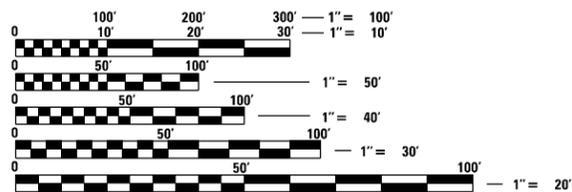
PROPOSED HIGHWAY PLANS

FAP ROUTE 646 (IL 40)
SECTION 8SFY
PROJECT HSIP-K16C(951)
SAFETY IMPROVEMENT AT SCIENCE RIDGE RD.
WHITESIDE COUNTY

HIGHWAY CLASSIFICATION

CLASSIFICATION: MINOR ARTERIAL
ADT: 5,600 (2019) PV = 5,255
DESIGN SPEED: 55 MPH MU = 160
POSTED SPEED: 55 MPH SU = 185

STERLING TOWNSHIP – SECTION 9

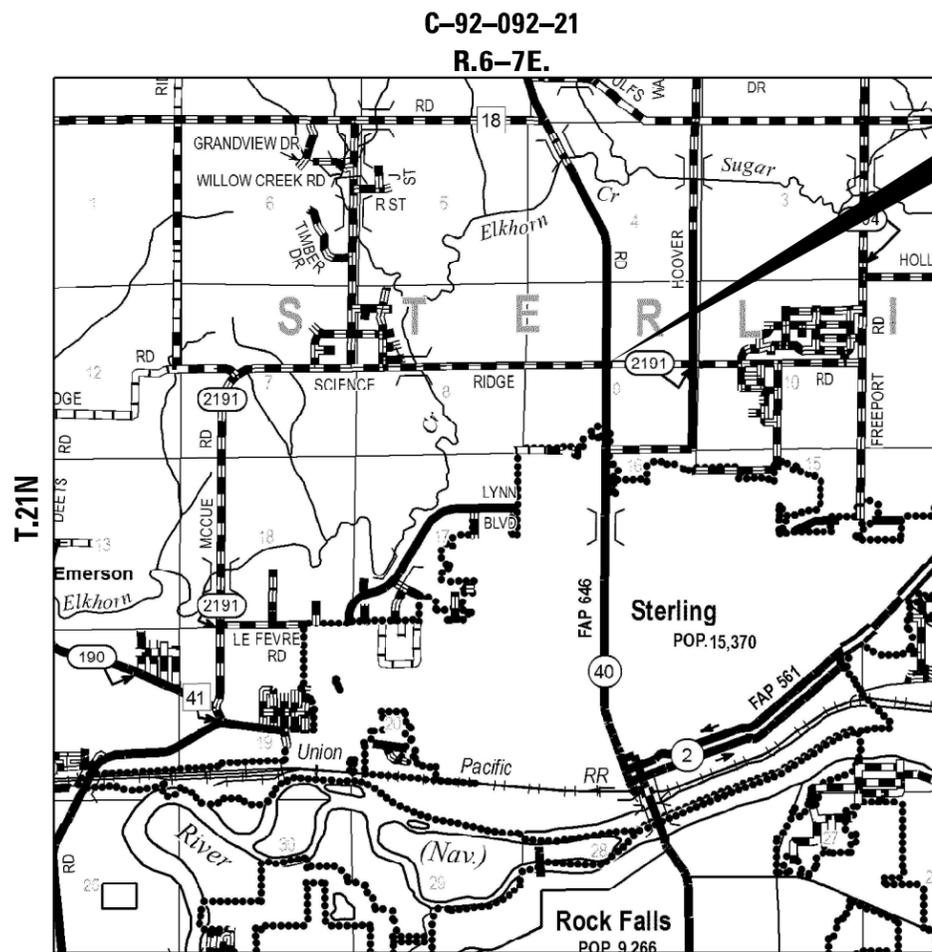


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

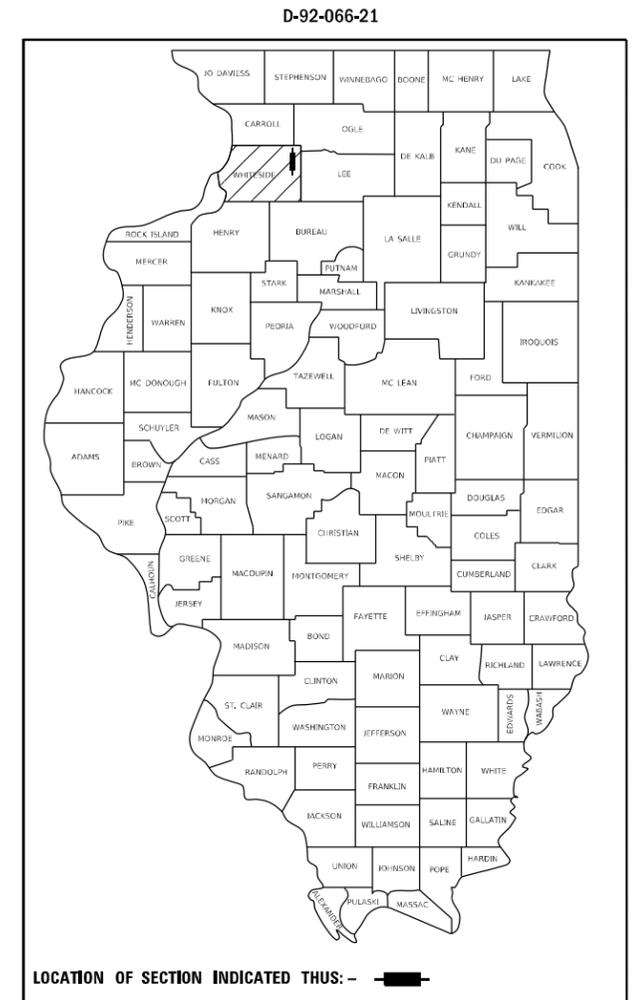
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

PROJECT ENGINEER FAITH DUNCAN
PROJECT MANAGER BRAD CUSHMAN 815-284-5996
EMAIL: BRAD.CUSHMAN@ILLINOIS.GOV
CONTRACT NO. 64R22

GROSS LENGTH = 1,870 FT. = 0.35 MILE
NET LENGTH = 1,870 FT. = 0.35 MILE



PROJECT BEGINS
STA. 867 + 03
PROJECT ENDS
STA. 885 + 73



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED 06/16 2021
David Almond
REGIONAL ENGINEER

August 13, 2021
Scott A. Elk
ENGINEER OF DESIGN AND ENVIRONMENT

August 13, 2021
James J. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

MODEL: Default
 FILE NAME: p:\planningroom\dot\illinois\dot\pww\DOT\Documents\DOT_Offices\District 2\Projects\6161822\Program_Development\Studies & Plans\Design\CADD\CAD\Sheet\02-64R22-sh1-500.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				90% FEDERAL	10% STATE
				SAFETY	
				0021	RURAL
42001300	PROTECTIVE COAT	SQ YD	43		43
44000100	PAVEMENT REMOVAL	SQ YD	43		43
44213200	SAW CUTS	FOOT	150		150
44213204	TIE BARS 3/4"	EACH	40		40
67100100	MOBILIZATION	L SUM	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1
70107006	PAVEMENT MARKING BLACKOUT TAPE, 6"	FOOT	1274		1274
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	30		30
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	1192		1192
70300904	PAVEMENT MARKING TAPE, TYPE IV 4"	FOOT	1666		1666
* 72000100	SIGN PANEL - TYPE 1	SQ FT	129		129
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	61		61
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	9		9
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	30		30

* SPECIALTY ITEMS

USER NAME = cushmarbw PLOT SCALE = 100,0000' / in. PLOT DATE = Jun-16-2021 12:28:08 PM	DESIGNED - _____ DRAWN - _____ CHECKED - _____ DATE - _____	REVISED - _____ REVISED - _____ REVISED - _____ REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE. = 646 SECTION = 85FY COUNTY = WHITESIDE TOTAL SHEETS = 27 SHEET NO. = 3 CONTRACT NO. 64R22	SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____	ILLINOIS FED. AID PROJECT
--	--	--	---	------------------------------	---	---	---------------------------

GENERAL NOTES

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

Com Ed	630/437-2212
Nicor Gas Co.	630/388-3019
Stratus Networks	309/222-2080
City of Sterling	815/632-6624
AT&T	630/573-5465
Commercial Broadband Solutions	574/389-3100

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.

Cold weather protection of concrete will be incidental to concrete island (special).

This project must be fully completed in 2021.

FILE NAME = 64R22.GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -			FAP 646	8SFY	Whiteside	27	5	
	PLOT SCALE =	CHECKED -	REVISED -					CONTRACT NO. 64R22			
	PLOT DATE = 8/16/2021 1:16 PM	DATE - 8/10/2021 5:07 PM	REVISED -			ILLINOIS		FED. AID PROJECT			
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

X7830076 GROOVING FOR RECESSED PAVEMENT MARKING 9"

FOOT	LOCATION	OFFSET	REMARKS
94	875+81 - 876+31	RT	Island
20	875+95 - 876+15	RT	Left Turn Lane
94	876+63 - 877+13	LT	Island
20	876+80 - 877+00	RT	Left Turn Lane
228	TOTAL		

X7830078 GROOVING FOR RECESSED PAVEMENT MARKING 13"

FOOT	LOCATION	OFFSET	REMARKS
24	876+25 - 876+31	RT	SE CORNER ISLAND
24	876+62 - 876+68	LT	NW CORNER ISLAND
48	TOTAL		

X7830090 GROOVING FOR RECESSED PAVEMENT MARKING 25"

FOOT	LOCATION	OFFSET	REMARKS
12	876+04	LT & RT	Left Turn Stop Bar
13	876+15	RT	Thru Lane Stop Bar
15	876+17	RT	Right Turn Stop Bar
12	876+90	LT & RT	Left Turn Stop Bar
13	876+80	LT	Thru Lane Stop Bar
16	876+84	LT	Right Turn Stop Bar
81	TOTAL		

Z0055100 RUMBLE RESURFACING

SQ YD	LOCATION	OFFSET	REMARKS
45	867+03 - 867+28	RT	
73	871+13 - 871+38	RT	
115	873+13 - 873+38	RT	
66	879+64 - 879+89	LT	
42	881+64 - 881+89	LT	
41	885+48 - 885+73	LT	
382	TOTAL		

MODEL: Default
 FILE NAME: p:\planningroom\dot\illinois.gov\PWIDOT\Documents\IDOT_Offices\District 2\Projects\61822\Program_Developments\Studies & Plans\Design\CADD\CAD\Sheet\02-64R22-shf-500.dgn

USER NAME = cushmarbw	DESIGNED - _____	REVISED - _____
PLOT SCALE = 100,0000' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = Jun-16-2021 12:29:45 PM	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	8FSY	WHITESIDE	27	7
			CONTRACT NO. 64R22	
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: p:\planningroom\dot\illinois.gov\PIWIDOT\Documents\IDOT_Offices\District 2\Projects\6161822\Program_Developments\Studies & Plans\Design\CADD\CAD\Sheet\02-64R22-sht-500.dgn

Station	Side	Common Name of Sign	Sign Code	Size Hor (in)	Size Ver (in)	72000100	72400310	72400710	72800100	72800100	73000100	Notes
						SIGN PANEL TYPE 1 (SQ FT)	REMOVE SIGN PANEL Type 1 (SQ FT)	RELOCATE SIGN PANEL TYPE I (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FOOT) (2 in)	TELESCOPING STEEL SIGN SUPPORT (FOOT) (2 1/4 in)	WOOD SIGN SUPPORT (FOOT)	
883+56	Right	STOP AHEAD sign	W3-1	36	36	9.00					18.0	
		CROSS ROAD sign	W2-1	36	36		9.00					
		SCIENCE RIDGE ROAD name plate	W17-1100	36	15			4.50				
876+03	Right	STOP sign	R1-1	36	36	9.00			10.0	5.0		In Radius
		DO NOT ENTER sign	R5-1	36	36	9.00						
876+18	Right	STOP sign	R1-1	36	36	9.00					14.0	In Island
		ALL WAY sign	R1-3p	21	9	1.31						
876+71	Right	STOP sign	R1-1	48	48	16.00	9.00					
		ALL WAY sign	R1-3p	21	9	1.31						
		CROSS TRAFFIC DOES NOT STOP sign	W 14-1100	36	18		4.50					
876+21	Left	ALL WAY sign	R1-3p	21	9	1.31						
		CROSS TRAFFIC DOES NOT STOP sign	W 14-1100	36	18		4.50					
876+75	Left	STOP sign	R1-1	36	36	9.00					14.0	In Island
		ALL WAY sign	R1-3p	21	9	1.31						
876+90	Left	STOP sign	R1-1	36	36	9.00			10.0	5.0		In Radius
		DO NOT ENTER sign	R5-1	36	36	9.00						
883+71	Left	STOP AHEAD sign	W3-1	36	36	9.00					18.0	
		CROSS ROAD sign	W2-1	36	36		9.00					
		SCIENCE RIDGE ROAD name plate	W17-1100	36	15			4.50				
Science Ridge Rd. East		STOP AHEAD sign	W3-1	36	36	18.00	12.50				36.0	
Science Ridge Rd. West		STOP AHEAD sign	W3-1	36	36	18.00	12.50				36.0	
Total						129	61	9	20	10	136	

