# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

#### FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR SUMMARY OF QUANITTIES, SEE SHEET NO. 3

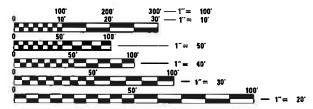
# TRAFFIC DATA 2020 ADT = 10,700 P.V. % = 93.9% S.U. % = 2.8% M.U. % = 3.3% TRUCK RTE. = CLASS II N.H.S. RTE. = YES

0

0

**DESIGN DESIGNATION**OTHER PRINCIPAL ARTERIAL

#### TOWNSHIP URBANA



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: JASON STULTS, P.E. PROJECT MANAGER: JOSEPH GRAZIANO, P.E.

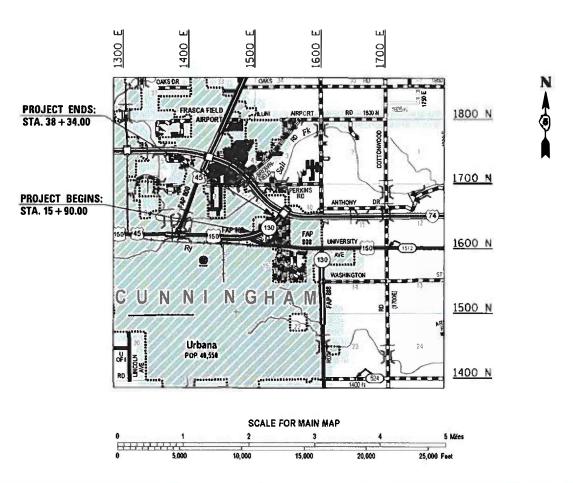
DESIGNER: XINYU SUN, P.E. PHONE NUMBER: (217)465-4181 CONTRACT NO. 70F12

# PROPOSED HIGHWAY PLANS

FAP ROUTE 808 (IL 130)
SECTION CM21-5015
LONGITUDINAL JOINT REPAIR
CHAMPAIGN COUNTY

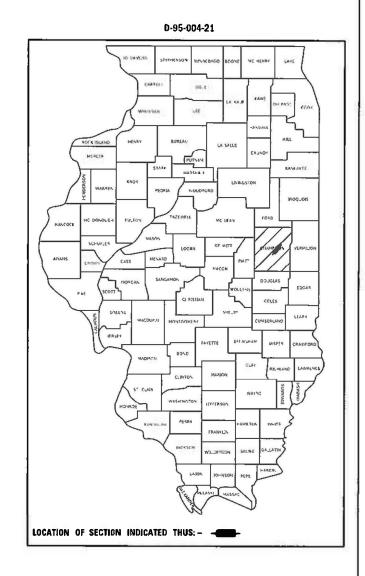
C-95-020-21

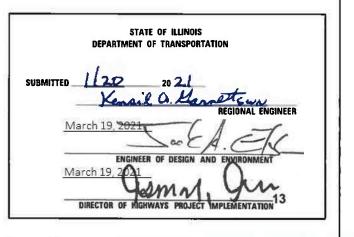
**GUARDIAN DR. TO 1-74 RAMPS IN URBANA** 



GROSS LENGTH = 2244 FT. = 0.425 MILE

NET LENGTH = 2244 FT. = 0.425 MILE





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#### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS
2	HIGHWAY STANDARDS
2	GENERAL NOTES
3	SUMMARY OF QUANTITIES
4 - 6	TYPICAL CROSS SECTION
7	SCHEDULE OF QUANTITIES
8 - 11	PLAN SHEETS
12-14	WIDTH RESTRICTION SIGNING
15	I-74 OFF-RAMPS SIGNING DETAI

#### LIST OF HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-08	STANDARDS SYMBOLS, ABBREVIATIONS, & PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701101-05	OFF ROAD OPERATIONS, MULTILANE 15' TO 24" FROM PAVEMENT EDGE
701106-02	OFF ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS $\geq$ 45 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERABLE MEDIAN
701701 - 10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
701901-08	TRAFFIC CONTROL DEVICES

#### **GENERAL NOTES**

G.N.-100A

ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-406H

Mixture Requirements

THE FOLLOWING MIXTURE REGUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location	IL 130
Mixture Use	Surface
AC/PG	PG 64-22
Design Air Voids	4.0% @ Ndes=70
Mix Comp(Gradation)	IL 9.5
Friction Aggregate	Mix D
Mixture Weight	112
Quality Management Program	QC/QA
Sublot Size	N . A .

