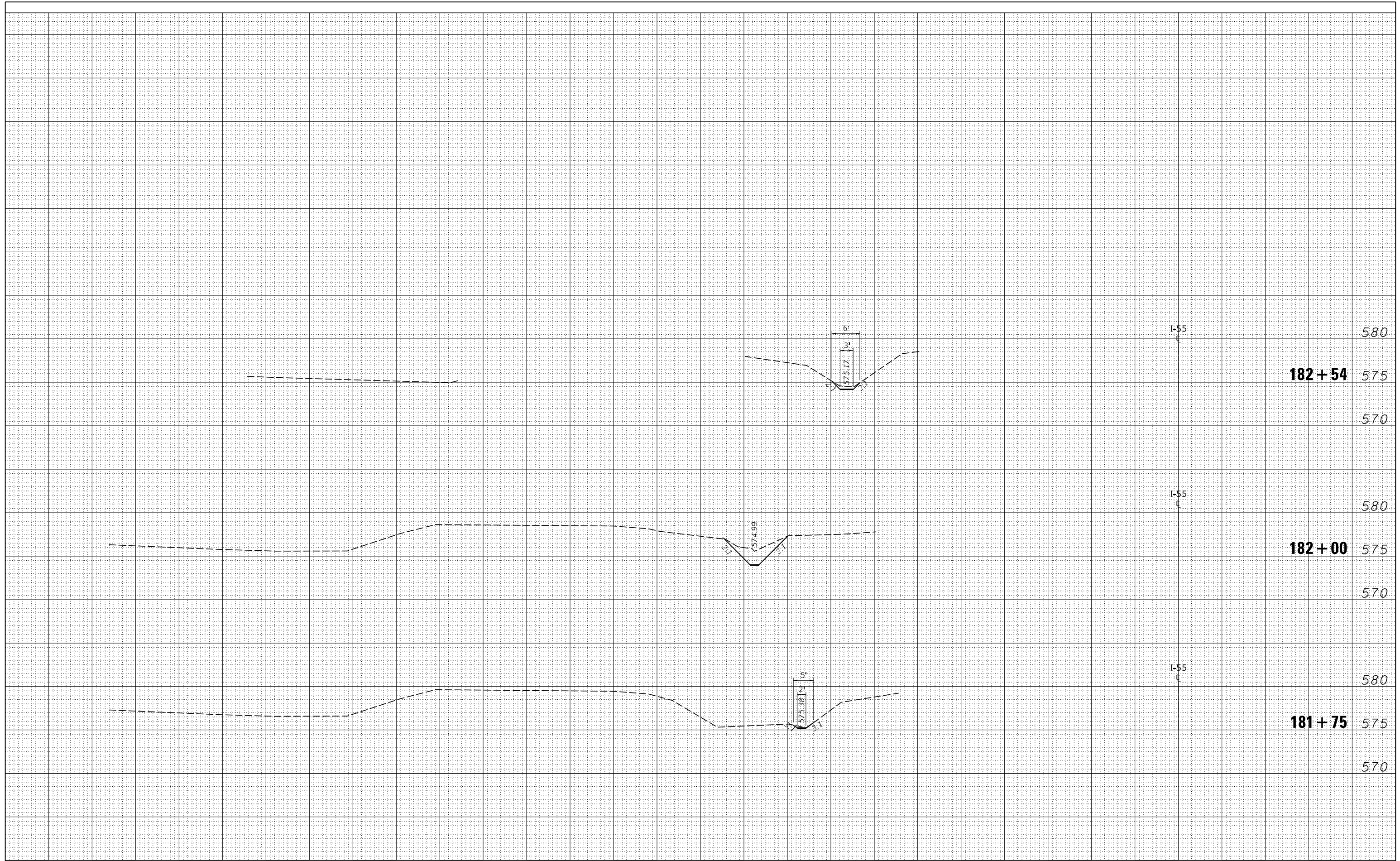


BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

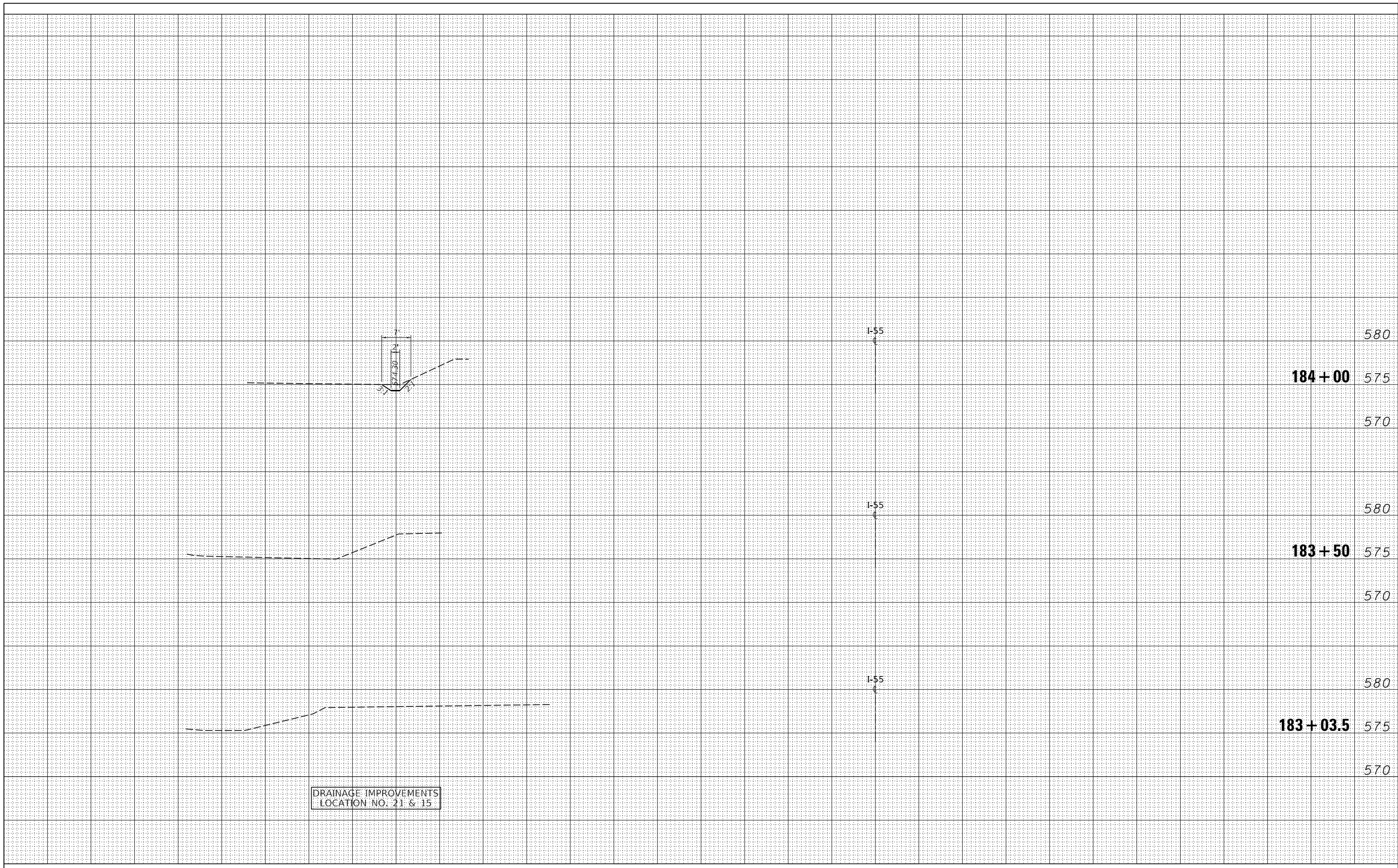
BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = cformosa	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS: DRAINAGE LOCATION 19, 20, 22</b> <b>I-55 (SOUTH OF I-80 TO WEBER ROAD)</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\00673.000\673.001\Drawings\CAD\Civil\00\SB	Contract 62K30\DI34420-sht-xssht_I-55A.dgn	DRAWN -	REVISED -						I-55	2019-154-R5	WILL	164	101
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 62K30								
	PLOT DATE = 7/1/2021	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	

BY _____	DATE _____
FINAL SURVEY NO. _____	SURVEYED _____
NOTE BOOK NO. _____	PLOTTED _____
AREAS CHECKED _____	TEMPLATE _____
AREAS CHECKED _____	AREAS CHECKED _____

BY _____	DATE _____
ORIGINAL SURVEY NO. _____	SURVEYED _____
NOTE BOOK NO. _____	PLOTTED _____
AREAS CHECKED _____	TEMPLATE _____
AREAS CHECKED _____	AREAS CHECKED _____



**DRAINAGE IMPROVEMENTS  
LOCATION NO. 21 & 15**

FILE NAME = P:\00673.000\673.001\Drawings\CAD\Civil\00\SB  
Default

USER NAME = cformosa  
Contract 62K30\DI34420-sht-xsht-I-55A.dgn  
PLOT SCALE = 20.0000' / in.  
PLOT DATE = 7/1/2021

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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS: DRAINAGE LOCATION 21 & 15  
I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: SHEET OF SHEETS STA. TO STA.

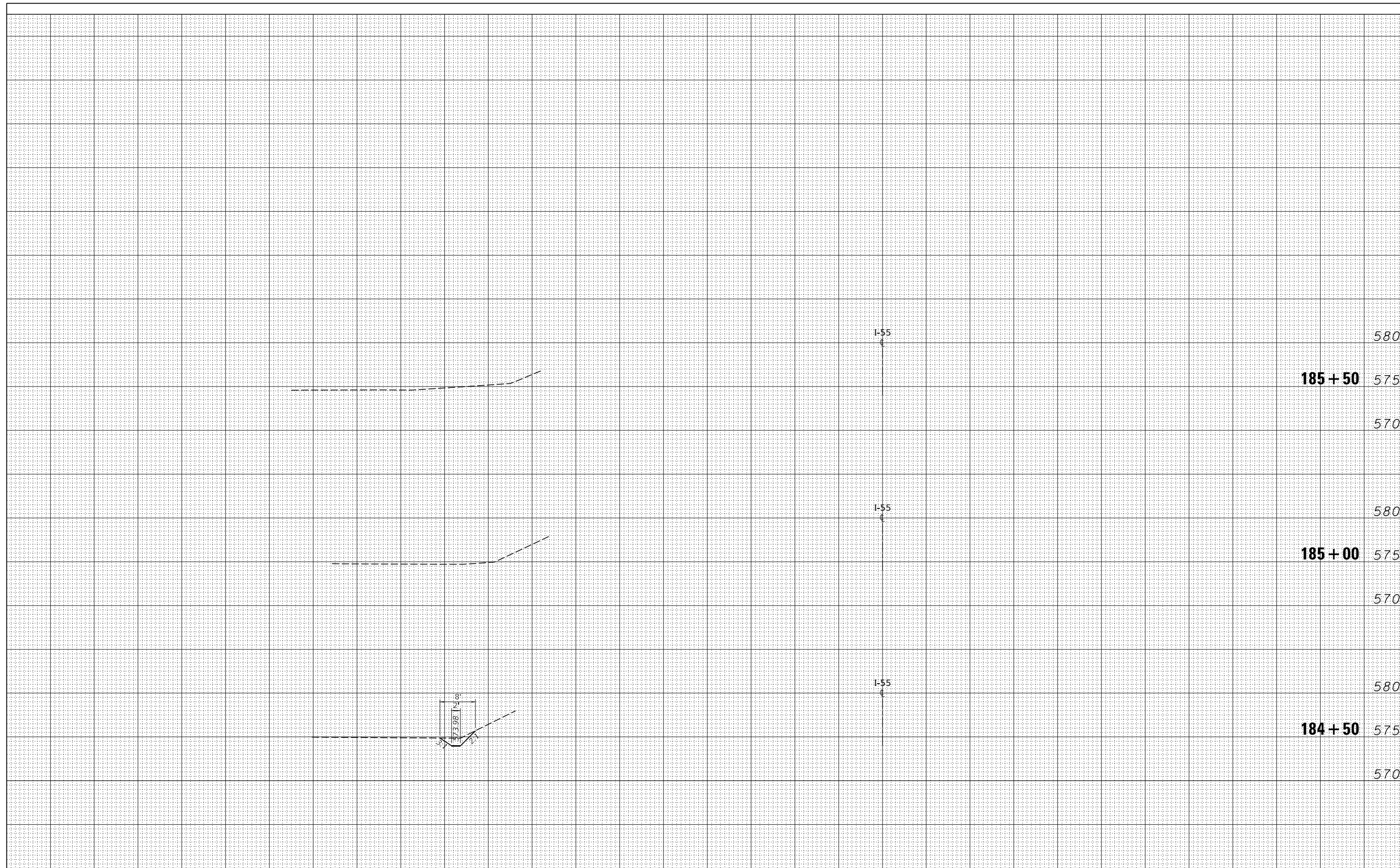
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-RS	WILL	164	102
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				

BY	DATE

FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

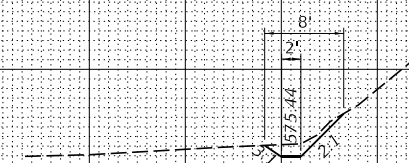
BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

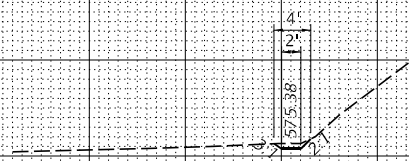


	DATE	
	BY	
ORIGINAL SURVEY	SURVEYED	
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	

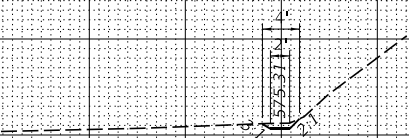
	DATE	
	BY	
ORIGINAL SURVEY	SURVEYED	
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS	
	CHECKED	



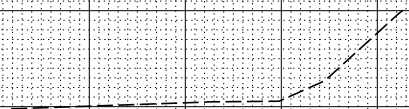
580  
**198 + 50** 575  
570



580  
**198 + 00** 575  
570



580  
**197 + 50** 575  
570



580  
**196 + 81.2** 575  
570

DRAINAGE IMPROVEMENTS  
LOCATION NO. 13

FILE NAME =	P:\0673\0673\Drawings\CAD\Civil\0673\Contract 62K30\I-55\1-55A.dgn	USER NAME =	cformosa
DESIGNED -		REVISOR -	
DRAWN -		REVISIONS -	
CHECKED -			
DATE -			
PLOT SCALE =	20.0000' / in.		
PLOT DATE =	7/1/2021		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS: DRAINAGE LOCATION 13 I-55 (SOUTH OF I-80 TO WEBER ROAD)</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

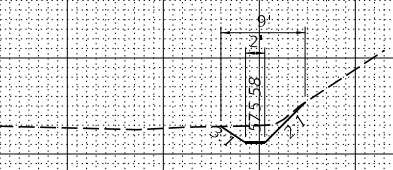
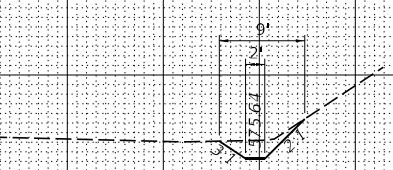
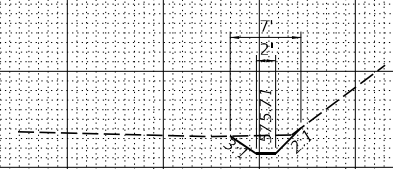
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-RS	WILL	164	104
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				

BY	DATE

BY	DATE

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	



I-55

I-55

I-55

I-55

580

200 + 50 575

570

580

200 + 00 575

570

580

199 + 50 575

570

580

199 + 00 575

570

FILE NAME =	USER NAME = cformosa	DESIGNED -	REVISED -
P:\00673.000\673.001\Drawings\CAD\Civil\00\SB	Contract 62K30\DI34420-sht-xsht.LI-55A.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/1/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

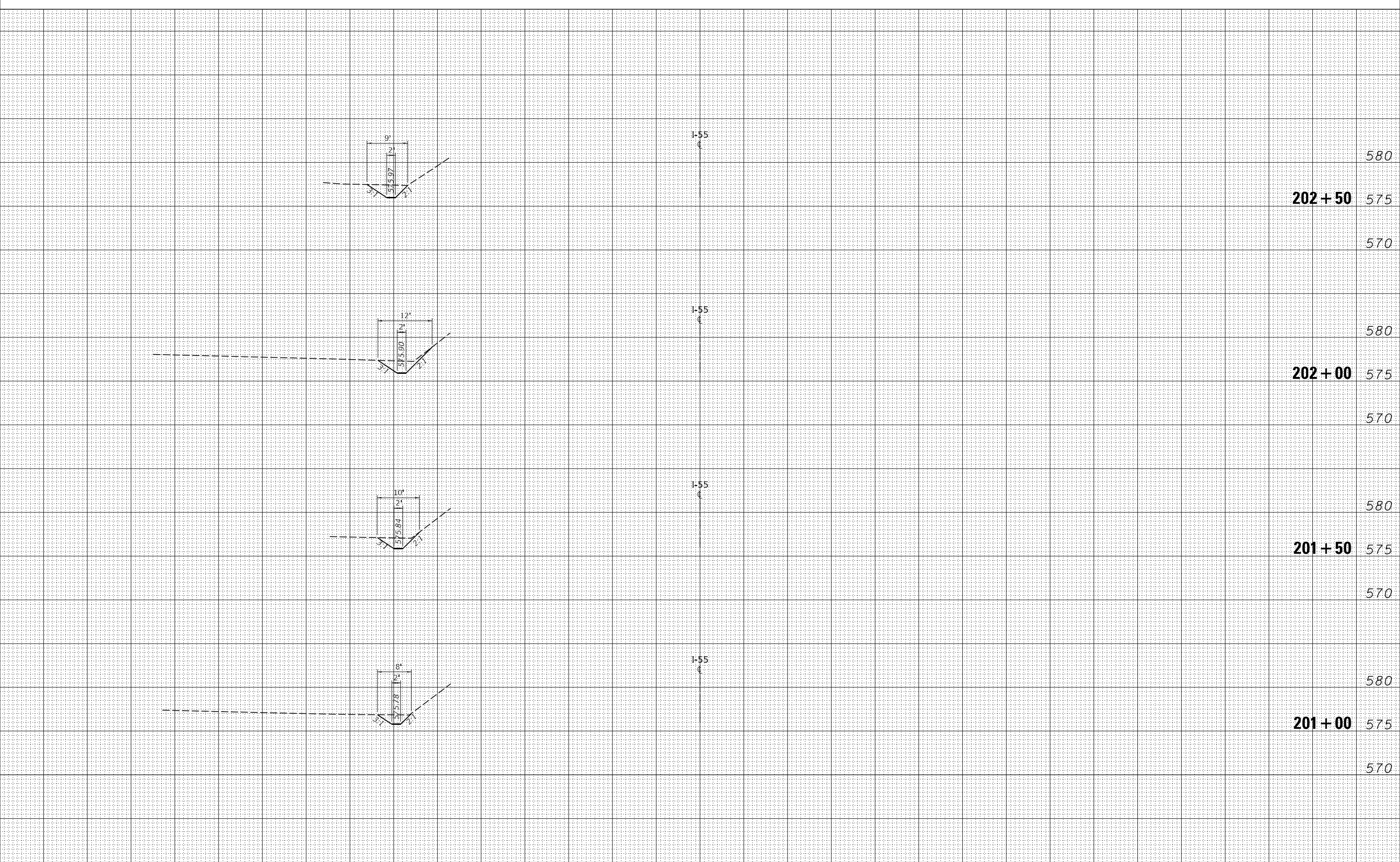
CROSS SECTIONS: DRAINAGE LOCATION 13  
I-55 (SOUTH OF I-80 TO WEBER ROAD)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-RS	WILL	164	105
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				

BY _____	DATE _____
ORIGINAL SURVEY NO. _____	SURVEYED PLOTTED _____
NOTE BOOK _____	TEMPLATE _____
AREAS CHECKED _____	AREAS CHECKED _____

BY _____	DATE _____
ORIGINAL SURVEY NO. _____	SURVEYED PLOTTED _____
NOTE BOOK _____	TEMPLATE _____
AREAS CHECKED _____	AREAS CHECKED _____



FILE NAME = P:\00673.000\673.001\Drawings\CAD\Civil\00\SB

USER NAME = cformosa  
 Contract 62K30\DI34420-sht-xsht.L-55A.dgn  
 PLOT SCALE = 20.0000 ' / in.  
 PLOT DATE = 7/1/2021

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: DRAINAGE LOCATION 13  
 I-55 (SOUTH OF I-80 TO WEBER ROAD)

SCALE: SHEET OF SHEETS STA. TO STA.

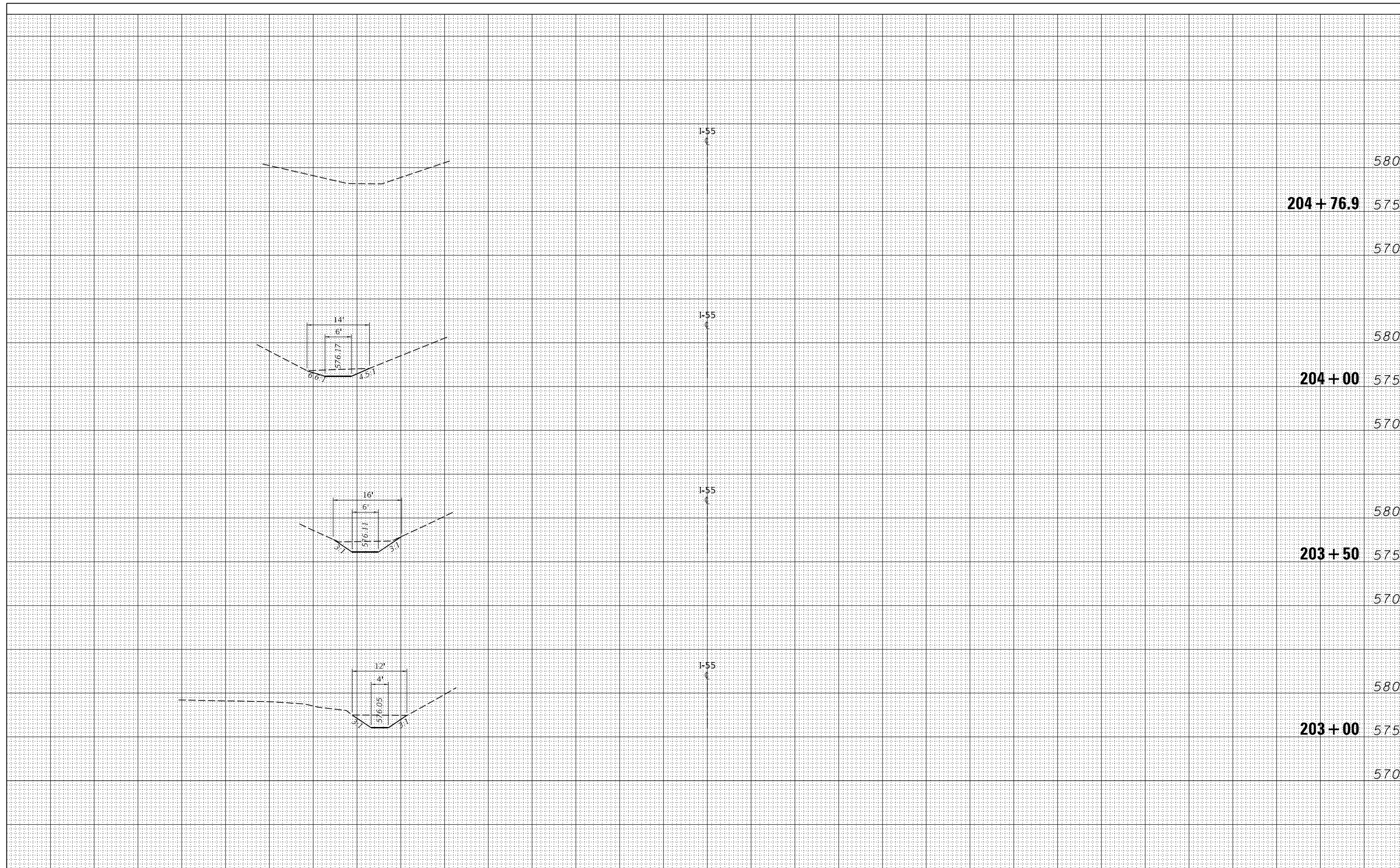
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	106
CONTRACT NO. 62K30			ILLINOIS FED. AID PROJECT	

BY	DATE

BY	DATE

FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME = P:\0673.000\673.001\Drawings\CAD\Civil\00\SB

USER NAME = cformosa  
 Contract 62K30\DI34420-sht-xssht-I-55A.dgn  
 PLOT SCALE = 20.0000' / in.  
 PLOT DATE = 7/1/2021

DESIGNED -  
 DRAWN -  
 CHECKED -  
 DATE -

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

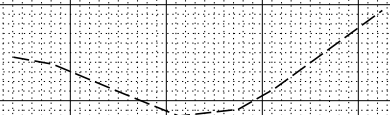
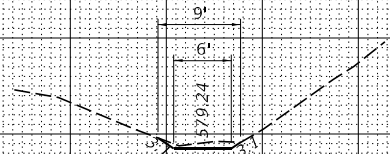
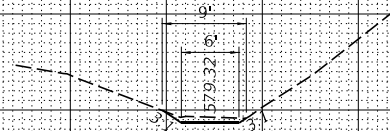
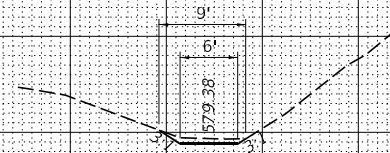
CROSS SECTIONS: DRAINAGE LOCATION 13  
 I-55 (SOUTH OF I-80 TO WEBER ROAD)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	107
CONTRACT NO. 62K30			ILLINOIS FED. AID PROJECT	

BY	DATE

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



DRAINAGE IMPROVEMENTS  
LOCATION NO. 12

		580
246 + 00	575	
	570	
	580	
245 + 50	575	
	570	
	580	
245 + 00	575	
	570	
	585	
244 + 63.4	580	
	575	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS: DRAINAGE LOCATION 12  
I-55 (SOUTH OF I-80 TO WEBER ROAD)

FILE NAME = P:\00673.000\673.001\Drawings\CAD\Civil\00\SB	USER NAME = cformosa	DESIGNED -	REVISED -
Contract 62K30\DI34420-sht-xssht-I-55A.dgn		DRAWN -	REVISED -
PLOT SCALE = 20.0000 ' / in.		CHECKED -	REVISED -
PLOT DATE = 7/1/2021		DATE -	REVISED -

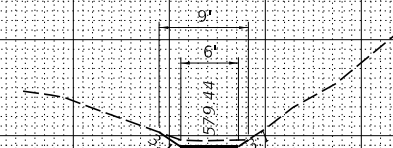
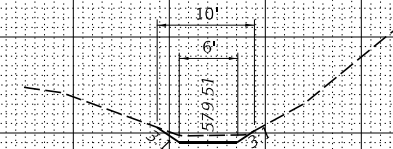
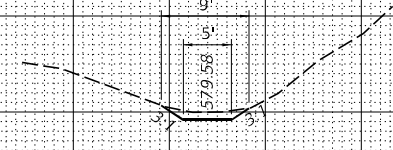
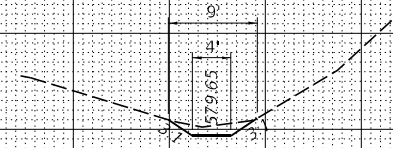
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	108
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				



DATE	BY	SURVEYED	PLOTTED
		FINISH	TEMPLATE
		NOTE BOOK	AREAS CHECKED
		NO.	

DATE	BY	SURVEYED	PLOTTED
		FINISH	TEMPLATE
		NOTE BOOK	AREAS CHECKED
		NO.	