USER NAME = cushmarbw	DESIGNED - _____	REVISED - _____
	DRAWN - _____	REVISED - _____
PLOT SCALE = 100,0000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = Jun-16-2021 12:30:21 PM	DATE - _____	REVISED - _____

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

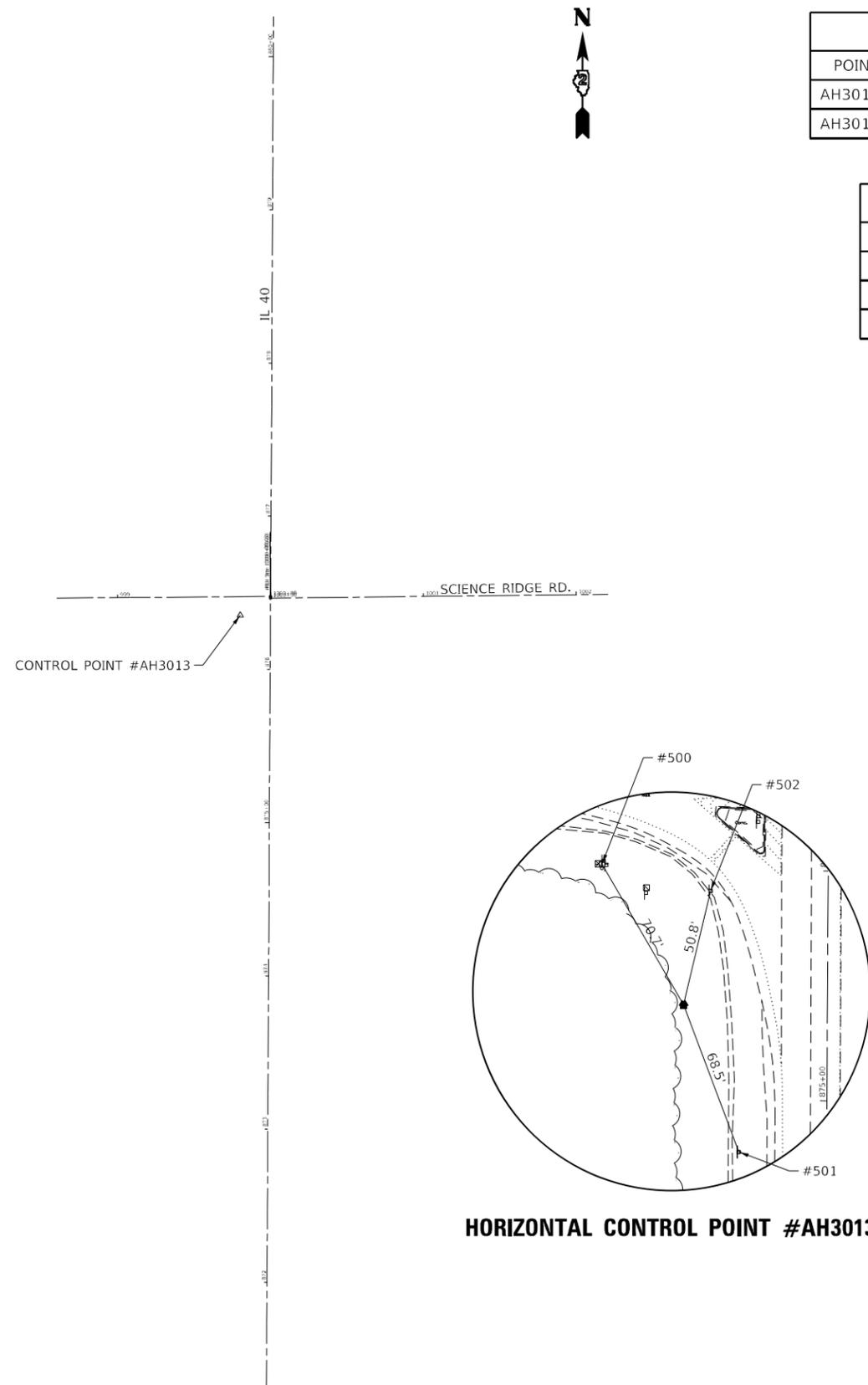
SIGN SCHEDULE

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	85FY	WHITESIDE	27	8
CONTRACT NO. 64R22				
ILLINOIS FED. AID PROJECT				

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
AH3013	1878348.8500	2424155.0700	677.6877	IL40	875+41.59	62.77' LT	WHI40-2A NGS HORIZONTAL MONUMENT
AH3014	1882305.4600	2424252.1400	655.7709	IL40	914+90.16	50.35' LT	WHI40-2B NGS HORIZONTAL MONUMENT

REFERENCE TIES						
POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
500	1878409.9690	2424119.5030	IL40	876+02.52	98.6512' LT	POWER POLE WITH TRANSFORMER
501	1878284.7370	2424179.2000	IL40	874+77.60	38.3132' LT	SIGN
502	1878398.2590	2424166.8830	IL40	875+91.06	51.2118' LT	SIGN



HORIZONTAL CONTROL POINT #AH3013

Curve Data

Curve A7292200
P.I. Station 851+78.19 N 1,875,985.1566 E 2,424,205.7281
Delta = 0° 15' 45.05" (LT)
Degree = 0° 01' 34.50"
Tangent = 500.0000'
Length = 999.9982'
Radius = 218,258.6385'
External = 0.5727'
Long Chord = 999.9974'
Mid. Ord. = 0.5727'
P.C. Station 846+78.19 N 1,875,485.1802 E 2,424,200.8747
P.T. Station 856+78.18 N 1,876,485.1501 E 2,424,208.2906
C.C. N 1,877,603.7355 E 2,205,952.5185

Course from PT A7292200 to PC A7292210 N 0° 17' 37.12" E Dist 5,494.5466'

Curve Data

Curve A7292210
P.I. Station 915+30.11 N 1,882,337.0028 E 2,424,238.2820
Delta = 28° 04' 23.81" (LT)
Degree = 4° 00' 29.26"
Tangent = 357.3830'
Length = 700.4088'
Radius = 1,429.4898'
External = 43.9971'
Long Chord = 693.4236'
Mid. Ord. = 42.6834'
P.C. Station 911+72.73 N 1,881,979.6245 E 2,424,236.4504
P.T. Station 918+73.14 N 1,882,653.1961 E 2,424,071.7157
C.C. N 1,881,986.9507 E 2,422,806.9793

Course from PT A7292210 to PC A7292220 N 27° 46' 46.68" W Dist 4,354.7916'

MODEL: Default
FILE NAME: p:\pub\mbarrom.edu\illinois.gov\PWIDOT\Documents\DOT_Offices\District 2\Projects\161822\Program_Developments\Studies & Plans\Design\CADD\CAD\Sheet\02-64R22-sh1-ATB.dgn

USER NAME = cushmarbw	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = Jun-16-2021 11:56:09 AM	DATE -	REVISED -

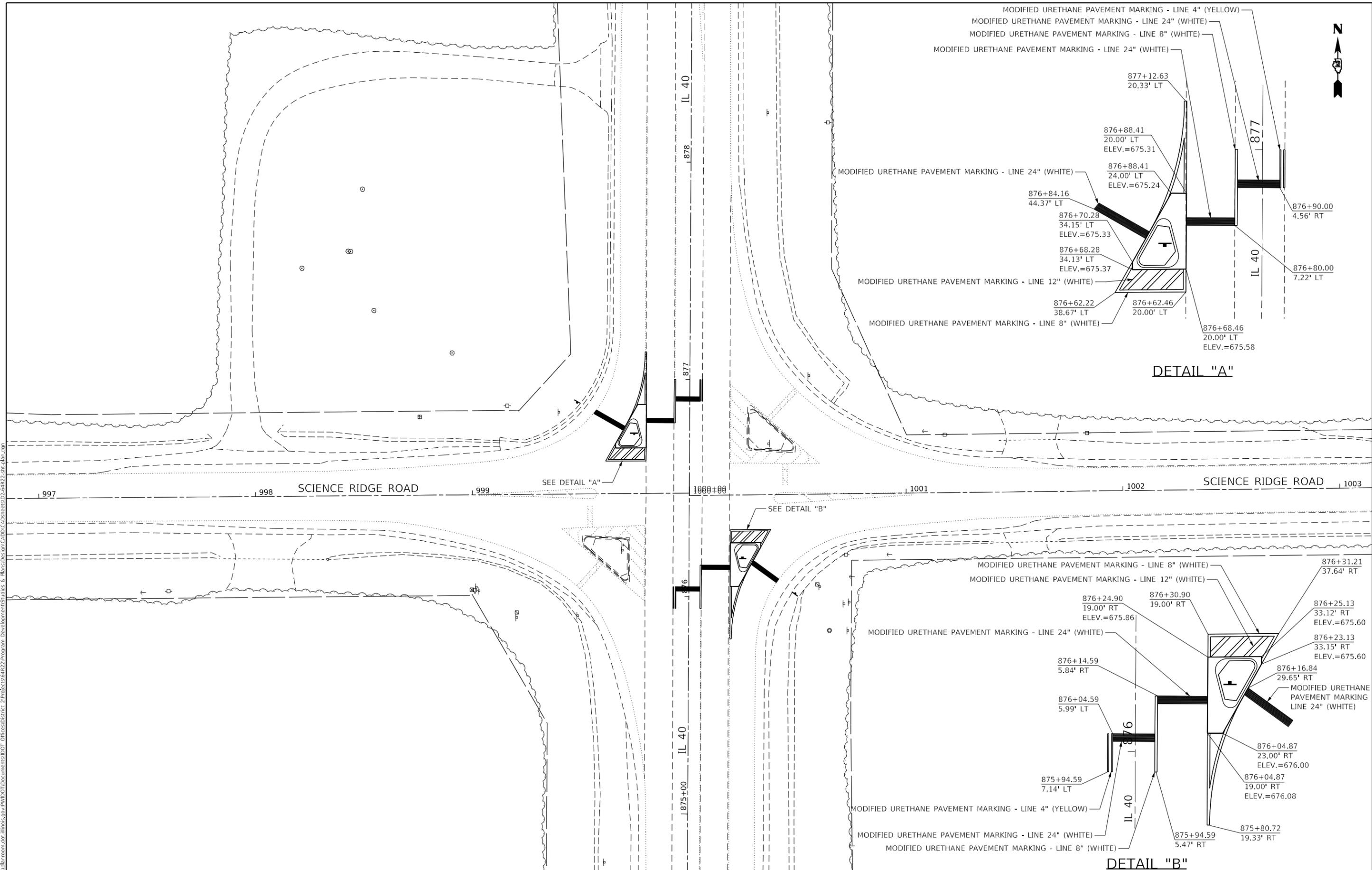
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

HORIZONTAL & VERTICAL CONTROL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	8FSY	WHITESIDE	27	9
CONTRACT NO. 64R22				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: p:\mhammon.dwt\illinois\dot\Documents\DOT_Offices\District 2\Projects\61822\Program_Developments\Studies & Plans\Design\CADD\CAD\Sheet\02-64R22-sh1a1b1r.dwg



DETAIL "A"