G.N.- 703A

SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (TACK COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-780 (SPL)

PAVEMENT MARKING FOR THIS PROJECT IS TO BE PERFORMED BY OTHERS, FIELD PERSONNEL SHALL NOTIFY GARY SIMS, DISTRICT 5 TRAFFIC OPERATIONS ENGINEER AT (217) 465-4181 WHEN THE PROJECT IS COMPLETE AND READY FOR PAVEMENT MARKINGS.

G.N.-781

THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS.

#### COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT

 USER NAME
 = sunx
 DESIGNED
 REVISED

 DRAWN
 REVISED

 PLOT SCALE
 = 40,0000 '/ in.
 CHECKED
 REVISED

 PLOT DATE
 = 1/20/2021
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS

COMMITMENTS, GENERAL NOTES

SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. SECTION COUNTY TOTAL SHEETS NO.

808 CM21-5015 CHAMPAIGN 15 2

CONTRACT NO. 70-F12

### SUMMARY OF QUANTITIES

LOCATION OF WORK:

FAP 808

URBAN

OTHER PRINCIPAL ARTERIAL

STA. 15+90 TO STA. 38+34

CHAMPAIGN COUNTY

FUNDING BREAKOUT: 100% STATE

CONSTRUCTION TYPE CODE: 0005

	CODE NO.	ITEM	UNIT	QUANTITY
	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	670.0
	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	125.0
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"	SQ YD	1488.0
	67100100	MOBILIZATION	L SUM	1.0
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	408.0
	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	136.0
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	116.0
	70700700	ANGEL SELVE ANGENER MARKET AFRICA	50511	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	31.0
	X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1.0
	X7010210	THAT TE CONTINUE AND THOTECTION (STEETAE)	2 3011	
	X7200201	WIDTH RESTRICTION SIGNING	L SUM	1.0
				_
				_
* DE	NOTES SPECIA	ALTY ITEM		

MODEL: \$MODELNAMES
FILE NAME: pw/Volaproom dof illipois pov/P

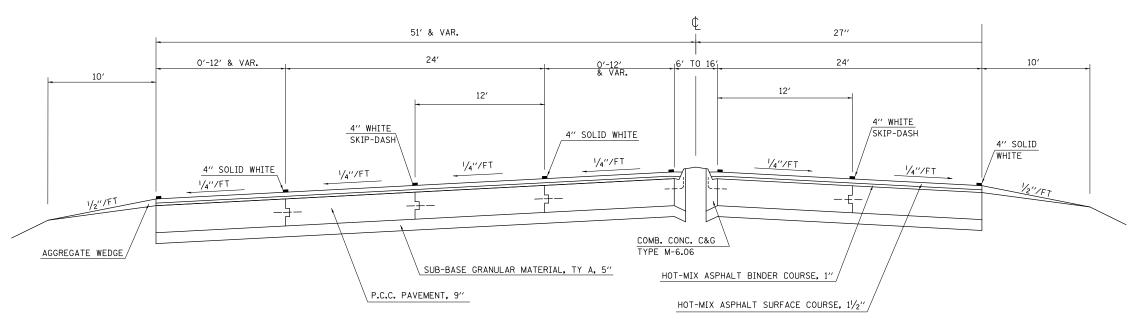
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE:

# **EXISTING TYPICAL CROSS—SECTION** 1

EB CENTERLINE: STA 15+90.00 TO STA 25+65.74 (2) WB CENTERLINE: STA 17+25.00 TO STA 25+65.74 (2)