I-55

I-55

I-55

I-55

585

248 + 00 580

575

585

247 + 50 580

575

585

247 + 00 580

575

585

246 + 50 580

575

FILE NAME =	USER NAME = cformosa	DESIGNED -	REVISED -
P:\00673.000\673.001\Drawings\CAD\Civil\00\SB -	Contract 62K30\DI34420-sht-xssht_LI-55A.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/1/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

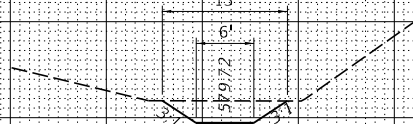
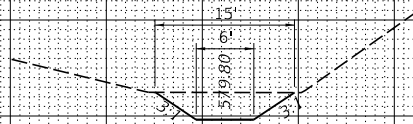
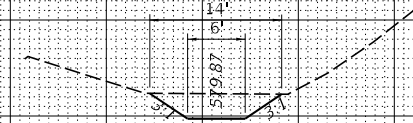
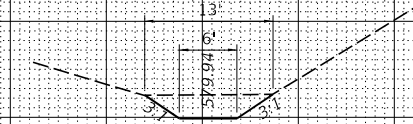
**CROSS SECTIONS: DRAINAGE LOCATION 12  
I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	109
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
CHECKED	AREAS		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS	TEMPLATE		
CHECKED	AREAS		



I-55

I-55

I-55

I-55

585
<b>250 + 00</b> 580
575
585
<b>249 + 50</b> 580
575
585
<b>249 + 00</b> 580
575
585
<b>248 + 50</b> 580
575

FILE NAME =	USER NAME = cformosa	DESIGNED -	REVISED -
P:\00673.000\673.001\Drawings\CAD\Civil\00\SB	Contract 62K30\DI34420-sht-xssht-I-55A.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/1/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

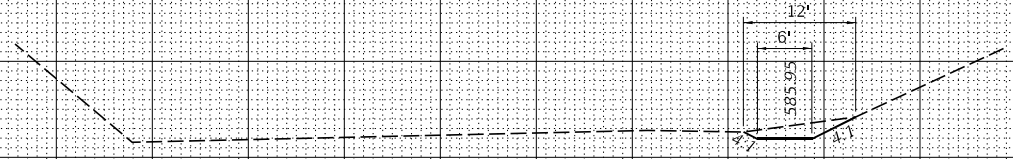
**CROSS SECTIONS: DRAINAGE LOCATION 12  
I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: SHEET OF SHEETS STA. TO STA.

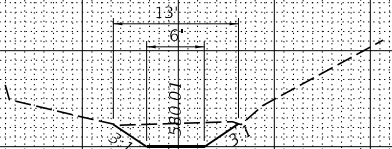
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	110
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



DRAINAGE IMPROVEMENTS  
LOCATION NO. 11



I-55

I-55

I-55

590

**341 + 75** 585

580

590

**341 + 31.8** 585

580

585

**250 + 96** 580

575

585

**250 + 50** 580

575

FILE NAME = P:\00673\000\673.001\Drawings\CAD\Civil\00\SB	USER NAME = cformosa	DESIGNED - DRAWN -	REVISED - REVISED -
Contract 62K30\DI34420-sht-xssht-I-55A.dgn		CHECKED - DATE -	REVISED - REVISED -
PLOT SCALE = 20.0000' / in.			
PLOT DATE = 7/1/2021			

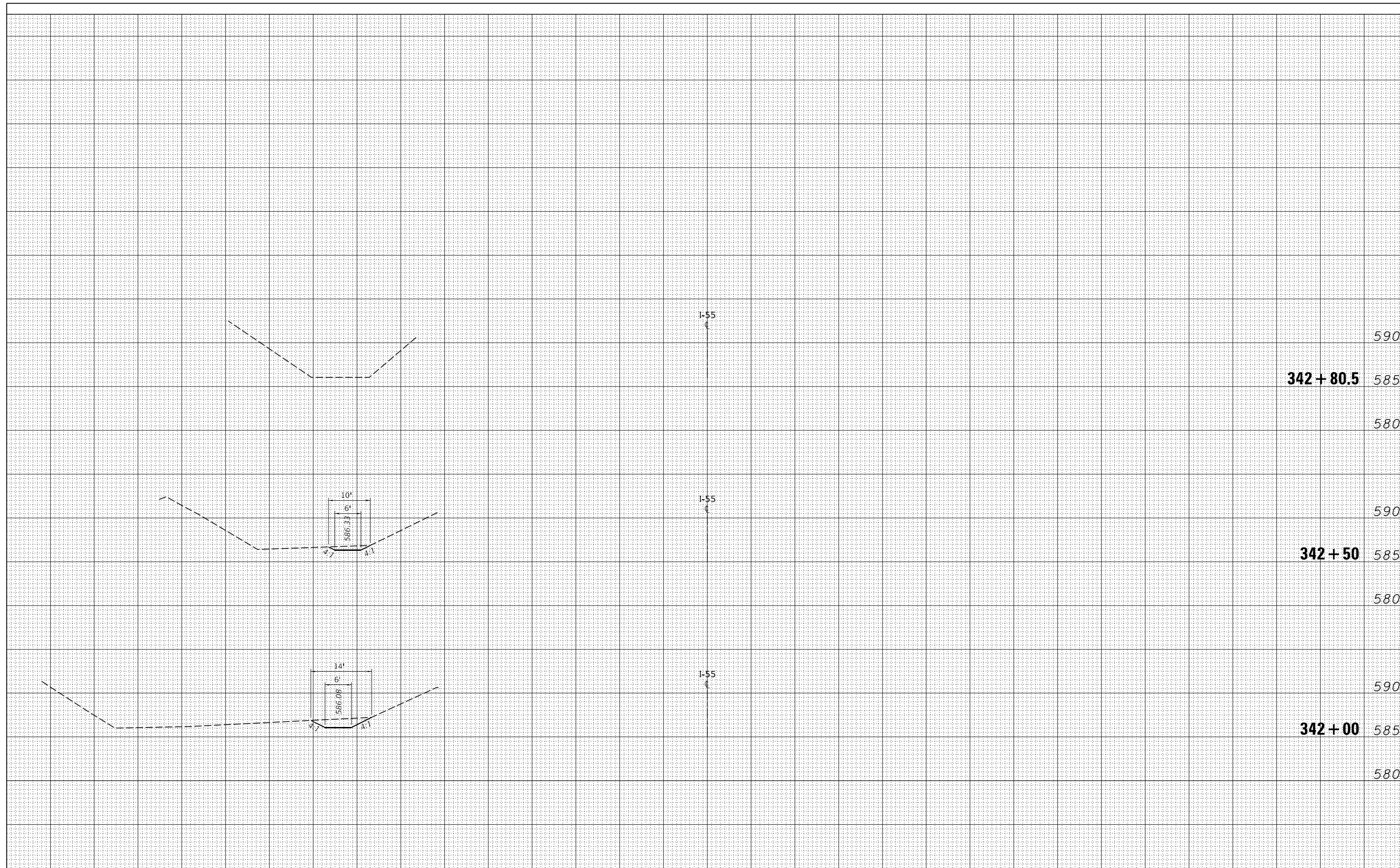
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS: DRAINAGE LOCATION 12 /11			
I-55 (SOUTH OF I-80 TO WEBER ROAD)			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	111
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				

BY	DATE

BY	DATE



FILE NAME =	P:\00673.000\673.001\Drawings\CAD\Civil\00\SB
USER NAME =	cformosa
DESIGNED -	REVISÉD -
DRAWN -	REVISÉD -
PLÓT SCALE = 20.0000' / in.	CHECKED -
PLÓT DATE = 7/1/2021	DATE -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

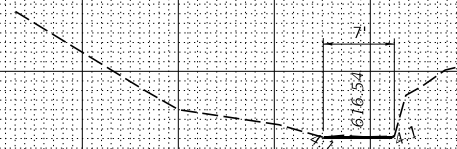
**CROSS SECTIONS: DRAINAGE LOCATION 11  
I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	112
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				

DATE	BY	SURVEYED	PLOTTED
		FINISH	NOTE BOOK
		NO.	AREAS CHECKED

DATE	BY	SURVEYED	PLOTTED
		FINISH	NOTE BOOK
		NO.	AREAS CHECKED



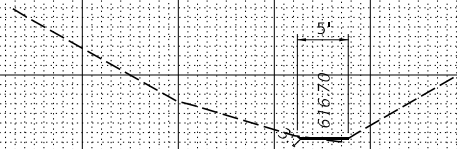
NICOR 2" GAS

388 + 00 615

I-55

620

610



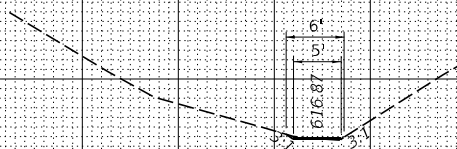
NICOR 2" GAS

387 + 50 615

I-55

620

610



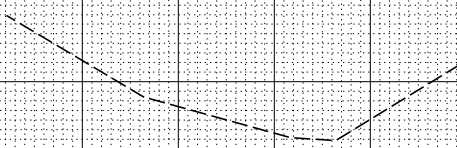
NICOR 2" GAS

387 + 00 615

I-55

620

610



NICOR 2" GAS

386 + 78.8 615

DRAINAGE IMPROVEMENTS LOCATION NO. 10

620

610

FILE NAME =	USER NAME = cformosa	DESIGNED -	REVISED -
P:\00673.000\673.001\Drawings\CAD\Civil\00\SB -	Contract 62K30\DI34420-sht-xssht-I-55A.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/1/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

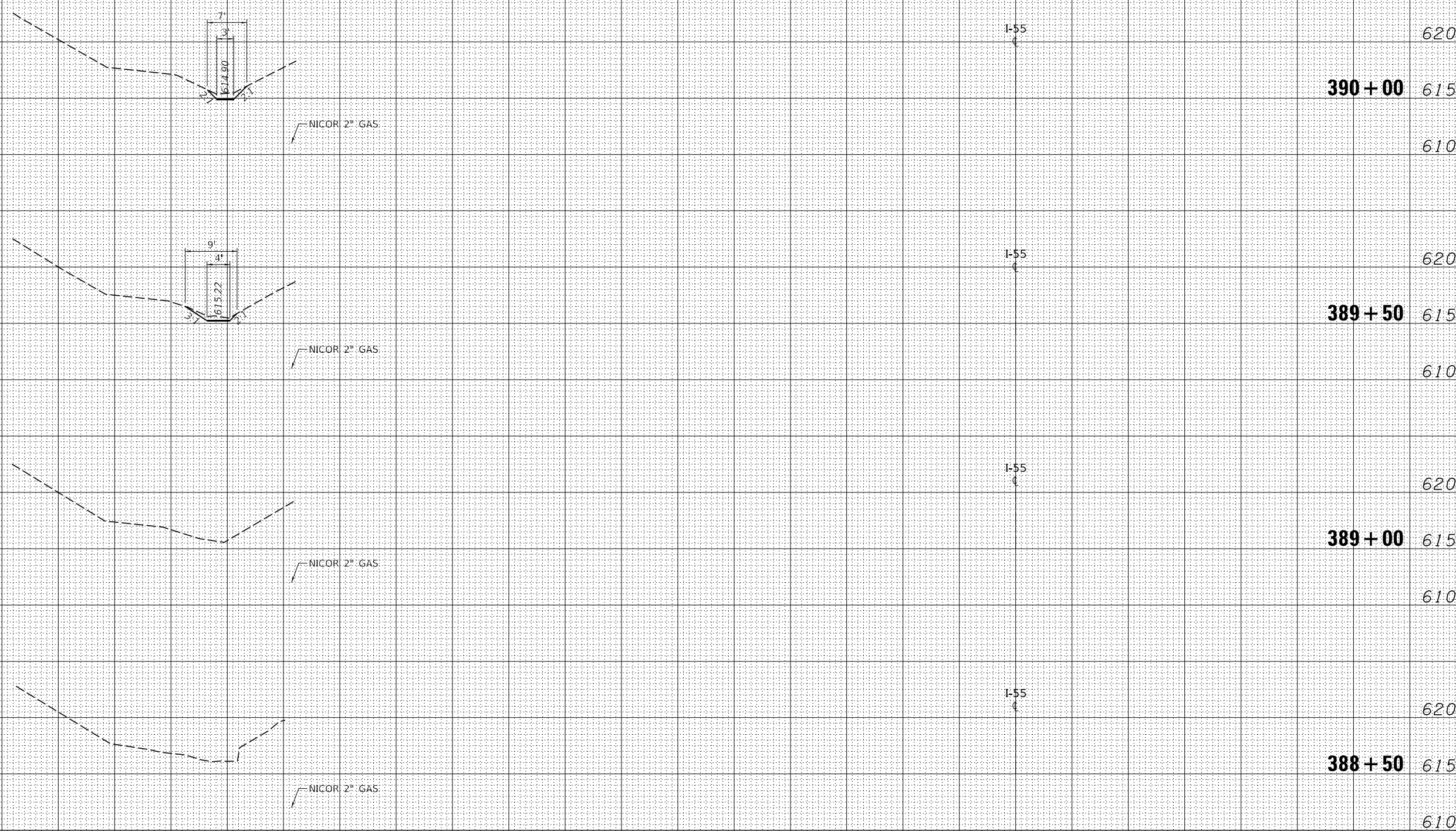
CROSS SECTIONS: DRAINAGE LOCATION 10  
I-55 (SOUTH OF I-80 TO WEBER ROAD)

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	113
CONTRACT NO. 62K30			ILLINOIS FED. AID PROJECT	

BY	DATE
FINISHED SURVEY	
NOTE BOOK	
NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

BY	DATE
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	



FILE NAME =	USER NAME = cformosa	DESIGNED -	REVISED -
P:\00673.000\673.001\Drawings\CAD\Civil\00\SB -	Contract 62K30\DI34420-sht-xssht-I-55A.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 7/1/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

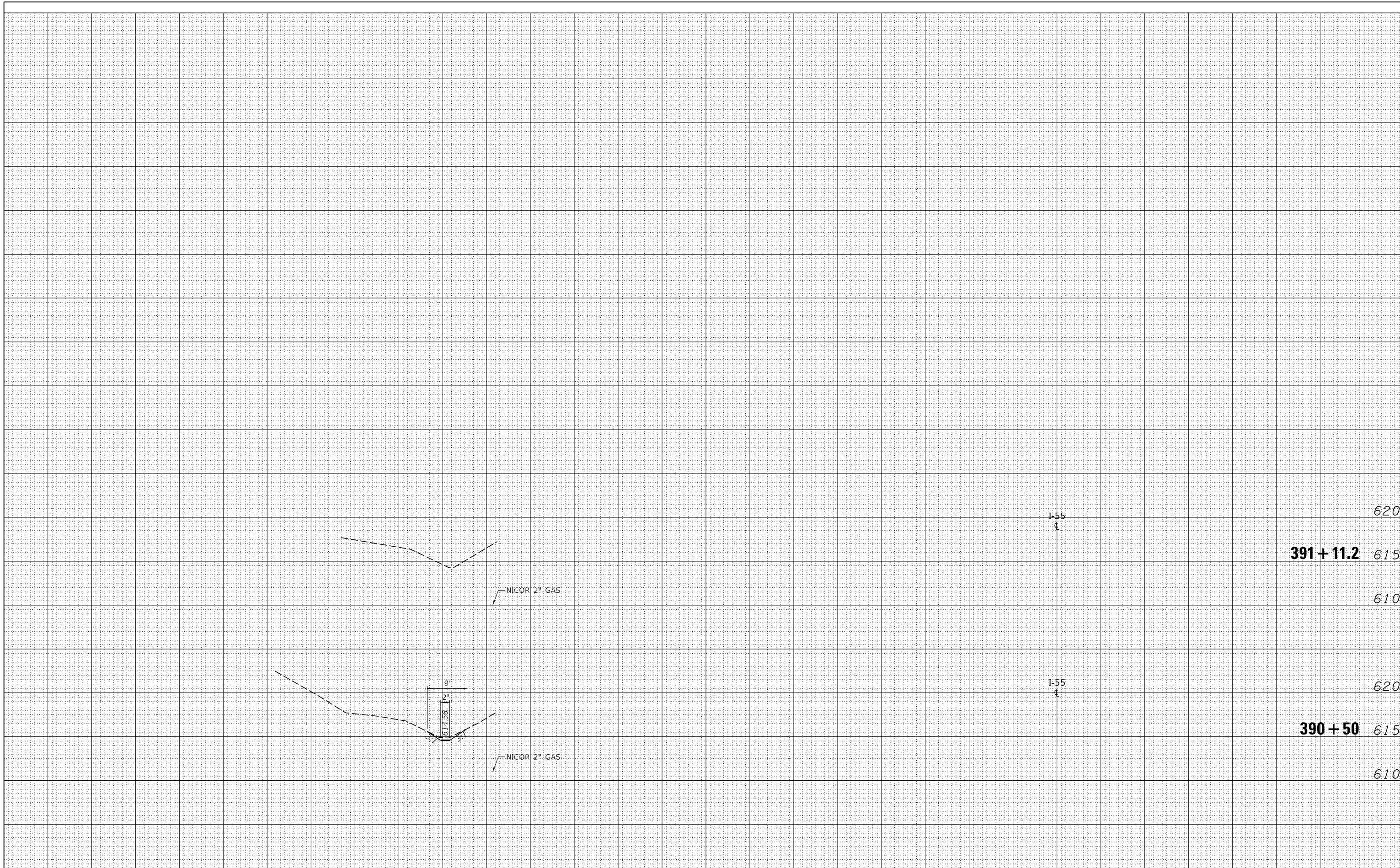
**CROSS SECTIONS: DRAINAGE LOCATION 10  
I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	114
CONTRACT NO. 62K30			ILLINOIS FED. AID PROJECT	

BY	DATE
FINISHED SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

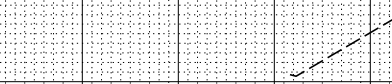
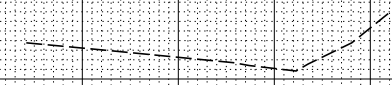
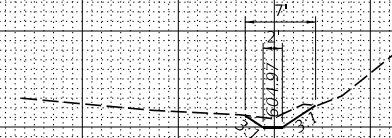
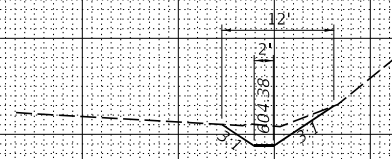
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I-55 (SOUTH OF I-80 TO WEBER ROAD)**

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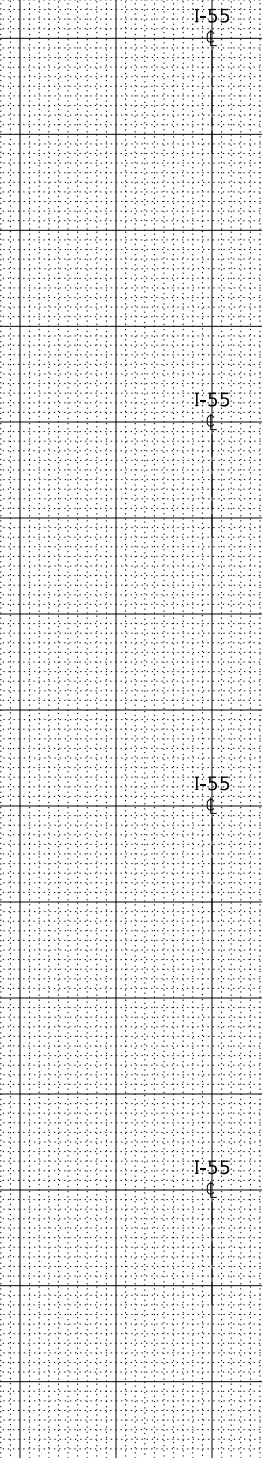
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I-55	2019-154-R5	WILL	164	115
CONTRACT NO. 62K30			ILLINOIS FED. AID PROJECT	

BY			DATE
FINISH SURVEY	SURVEYED	PLOTTED	
NOTE BOOK	TEMPLATE	AREAS	CHECKED
NO.	AREAS CHECKED		

BY			DATE
ORIGINAL SURVEY	SURVEYED	PLOTTED	
NOTE BOOK	TEMPLATE	AREAS	CHECKED
NO.	AREAS CHECKED		



DRAINAGE IMPROVEMENTS  
LOCATION NO. 9



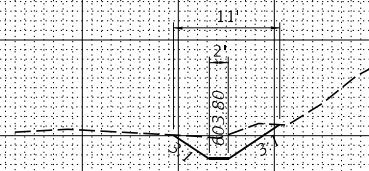
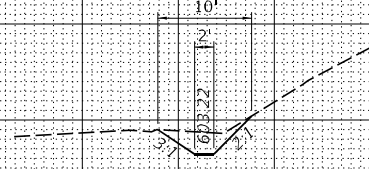
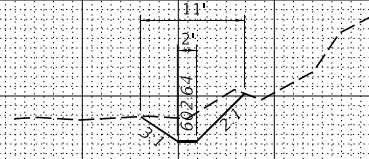
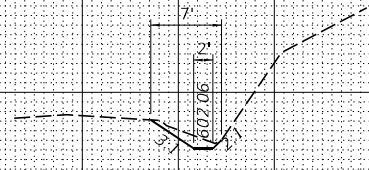
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Contract 62K30\DI34420-sht-xsht-I-55A.dgn		DRAWN -	REVISED -		I-55	2019-154-R5	WILL	164	116				
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 62K30				ILLINOIS FED. AID PROJECT				
PLOT DATE = 7/1/2021		DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS		
	CHECKED		



I-55

I-55

I-55

I-55

605  
**474 + 00** 600

605  
**473 + 50** 600

605  
**473 + 00** 600

605  
**472 + 50** 600

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS: DRAINAGE LOCATION 9  
I-55 (SOUTH OF I-80 TO WEBER ROAD)**

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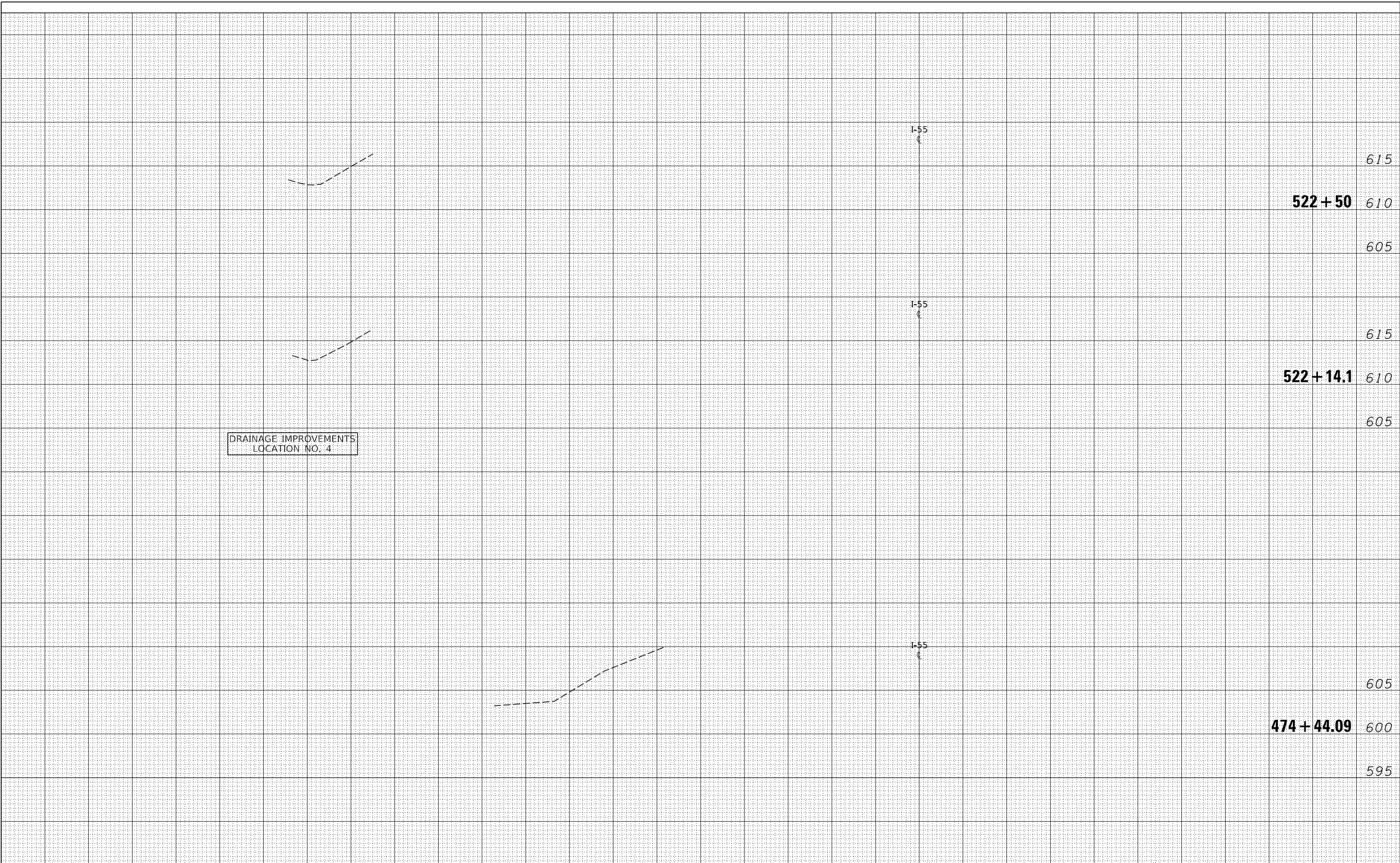
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DATE -	REVISIED -

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	117
CONTRACT NO. 62K30			ILLINOIS FED. AID PROJECT	

BY		DATE
FINAL SURVEY	SURVEYED	
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
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BY		DATE
ORIGINAL SURVEY	SURVEYED	
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	CHECKED

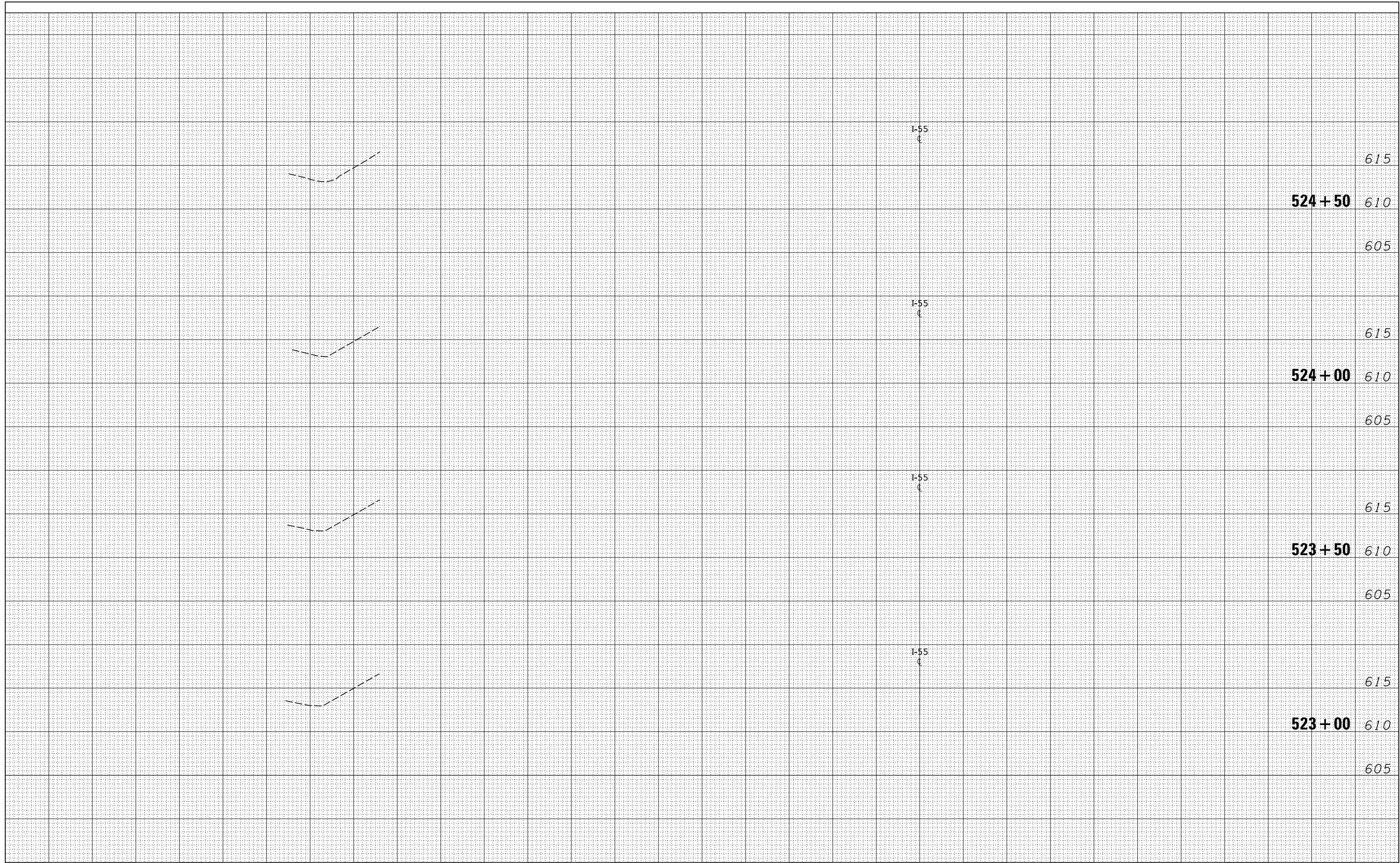


DRAINAGE IMPROVEMENTS  
LOCATION NO. 4

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DATE	BY	FINISHED	SURVEYED
		NOTE BOOK	TEMPLATE
		AREAS	CHECKED
		AREAS	CHECKED