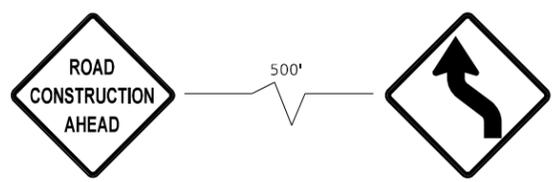
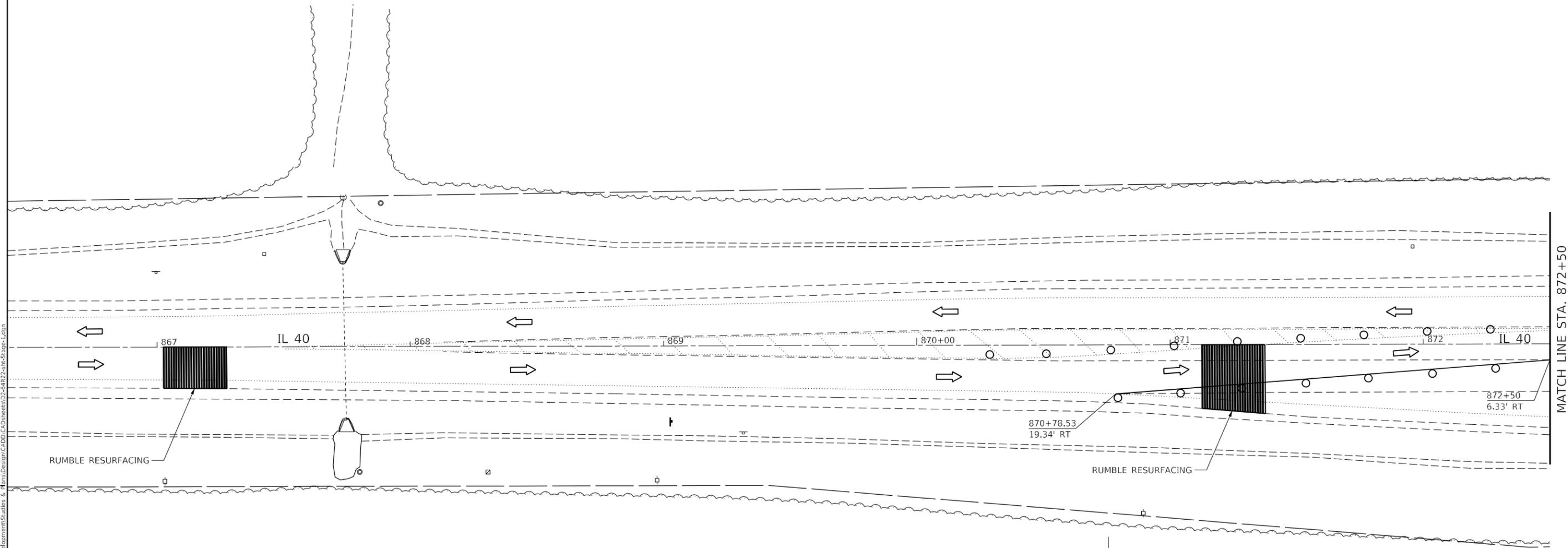
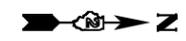
DETAIL "B"

USER NAME = cushmarbw	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISOR -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISOR -
PLOT DATE = Jun-16-2021 11:58:29 AM	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	85FY	WHITESIDE	27	10
CONTRACT NO. 64R22				
ILLINOIS FED. AID PROJECT				



STAGE 1 SEQUENCE OF WORK

1. INSTALL RUMBLE STRIPS ON IL 40 NORTHBOUND AND SOUTHBOUND USING FLAGGERS (701201).
 2. SET TRAFFIC CONTROL SIGNING INCLUDING TEMPORARY STOP AHEAD SIGNING ALONG WITH TEMPORARY STOP SIGNS AT THE INTERSECTION USING (701201).
USE DISTRICT STD. 38.1 & 94.2 FOR TRAFFIC CONTROL.
 3. CONSTRUCT SOUTHEAST CORNER ISLAND
- ALL TEMPORARY SIGNING WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).

MODEL: Default
 FILE NAME: p:\pub\mroom.dwt\illinois.gov\PWDOT\Documents\DOT_Offices\District 2\Projects\61822\Program_Development\Studies & Plans\Design\CADD\CAD\Sheet\02-64R22-sht-Stage-1.dgn

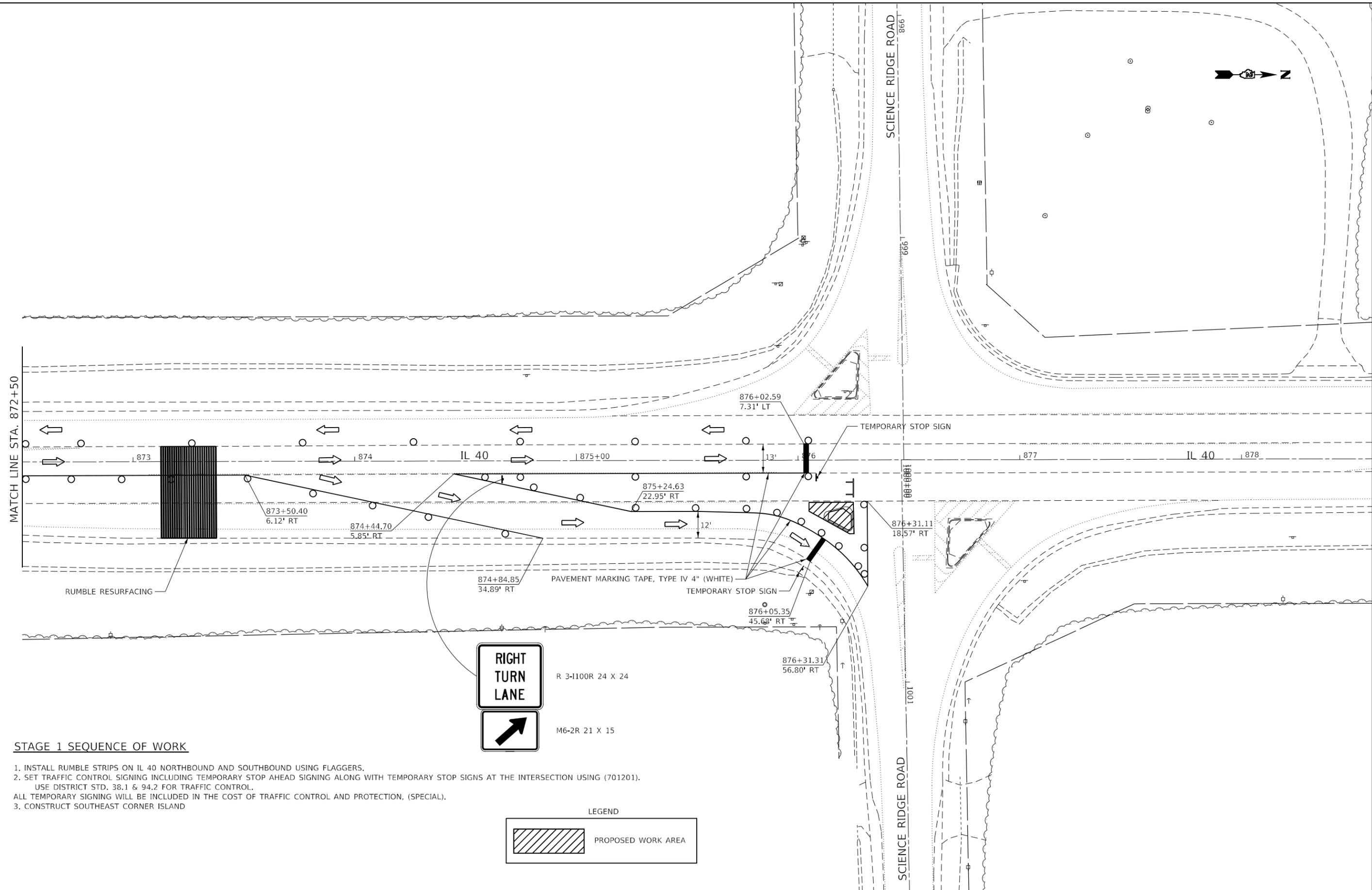
USER NAME = cushmarbw	DESIGNED -	REVISED -
DRAWN -	REVISIED -	
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = Jun-16-2021 12:06:00 PM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	85FY	WHITESIDE	27	12
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64R22	

MODEL: Default
 FILE NAME: p:\pub\baronm.dwt\illinois.gov\PWIDOT\Documents\DOT_Offices\District 2\Projects\61822\Program_Development\Studies & Plans\Design\CADD\CAD\Sheet\02-64R22-sht-Stage-1.dgn

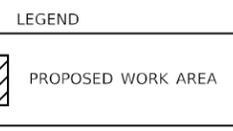


STAGE 1 SEQUENCE OF WORK

1. INSTALL RUMBLE STRIPS ON IL 40 NORTHBOUND AND SOUTHBOUND USING FLAGGERS.
2. SET TRAFFIC CONTROL SIGNING INCLUDING TEMPORARY STOP AHEAD SIGNING ALONG WITH TEMPORARY STOP SIGNS AT THE INTERSECTION USING (701201).
USE DISTRICT STD. 38.1 & 94.2 FOR TRAFFIC CONTROL.
ALL TEMPORARY SIGNING WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
3. CONSTRUCT SOUTHEAST CORNER ISLAND



R 3-1100R 24 X 24
M6-2R 21 X 15



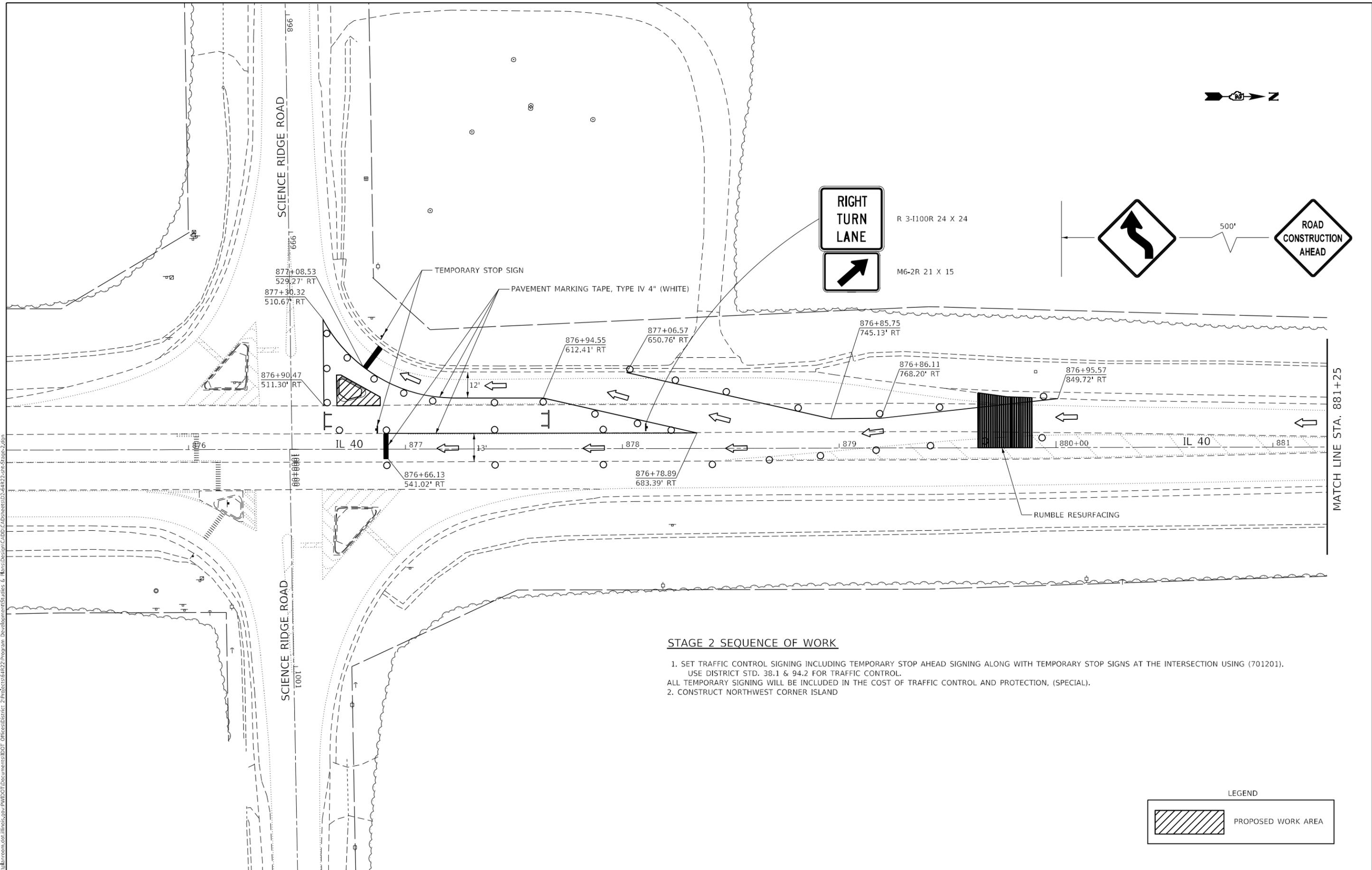
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 1