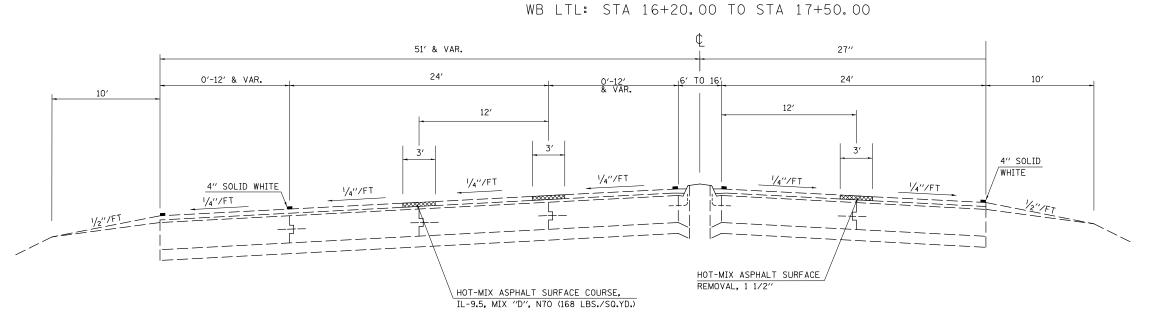
WB LTL: STA 16+20.00 TO STA 17+50.00



# PROPOSED TYPICAL CROSS—SECTION 1

EB CENTERLINE: STA 15+90.00 TO STA 25+65.74 2

WB CENTERLINE: STA 17+25.00 TO STA 25+65.74 2



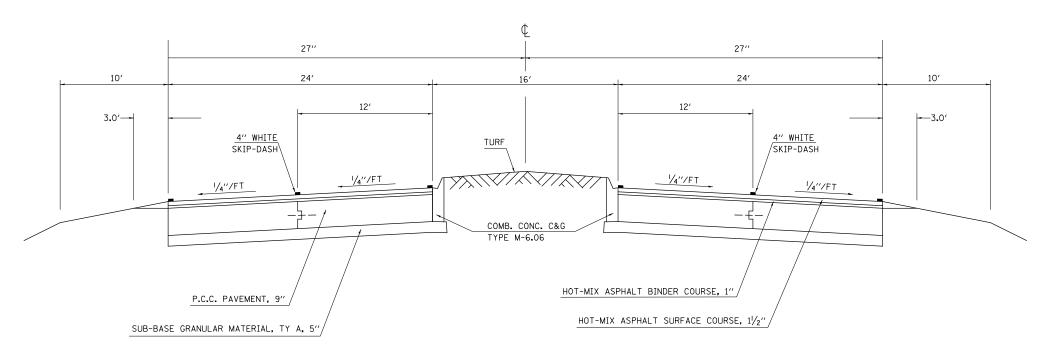
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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 1/20/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

	=>//.						F.A.P. RTE	SEC	TION		COUNTY	TOTAL SHEETS	SHEET NO.
EXISTING TYPICAL CROSS SECTIONS						808	CM21	-5015		CHAMPAIGN	15	4	
									CONTRACT	NO. 70	OF 12		
	SHEET 1	OF	3	SHEETS	STA.	TO STA.		ILLINOIS FED. AID PROJECT					