DATE	BY	ORIGINAL	SURVEYED
		NOTE BOOK	TEMPLATE
		AREAS	CHECKED
		AREAS	CHECKED



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

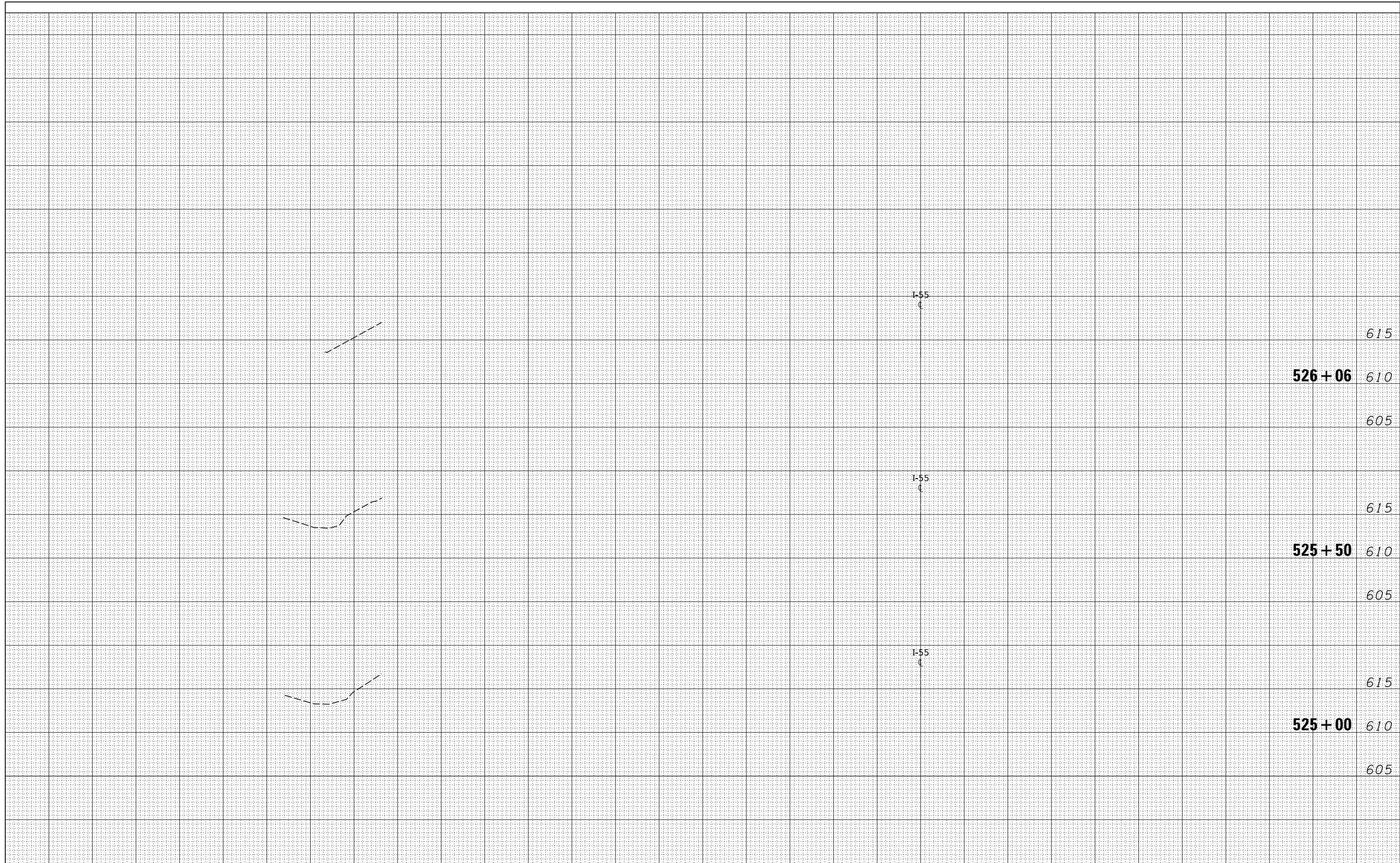
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 I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-55	2019-154-R5	WILL	164	119
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				

BY	DATE
FINISHED SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED

BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = cformosa	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS: DRAINAGE LOCATION 4</b> <b>I-55 (SOUTH OF I-80 TO WEBER ROAD)</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
P:\00673.000\673.001\Drawings\CAD\Civil\00\SB	Contract 62K30\DI34420-sht-xssht-I-55A.dgn	DRAWN -	REVISED -			I-55	2019-154-R5	WILL	164	120
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



**GENERAL NOTES:**

1. THIS PROJECT INCLUDES THE REMOVAL OF EXISTING SURVEILLANCE EQUIPMENT IN THE PAVEMENT AS A RESULT OF ROADWAY WORK AND REPLACING THE EQUIPMENT WITH NEW SENSORS. AT SOME LOCATIONS ADDITIONAL EQUIPMENT IS ALSO REQUIRED AS INDICATED ON THE PLANS TO INTEGRATE WITH THE EXISTING SYSTEM.
2. THE EXISTING SURVEILLANCE SYSTEM IS OWNED AND MAINTAINED BY THE STATE OF ILLINOIS. PARTIAL MAINTENANCE OF THE SYSTEM SHALL BE TRANSFERRED TO THE CONTRACTOR PRIOR TO THE START OF ANY WORK.
3. THE CONTRACTOR WILL BE RESPONSIBLE FOR MAINTENANCE OF THE EXISTING AND PROPOSED SURVEILLANCE EQUIPMENT IMPACTED BY THE WORK. COST IS INCLUDED IN MAINTAINING ITS DURING CONSTRUCTION PAY ITEM.
4. THE QUANTITIES OF RACEWAY WHEREVER INDICATED ON THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
5. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL ALSO CONTACT MEADE ELECTRIC DISTRICT 1 ELECTRICAL MAINTENANCE CONTRACTOR TO LOCATE IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES BY CALLING (773)-287-7672.
6. THE CONTRACTOR SHALL MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER. LOCATIONS FOR PROPOSED ITS INFRASTRUCTURE ARE DIAGRAMMATICALLY SHOWN AND FINAL LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
7. THE CONTRACTOR SHALL VERIFY LOCATIONS OF UNDERGROUND/OVERHEAD UTILITIES PRIOR TO INSTALLATION OF LIGHT POLES AND CONDUITS. IF THERE IS A CONFLICT WITH THE LIGHT POLES/CONDUITS AS SHOWN ON PLANS, THE CONTRACTOR SHALL SUGGEST ALTERNATIVE LOCATIONS AND COORDINATE WITH THE ENGINEER PRIOR TO PERFORMING DIGGING WORK. IT SHALL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION ACTIVITIES.
8. THE CONTRACTOR SHALL TAKE CARE TO AVOID CONFLICTS WITH EXISTING UNDERGROUND UTILITIES, PAVEMENT AND TREES INCLUDING THEIR ROOTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE. THE CONTRACTOR SHALL REPAIR ANY DAMAGE AT NO ADDITIONAL COST AND THE REPAIRS SHALL BE TO THE SATISFACTION OF THE ENGINEER.
9. TRENCHES FOR LIGHTING RACEWAYS SHALL HAVE A MINIMUM DEPTH OF 30".
10. THE CONTRACTOR SHALL PROVIDE ALL LABOR, EQUIPMENT AND MATERIALS NECESSARY TO COMPLETE ALL ELECTRICAL WORK.
11. ALL ELECTRICAL WORK SHALL BE PERFORMED IN STRICT ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), LIFE SAFETY CODE (NFPA) 101, OSHA AND ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATION REQUIREMENTS.
12. THE CONTRACTOR SHALL COORDINATE WITH SENSYS NETWORKS FOR TECHNICAL SUPPORT TO ENSURE THAT THE PROPOSED SYSTEM IS INTEGRATED WITH THE EXISTING SENSYS SERVERS IN OAK PARK.
13. THE WIRELESS VEHICLE DETECTION SENSOR - PAY ITEM; WIRELESS IN PAVEMENT DETECTOR (X1400337) SHALL INCLUDE SENSYS PRODUCTS VSN240-F-2 AND VSN240-EPX-SOT-01.
14. IMPLEMENTATION OF ITS WORK AS SHOWN IN THESE PLANS SHALL BE PERFORMED IN COORDINATION WITH THE CONCURRENT CONTRACT NO. 62K51.

**BILL OF MATERIALS**

PAY ITEM	DESCRIPTION	UNIT	QUANTITY
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	761
83600352	LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6'	EACH	5
X0326812	CAT 5 ETHERNET CABLE	FOOT	761
X0327117	ATMS SYSTEM INTEGRATION	L SUM	1
X0327616	MAINTAINING ITS DURING CONSTRUCTION	CAL MO	6
X1400106	WIRELESS VEHICLE DETECTION SYSTEM	EACH	11
X1400211	LIGHT POLE, SPECIAL, 30'	EACH	5
X1400337	WIRELESS IN PAVEMENT DETECTOR	EACH	86
X1400438	WIRELESS VEHICLE DETECTION SOLAR REPEATER	EACH	4

**LEGEND**

-  WIRELESS VEHICLE DETECTION SENSOR
-  PROPOSED LIGHT POLE, SPECIAL, 30 FT. WITH RADIO OR REPEATER INSTALLED PER PLAN
-  EXISTING LIGHTING UNIT WITH RADIO OR REPEATER INSTALLED PER PLAN
-  EXISTING SURVEILLANCE CABINET
-  2" DIA. GALVANIZED STEEL CONDUIT WITH OUTDOOR RATED CAT5E CABLE
-  EXISTING POLE WITH EXISTING CABINET AND SOLAR PANEL

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**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

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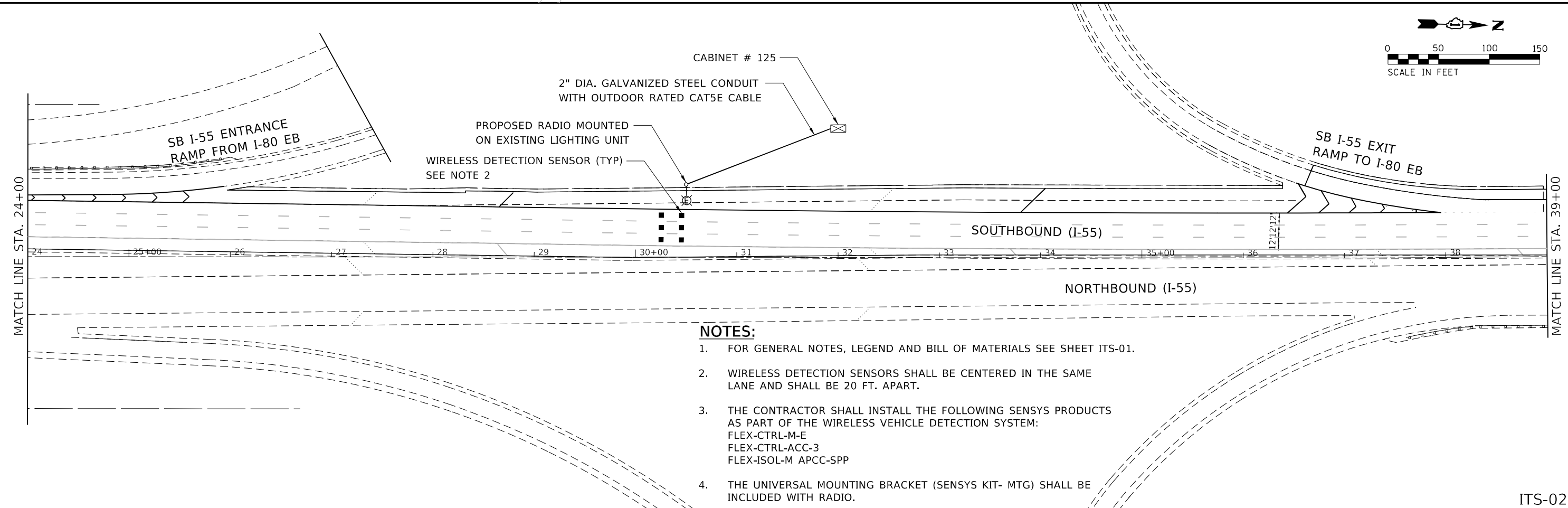
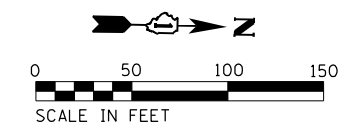
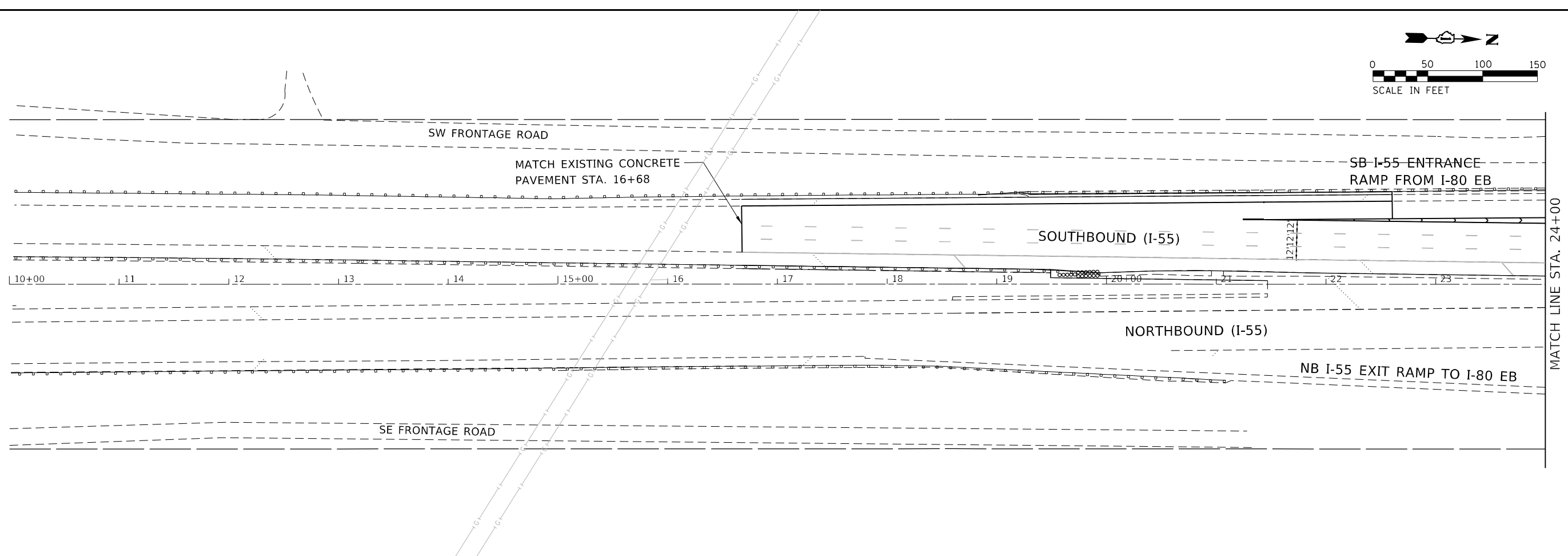
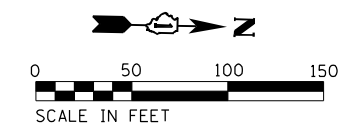
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, BILL OF MATERIALS AND LEGEND  
 SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. N/A TO STA. N/A

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	121
			CONTRACT NO. 62K30	
		ILLINOIS	FED. AID PROJECT	

ITS-01



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
 FLEX-CTRL-M-E  
 FLEX-CTRL-ACC-3  
 FLEX-ISOL-M APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO.

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**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

USER NAME = Srahman	DESIGNED - BL/MS	REVISED -
DRAWN - SR	REVISIONS -	
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PLOT DATE = 6/24/2021	DATE - 06-24-2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**  
 SCALE: 1"=50'    SHEET 1 OF 27 SHEETS    STA. 10+00 TO STA. 39+00

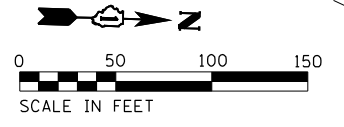
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				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				

ITS-02

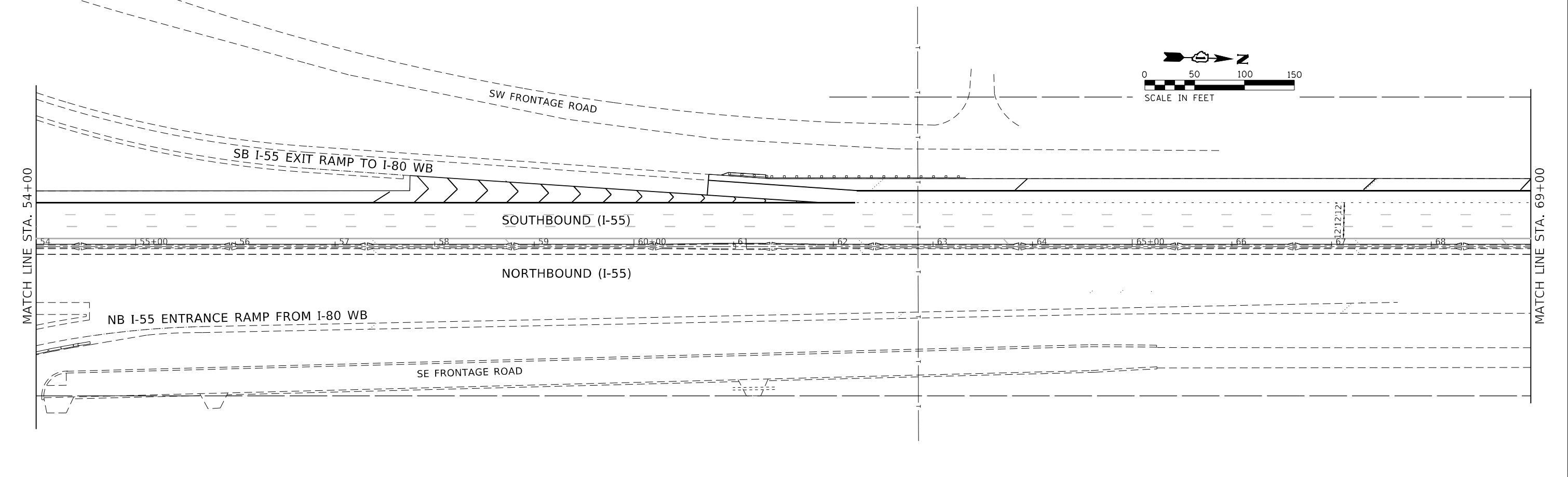
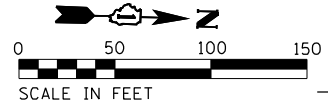
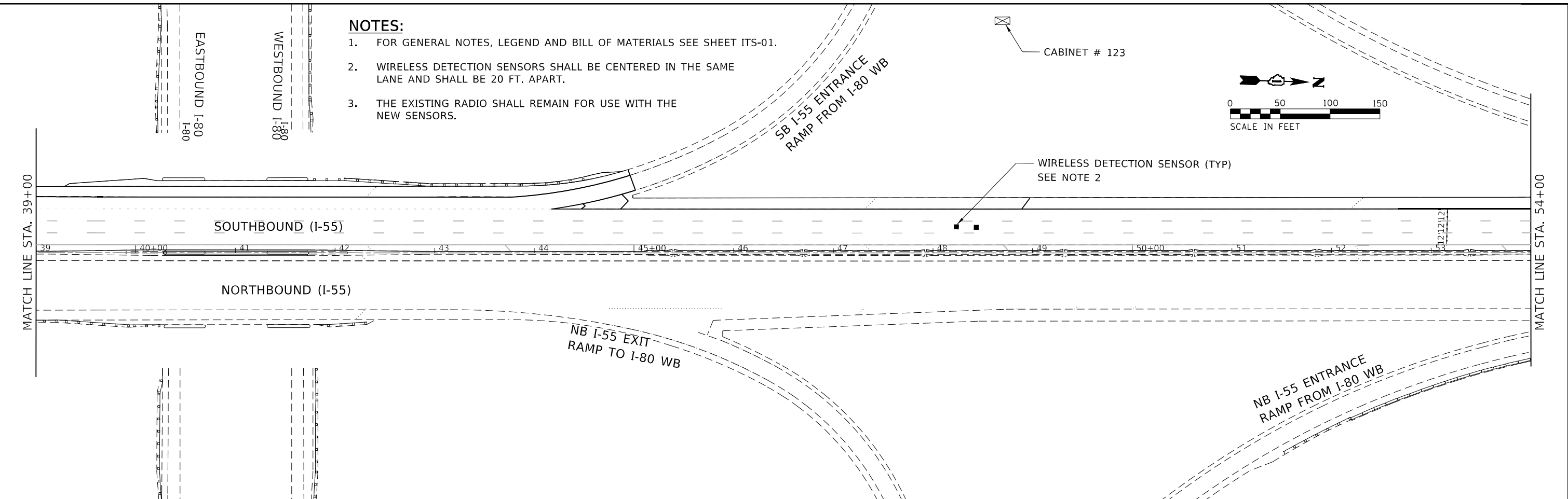
**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.

CABINET # 123



WIRELESS DETECTION SENSOR (TYP)  
SEE NOTE 2



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**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

USER NAME = Srahman  
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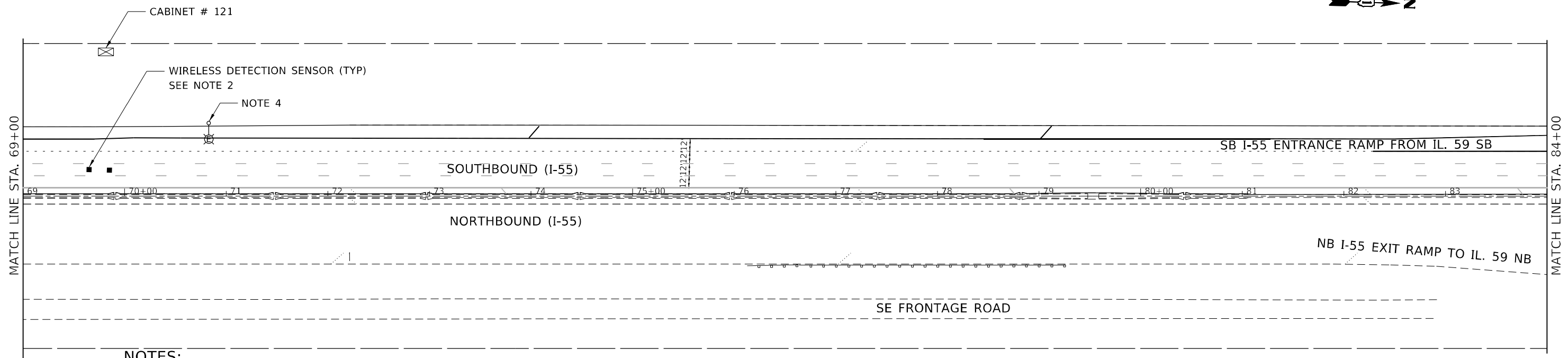
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**  
 SCALE: 1"=50'  
 SHEET 2 OF 27 SHEETS  
 STA. 39+00 TO STA. 69+00

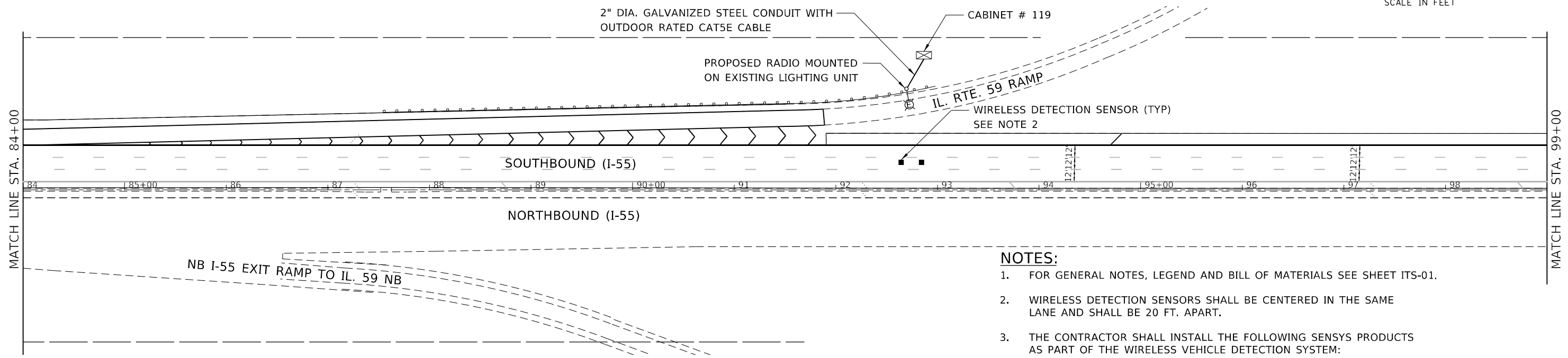
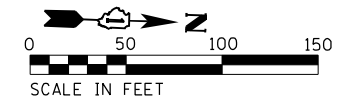
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	123
				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				

ITS-03



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.
4. THE EXISTING REPEATER ON THE LIGHT POLE SHALL BE REPLACED WITH A NEW SOLAR REPEATER. THE REPEATER SHALL BE SENSYS FLEX-RPT3-SLR.
5. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO.



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
FLEX-CTRL-M-E  
FLEX-CTRL-ACC-3  
FLEX-ISOL-M APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO.

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**AMES Engineering, Inc.**  
CONSULTING ENGINEERS  
6330 Belmont Road, Suite 4B  
Downers Grove, IL 60515

USER NAME = Srahman	DESIGNED - BL/MS	REVISED -
DRAWN - SR	CHECKED - MH	REVISED -
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PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

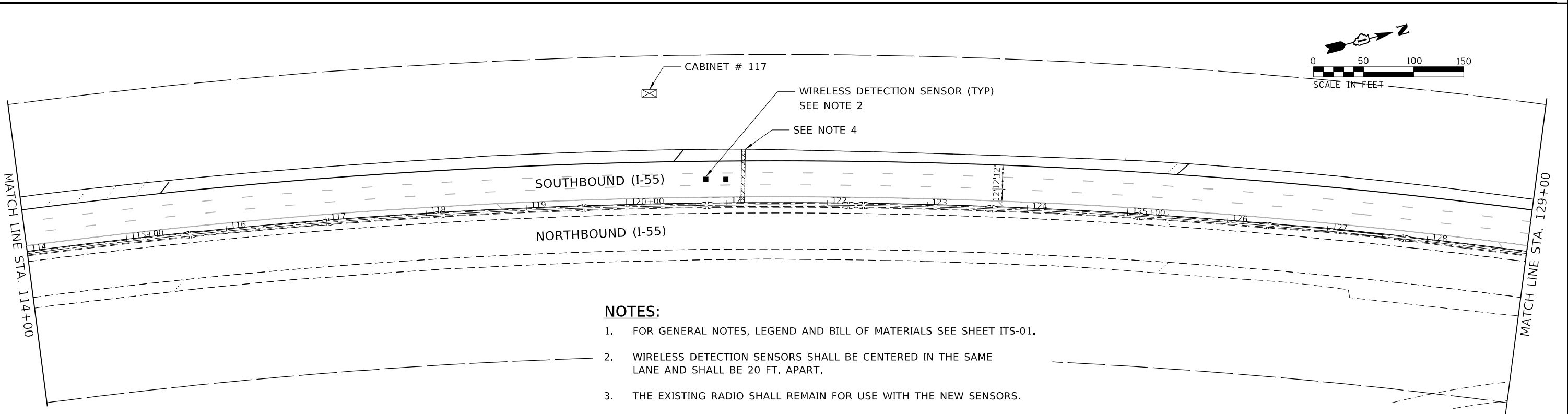
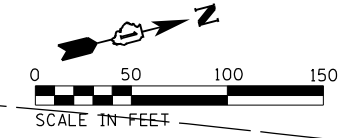
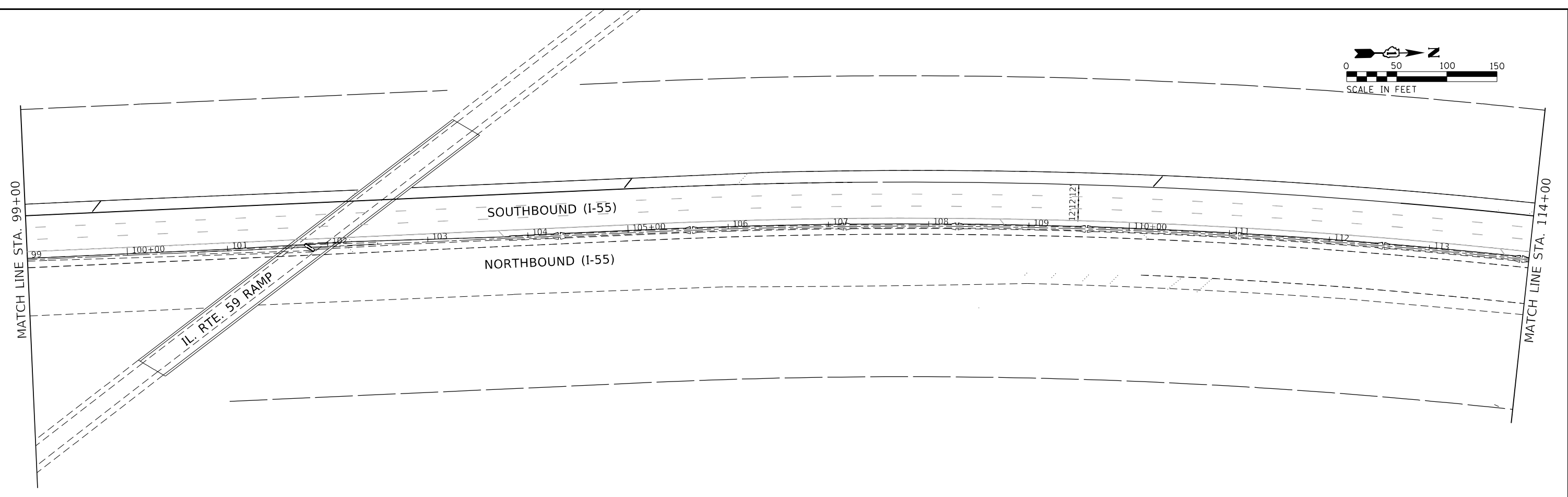
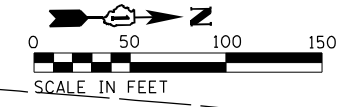
**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: 1"=50'    SHEET 3 OF 27 SHEETS    STA. 69+00    TO STA. 99+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	124
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				

ITS-04





**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.
4. THE EXISTING REPEATER ON THE SIGN STRUCTURE SHALL BE REPLACED WITH A NEW SOLAR REPEATER. THE REPEATER SHALL BE SENSYS FLEX-RPT3-SLR.
5. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT-MTG) SHALL BE INCLUDED WITH REPEATER.