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	8FSY	WHITESIDE	27	13
CONTRACT NO. 64R22				
ILLINOIS FED. AID PROJECT				

MODEL: Default
 FILE NAME: p:\pub\amr\room.dwg
 PROJECT: 161822\Program_Development\Studies & Plans\Design\CADD\CAD\Sheet102.dwg
 PROJECT: 161822\Program_Development\Studies & Plans\Design\CADD\CAD\Sheet102.dwg



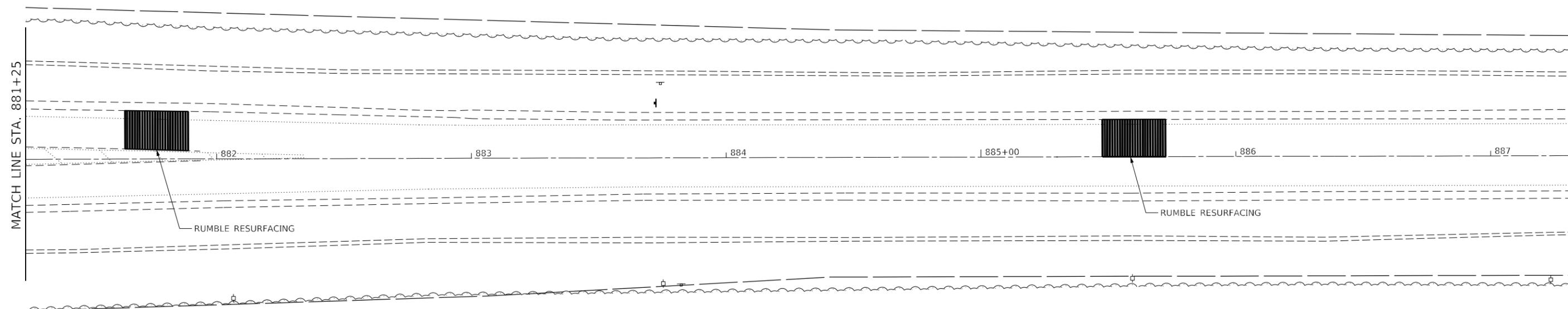
STAGE 2 SEQUENCE OF WORK

1. SET TRAFFIC CONTROL SIGNING INCLUDING TEMPORARY STOP AHEAD SIGNING ALONG WITH TEMPORARY STOP SIGNS AT THE INTERSECTION USING (701201).
 USE DISTRICT STD. 38.1 & 94.2 FOR TRAFFIC CONTROL.
 ALL TEMPORARY SIGNING WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
2. CONSTRUCT NORTHWEST CORNER ISLAND

LEGEND

	PROPOSED WORK AREA
--	--------------------

USER NAME = cushmarbw PLOT SCALE = 40,0000 * / in. PLOT DATE = Jun-16-2021 12:08:07 PM	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">STAGE 2</p>	F.A.P. RTE. 646 SECTION 8FSY COUNTY WHITESIDE TOTAL SHEETS 27 SHEET NO. 14 CONTRACT NO. 64R22 ILLINOIS FED. AID PROJECT
SCALE:	SHEET	OF	SHEETS	STA.	TO STA.



STAGE 2 SEQUENCE OF WORK

1. SET TRAFFIC CONTROL SIGNING INCLUDING TEMPORARY STOP AHEAD SIGNING ALONG WITH TEMPORARY STOP SIGNS AT THE INTERSECTION USING (701201).
USE DISTRICT STD. 38.1 & 94.2 FOR TRAFFIC CONTROL.
ALL TEMPORARY SIGNING WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
2. CONSTRUCT NORTHWEST CORNER ISLAND

MODEL: Default
 FILE NAME: p:\pub\lhammon.dwt\illinois.gov\PWIDOT\Documents\DOT_Offices\District 2\Projects\64R22\Program_Development\Studies & Plans\Design\CADD\CAD\Sheet\02-64R22-sht-Stage2.dgn

USER NAME = cushmarbw	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = Jun-16-2021 12:08:19 PM	DATE -	REVISED -

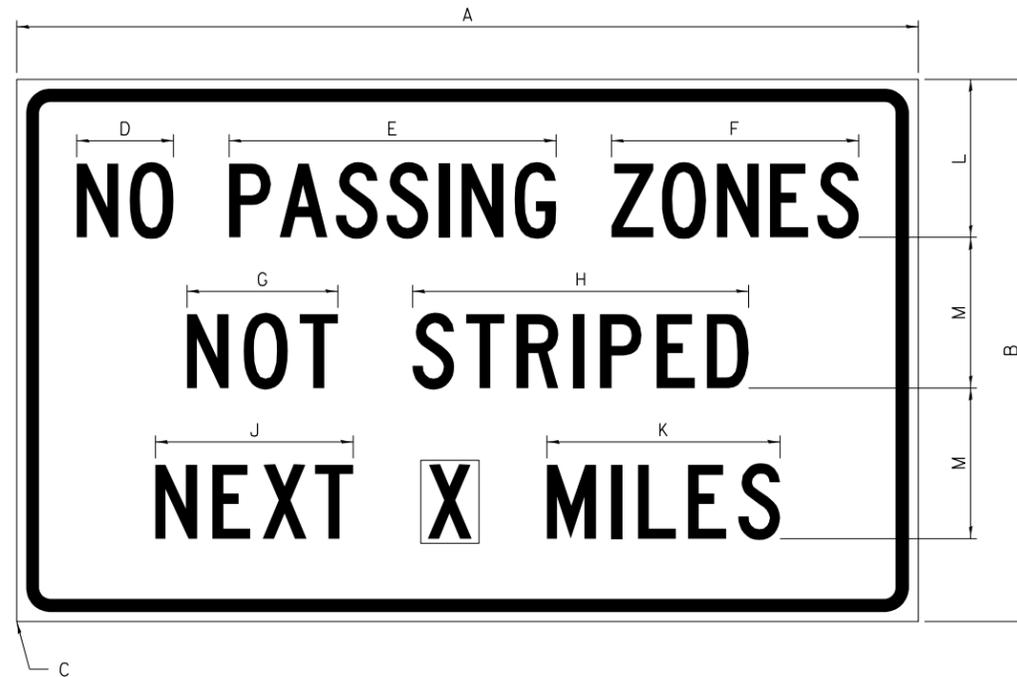
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

STAGE 2	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 646	SECTION 8FSY	COUNTY WHITESIDE	TOTAL SHEETS 27	SHEET NO. 15
CONTRACT NO. 64R22				
ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD G20-I100



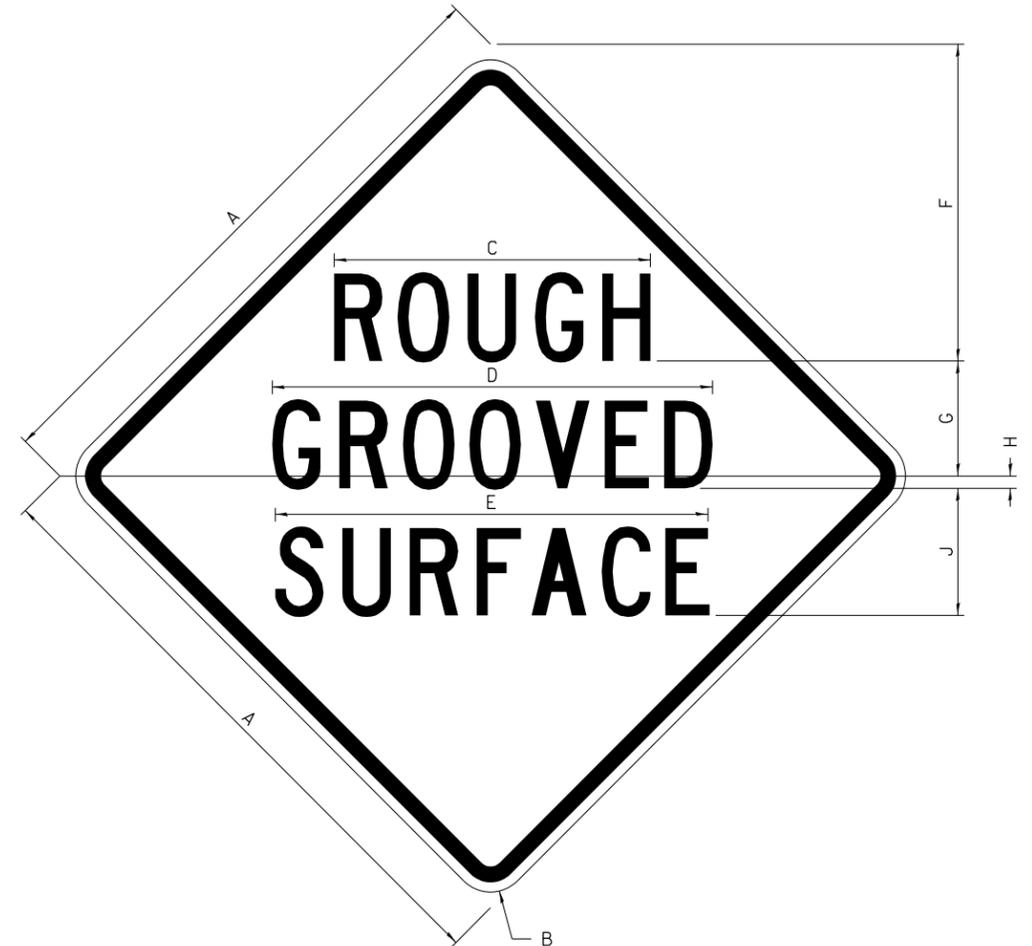
COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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

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

Sign not to scale

ILLINOIS STANDARD W8-I107



COLOR LEGEND AND BORDER BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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

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

Sign not to scale

GENERAL NOTES

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

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

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

All dimensions are in inches unless otherwise noted.

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED - 3-02-16
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\64R22\DRAWN Development\Studies & Plans\Design\REVISIONS\02.64R22-shd-details.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