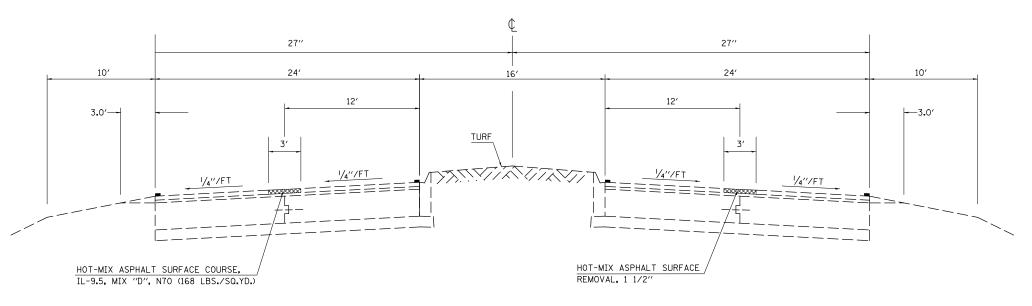
## **EXISTING TYPICAL CROSS—SECTION 2**

- 1 EB CENTERLINE: STA 25+65.74 TO STA 35+72.92 3
- (1) WB CENTERLINE: STA 25+65.74 TO STA 35+72.92 (3)



# PROPOSED TYPICAL CROSS—SECTION (2)

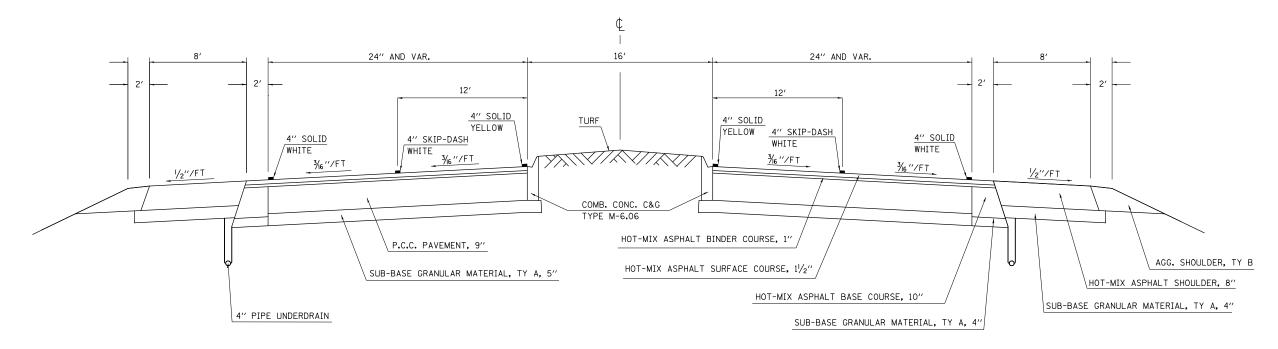
- (1) EB CENTERLINE: STA 25+65.74 TO STA 35+72.92 (3)
- (1) WB CENTERLINE: STA 25+65.74 TO STA 35+72.92 (3)



USER NAME = sunx	DESIGNED -	REVISED -				F.A.P.	SECTION	COUNTY TOTAL SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		EXISTING TYPICAL CROSS SECTIONS	808	CM21-5015	CHAMPAIGN 15 5
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT NO. 70F12
PLOT DATE = 1/20/2021	DATE -	REVISED -		SCALE:	SHEET 2 OF 3 SHEETS STA. TO STA.		ILLINOIS FED. A	AID PROJECT