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**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

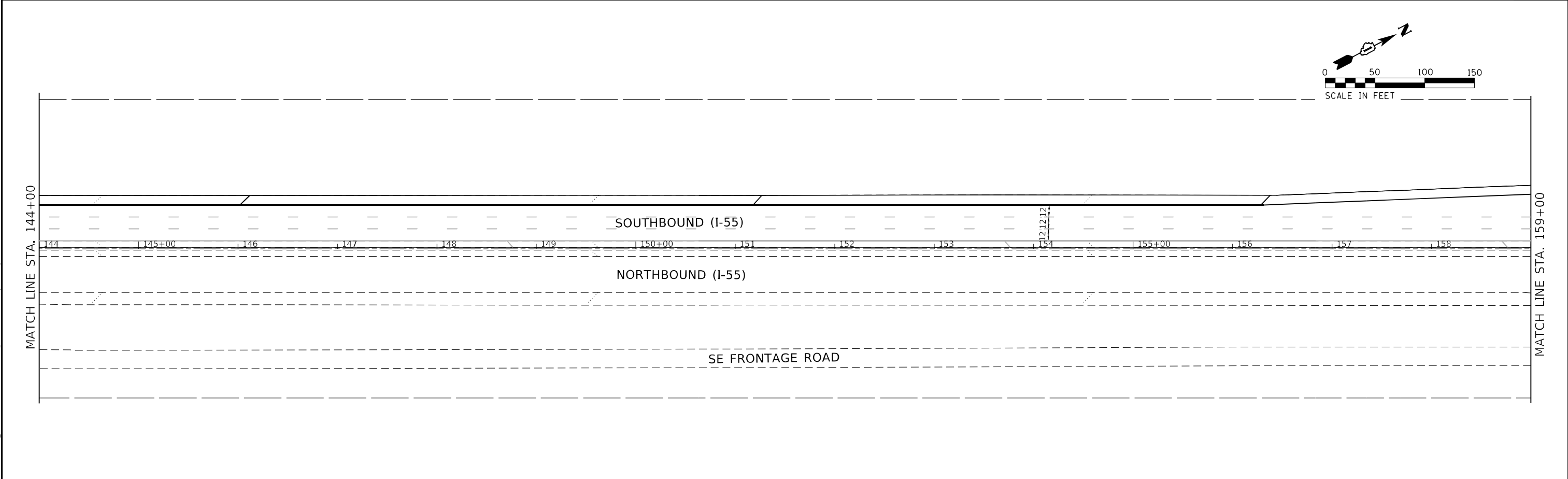
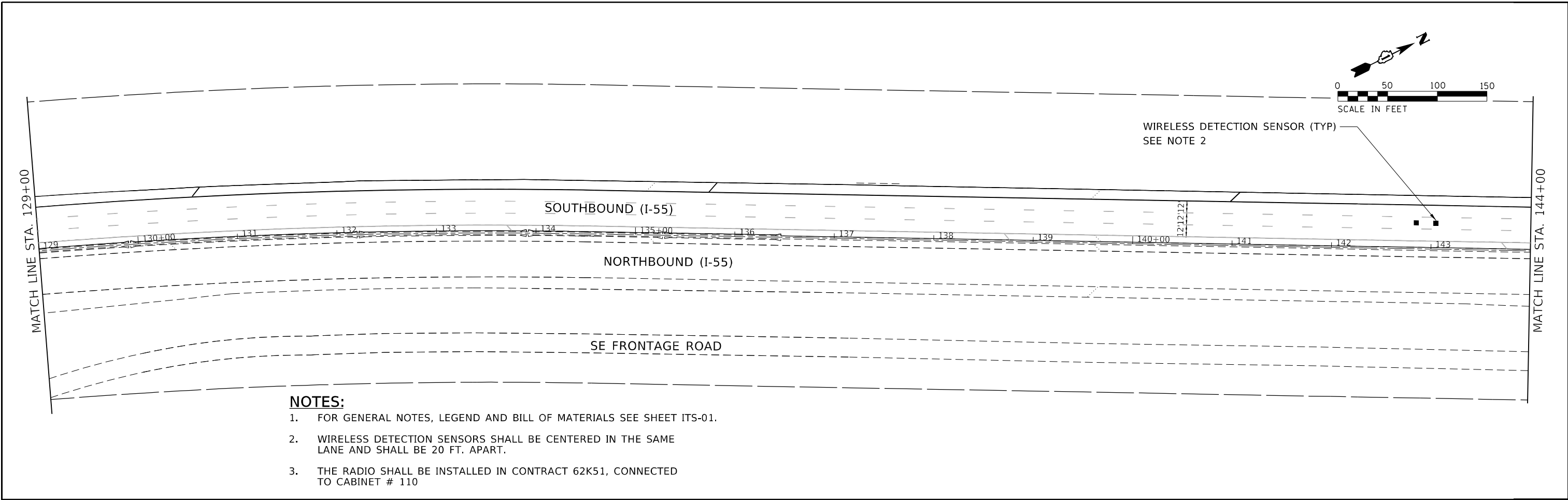
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PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**  
 SCALE: 1"=50'    SHEET 4 OF 27 SHEETS    STA. 99+00 TO STA. 129+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	125
				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				

ITS-05



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 Downers Grove, IL 60515

USER NAME = Srahman  
 PLOT SCALE = 100,0000' / in.  
 PLOT DATE = 6/24/2021

DESIGNED - BL/MS  
 DRAWN - SR  
 CHECKED - MH  
 DATE - 06-24-2021

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

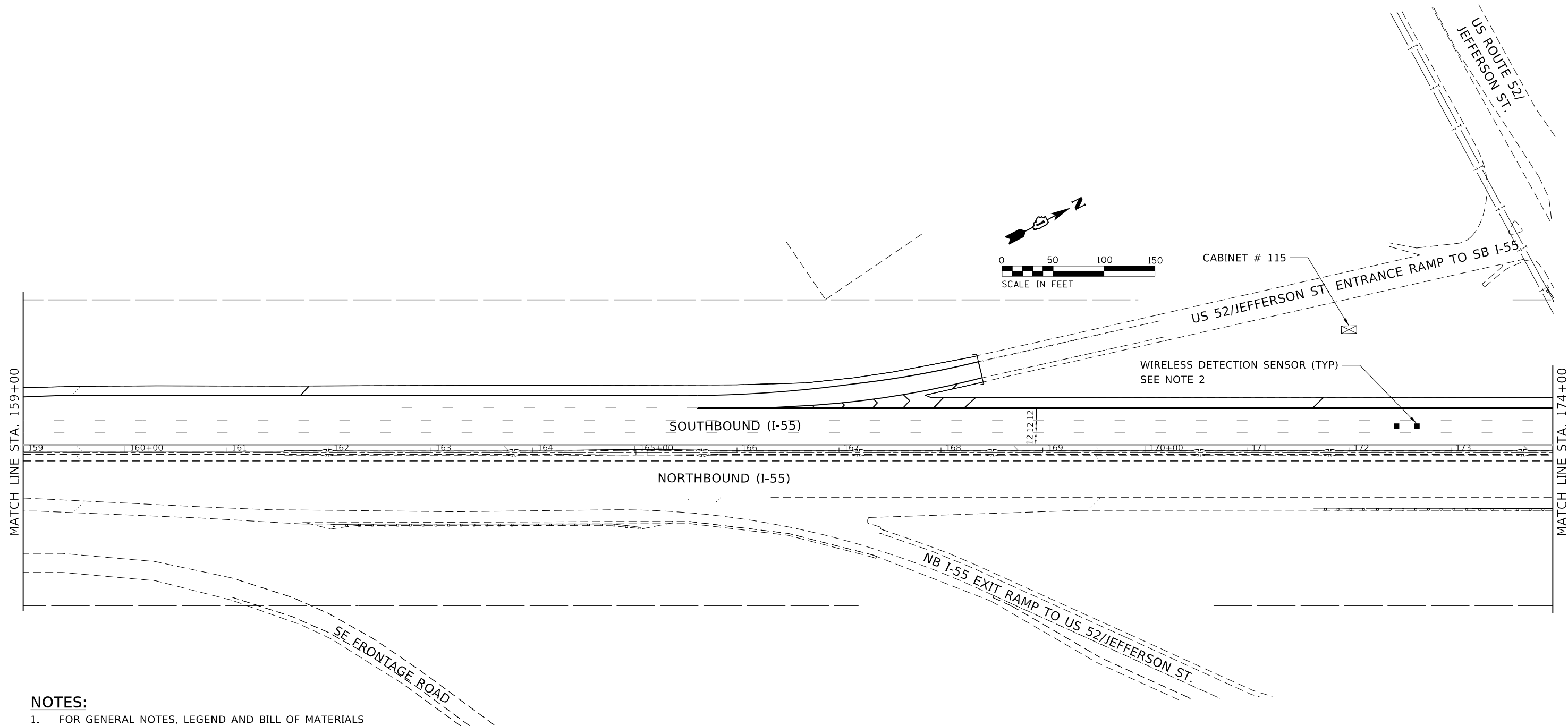
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: 1"=50'    SHEET 5 OF 27 SHEETS    STA. 129+00 TO STA. 159+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	126
				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				

ITS-06



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.

MODEL: D:\p\h\l  
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ITS-07

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 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

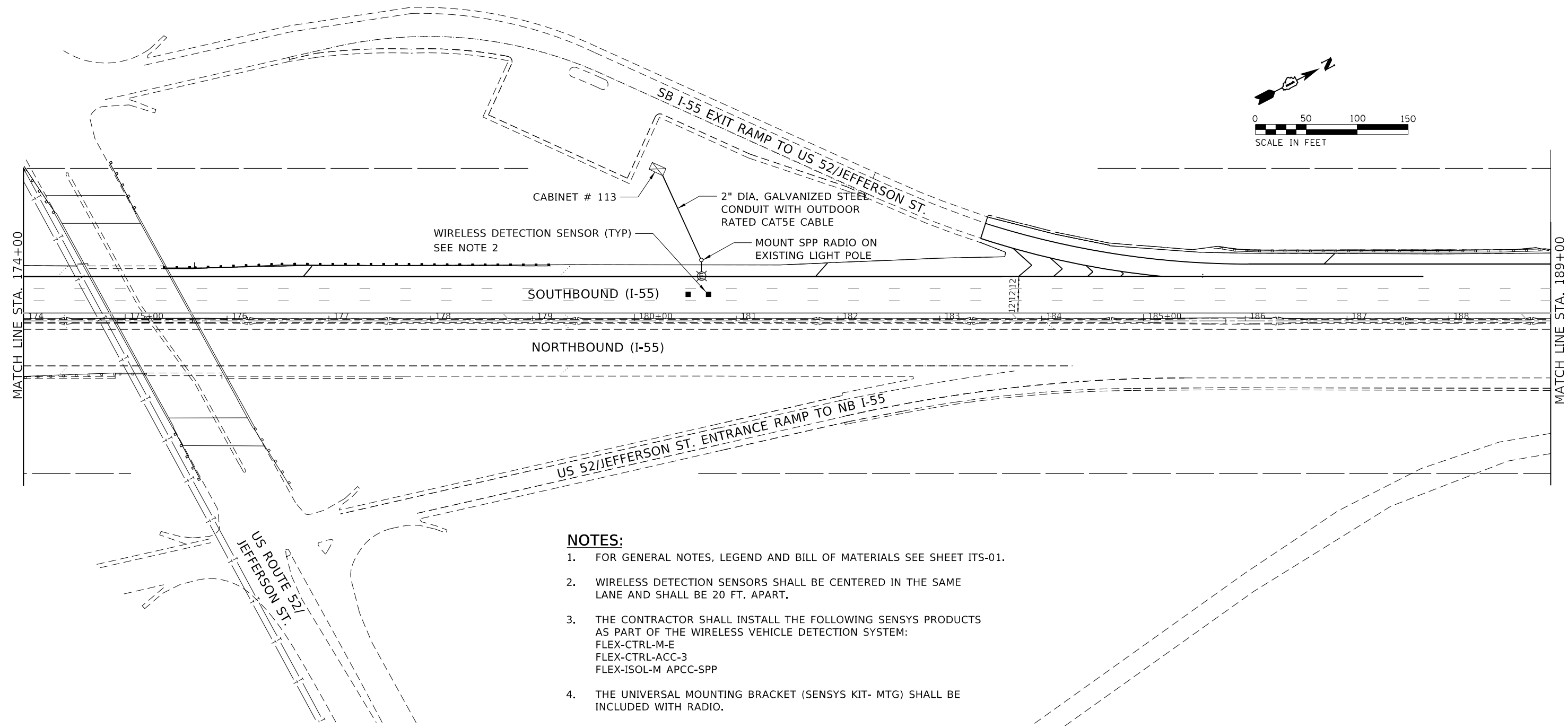
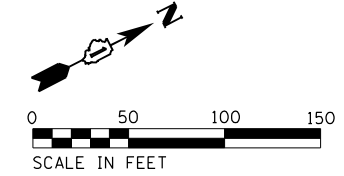
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PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: 1"=50'    SHEET 6 OF 27 SHEETS    STA. 159+00 TO STA. 174+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	127
				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
 FLEX-CTRL-M-E  
 FLEX-CTRL-ACC-3  
 FLEX-ISOL-M APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO.

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 Downers Grove, IL 60515

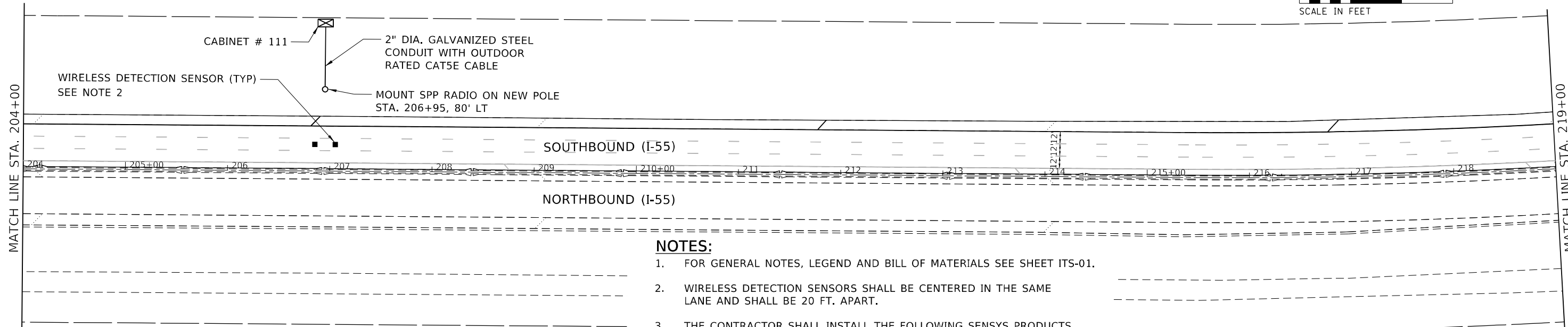
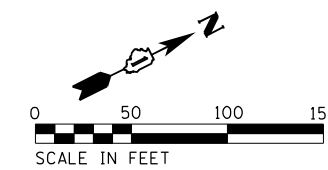
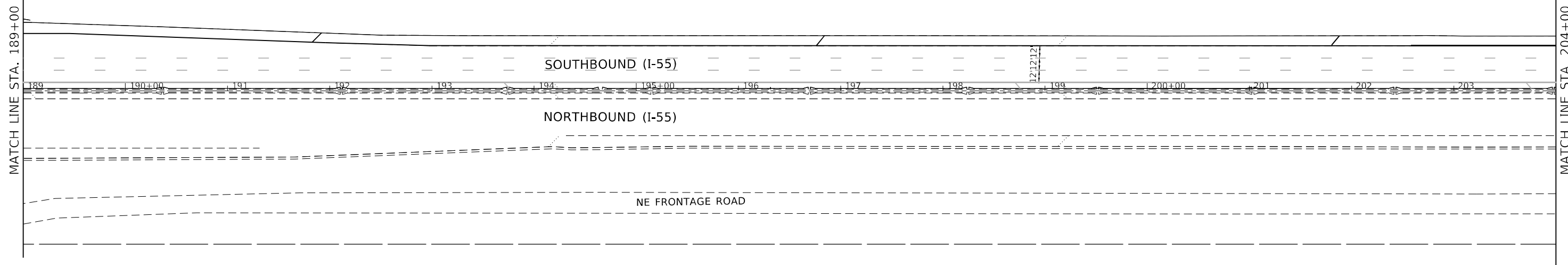
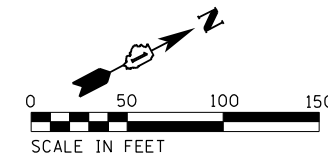
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	DATE - 06-24-2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**  
 SCALE: 1"=50'    SHEET 7 OF 27 SHEETS    STA. 174+00 TO STA. 189+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	128
				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				

ITS-08



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
 FLEX-CTRL-M-E  
 FLEX-CTRL-ACC-3  
 FLEX-ISOL-M APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO.

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**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

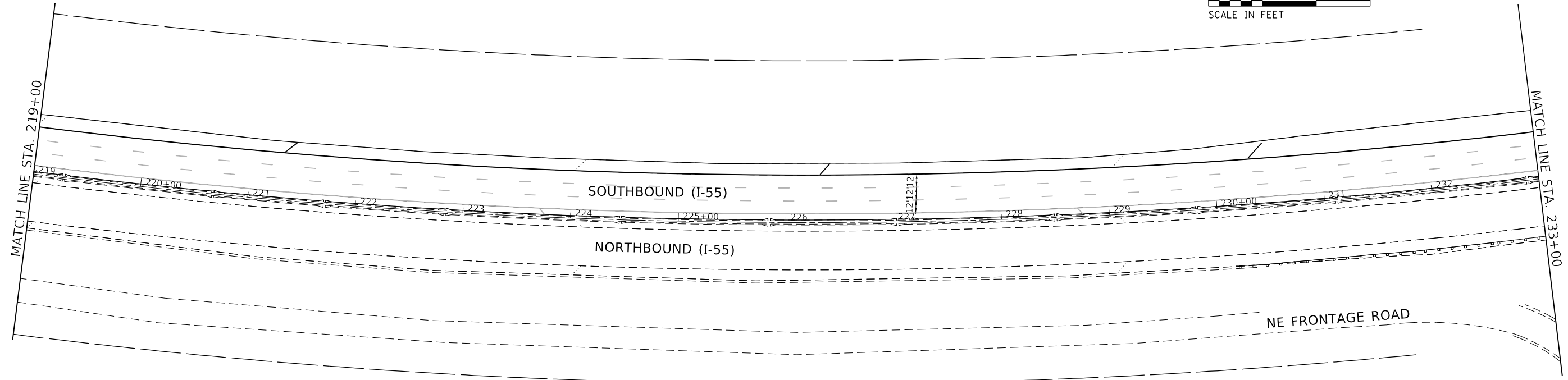
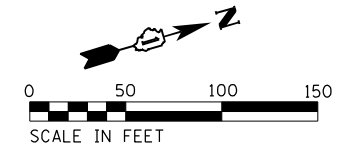
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PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ITS SURVEILLANCE PLAN</b> <b>SB I-55 (SOUTH OF I-80 TO WEBER ROAD)</b>	
SCALE: 1"=50'	SHEET 8 OF 27 SHEETS
STA. 189+00	TO STA. 219+00

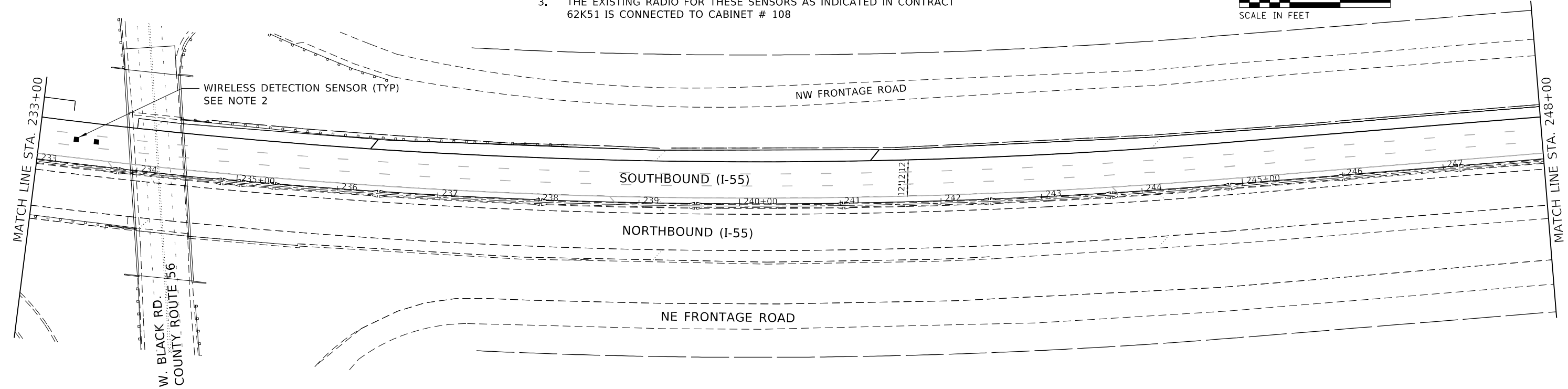
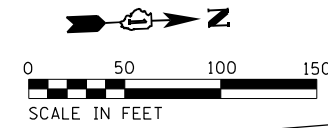
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	129
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				

ITS-09



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE EXISTING RADIO FOR THESE SENSORS AS INDICATED IN CONTRACT 62K51 IS CONNECTED TO CABINET # 108



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 Downers Grove, IL 60515

USER NAME = Srahman  
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 DATE - 06-24-2021

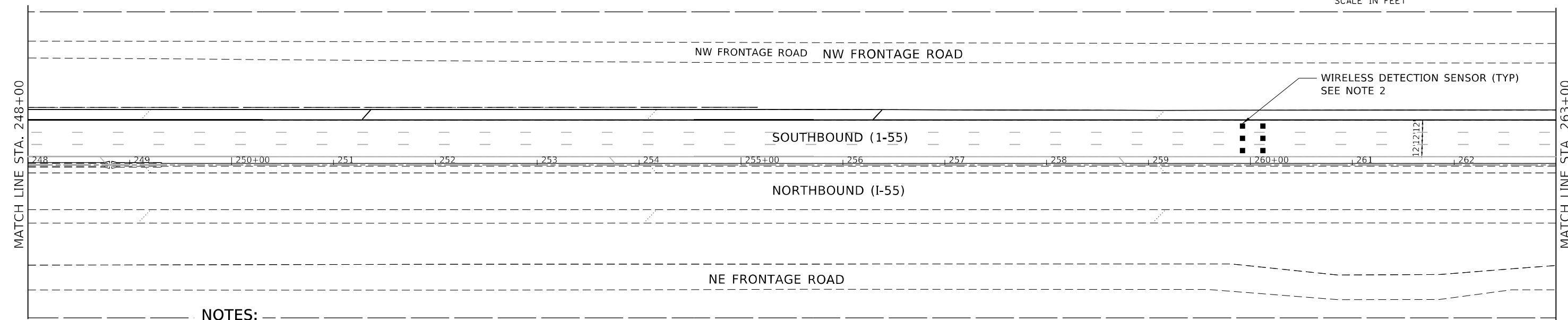
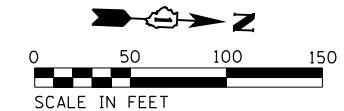
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**  
 SCALE: 1"=50'  
 SHEET 9 OF 27 SHEETS  
 STA. 219+00 TO STA. 248+00

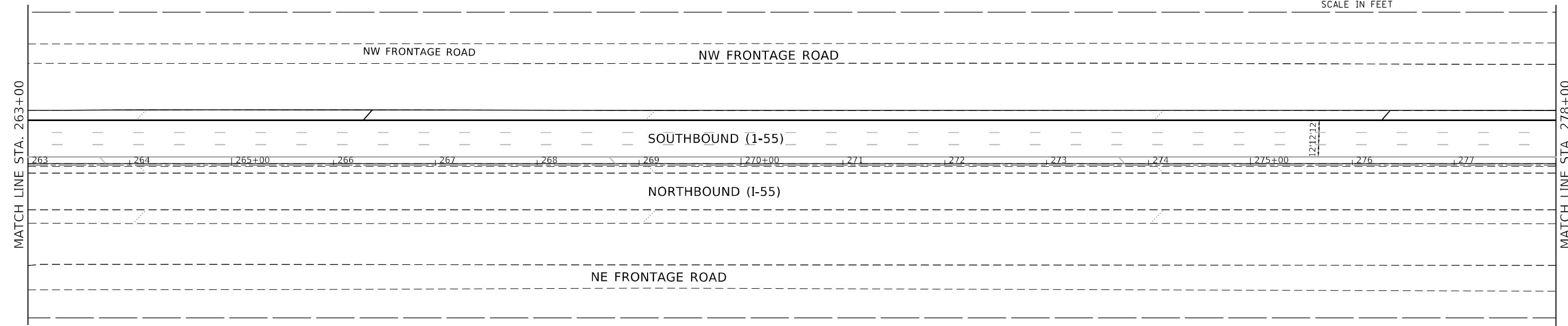
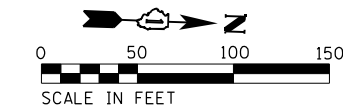
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	130
			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				

ITS-10



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE RADIO SHALL BE INSTALLED IN CONTRACT 62K51, CONNECTED TO CABINET # 106



MODEL: D:\p1\itc\1059\1059.dwg V:\Gnet\1059\1059.dwg #15B - 62K30\Design\Sheet\1134\2021\chc\chc11a.dgn

ITS-11

**AMES Engineering, Inc.**  
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6330 Belmont Road, Suite 4B  
Downers Grove, IL 60515

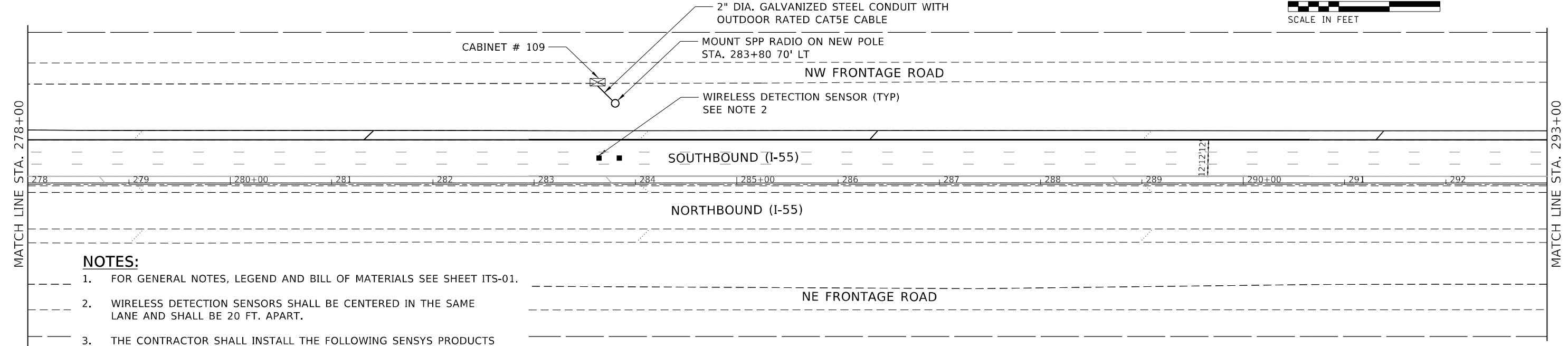
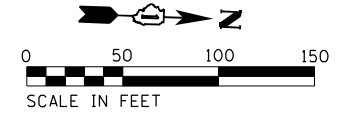
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PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN  
SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

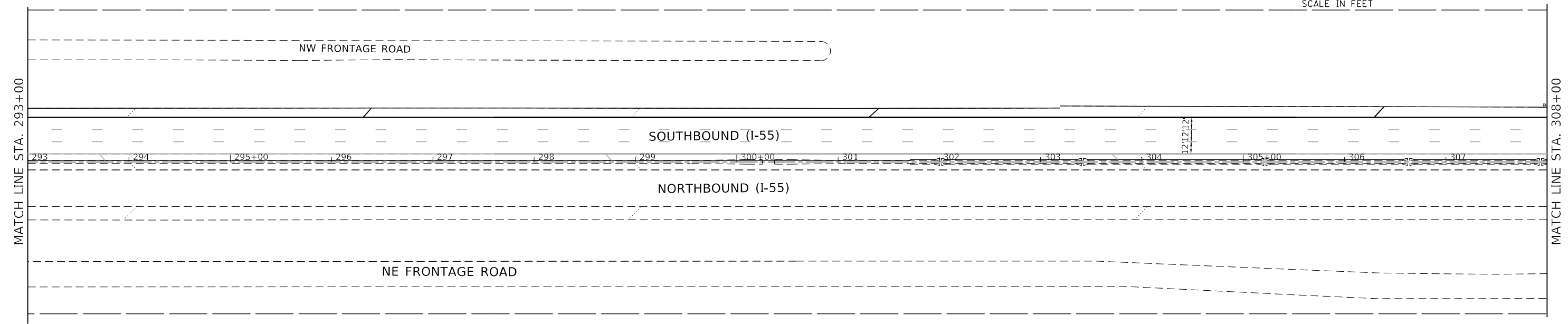
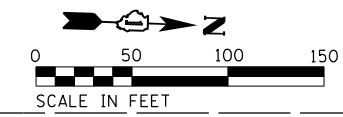
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	131
CONTRACT NO. 62K30				
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
 FLEX-CTRL-M-E  
 FLEX-CTRL-ACC-3  
 FLEX-ISOL-M APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO.