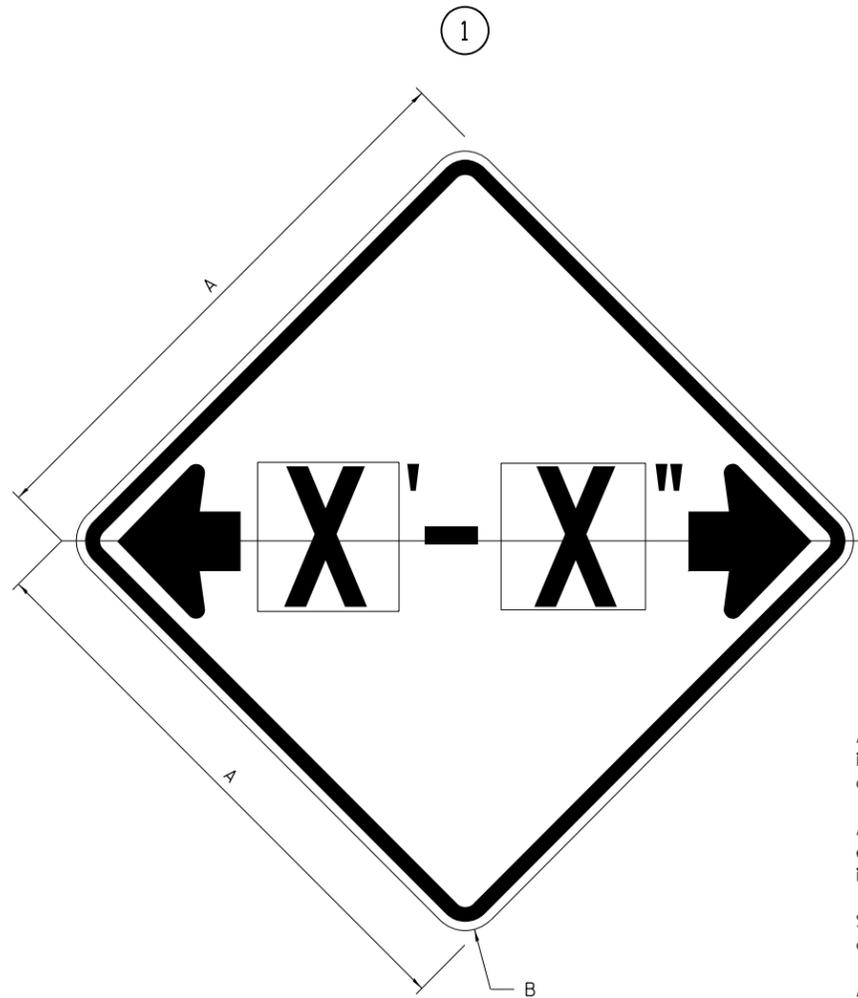
REGION 2 / DISTRICT 2 STANDARD

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

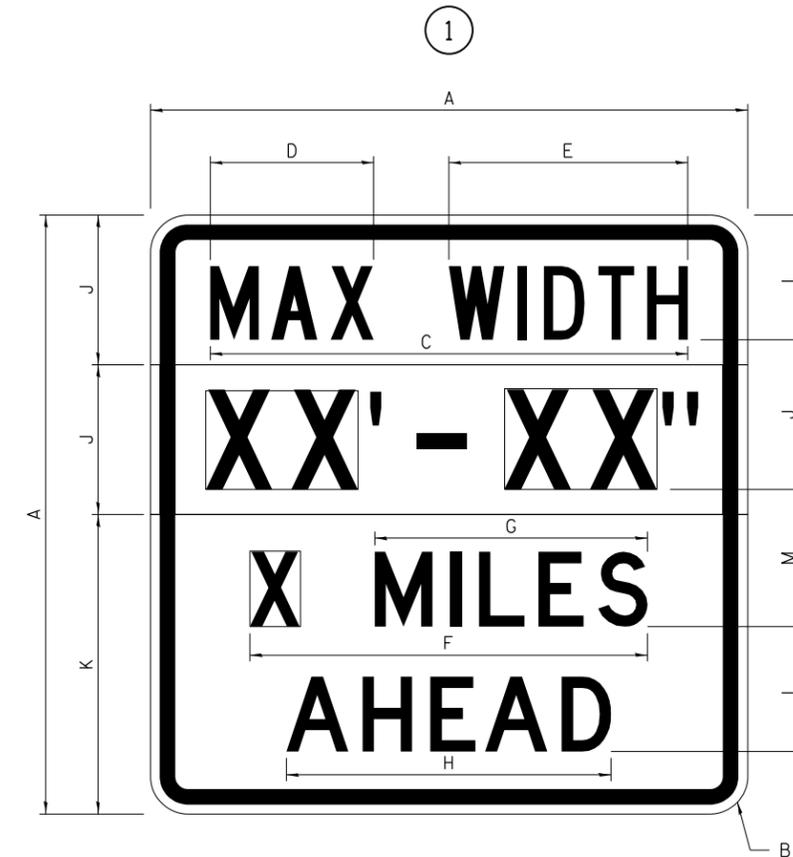
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	8FSY	WHITESIDE	27	17
CONTRACT NO. 64R22				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

WORK ZONE SIGN DETAILS

ILLINOIS STANDARD W12-I102



ILLINOIS STANDARD W12-I103



GENERAL NOTES

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

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

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

All dimensions are in inches unless otherwise noted.

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

SIGN SIZE	DIMENSIONS	
	A	B
48 x 48	48.00	3.00

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

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

Sign not to scale

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

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

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

Sign not to scale

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

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED - 3-02-16
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\64R22\DRAWN Development\Studies & Plans\Design\ASDsheets\02.64R22-shd-details.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

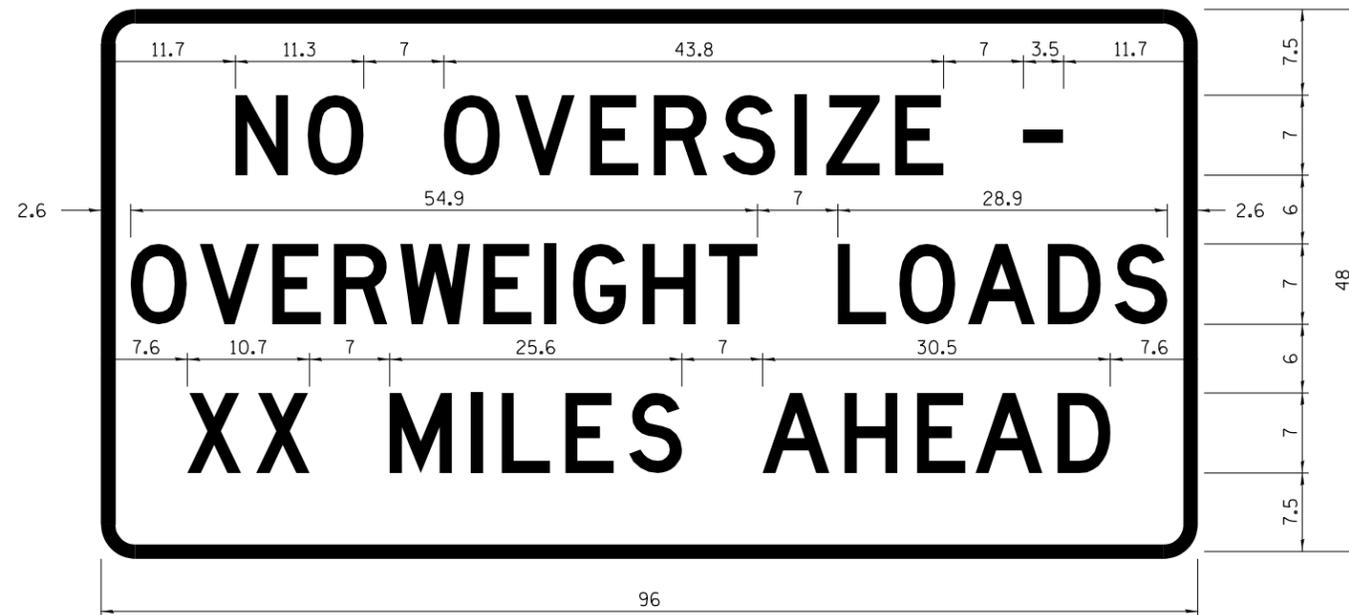
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	8FSY	WHITESIDE	27	18
CONTRACT NO. 64R22				
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

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

Sign not to scale

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

GENERAL NOTES

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

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

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

All dimensions are in inches unless otherwise noted.

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED - 3-02-16
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\64R22\Drawn Development\Studies & Plans\Design\64R22\64R22-shd-details.dgn		DRAWN	REVISED
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Jun-16-2021 12:21:28 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

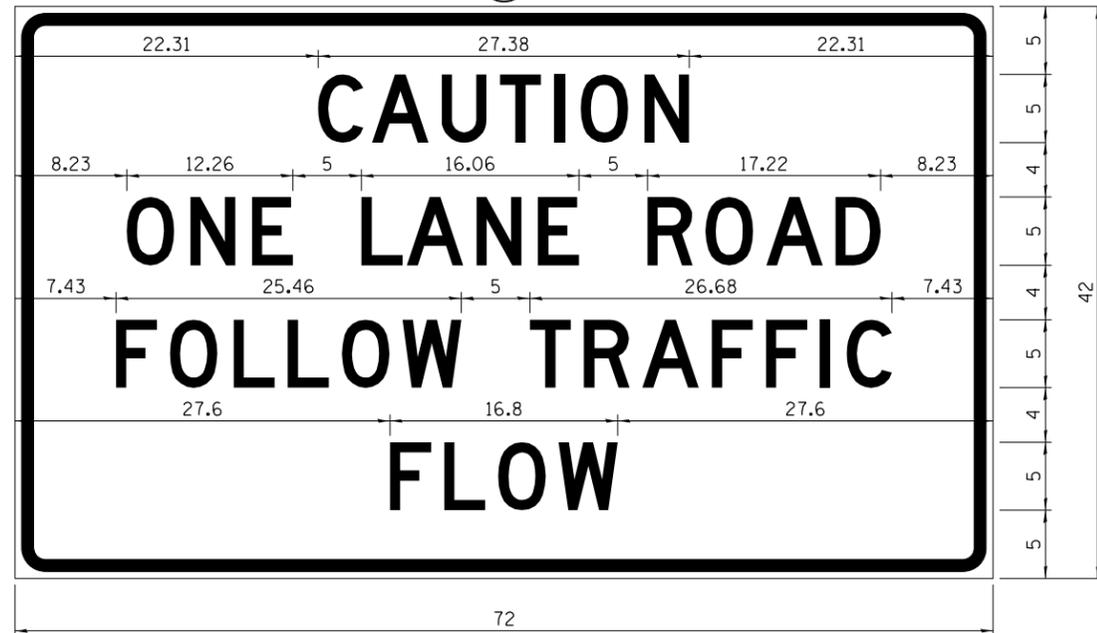
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	8FSY	WHITESIDE	27	19
			64R22	

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

**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	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 BACKGROUND BLACK ORANGE NON-REFLECTORIZED REFLECTORIZED

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

Table of Letter and Object Lefts

S	T	A	Y
20.7	26.8	31.6	38.0

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

L	A	N	E
20.9	25.8	33.1	39.4

Sign not to scale

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED - 3-02-16
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\64R22\DRAWN Development\Studies & Plans\Design\64R22-shd-details.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

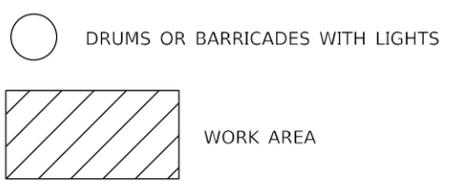
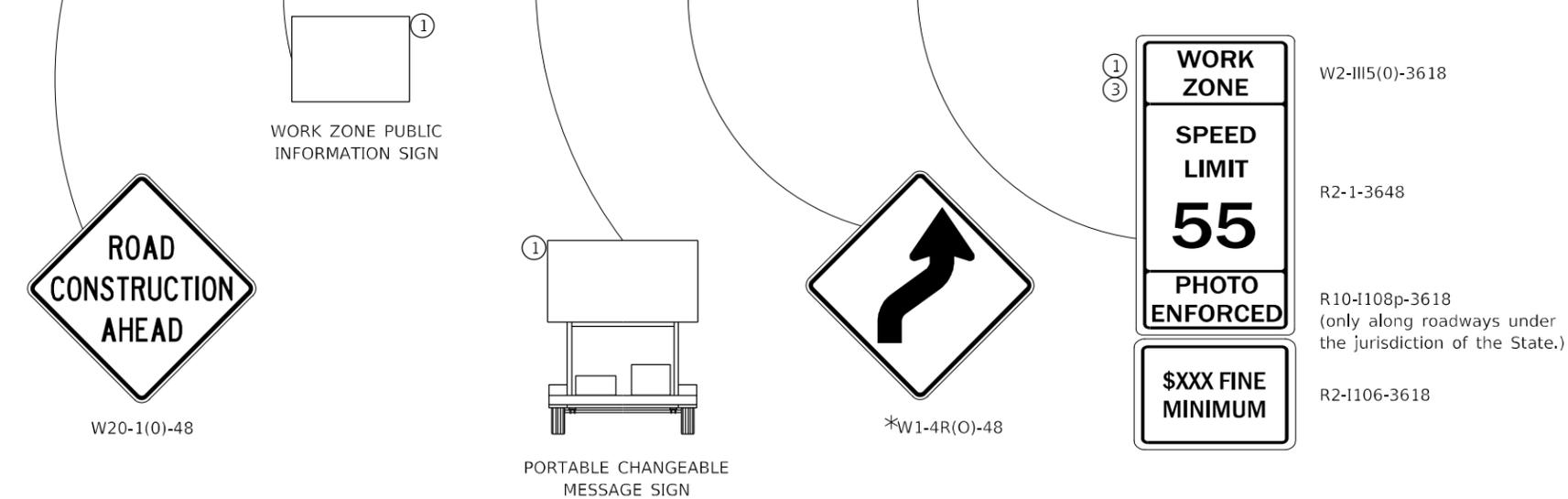
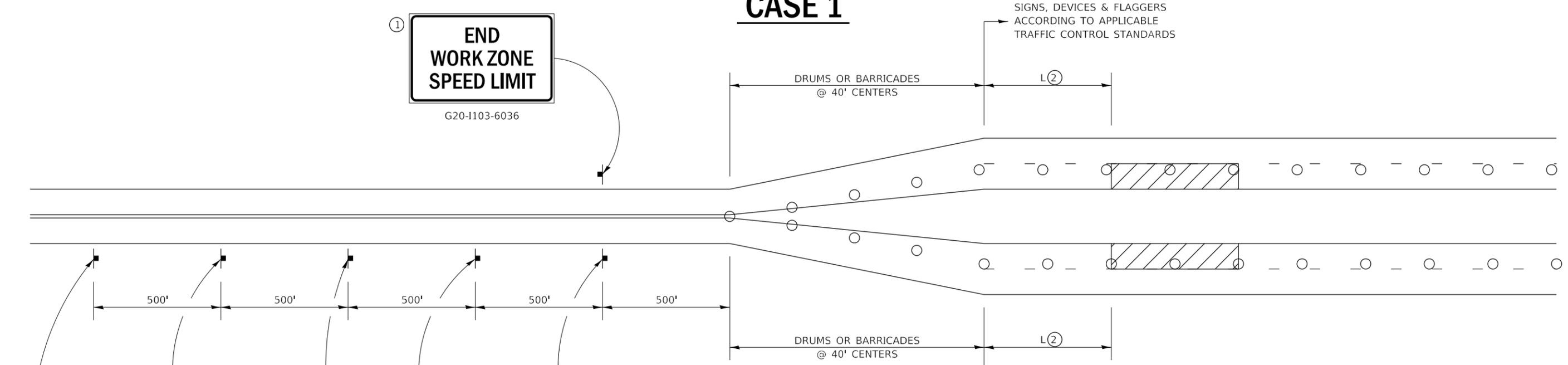
REGION 2 / DISTRICT 2 STANDARD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	85FY	WHITESIDE	27	20
CONTRACT NO. 64R22				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 1



NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

*DEPENDS ON GEOMETRICS OF THE TRANSITION. MAY SWITCH THE "STAY IN YOUR LANE" AND "WEAVE SIGNS"

GENERAL NOTES
THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

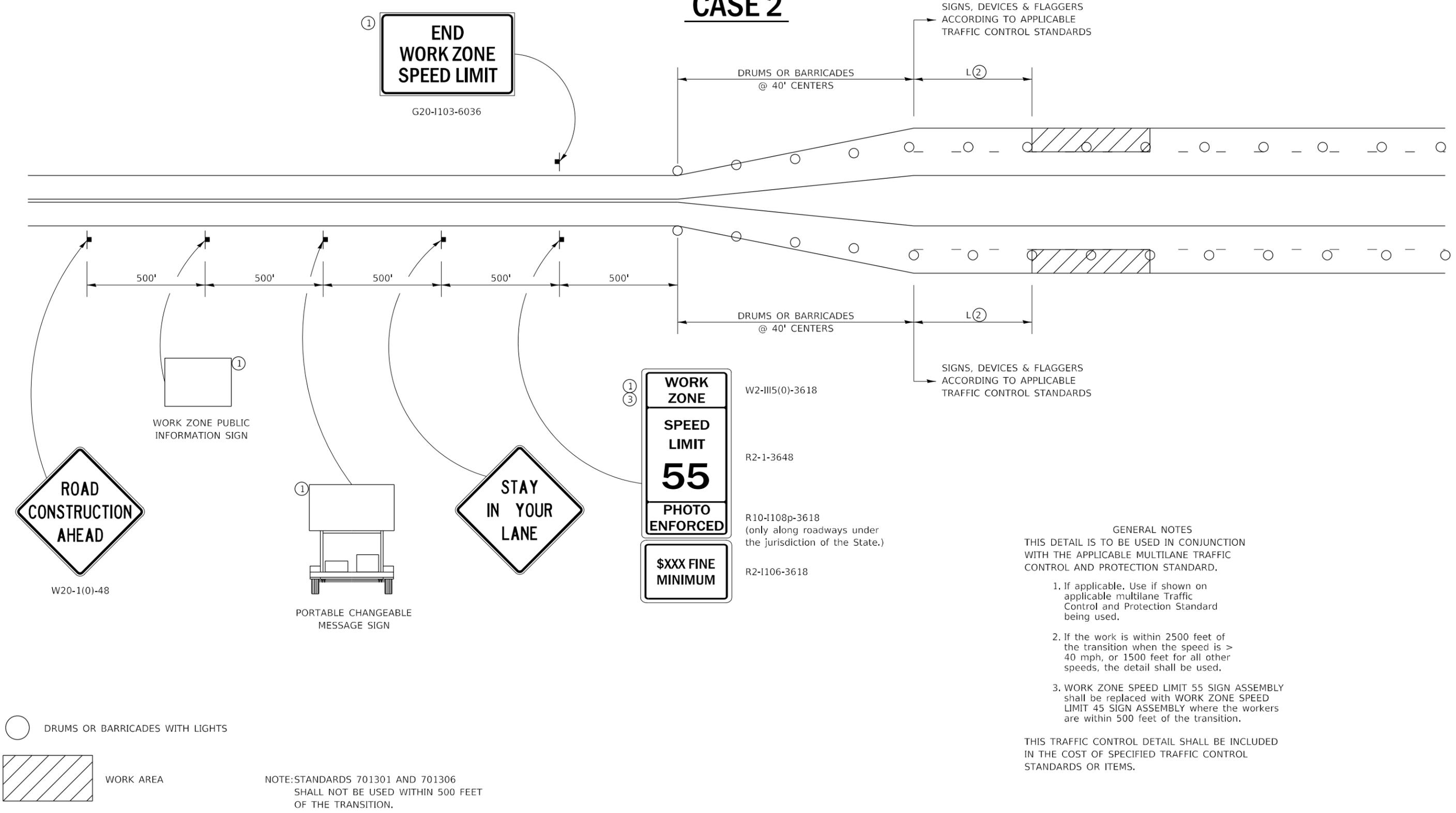
1. If applicable, Use if shown on applicable multilane Traffic Control and Protection Standard being used.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 SIGN ASSEMBLY shall be replaced with WORK ZONE SPEED LIMIT 45 SIGN ASSEMBLY where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

FILE NAME: pwc\planroom\dot\illinois.gov\PWIDOT	USER NAME = cushmanbw	DESIGNED -	REVISED - 4-20-17	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD		F.A.P. RTE. 646	SECTION 8FSY	COUNTY WHITESIDE	TOTAL SHEETS 27	SHEET NO. 21
	PLOT SCALE = 100,000' / in.	CHECKED -	REVISED - 8-27-13		SCALE:	SHEET 1 OF 4 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
PLOT DATE = Jun-16-2021 12:22:00 PM	DATE -	REVISED - 1-16-13			CONTRACT NO.						

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 2



FILE NAME: pwc\planroom\dot\illinois.gov\PWIDOT	USER NAME = cushmanbw	DESIGNED -	REVISED - 4-20-17
Documents\DOT Offices\District 2\Projects\64R22\Program Development\Studies & Plans\Design\CADD\CAD	DRAWN	CHECKED -	REVISED - 8-27-13
	PLOT SCALE = 100,0000' / in.	DATE -	REVISED - 1-16-13
	PLOT DATE = Jun-16-2021 12:22:14 PM		

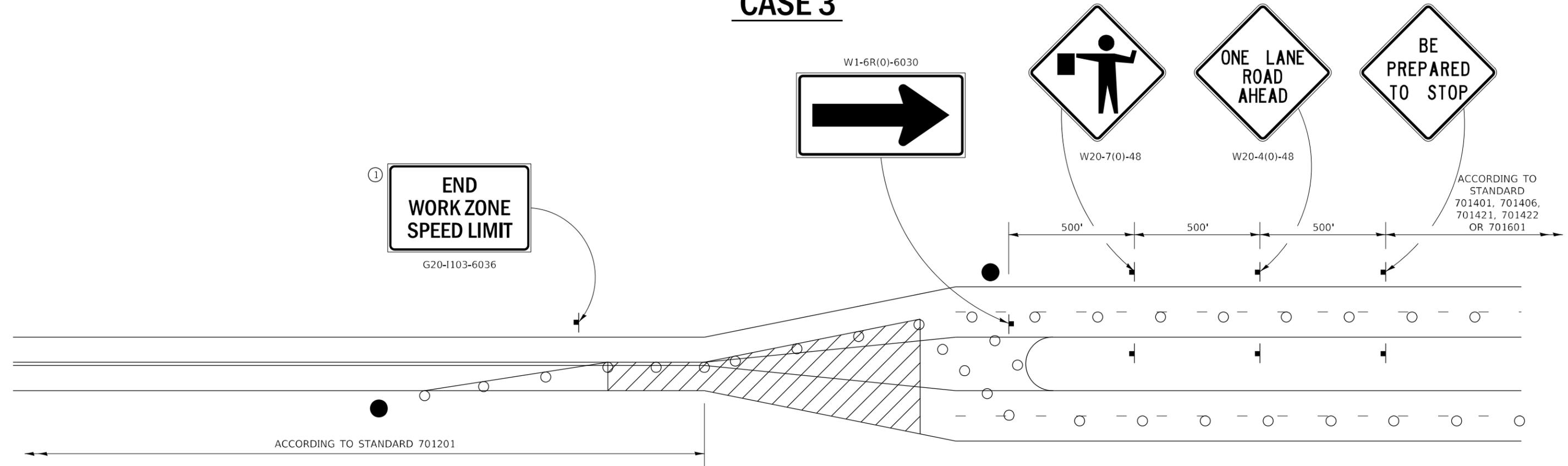
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

REGION 2 / DISTRICT 2 STANDARD			
SCALE:	SHEET 2 OF 4 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	8FSY	WHITESIDE	27	22
CONTRACT NO. 64R22				
ILLINOIS FED. AID PROJECT				

TRAFFIC CONTROL FOR TRANSITION AREAS

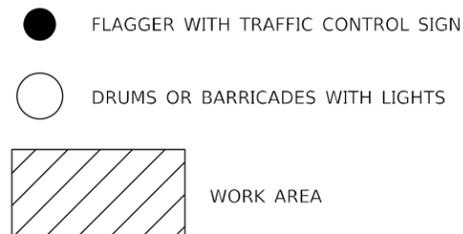
CASE 3



GENERAL NOTES
 THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

1. If applicable. Use if shown on applicable multilane Traffic Control and Protection Standard being used.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 SIGN ASSEMBLY shall be replaced with WORK ZONE SPEED LIMIT 45 SIGN ASSEMBLY where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

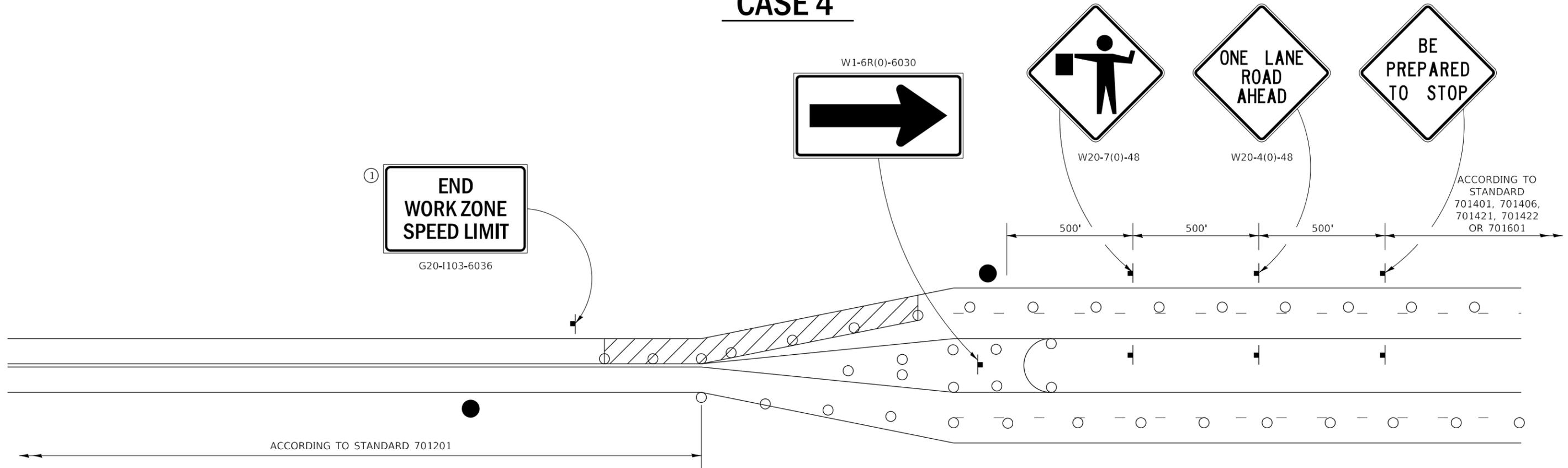


NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

FILE NAME: pwc\planroom\dot.illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\64R22\Program Development\Studies & Plans\Design\CADD\CAD\REVISED-22-shi-det-1105-06	USER NAME = cushmanbw	DESIGNED -	REVISED - 4-20-17	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE. 646	SECTION 8FSY	COUNTY WHITESIDE	TOTAL SHEETS 27	SHEET NO. 23
	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 8-27-13					CONTRACT NO. 64R22				
PLOT DATE = Jun-16-2021 12:22:30 PM	DATE -	REVISED - 3-05-12	SCALE:		SHEET 3 OF 4 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					

TRAFFIC CONTROL FOR TRANSITION AREAS

CASE 4



GENERAL NOTES
 THIS DETAIL IS TO BE USED IN CONJUNCTION WITH THE APPLICABLE MULTILANE TRAFFIC CONTROL AND PROTECTION STANDARD.