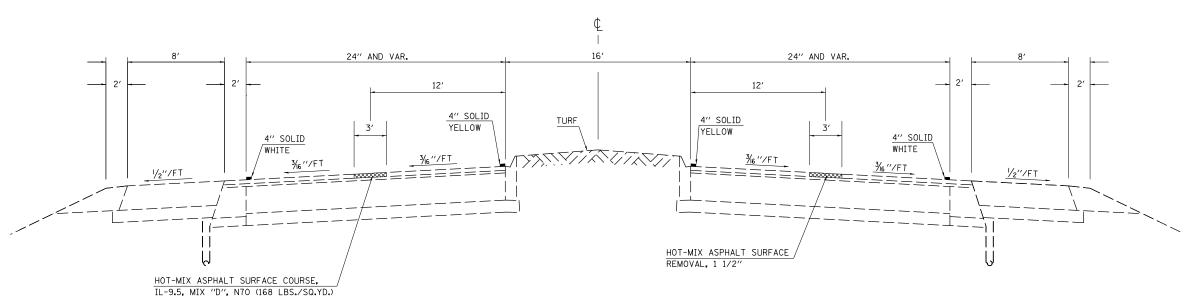
# **EXISTING TYPICAL CROSS—SECTION** 3

- (2) EB CENTERLINE: STA 35+72.92 TO STA 38+34.00
- (2) WB CENTERLINE: STA 35+65.74 TO STA 38+14.00



# PROPOSED TYPICAL CROSS—SECTION 3

- (2) EB CENTERLINE: STA 35+72.92 TO STA 38+34.00
- ② WB CENTERLINE: STA 35+65.74 TO STA 38+14.00



USER NAME = sunx	DESIGNED -	REVISED -				F.A.P.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS		EXISTING TYPICAL CROSS SECTIONS	808	CM21-5015	CHAMPAIGN	15	6
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION					CONTRACT	T NO. 7	OF 12
PLOT DATE = 1/20/2021	DATE -	REVISED -		SCALE:	SHEET 3 OF 3 SHEETS STA. TO STA.		ILLINOIS FED.	AID PROJECT		

# **SCHEDULE OF QUANTITIES**

								BITUMINOUS	H.M.A. SURFACE	HOT-MIX ASPHALT	SHORT TERM	SHORT TERM	RAISED REFLECTIVE	RAISED REFLECTIVE
						MATERIALS	CRSE. 1L-9.5,	SURFACE REMOVAL	PAVEMENT	PAVEMENT	PAVEMENT MARKER	PAVEMENT MARKER		
								(TACK COAT)	MIX "D", N70	1 1/2"	MARK I NG	MARKING REMOVAL		REMOVAL
LOCATIONS	CTATION	то	STATION	LENGTH	WIDTH	AREA	DEPTH	(POUND)	(TON)	(SQ YD)	(FOOT)	(SQ FT)	(EACH)	(EACH)
LOCATIONS	STATION	10	STATION	(FOOT)	(FOOT)	(SQ FT)	(INCH)	40600290	40604062	44000155	70300100	70300150	78100100	78300200
EB CENTERLINE	15+90	ТО	38+34	2244.0	3.0	6732.0	1.5	336.6	62.8	748.0	204.0	68.0	58.0	16.0
WB LTL	16+20	ТО	17+50	130.0	3.0	390.0	1.5	19.5	3.6	43.3	12.0	4.0	4.0	
WB CENTERLINE	17+25	то	38+14	2089.0	3.0	6267.0	1.5	313.4	58.5	696.3	192.0	64.0	54.0	15.0
							TOTAL:	669.5	125.0	1487.7	408.0	136.0	116.0	31.0
							USE:	670.0	125.0	1488.0	408.0	136.0	116.0	31.0

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

,					F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
;	SCHEDULE	OF QUA	ANTITIES		808	CM21-5015	CHAMPAIGN	15	7
							CONTRACT	F NO. 70	)F12
SHEET 1	OF 1	SHEETS	STA	TO STA.		TI LIMOIS FEE	AID PROJECT		



50 0 50 100 150 200 250 FEET	
FEET	PEET



USER NAME = sunx	DESIGNED -	REVISED -								F.A.P.	SECTION	COUNTY	TOTAL	SHEET
	DRAWN -	REVISED -	STATE OF ILLINOIS				SHEET			808	CM21-5015	CHAMPAIGI	N 15	8
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION									CONTRAC	T NO. 70	ეF12
PLOT DATE = 1/20/2021	DATE -	REVISED -		SCALE:	SHEET 1	OF 4 S	HEETS S	STA.	TO STA.		ILLINOIS	FED. AID PROJECT		

MODEL: \$MODELNAMES

 USER NAME
 = sunx
 DESIGNED
 REVISED

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 PLOT SCALE
 = 40,0000 °/ in
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 PLOT DATE
 = 1/20/2021
 DATE
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGNED

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DATE

LOT SCALE = 40.0000 / in.