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**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

USER NAME = Grahman	DESIGNED - BL/MS	REVISED -
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PLOT DATE = 6/24/2021		

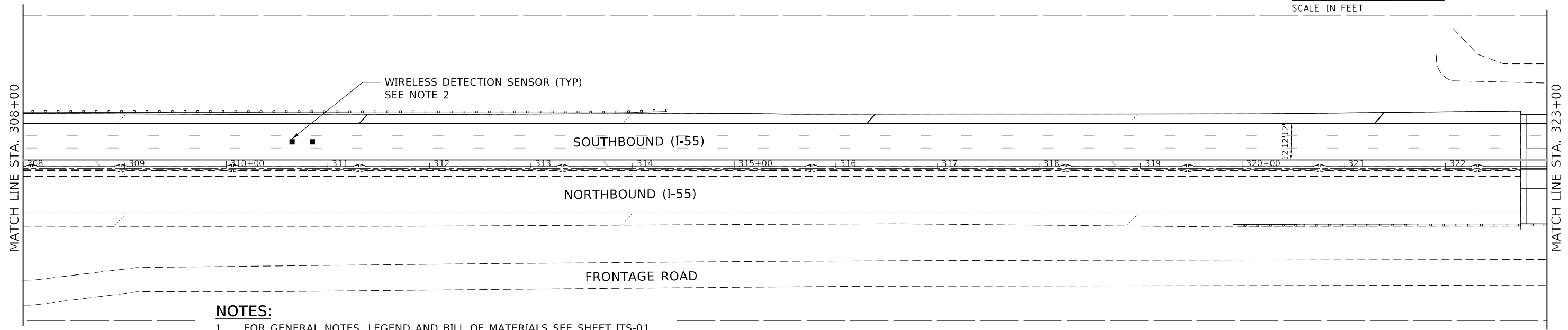
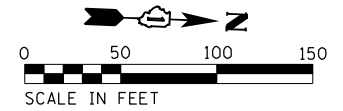
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: 1"=50'    SHEET 11 OF 27 SHEETS    STA. 278+00 TO STA. 308+00

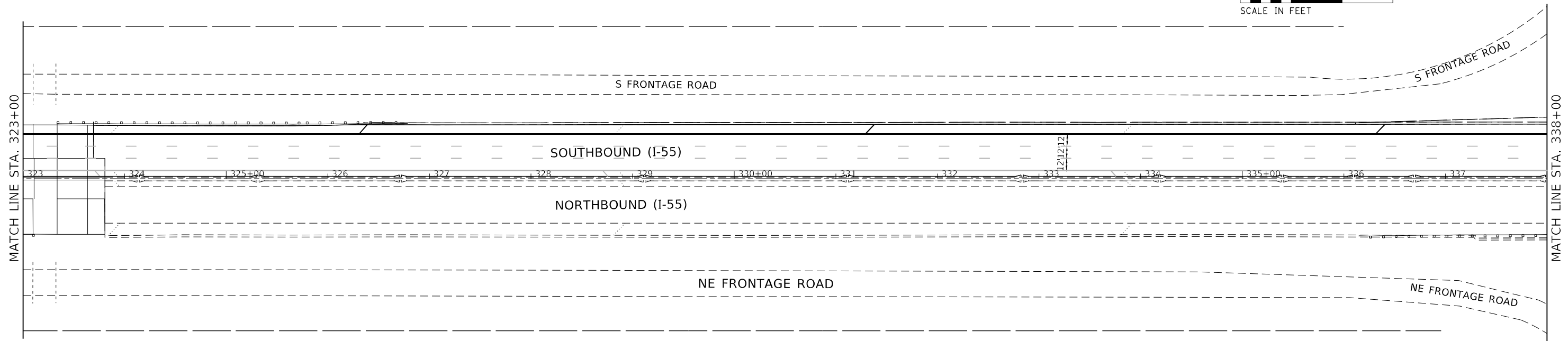
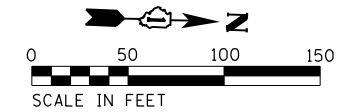
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	132
				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				





**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE EXISTING RADIO FOR THESE SENSORS AS INDICATED IN CONTRACT 62K51 IS CONNECTED TO CABINET # 104



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**AMES Engineering, Inc.**  
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 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

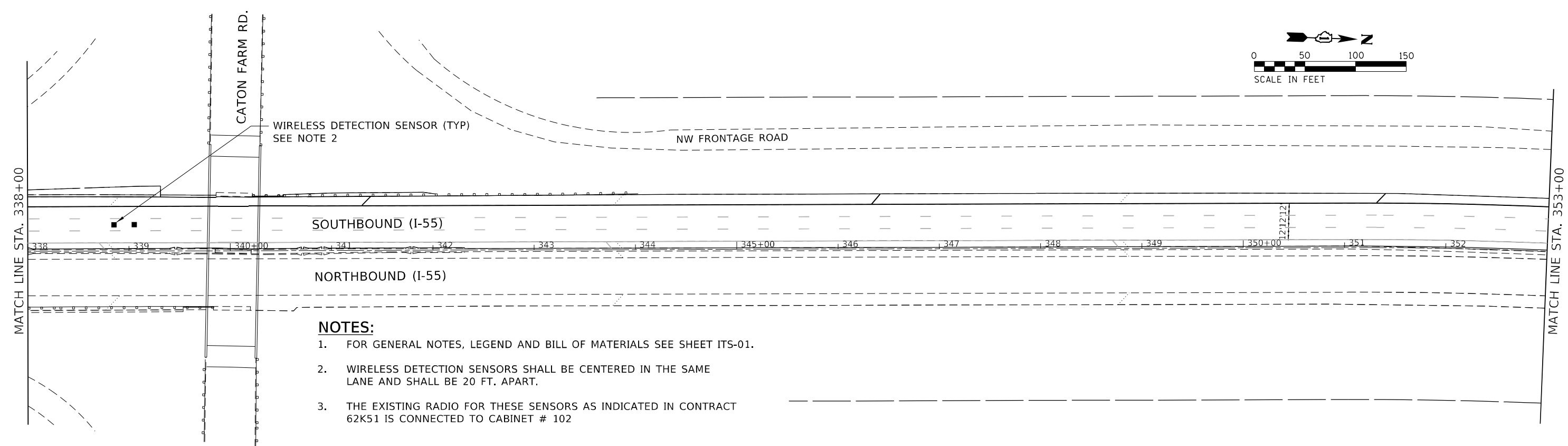
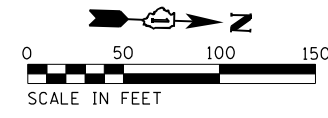
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

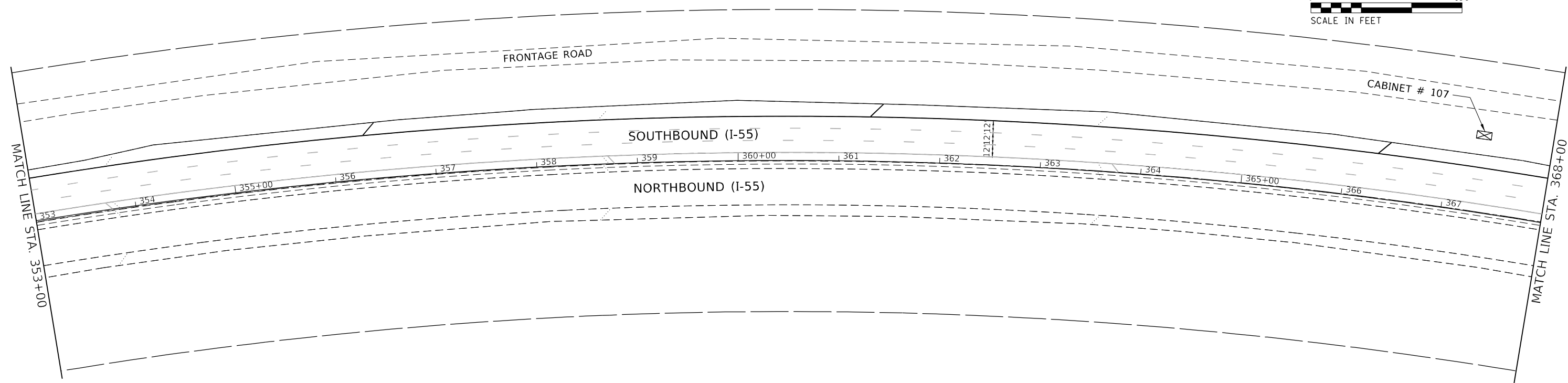
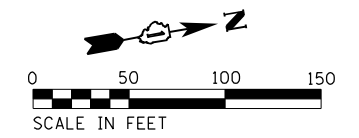
<b>ITS SURVEILLANCE PLAN</b>			
<b>SB I-55 (SOUTH OF I-80 TO WEBER ROAD)</b>			
SCALE: 1"=50'	SHEET 12 OF 27 SHEETS	STA. 308+00	TO STA. 338+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	133
				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				

ITS-13



- NOTES:**
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  3. THE EXISTING RADIO FOR THESE SENSORS AS INDICATED IN CONTRACT 62K51 IS CONNECTED TO CABINET # 102



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 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

USER NAME =	Srahman
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PLOT DATE =	6/24/2021

DESIGNED -	BL/MS
DRAWN -	SR
CHECKED -	MH
DATE -	06-24-2021

REVISED -	
REVISED -	
REVISED -	
REVISED -	

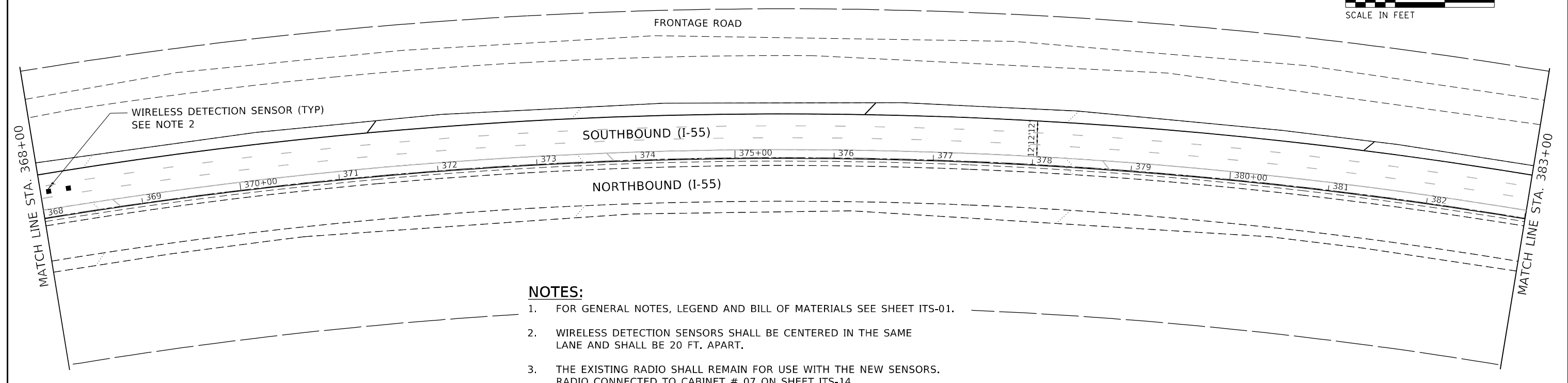
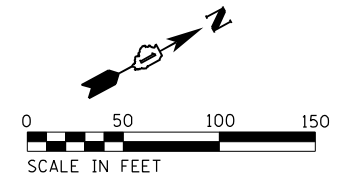
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

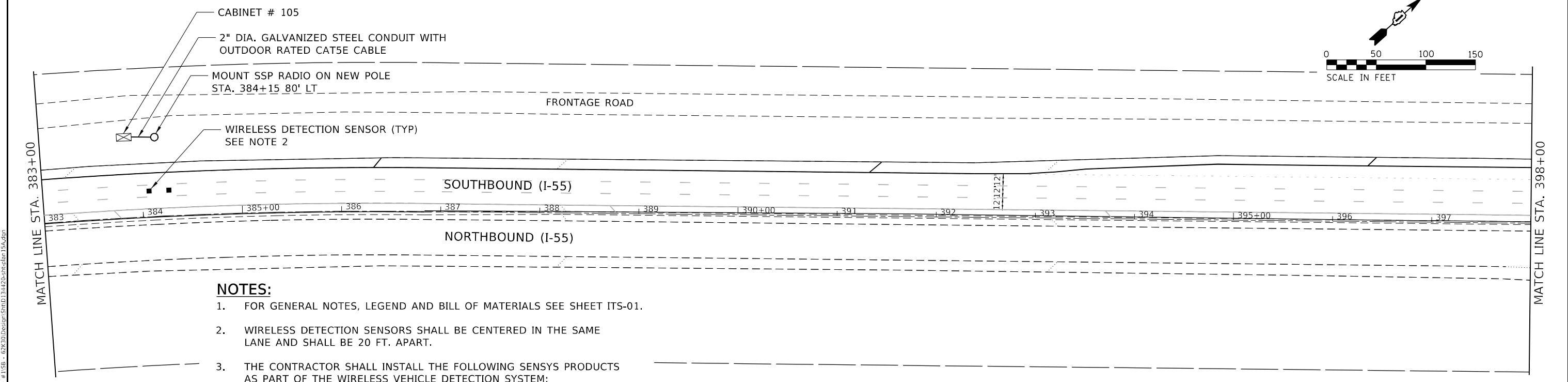
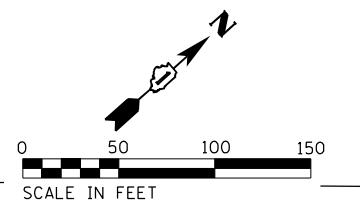
SCALE: 1"=50'    SHEET 13 OF 27 SHEETS    STA. 338+00 TO STA. 368+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	134
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K30	

ITS-14



- NOTES:**
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  3. THE EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS. RADIO CONNECTED TO CABINET # 07 ON SHEET ITS-14



- NOTES:**
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
FLEX-CTRL-M-E  
FLEX-CTRL-ACC-3  
FLEX-ISOL-M APCC-SPP
  4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO.

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**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

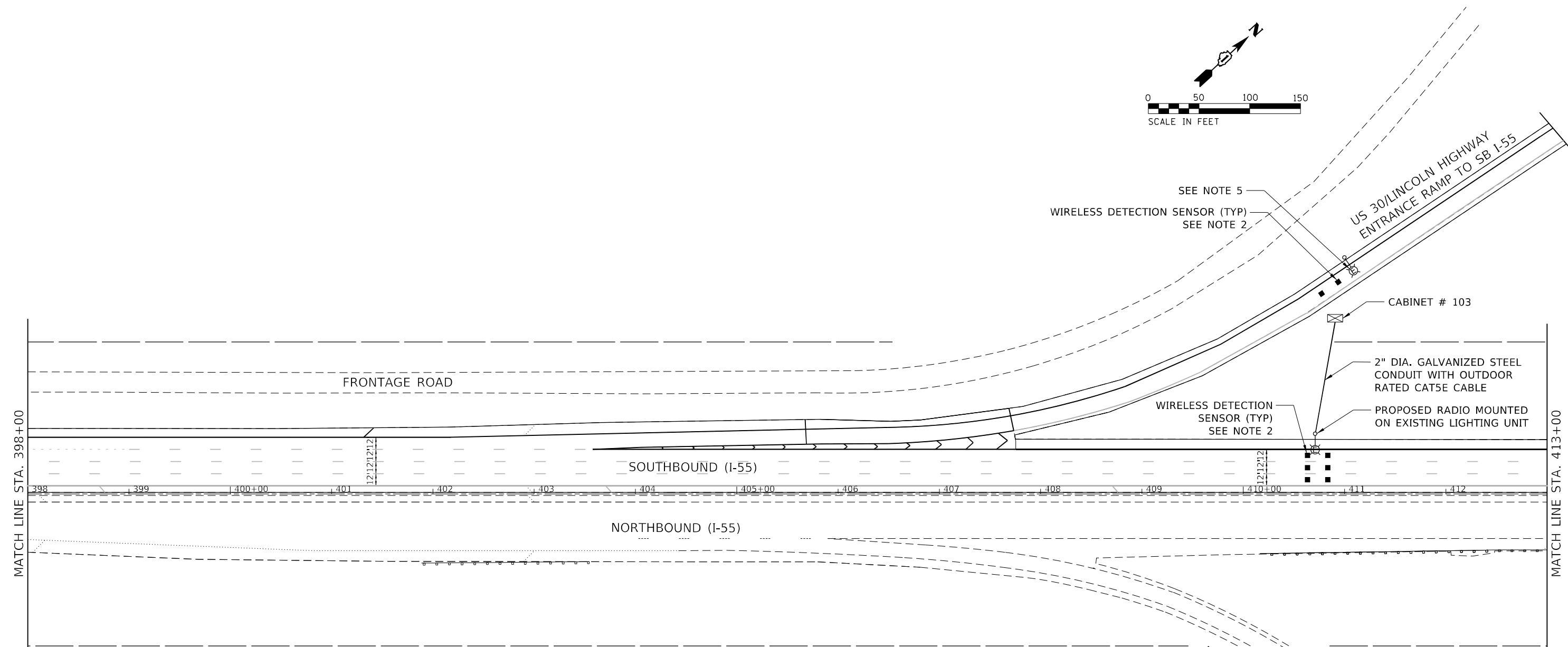
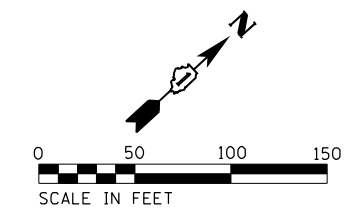
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PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ITS SURVEILLANCE PLAN</b>	
<b>SB I-55 (SOUTH OF I-80 TO WEBER ROAD)</b>	
SCALE: 1"=50'	SHEET 14 OF 27 SHEETS
STA. 368+00	TO STA. 398+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	135
			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				

ITS-15



- NOTES:**
- FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  - WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  - THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
FLEX-CTRL-M-E  
FLEX-CTRL-ACC-3  
FLEX-ISOL-M APCC-SPP
  - THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO AND REPEATER.
  - A SOLAR REPEATER SHALL BE INSTALLED ON EXISTING LIGHTING UNIT. THE REPEATER SHALL BE SENSYS FLEX-RPT3-SLR.

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 CONSULTING ENGINEERS  
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 Downers Grove, IL 60515

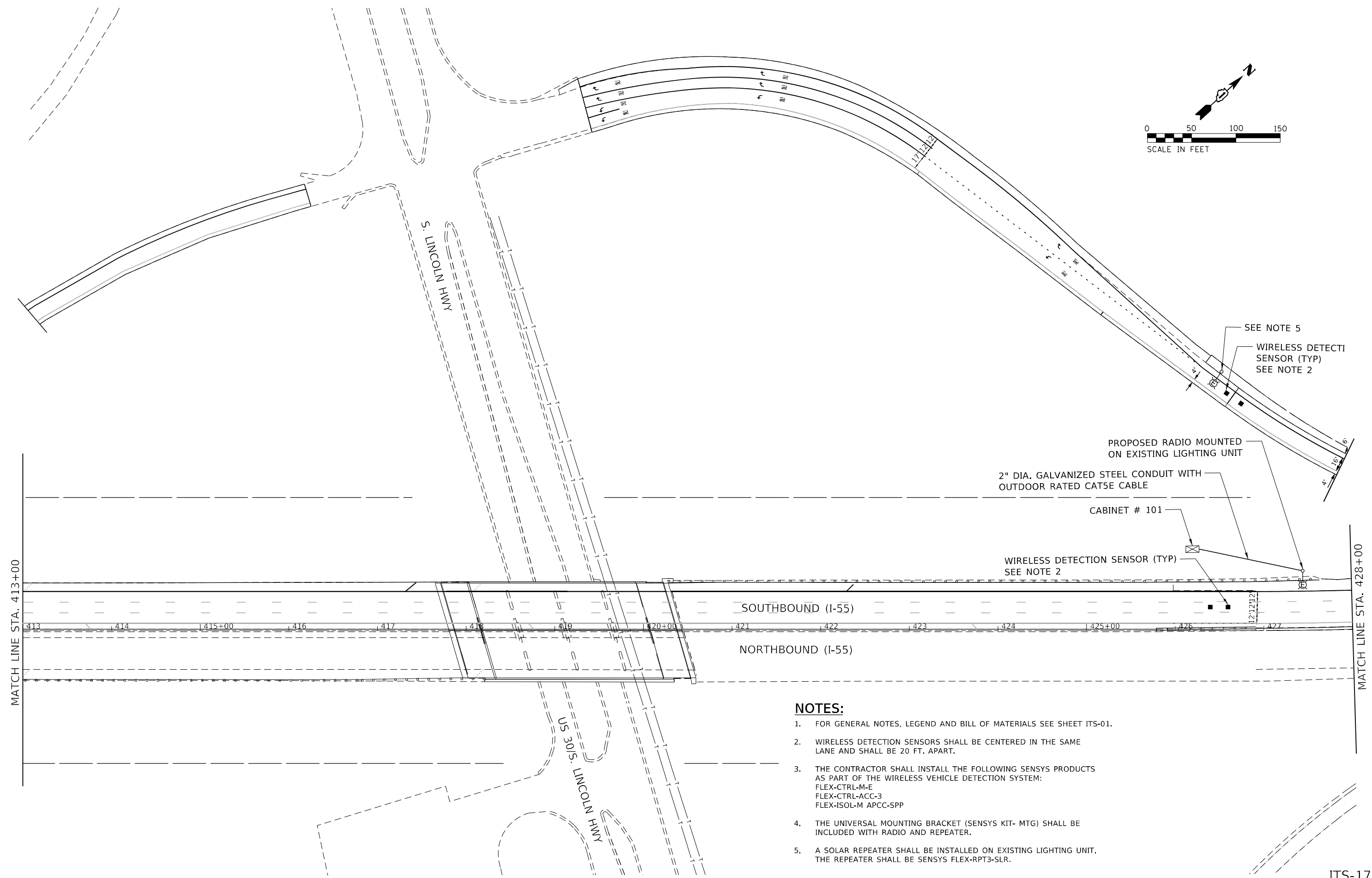
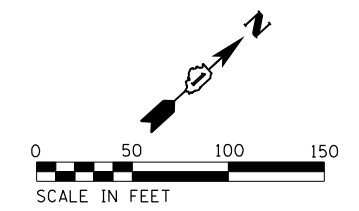
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PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: 1"=50'    SHEET 15 OF 27 SHEETS    STA. 398+00 TO STA. 413+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	136
CONTRACT NO. 62K30			ILLINOIS FED. AID PROJECT	



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
 FLEX-CTRL-M-E  
 FLEX-CTRL-ACC-3  
 FLEX-ISOL-M APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO AND REPEATER.
5. A SOLAR REPEATER SHALL BE INSTALLED ON EXISTING LIGHTING UNIT. THE REPEATER SHALL BE SENSYS FLEX-RPT3-SLR.