1. If applicable. Use if shown on applicable multilane Traffic Control and Protection Standard being used.
2. If the work is within 2500 feet of the transition when the speed is > 40 mph, or 1500 feet for all other speeds, the detail shall be used.
3. WORK ZONE SPEED LIMIT 55 SIGN ASSEMBLY shall be replaced with WORK ZONE SPEED LIMIT 45 SIGN ASSEMBLY where the workers are within 500 feet of the transition.

THIS TRAFFIC CONTROL DETAIL SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

● FLAGGER WITH TRAFFIC CONTROL SIGN

○ DRUMS OR BARRICADES WITH LIGHTS

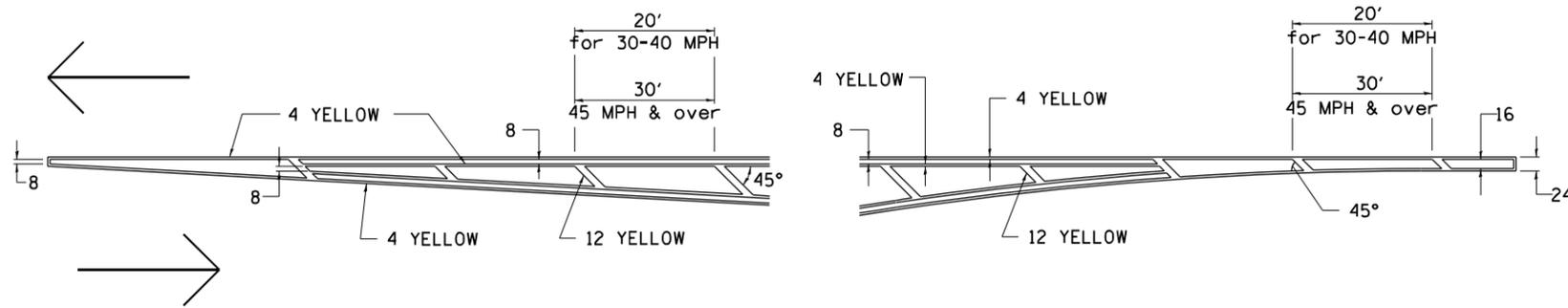
 WORK AREA

NOTE: STANDARDS 701301 AND 701306 SHALL NOT BE USED WITHIN 500 FEET OF THE TRANSITION.

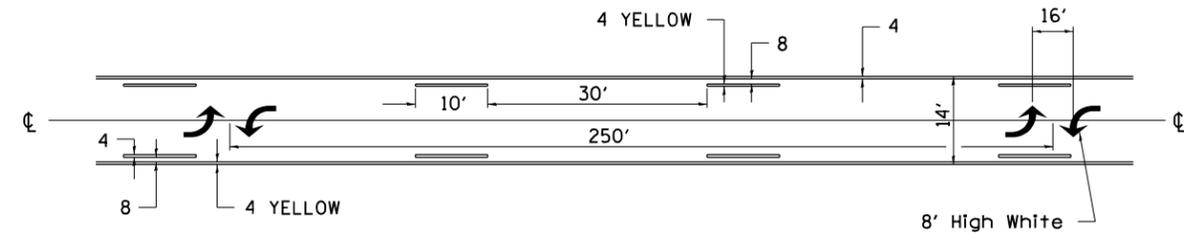
FILE NAME: pwc\planroom\dot\illinois.gov\PWIDOT\Documents\DOT Offices\District 2\Projects\64R22\Program Development\Studies & Plans\Design\CADD\CAD\REVISED-22-shi-det-1105-06	USER NAME = cushmanbw	DESIGNED -	REVISED - 4-20-17	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED - 8-27-13					646	85FY	WHITESIDE	27	24
PLOT DATE = Jun-16-2021 12:22:43 PM	DATE -	REVISED - 3-05-12		SCALE:	SHEET 4 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 64R22				

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

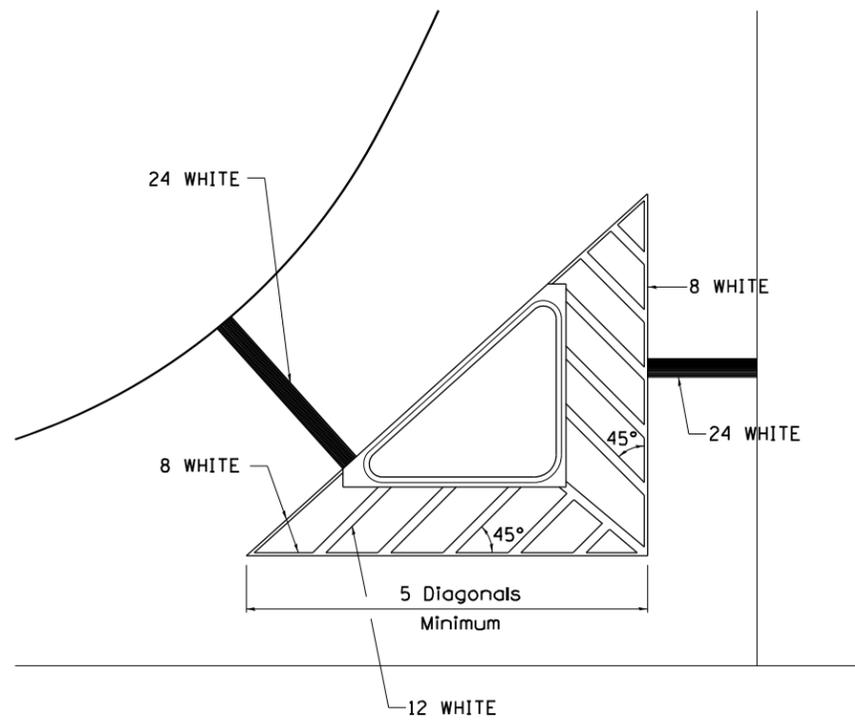


MEDIAN PAVEMENT MARKING



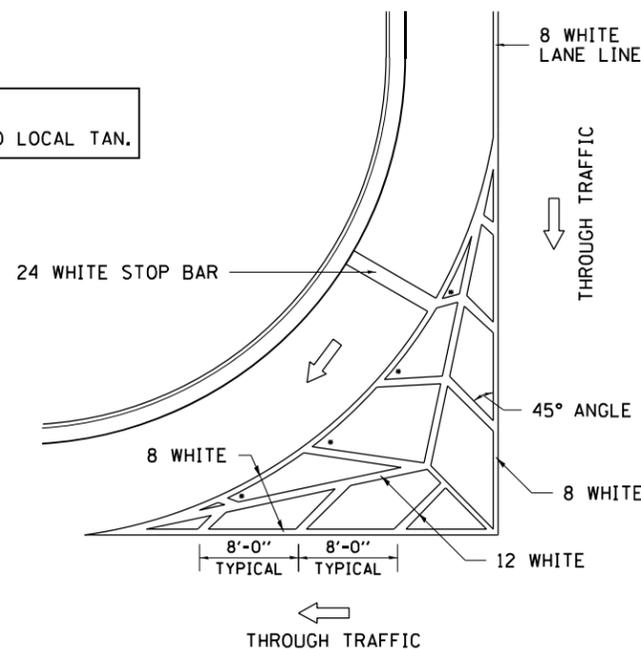
•• ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH



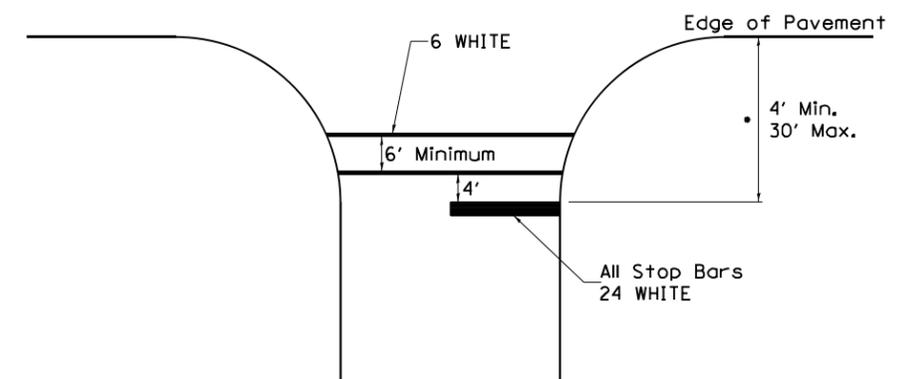
TYPICAL MARKING FOR PAINTED ISLANDS

NOTE:
* 45° TO LOCAL TAN.



STANDARD CROSSWALK MARKING

See Schedules for Locations



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

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED - 6-27-14
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 2\Projects\64R22\Drawings\Development\Studies & Plans\Design\Revised\Drawings\305412-sh1-details.dgn		DRAWN	REVISED
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIONS	
PLOT DATE = Jun-16-2021 12:22:56 PM	DATE -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

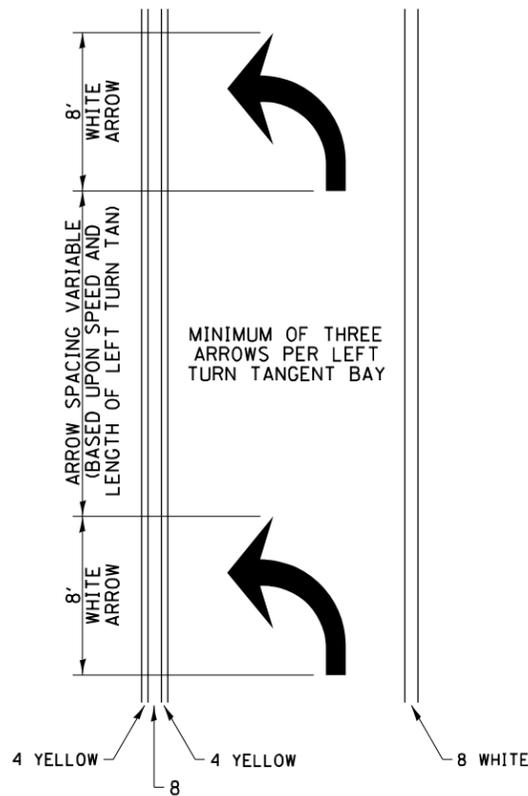
REGION 2 / DISTRICT 2 STANDARD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	85FY	WHITESIDE	27	25
CONTRACT NO. 64R22				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