PLOT DATE = 1/20/2021

REVISED

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REVISED

SCALE:

SECTION

COUNTY TOTAL SHEET NO.
CHAMPAIGN 15 10
CONTRACT NO. 70F12

**PLAN SHEET** CM21-5015 SHEET 3 OF 4 SHEETS STA. TO STA.



### WIDTH RESTRICTION SIGNING DETAIL



MODEL: \$MODELNAME\$
FILE NAME: over/Volantscom dot illinois oner-PMIT

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LOT SCALE = 40.0000 / in.

REVISED

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

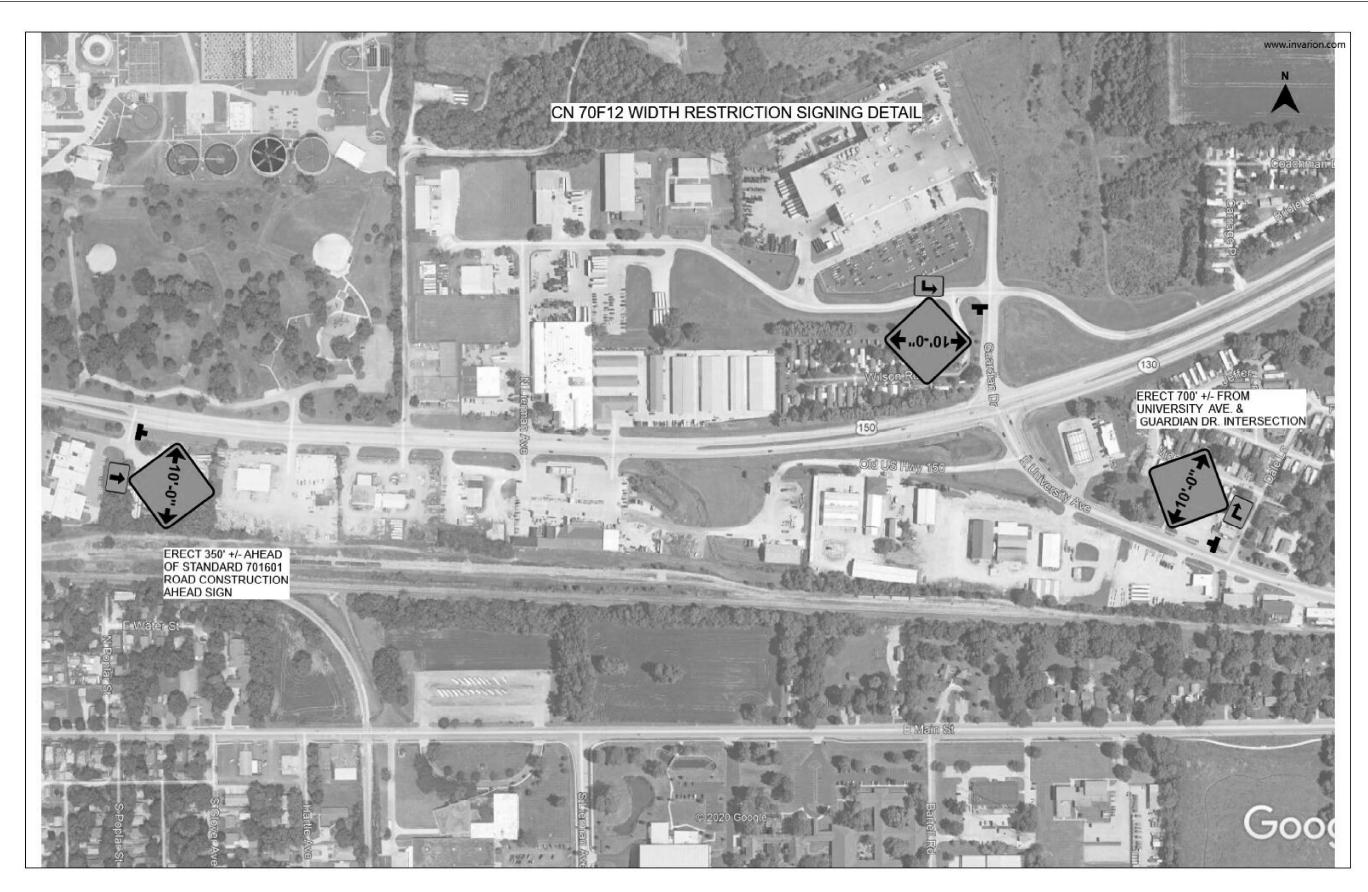
WIDTH RESTRICTION SIGNING DETAIL

SHEET 1 OF 2 SHEETS STA. TO S

A.P. SECTION COUNTY TOTAL SHEETS NO. 308 CM21-5015 CHAMPAIGN 15 12

CONTRACT NO. 70F12

### WIDTH RESTRICTION SIGNING DETAIL



MODEL: \$MODELNAMES

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

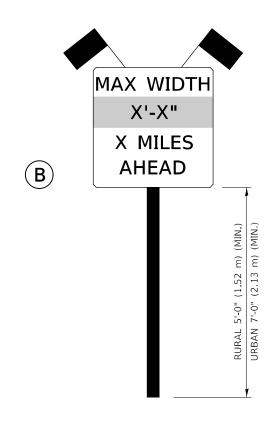
WIDTH RESTRICTION SIGNING DETAIL

SHEET 2 OF 2 SHEETS STA. TO STA.

W12-2(0)-48"x48"(1200x1200)

SIGN (A) 2 SIGNS - W12-2(O)-48"x48"(1200x1200) ARE TO BE PLACED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.

SIGN (B) 2 SIGNS - (SIGN PANEL, TYPE II) AS SHOWN ARE NOT REQUIRED.