ITS-17

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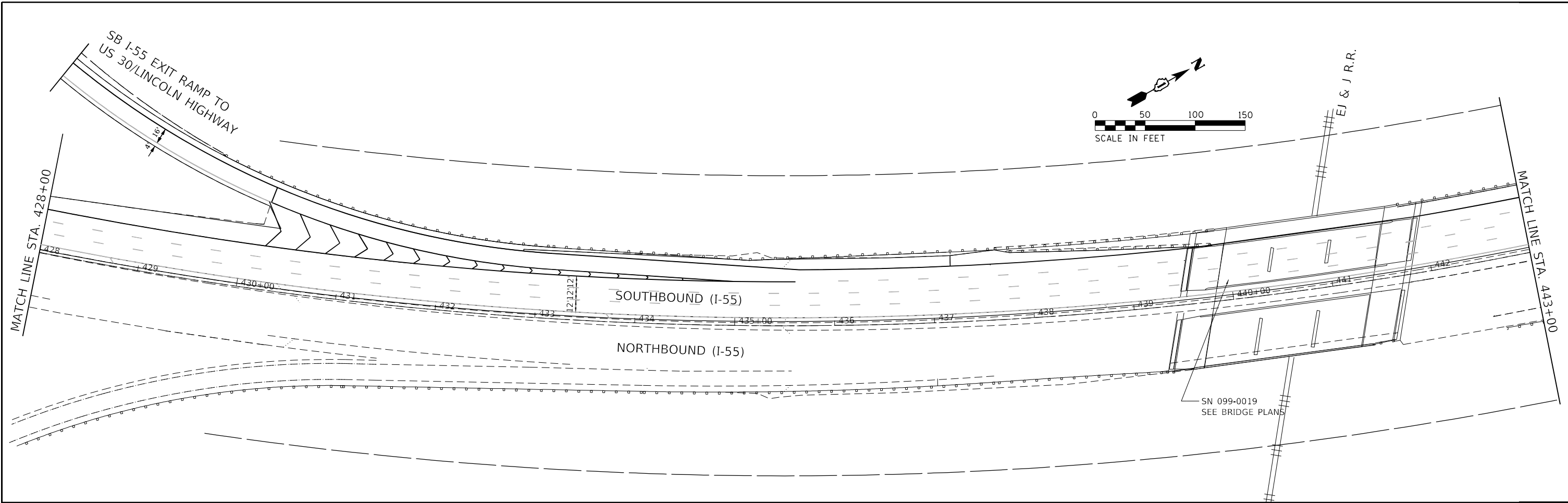
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PLOT SCALE = 100,0000' / in.	DATE - 06-24-2021	REVISED -
PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN  
 SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

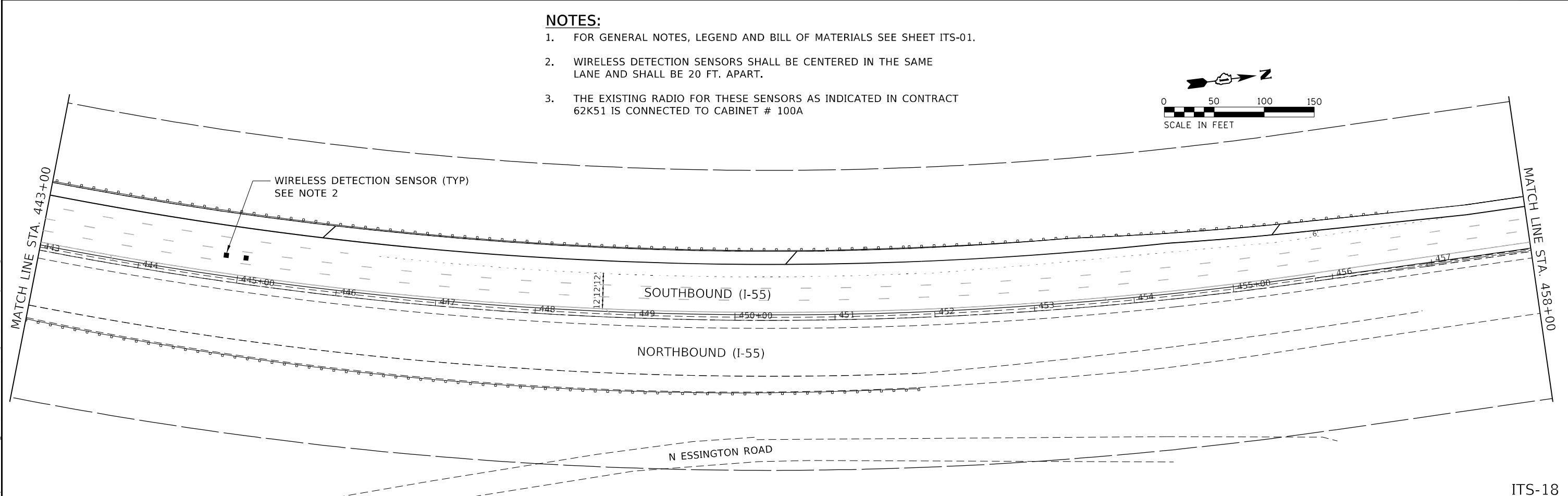
SCALE: 1"=50'    SHEET 16 OF 27 SHEETS    STA. 413+00 TO STA. 428+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	137
			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE EXISTING RADIO FOR THESE SENSORS AS INDICATED IN CONTRACT 62K51 IS CONNECTED TO CABINET # 100A



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 USER: Srahman

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 Downers Grove, IL 60515

USER NAME = Srahman  
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 PLOT DATE = 6/24/2021

DESIGNED - BL/MS  
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 CHECKED - MH  
 DATE - 06-24-2021

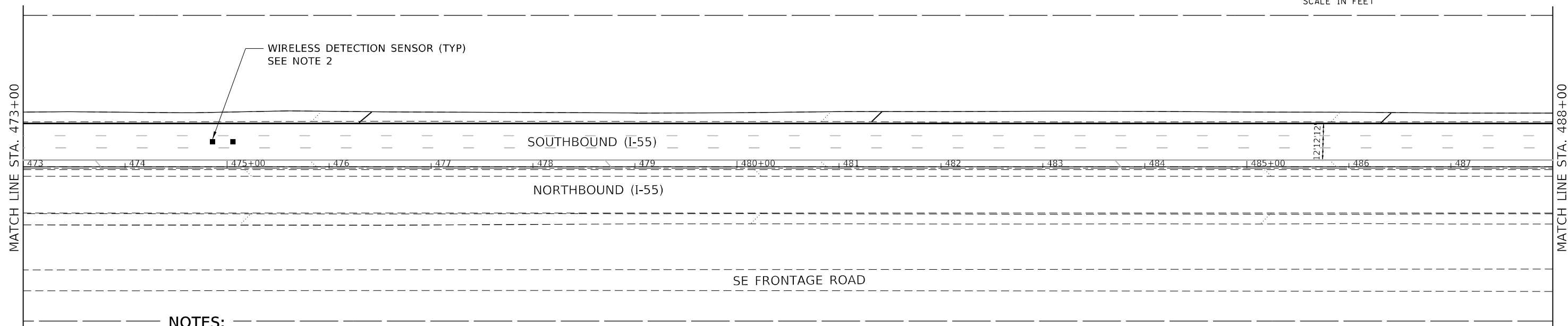
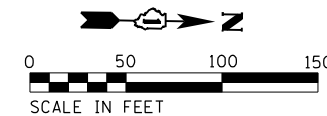
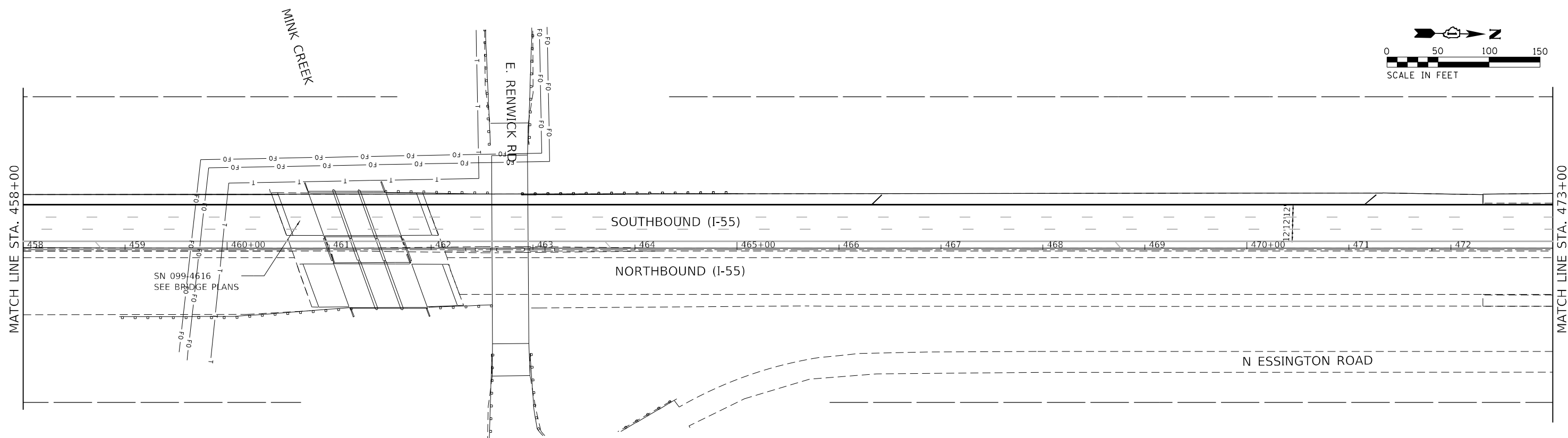
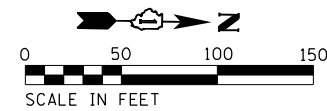
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**  
 SCALE: 1"=50'  
 SHEET 17 OF 27 SHEETS  
 STA. 428+00 TO STA. 458+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	138
				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				

ITS-18



- NOTES:**
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  3. THE RADIO SHALL BE INSTALLED IN CONTRACT 62K51, CONNECTED TO CABINET # 100

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 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

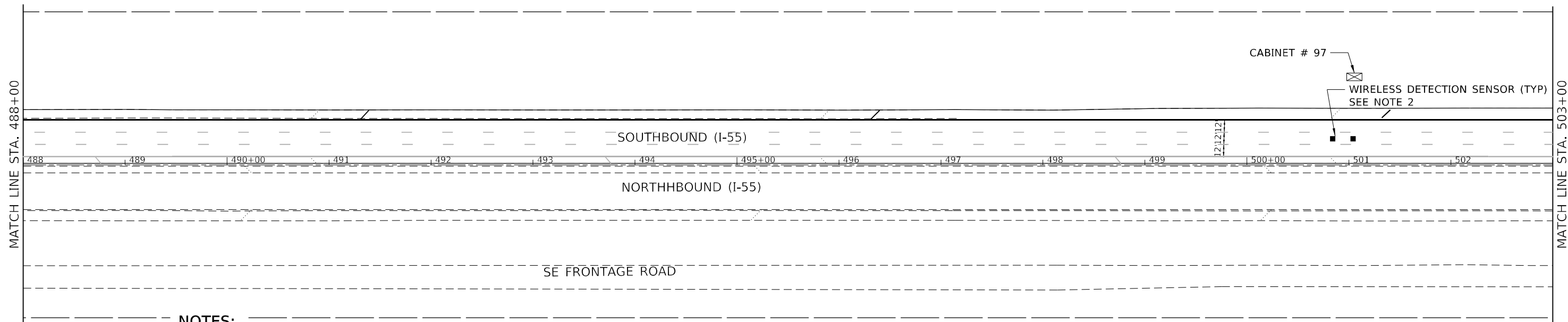
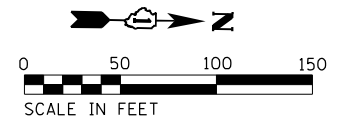
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	DATE - 06-24-2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ITS SURVEILLANCE PLAN</b> <b>SB I-55 (SOUTH OF I-80 TO WEBER ROAD)</b>			
SCALE: 1"=50'	SHEET 18 OF 27 SHEETS	STA. 458+00	TO STA. 488+00

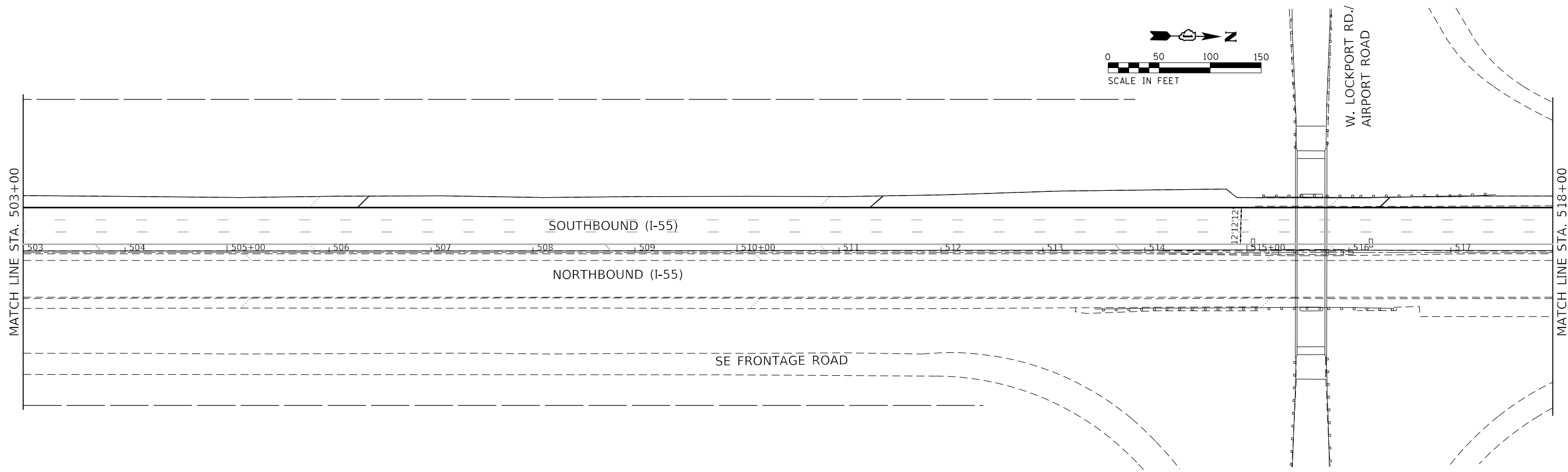
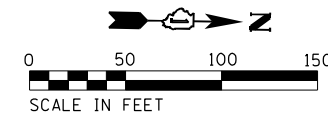
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	139
			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				

ITS-19



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.



ITS-20

MODEL: D:\p\h\l... FILE NAME: E:\projects\1059\1059\_V01\_Corridor\1059\_V01\_Corridor.dgn

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Downers Grove, IL 60515

USER NAME = Srahman	DESIGNED - BL/MS	REVISED -
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PLOT DATE = 6/24/2021		

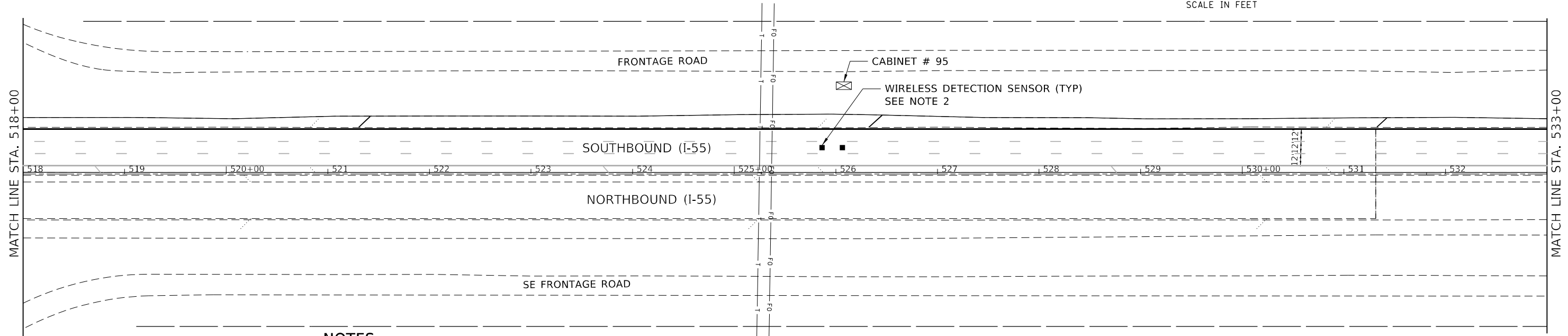
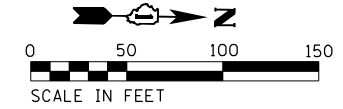
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN  
SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

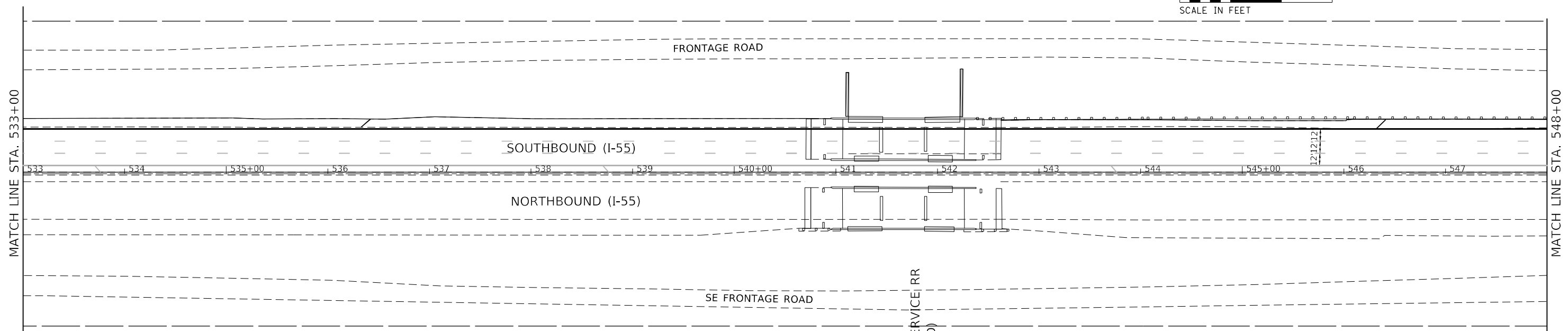
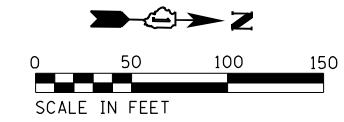
SCALE: 1"=50'    SHEET 19 OF 27 SHEETS    STA. 488+00 TO STA. 518+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	140
				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				





- NOTES:**
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  3. THE EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.



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Downers Grove, IL 60515

USER NAME = Srahman	DESIGNED - BL/MS	REVISED -
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PLOT DATE = 6/24/2021		

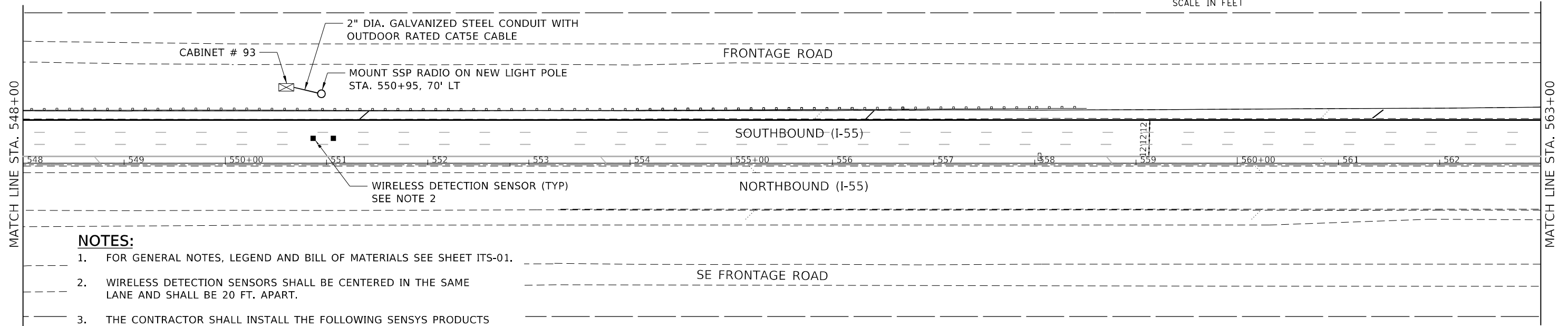
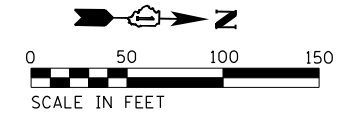
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN  
SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

SCALE: 1"=50'    SHEET 20 OF 27 SHEETS    STA. 518+00 TO STA. 548+00

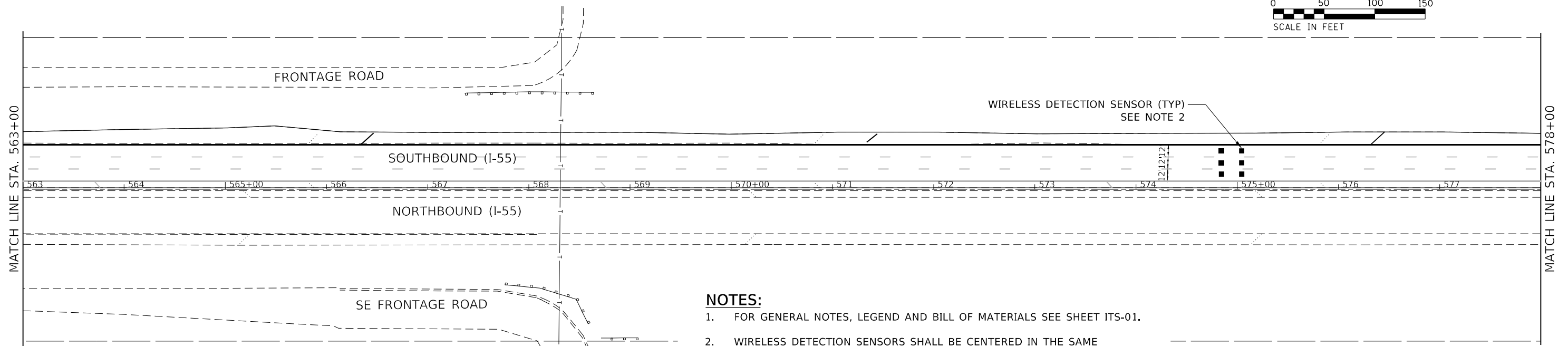
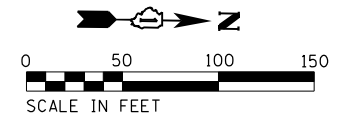
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	141
				CONTRACT NO. 62K30
ILLINOIS FED. AID PROJECT				

ITS-21



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
 FLEX-CTRL-M-E  
 FLEX-CTRL-ACC-3  
 FLEX-ISOL-M APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO.



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE RADIO SHALL BE INSTALLED IN CONTRACT 62K51, CONNECTED TO CABINET # 98

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 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

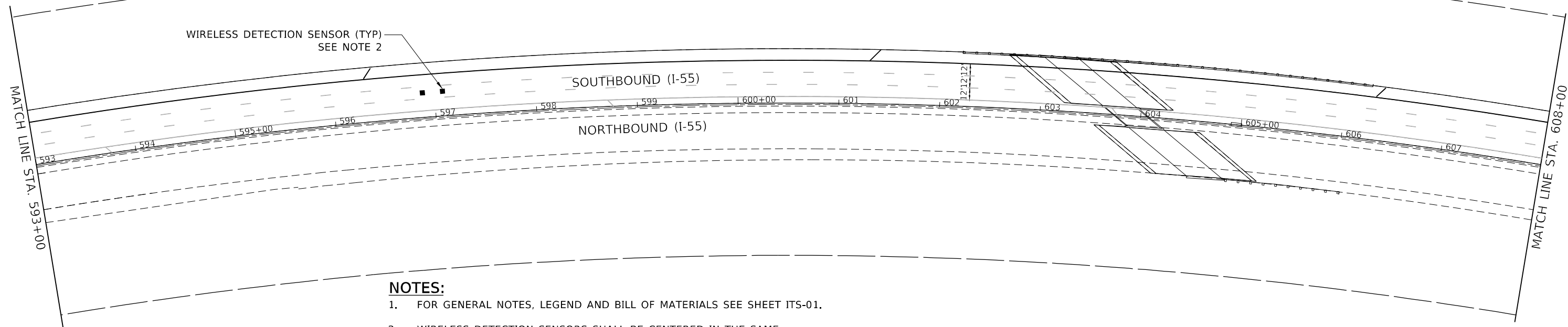
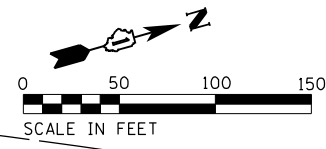
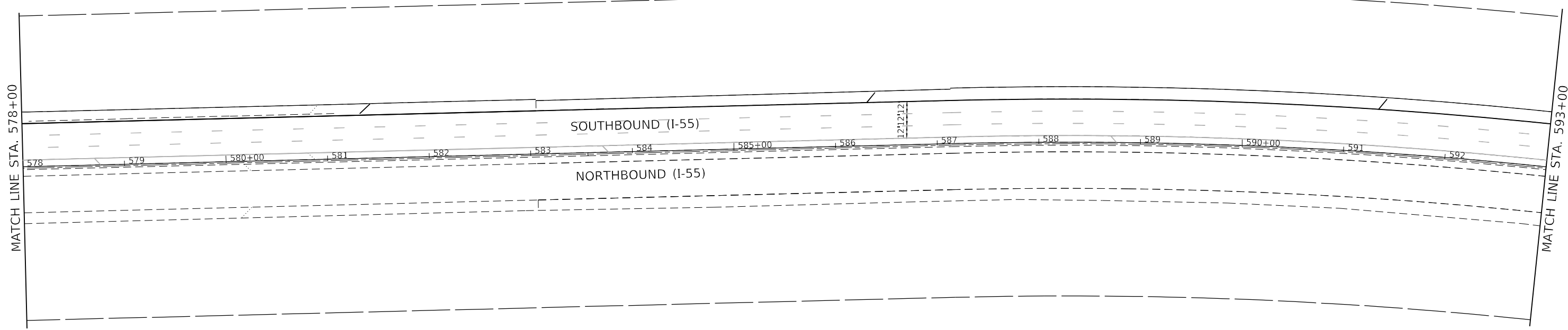
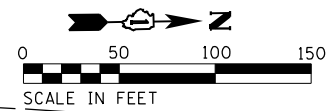
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PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ITS SURVEILLANCE PLAN</b>	
<b>SB I-55 (SOUTH OF I-80 TO WEBER ROAD)</b>	
SCALE: 1"=50'	SHEET 21 OF 27 SHEETS
STA. 548+00	TO STA. 578+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	142
			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				

ITS-22



- NOTES:**
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  3. THE RADIO SHALL BE INSTALLED IN CONTRACT 62K51, CONNECTED TO CABINET # 96

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 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

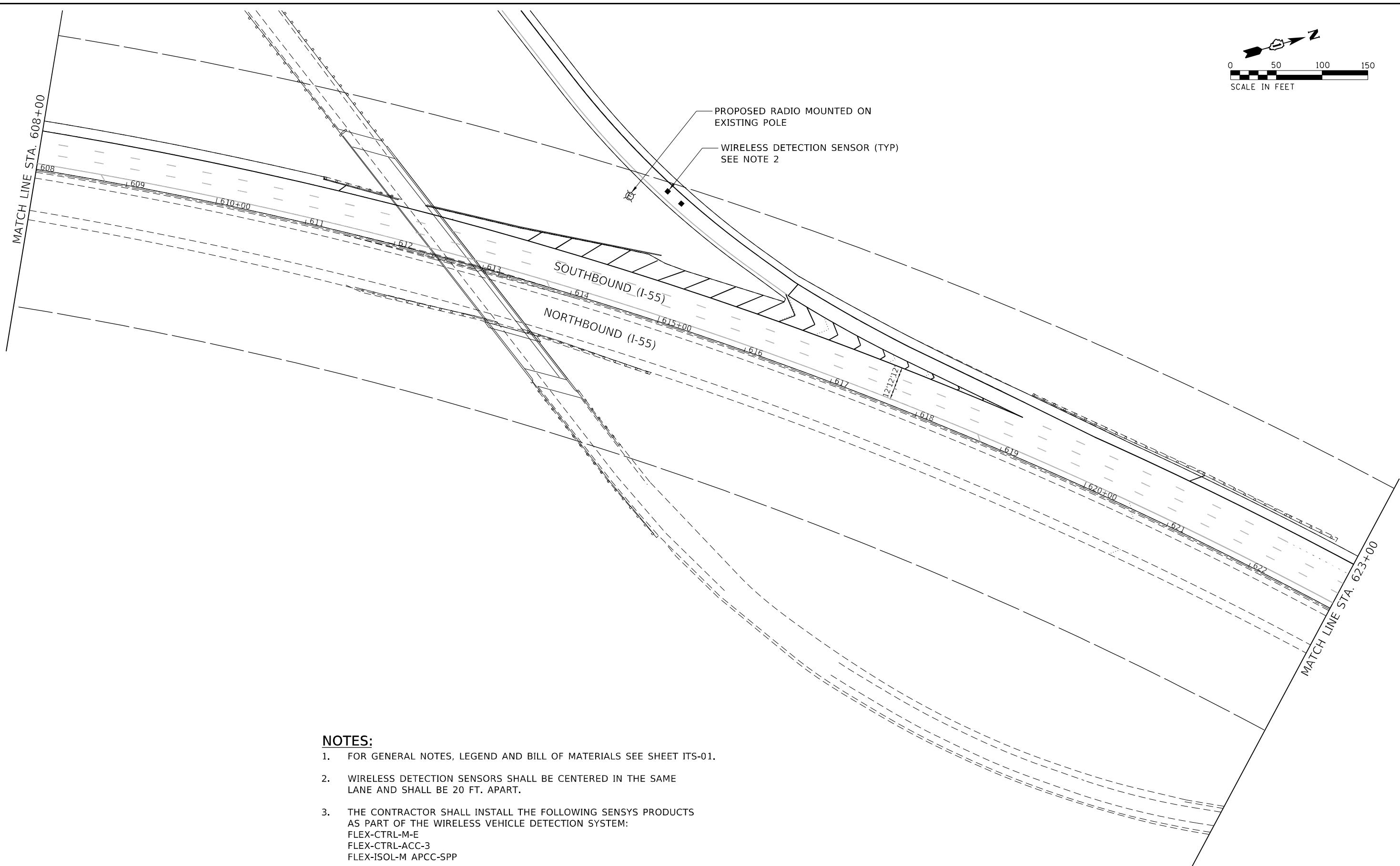
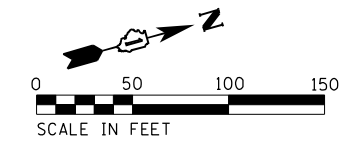
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PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ITS SURVEILLANCE PLAN</b> <b>SB I-55 (SOUTH OF I-80 TO WEBER ROAD)</b>	
SCALE: 1"=50'	SHEET 22 OF 27 SHEETS
STA. 578+00	TO STA. 608+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	143
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62K30	

ITS-23



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
 FLEX-CTRL-M-E  
 FLEX-CTRL-ACC-3  
 FLEX-ISOL-M APCC-SPP
4. THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO.