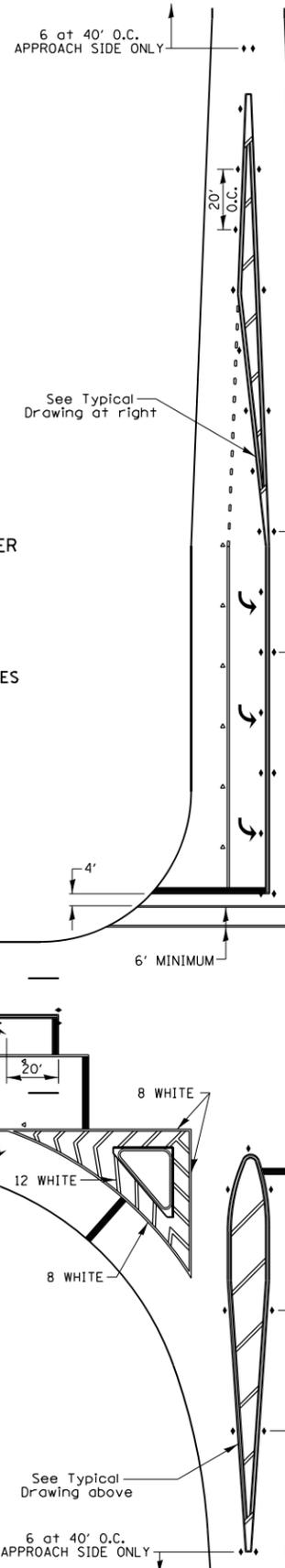
TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

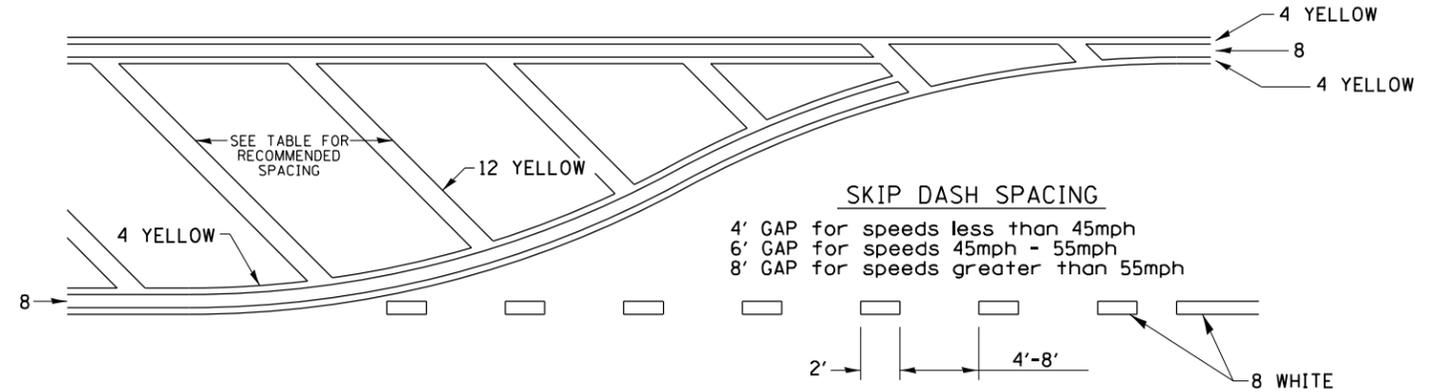


- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



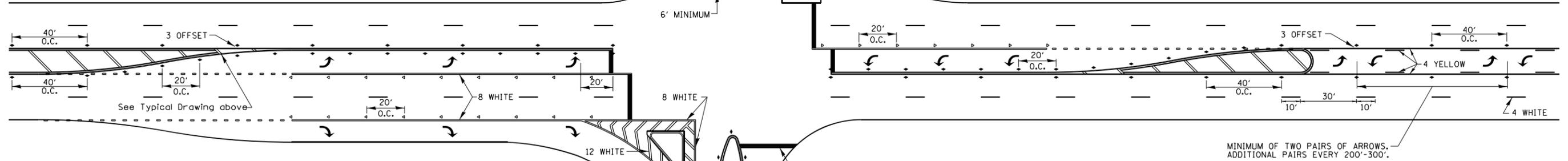
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

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

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



FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED - 6-27-14
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\64R22\Drawn Development\Studies & Plans\Design\ASDsheets\305412-shd-details.dgn		DRAWN	REVISED
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIONS	
PLOT DATE = Jun-16-2021 12:23:11 PM	DATE -		

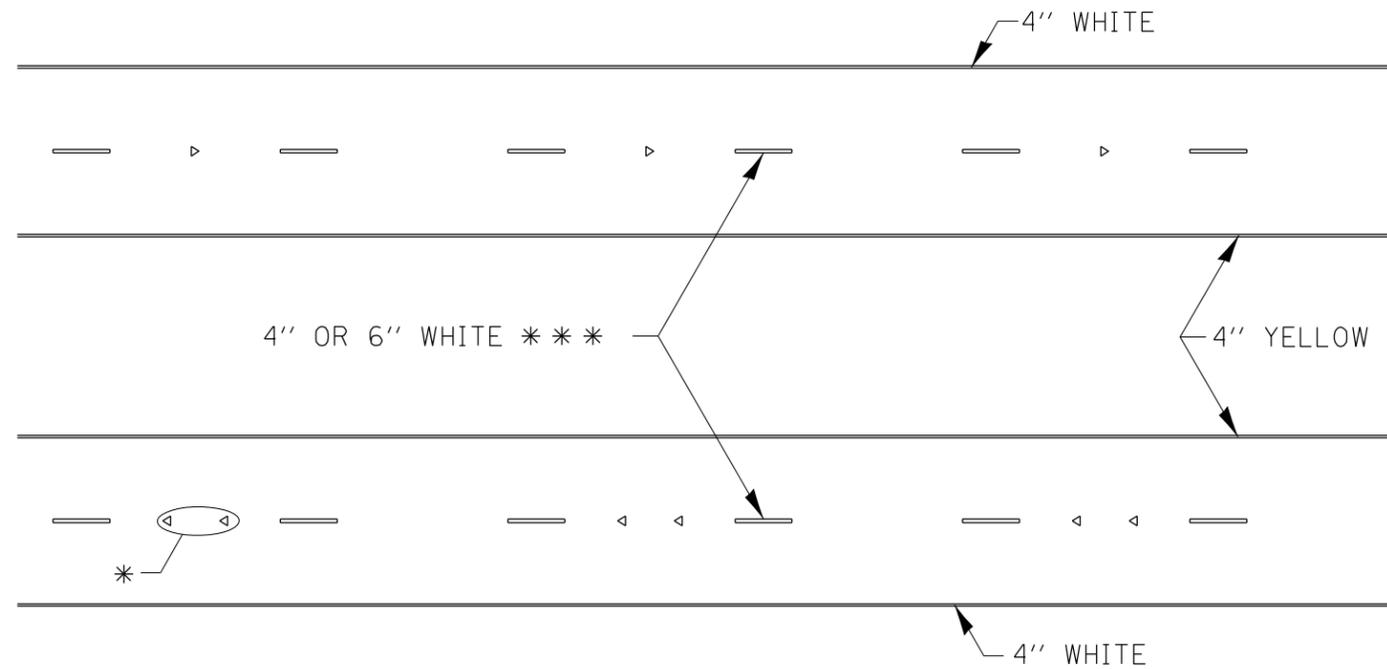
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

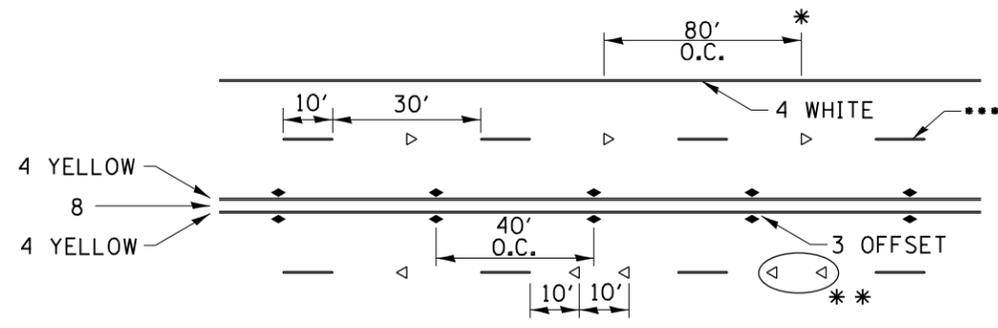
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	85FY	WHITESIDE	27	26
CONTRACT NO. 64R22				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS



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

MULTI-LANE / DIVIDED



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

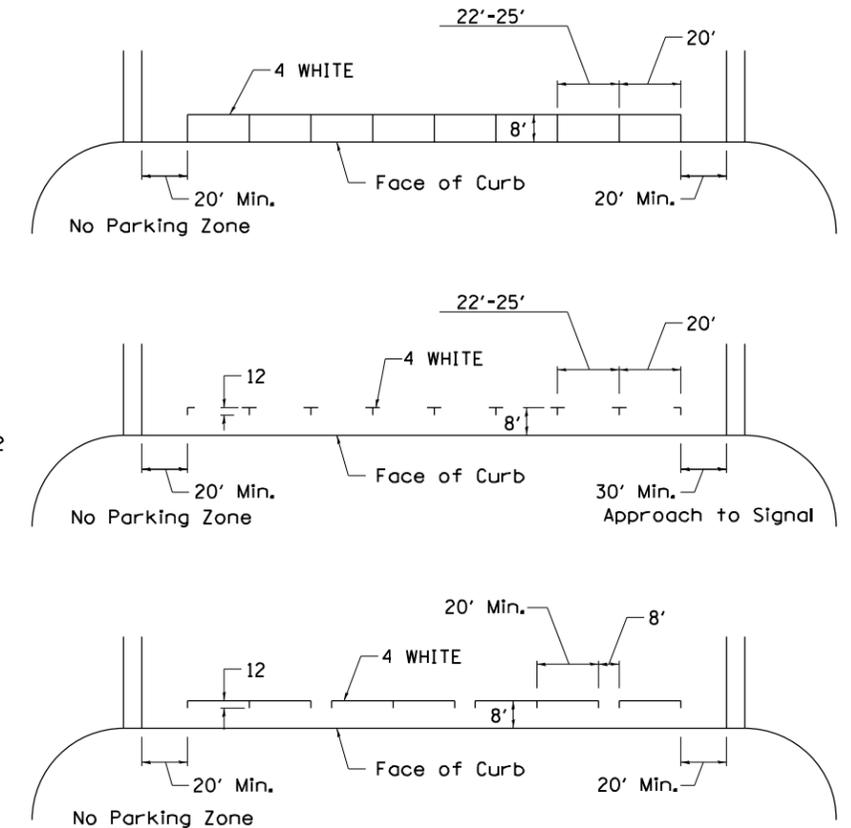
** USE DOUBLE MARKERS WHEN ADT ≥ 20,000

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

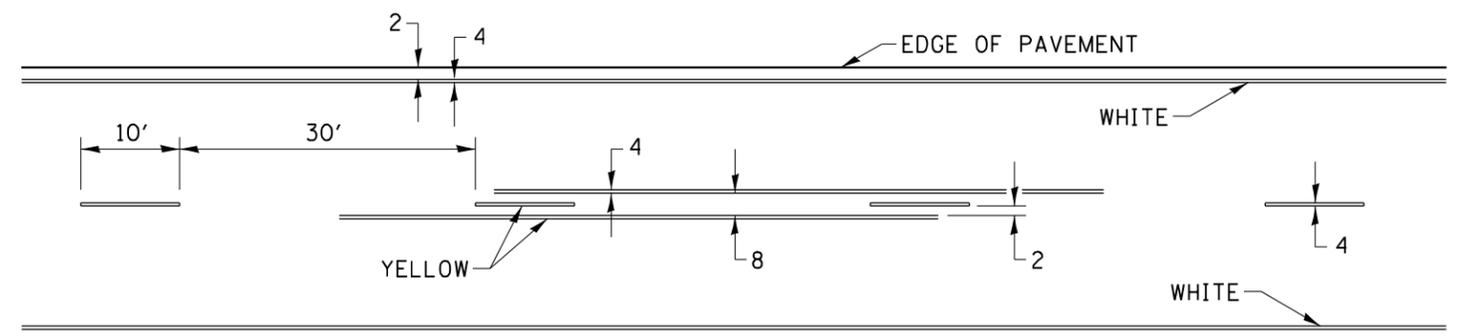
MULTI-LANE / UNDIVIDED & ONE WAY

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

TYPICAL PARKING SPACING



TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION – NO PASSING ZONES



SYMBOLS

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED - 6-27-14
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 2\Projects\64R22\Drawn Development\Studies & Plans\Design\ASDsheets\8274R2-sh1-details.dgn		DRAWN	REVISED - 11-28-12
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Jun-16-2021 12:23:25 PM	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
646	85FY	WHITESIDE	27	27
CONTRACT NO. 64R22				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				