SIGN PANEL, TYPE II

# B MAX WIDTH (ORANGE) X MILES AHEAD BLACK LETTERS WHITE BACKGROUND

W12-I103(O)-48"x48"(1200x1200)
"D" LETTERS/NUMBERS

#### **GENERAL NOTES**

- 1. ALL TRAFFIC CONTROL DEVICES SHALL BE FURNISHED, ERECTED AND MAINTAINED BY THE CONTRACTOR.
- 2. ALL (B) SIGNS SHALL HAVE FLAGS INSTALLED UNLESS OTHERWISE DIRECTED.
- 3. LOCATIONS OF TRAFFIC CONTROL DEVICES MAY BE ADJUSTED BY THE ENGINEER.
- 4. ALL TRAFFIC CONTROL SHOWN ON THIS SHEET SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR WIDTH RESTRICTION SIGNING.
- 5. ALL SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE DIRECTED.
- 6. ALL SIGNS SHOWN ORANGE (O) SHALL BE FLUORESCENT ORANGE.
- 7. ALL SIGNS SHOWN SHALL CONSIST OF THE CURRENT RETROREFLECTIVE SHEETING REQUIREMENTS AS OUTLINED IN SECTION 1106.01 OF THE STANDARD SPECIFICATIONS BOOK.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DICTRICT	_	DETAIL	NIA	VZZZZZZZ
DISTRICT	3	DETAIL	MU.	. <i>X/ZUUZU</i>

USER NAME = sunx	DESIGNED -	REVISED - 05/08
	DRAWN -	REVISED - 10/08 KJT
PLOT SCALE = 40.0000 / in.	CHECKED -	REVISED - 07/09 KJT
PLOT DATE = 1/20/2021	DATE -	REVISED - 03/11 KJT