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 DATE: 6/24/2021

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 Downers Grove, IL 60515

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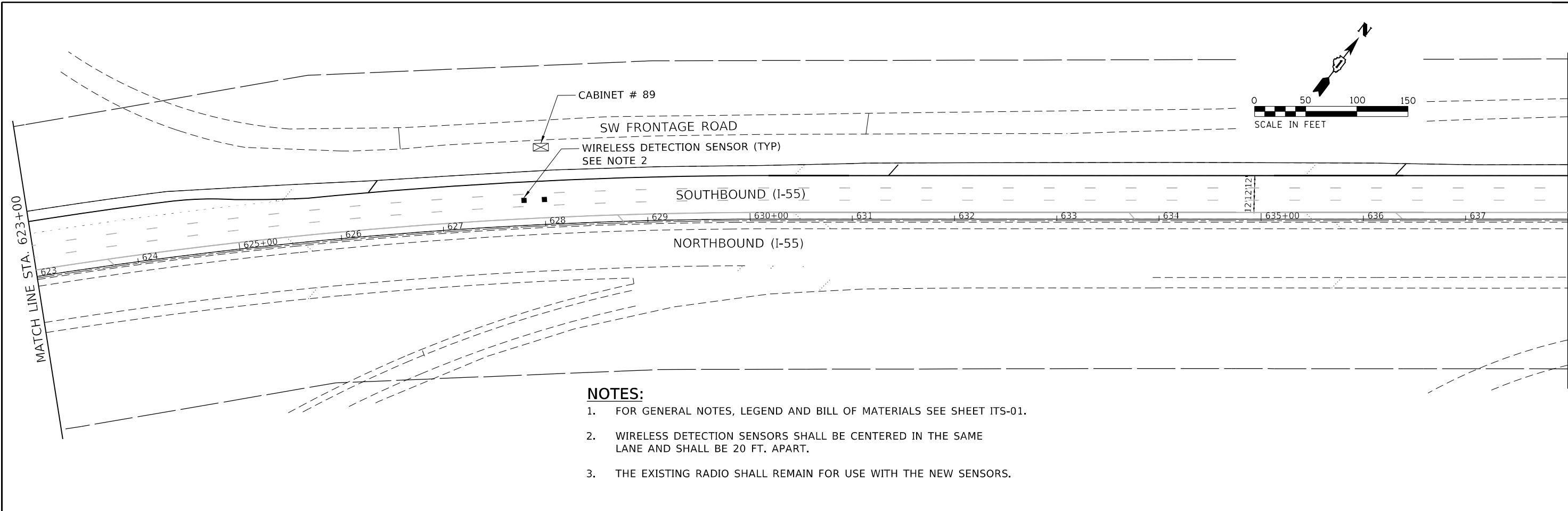
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

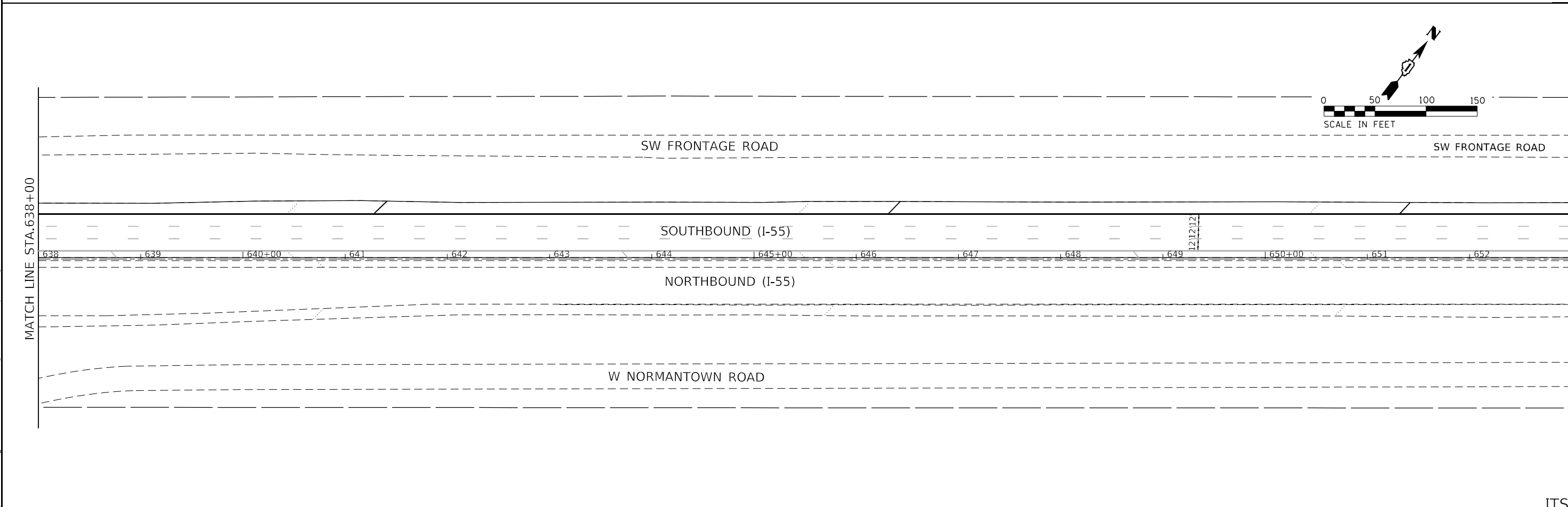
SCALE: 1"=50'  
 SHEET 23 OF 27 SHEETS  
 STA. 608+00 TO STA. 623+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	144
			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				

ITS-24



- NOTES:**
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  3. THE EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.



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 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

USER NAME = Srahman	DESIGNED - BL/MS	REVISED -
DRAWN - SR	DRAWN - SR	REVISED -
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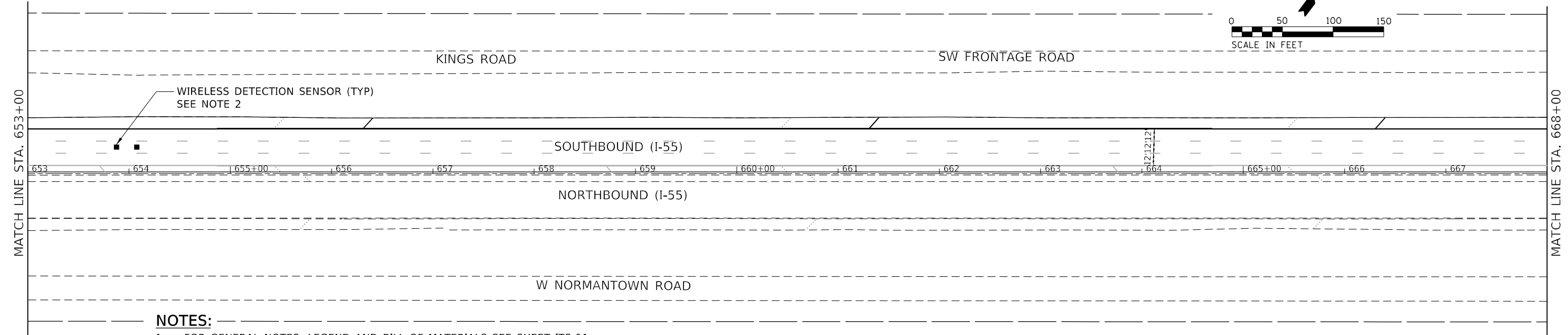
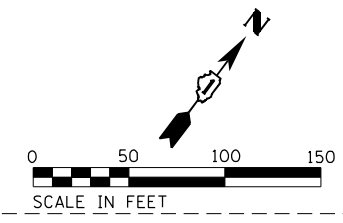
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**

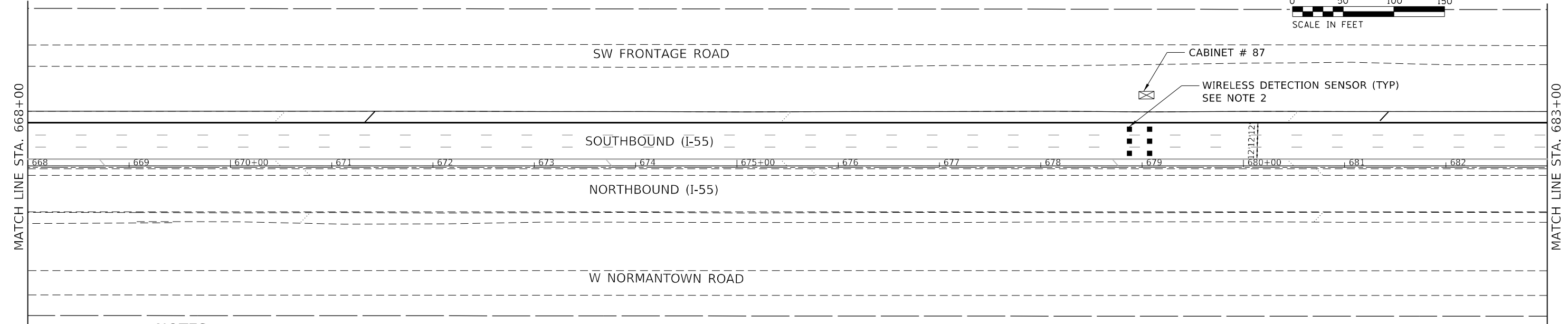
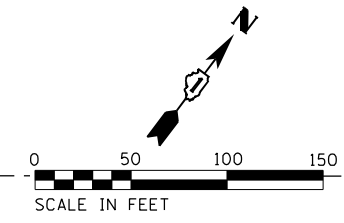
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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	145
			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				

ITS-25



- NOTES:**
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  3. THE EXISTING RADIO FOR THESE SENSORS AS INDICATED IN CONTRACT 62K51 IS CONNECTED TO CABINET # 94



- NOTES:**
1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  3. THE EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.

MODEL: D:\p\h\...  
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**AMES Engineering, Inc.**  
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 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

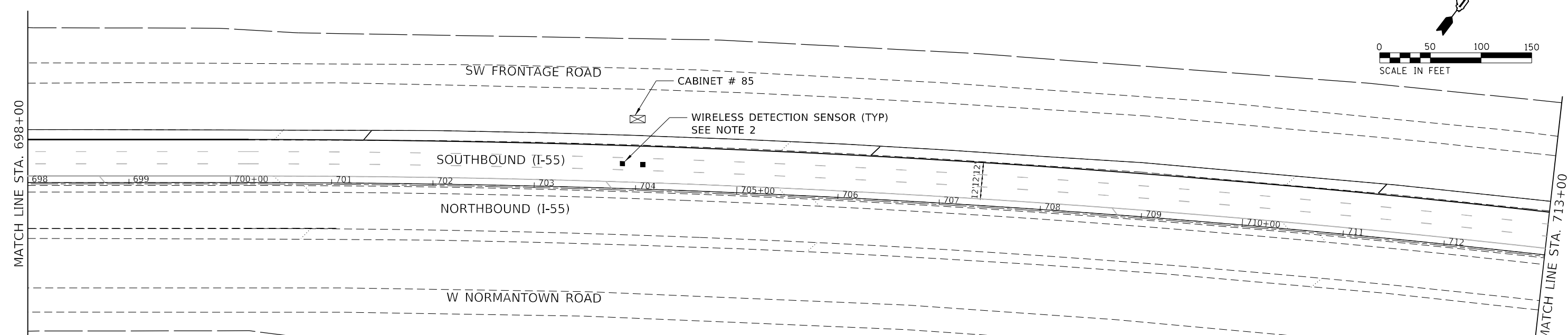
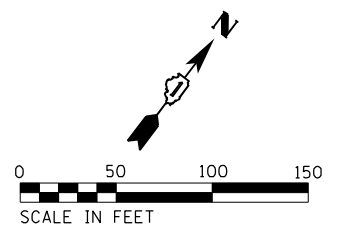
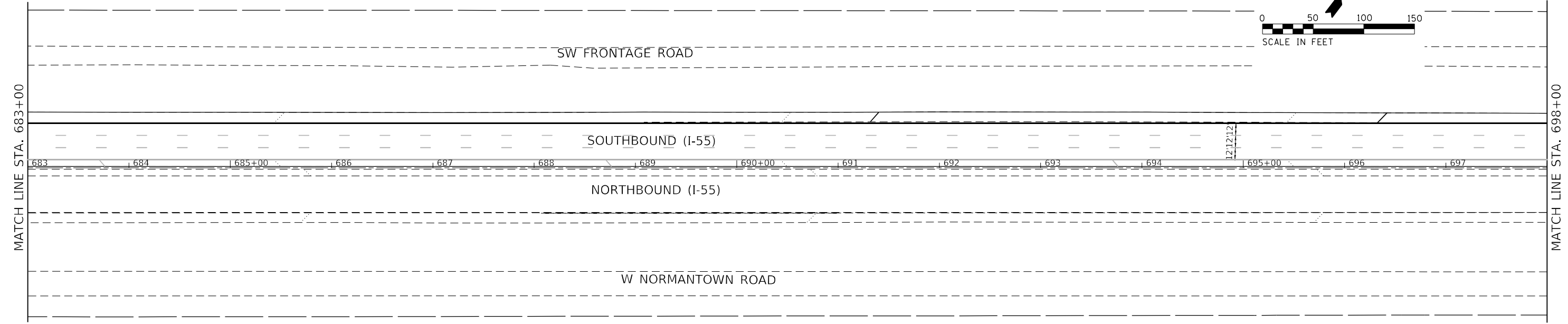
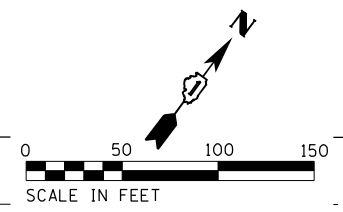
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PLOT DATE = 6/24/2021	CHECKED - MH	REVISED -
	DATE - 06-24-2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**  
 SCALE: 1"=50'    SHEET 25 OF 27 SHEETS    STA. 653+00 TO STA. 683+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	146
			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				

ITS-26



**NOTES:**

1. FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
2. WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
3. THE EXISTING RADIO SHALL REMAIN FOR USE WITH THE NEW SENSORS.

MODEL: D:\p\h\...  
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**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

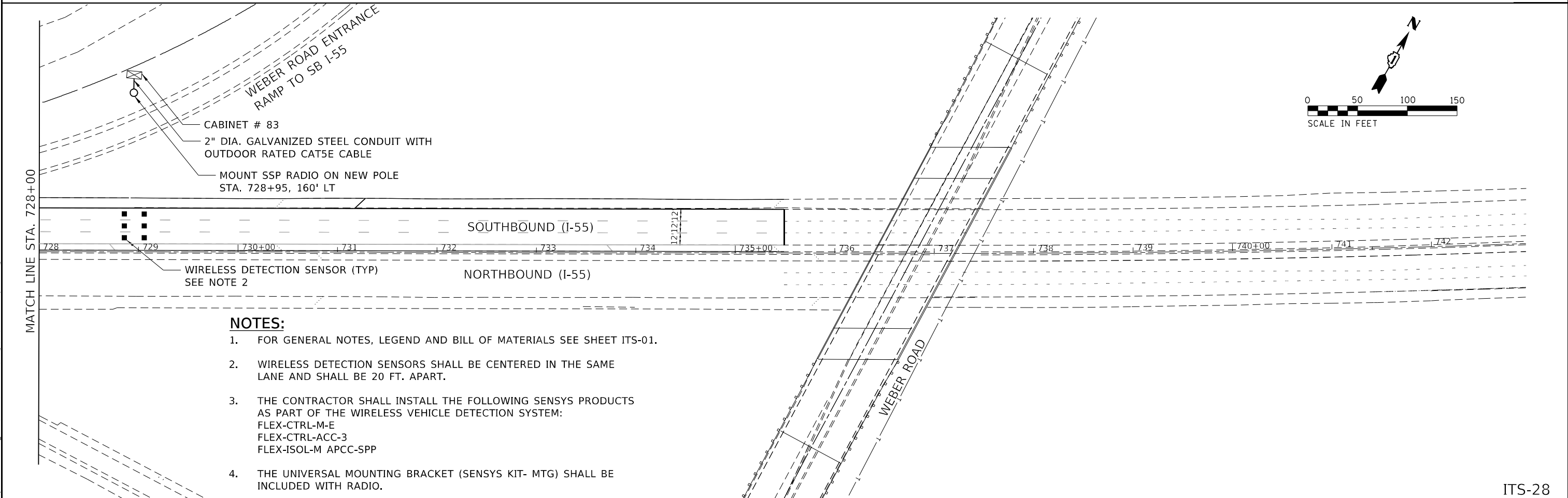
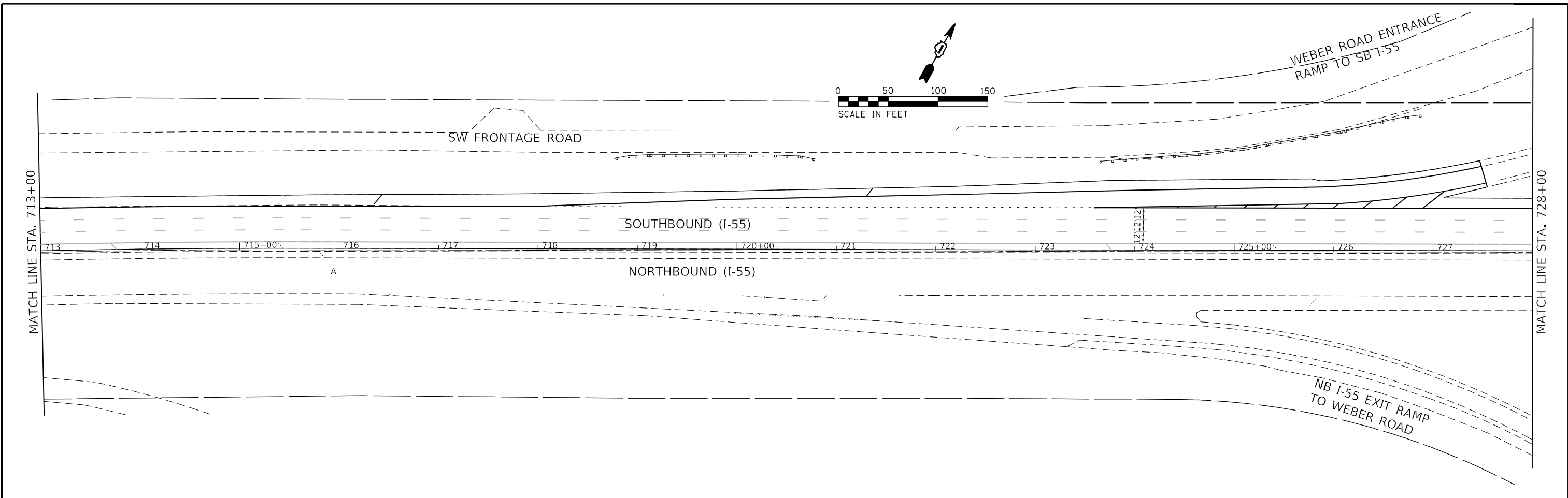
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PLOT DATE = 6/24/2021	DATE - 06-24-2021	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ITS SURVEILLANCE PLAN</b> <b>SB I-55 (SOUTH OF I-80 TO WEBER ROAD)</b>	
SCALE: 1"=50'	SHEET 26 OF 27 SHEETS
STA. 683+00	TO STA. 713+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	147
CONTRACT NO. 62K30			ILLINOIS FED. AID PROJECT	

ITS-27



- NOTES:**
- FOR GENERAL NOTES, LEGEND AND BILL OF MATERIALS SEE SHEET ITS-01.
  - WIRELESS DETECTION SENSORS SHALL BE CENTERED IN THE SAME LANE AND SHALL BE 20 FT. APART.
  - THE CONTRACTOR SHALL INSTALL THE FOLLOWING SENSYS PRODUCTS AS PART OF THE WIRELESS VEHICLE DETECTION SYSTEM:  
 FLEX-CTRL-M-E  
 FLEX-CTRL-ACC-3  
 FLEX-ISOL-M APCC-SPP
  - THE UNIVERSAL MOUNTING BRACKET (SENSYS KIT- MTG) SHALL BE INCLUDED WITH RADIO.

MODEL: D:\p\h\l  
 FILE NAME: E:\projects\1055\work\Genet\1055-62\K30\Design\SR10134\2020\hcb\bar38a.dgn

**AMES Engineering, Inc.**  
 CONSULTING ENGINEERS  
 6330 Belmont Road, Suite 4B  
 Downers Grove, IL 60515

USER NAME = Srahman	DESIGNED - BL/MS	REVISED -
DRAWN - SR	CHECKED - MH	REVISED -
PLOT SCALE = 100,0000' / in.	DATE - 06-24-2021	REVISED -
PLOT DATE = 6/24/2021		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**ITS SURVEILLANCE PLAN**  
**SB I-55 (SOUTH OF I-80 TO WEBER ROAD)**  
 SCALE: 1"=50'    SHEET 27 OF 27 SHEETS    STA. 713+00 TO STA. 742+00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	148
			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				

ITS-28



CAST ALUMINUM POLE CAP WITH 300 SERIES S.S SCREWS

4 1/2" (108) OUTSIDE TOP DIAMETER

30'-0" (9.144 m) POLE SHAFT 8" (203.2) x 4 1/2" (108) O.D.

INTERNAL DAMPER

TAPERED ALUMINUM TUBE  
0.219" (5.56) WALL  
ALLOY 6063-T6 SATIN  
GROUND FINISH 100 GRIT  
OR FINER

1'-6" (457.2)

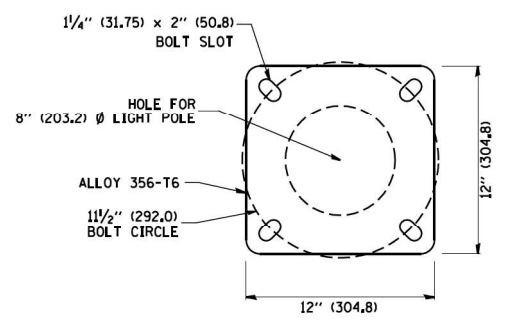
4" (101.6) x 8" (203.2) HANDHOLE WITH REINFORCING FRAME, COVER AND 1/4" (6.35) 20 SIZE STEEL CORE NYLON SCREWS, SEE DETAILS

8" (203.2) OUTSIDE BOTTOM DIAMETER

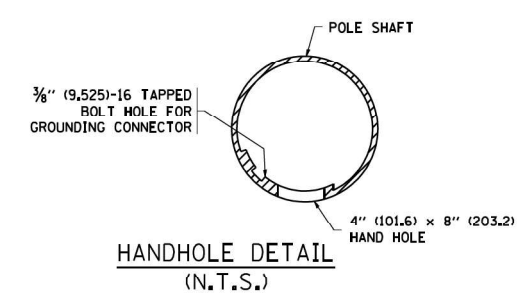
ANCHOR BASE ALLOY 356-T6 WITH BOLT COVER

**NOTES:**

1. ALL DIMENSION ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
3. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR. BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
4. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.



**LIGHT POLE BASE PLATE DETAIL**  
11 1/2" (292.0) BOLT CIRCLE



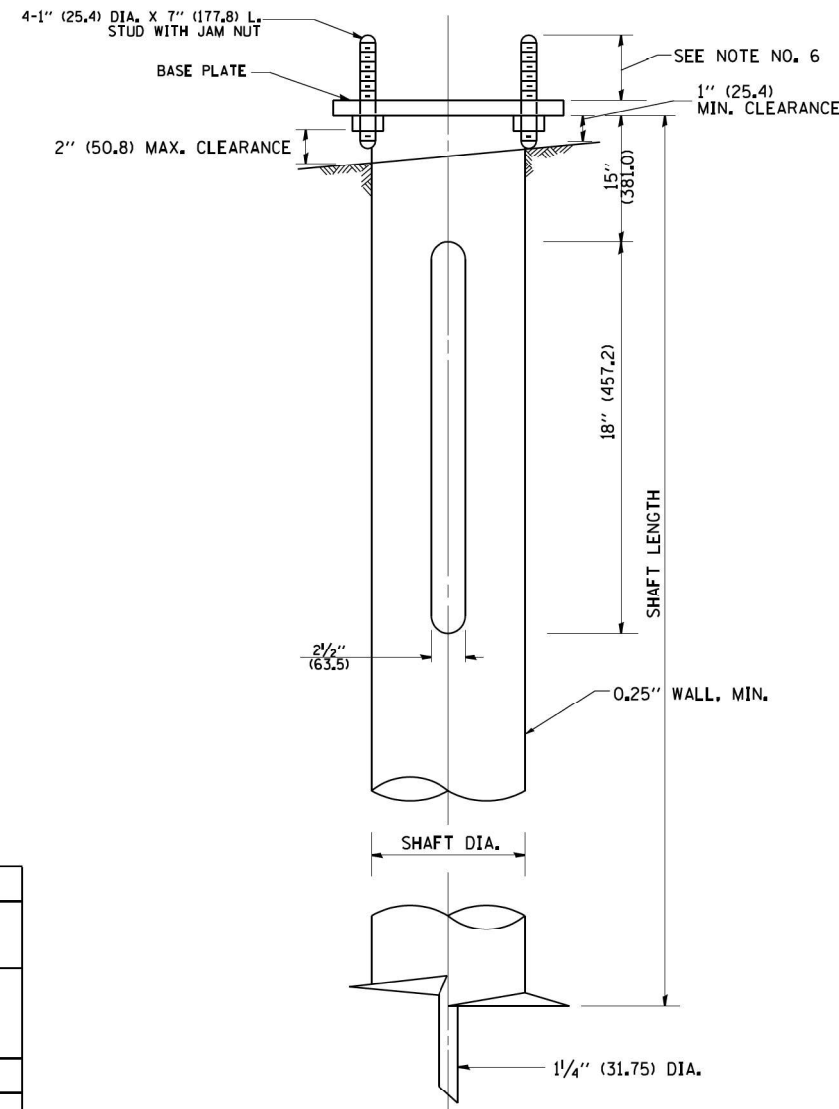
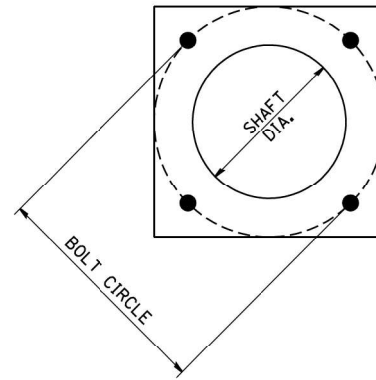
**AMES Engineering, Inc.**  
CONSULTING ENGINEERS  
6330 Belmont Road, Suite 4B  
Downers Grove, IL 60515

USER NAME = gagl.enobt	DESIGNED - BL	REVISED - R. TOMSONS 09-02-03
PLOT SCALE = 50.000 ' / IN.	DRAWN - SR	REVISED -
PLOT DATE = 1/4/2008	CHECKED - MB	REVISED -
	DATE - 06-24-2021	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>WIRELESS VEHICLE DETECTOR POLE DETAILS</b>		F.A. RTE. = 55	SECTION = 2019-154-RS	COUNTY = WILL	TOTAL SHEETS = 164	SHEET NO. = 149
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		CONTRACT NO. 62K30	

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
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**HELIX FOUNDATION SIZE**

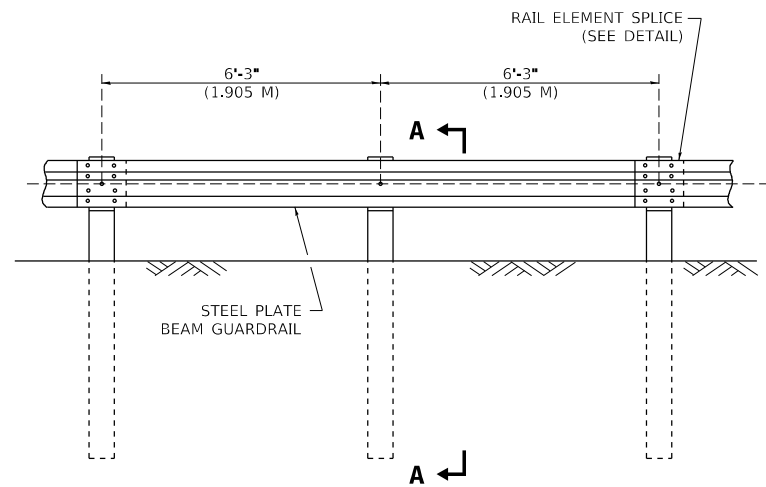
POLE MOUNTING HEIGHT	BOLT CIRCLE	SHAFT DIAMETER	SHAFT LENGTH	BASEPLATE
30 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
31 FT.-35 FT.	11 1/2"	8 5/8"	6 FT.	12"x12"x1"
36 FT.-40 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
41 FT.-45 FT.	15"	8 5/8"	6 FT.	15"x15"x1 1/4"
46 FT.-50 FT.	15"	10"	8 FT.	15"x15"x1 1/4"

**METAL HELIX FOUNDATION MATERIALS**

ITEM	MATERIAL REQUIREMENT
BASEPLATE	AASHTO M 270M, GRADE 36 (M270M, GRADE 250)
SHAFT	ASTM A 252, GRADE 2 (PHOSPHOROUS 0.04% MAXIMUM, SULFUR 0.05% MAXIMUM)
HELIX SCREW	AASHTO M 183 (ASTM A 635)
PILOT POINT	AASHTO M 270 (ASTM A 575)
ANCHOR RODS/STUDS	AASHTO M 314 (ASTM F 1554)
HEXAGON NUTS	AASHTO M 291M (ASTM A 563) GRADE DH, OR AASHTO M 292 (ASTM A 194) GRADE 2H
WASHERS	AASHTO M 293 (ASTM F 436)

**NOTES:**

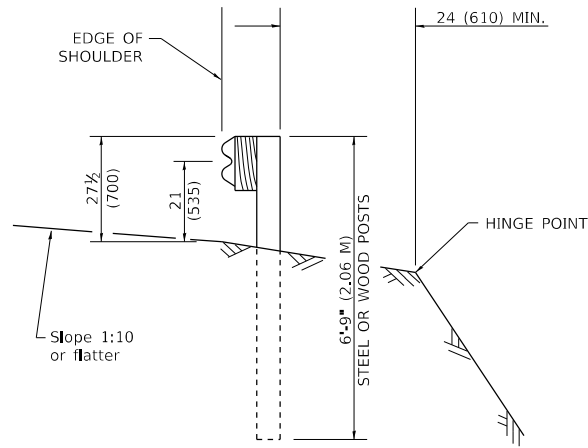
1. ALL DIMENSION IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
2. ALL MATERIAL SHALL BE GALVINIZED ACCORDING TO AASHTO M111, UNLESS OTHERWISE SPECIFIED.
3. ALL WELDS SHALL BE CONTINUOUS AND NOT LESS THAN 1/4" (6.35 mm) FILLET WELDS. THE WELDED FOUNDATION SHALL BE CAPABLE OF WITHSTANDING 10,000 FT/LBS (13558.18 n.m) OF INSTALLATION TORQUE APPLIED ABOUT THE AXIS OF THE FOUNDATION.
4. THE HELIX FOUNDATION SHAFT SHALL BE INSTALLED VERTICAL AND THE BASE PLATE SHALL BE IN LEVEL. THE BREAKAWAY COUPLINGS AND HARDWARE SHALL NOT BE USED TO ALIGN THE POLE INSTALLATION.
5. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE INSTALLATION OF THE LIGHT POLE.
6. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF THE BASE PLATE WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS.
7. ANY VOIDS WITHIN THE METAL FOUNDATION SHALL BE FILLED WITH FINE AGGREGATE.
8. METAL FOUNDATIONS SHALL BE INSTALLED IN UNDISTURBED SOIL. PREDRILLING A PILOT HOLE AND/OR BACKFILLING AROUND THE FOUNDATION IS NOT ALLOWED.
9. THE METAL FOUNDATION SHALL NOT BE INSTALLED TO A TORQUE WHICH EXCEEDS THE MANUFACTURER'S MAXIMUM TORQUE RATING NOR SHALL IT BE INSTALLED TO AN INSTALLATION TORQUE VALUE OF LESS THAN 3,500 FT LB (4,750 KNM). METAL FOUNDATIONS THAT ARE NOT INSTALLED TO FULL INSTALLATION DEPTH OR DO NOT ACHIEVE THE MINIMUM INSTALLATION TORQUE SHALL BE REMOVED AND REPLACED WITH A CONCRETE FOUNDATION AT NO ADDITIONAL COST.
10. THE BASEPLATE SHALL BE PERPENDICULAR TO THE SHAFT AXIS ( $\pm 1^\circ$ ) AND THE HOLE CENTERLINE SHALL BE CONCENTRIC ( $\pm 0.188$ ) TO THE SHAFT AXIS.
11. THE PILOT POINT AND SHAFT AXIS SHALL BE CONCENTRIC ( $\pm 0.125$ ) AND IN LINE ( $\pm 2^\circ$ ).
12. THE BASEPLATE SHALL BE STAMPED WITH THE MANUFACTURERS NAME AND DATE OF MANUFACTURE.