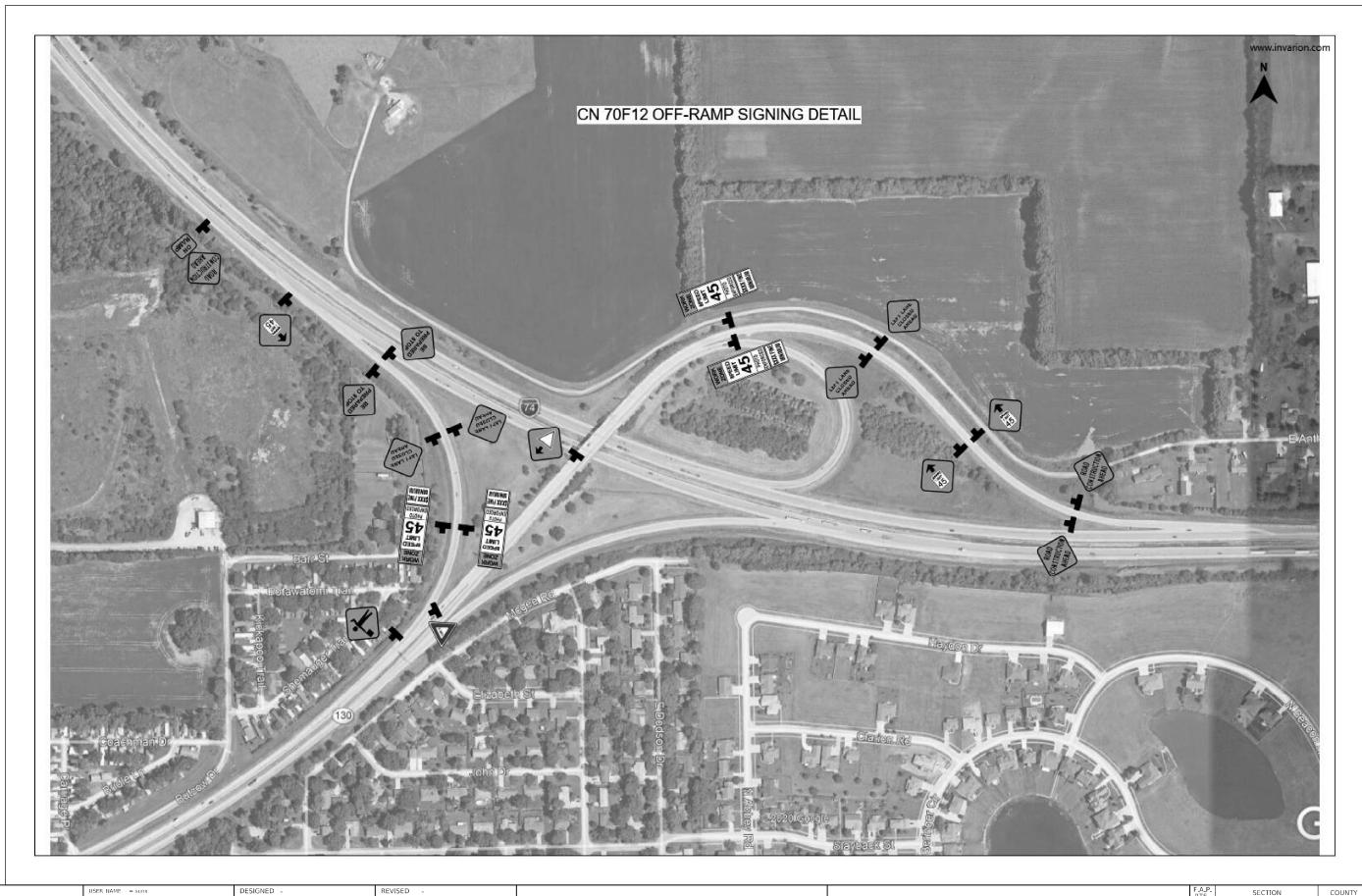
A P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEE NO	
808	CM21-5015	CHAMPAIGN	15	14	
		CONTRACT	NO. 70	)F12	
	ILLINOIS	FED. A	ID PROJECT		

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## I-74 OFF-RAMP SIGNING DETAIL



MODEL: \$MODELNAMES
FILE NAME: overVolanzoom det illinois ooksPMIDOTADS

DRAWN

CHECKED

LOT SCALE = 40.0000 / in.

REVISED

REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-74 OFF-RAMPS SIGNING DETAIL

SHEET 1 OF 1 SHEETS STA. TO STA.