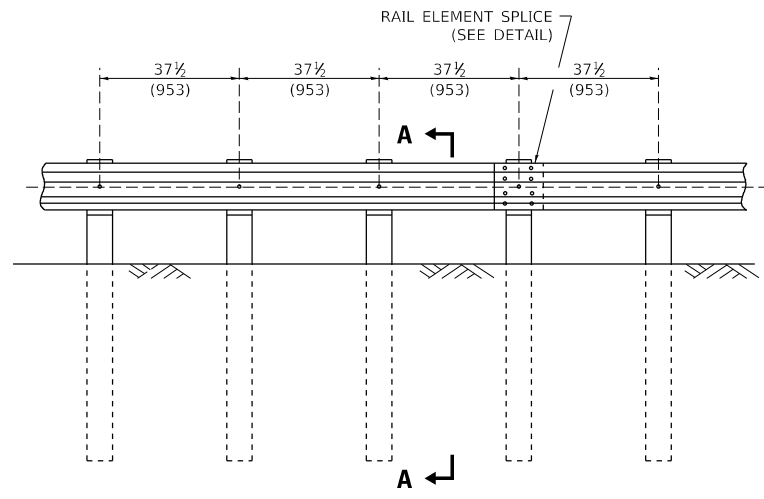
ELEVATION

**TYPE A**

6'-3" (1.905 M) TYPICAL POST SPACING



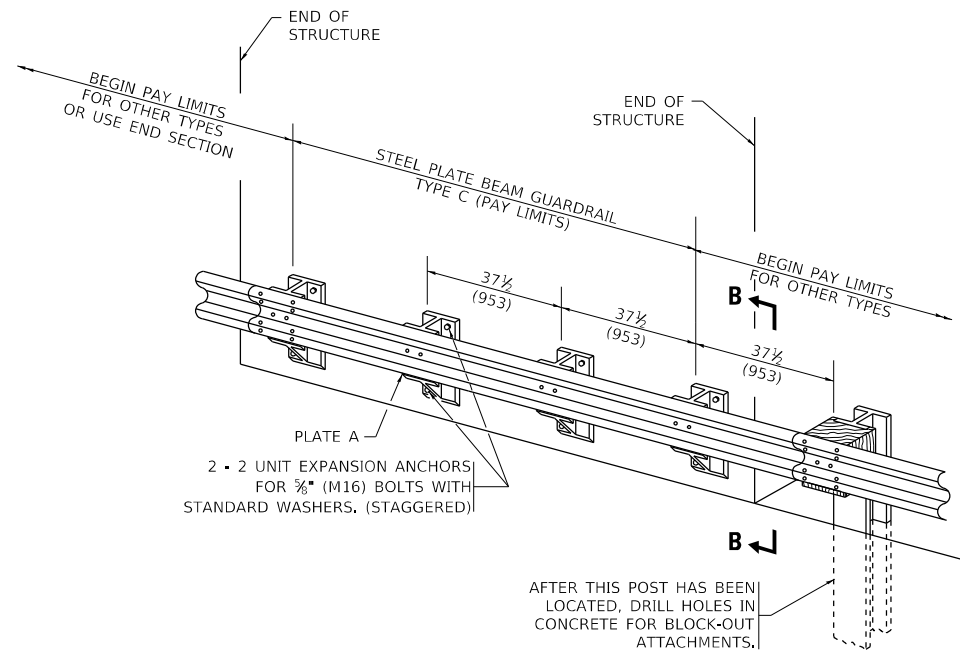
SECTION A-A



ELEVATION

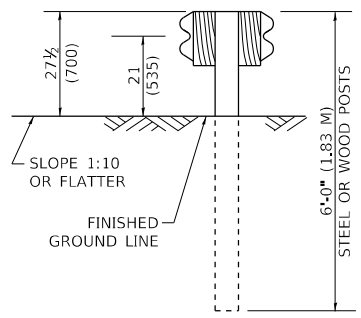
**TYPE A**

37 1/2 (953) CLOSED POST SPACING

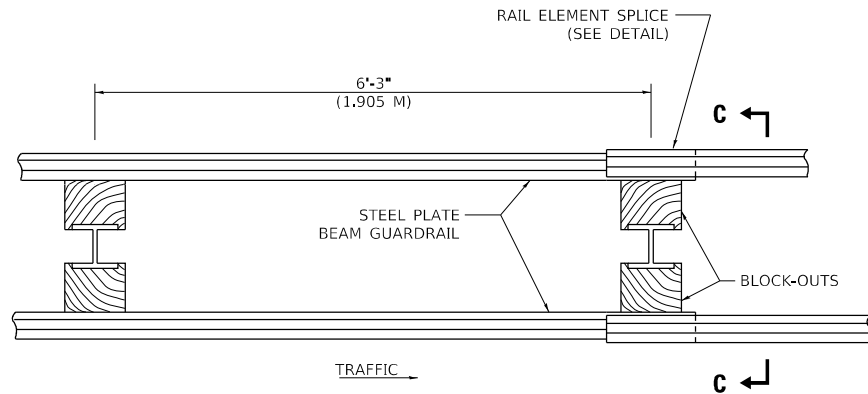


**TYPE C**

37 1/2 (953) BLOCK-OUT SPACING



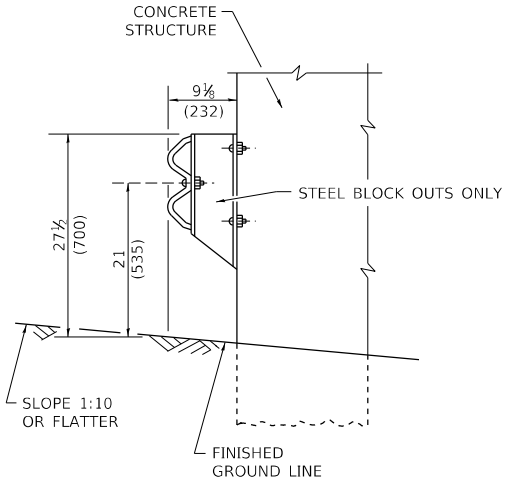
SECTION C-C



PLAN

**TYPE D**

DOUBLE STEEL PLATE BEAM GUARDRAIL  
6'-3" (1.905 M) TYPICAL POST SPACING



SECTION B-B

**GENERAL NOTES**

- ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE EXISTING STEEL POSTS MAY BE DRILLED TO MATCH THE BOLT PATTERN SHOWN HEREIN FOR THE WOOD BLOCK-OUT, OR A NEW STEEL POST SHALL BE PROVIDED.
- THIS DETAIL IS APPLICABLE TO THE GUARDRAIL SYSTEM USED PRIOR TO JANUARY 1, 2007. FOR DETAILS ON THE MIDWEST GUARDRAIL SYSTEM, SEE STANDARD 630001.

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 PROJECT: I:\state\p...

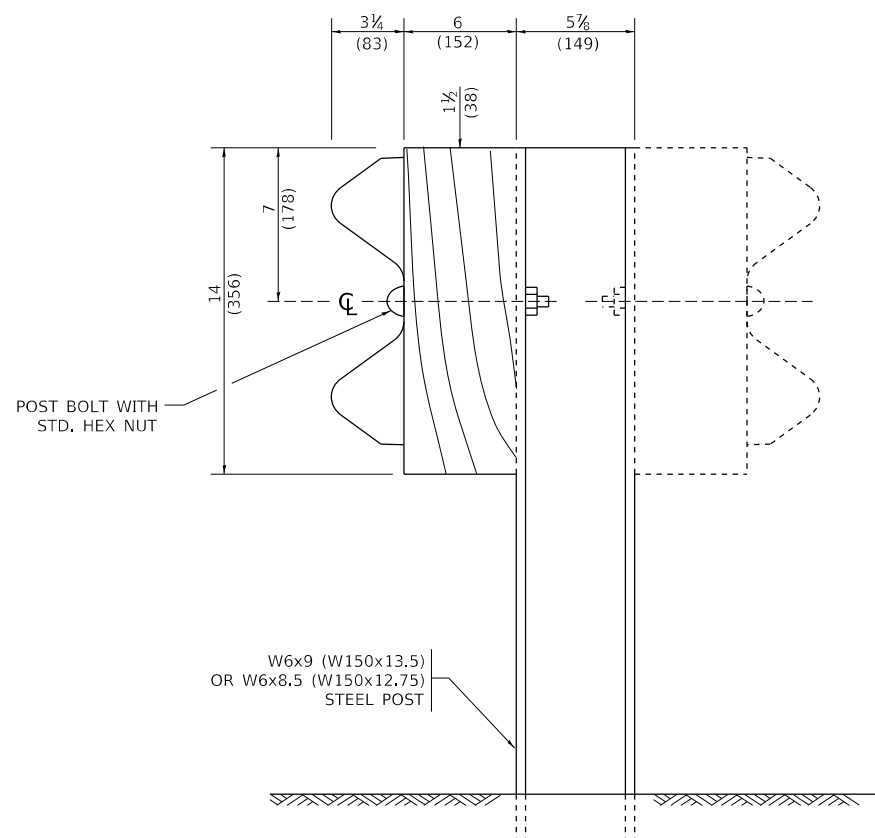
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DRAWN	-	CHECKED	-	REVISED	-
PLOT SCALE	50,0000 * / in.	DATE	-	REVISED	-
PLOT DATE	3/11/2019				

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

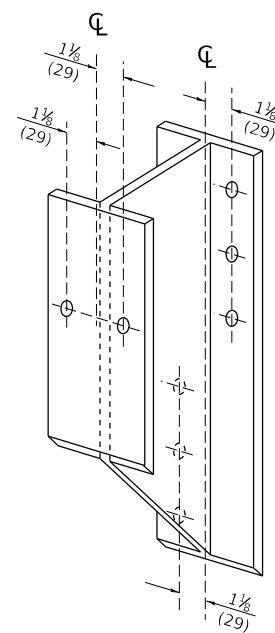
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STEEL PLATE BEAM GUARDRAIL**

SCALE: NONE SHEET 1 OF 4 SHEETS STA. TO STA.

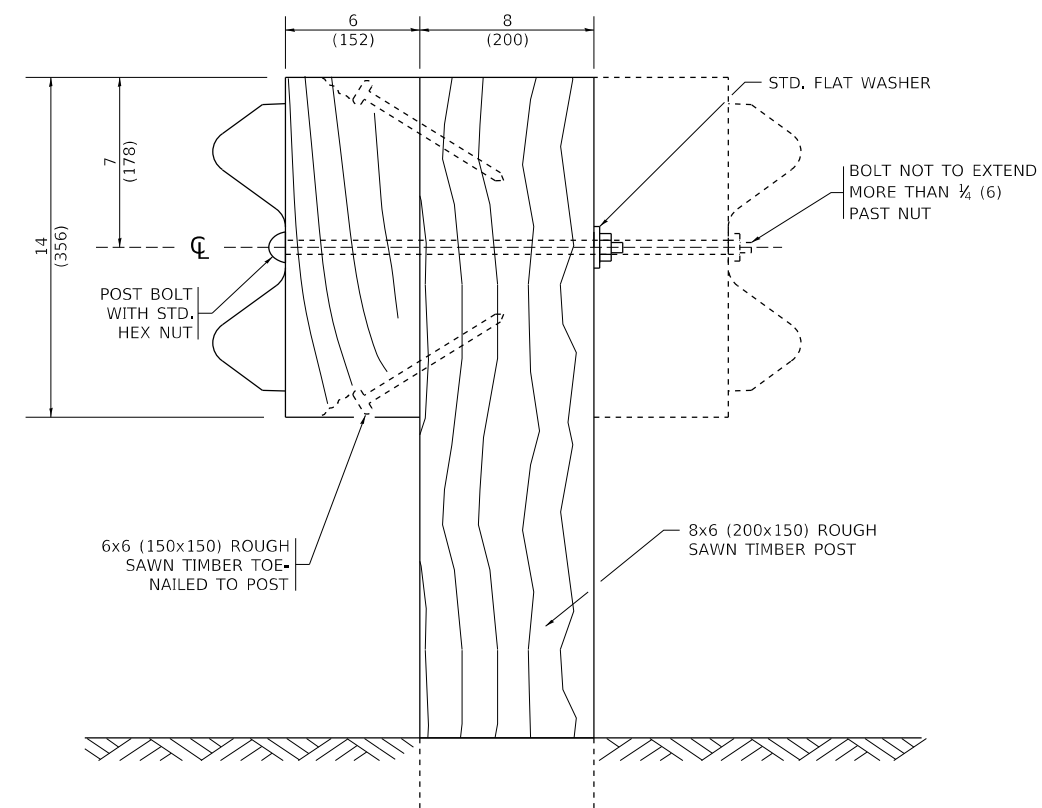
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-R5	WILL	164	151
BM-21		CONTRACT NO. 62K30		
ILLINOIS FED. AID PROJECT				



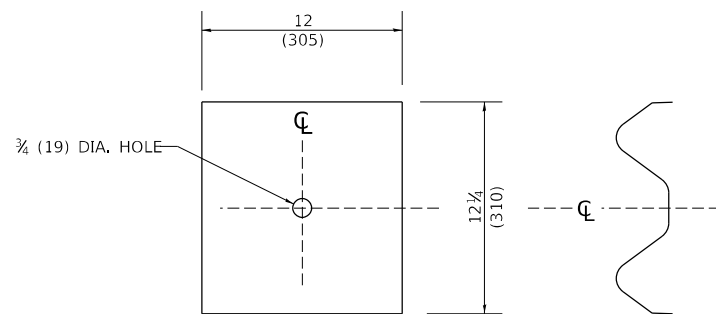
**STEEL POST CONSTRUCTION**



**STEEL BLOCK-OUT DETAIL**



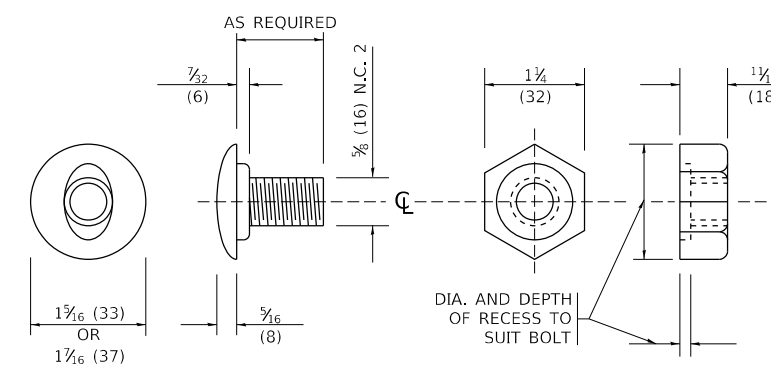
**WOOD POST CONSTRUCTION**



**NOTE:**

PLATE A SHALL BE PLACED BETWEEN RAIL ELEMENT AND BLOCK-OUT AT NON-SPLICE MOUNTING POINTS ONLY WHEN STEEL BLOCK-OUTS ARE USED.

**PLATE A**



**POST OR SPLICE BOLT & NUT**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

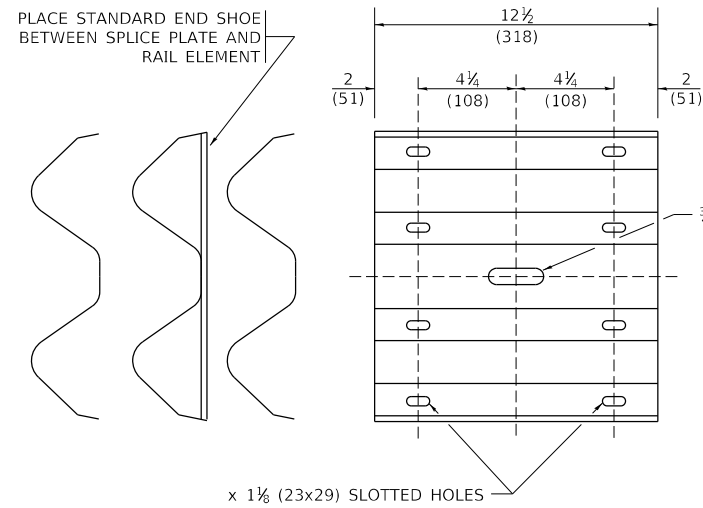
REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	152
BM-21		CONTRACT NO. 62K30		

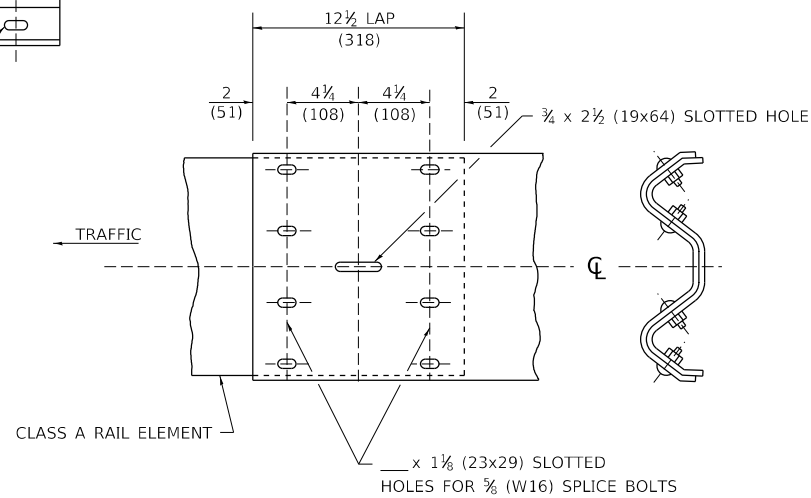
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ILLINOIS FED. AID PROJECT

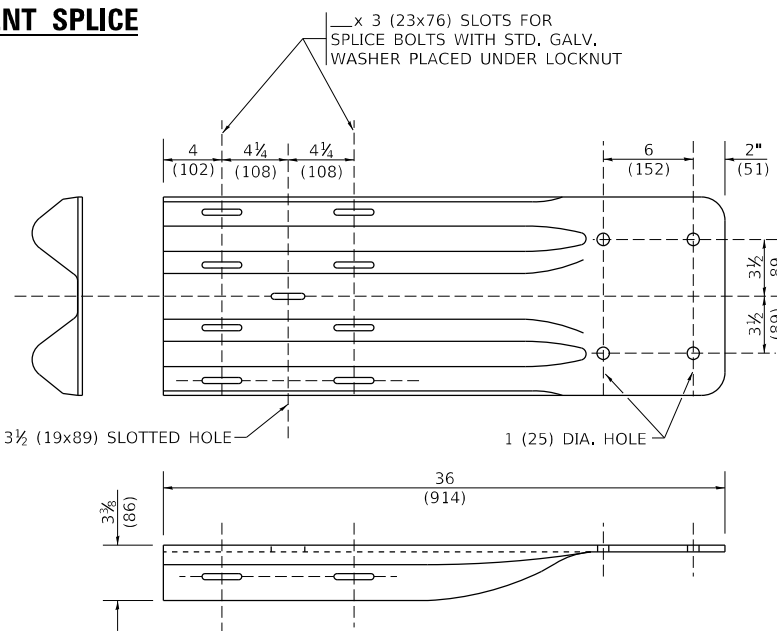
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 DATE: 3/11/2019



**SPLICE PLATE**



**RAIL ELEMENT SPLICE**



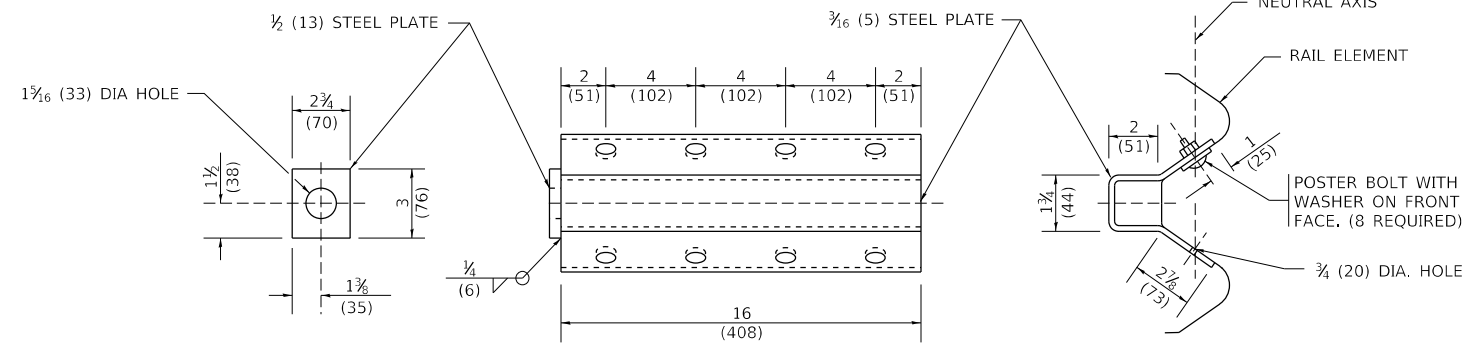
**END SHOE**

**NOTE:**

WHEN END SHOE IS ATTACHED TO A BRIDGE PARAPET WHICH HAS AN EXPANSION JOINT, THE BOLTS SHALL BE PROVIDED WITH A LOCKNUT OR DOUBLE NUT AND SHALL BE TIGHTENED ONLY TO A POINT THAT WILL ALLOW GUARDRAIL MOVEMENT.

THE STANDARD END SHOE SHALL BE ATTACHED TO THE CONCRETE WITH PRE-DRILLED OR SELF-DRILLING ANCHOR BOLTS. THE ANCHOR CONE SHALL BE SET FLUSH WITH THE SURFACE OF THE CONCRETE.

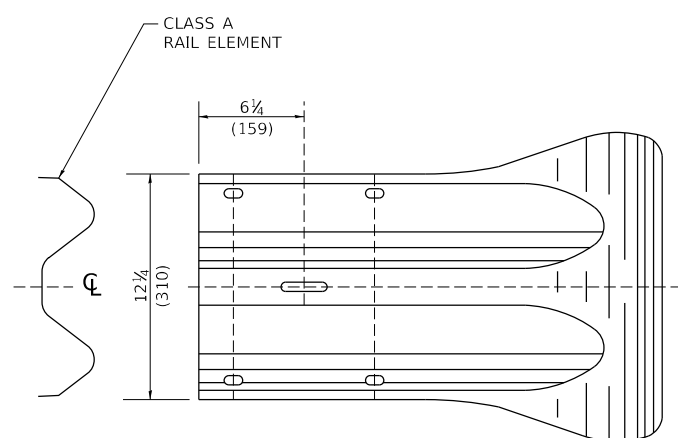
EXTERNALLY THREADED STUDS PROTRUDING FROM THE SURFACE OF THE CONCRETE WILL NOT BE PERMITTED.



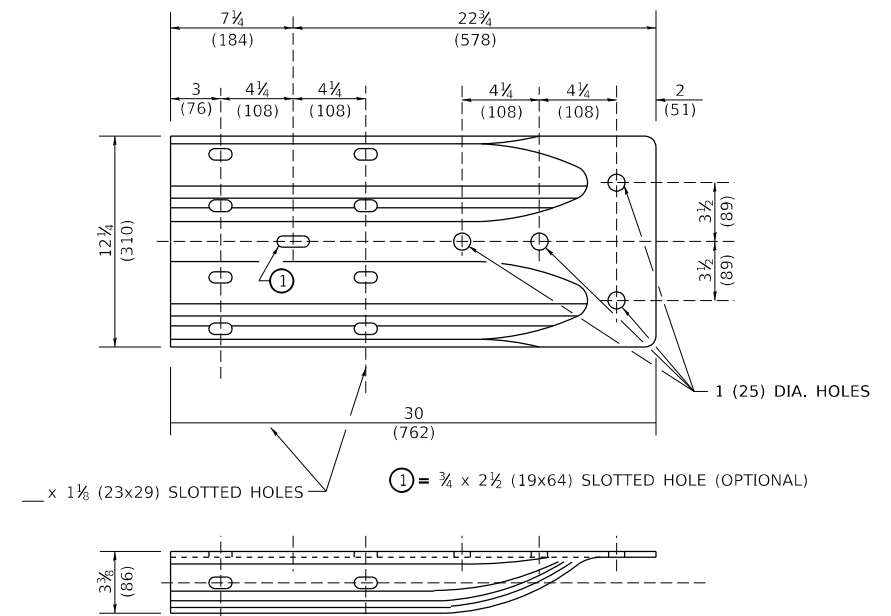
**NOTE:**

ANCHOR PLATE T SHALL BE USED TO ATTACH CABLE ASSEMBLY TO GUARDRAIL WHEN REQUIRED ON TRAFFIC BARRIER TERMINALS.

**ANCHORE PLATE T DETAILS**



**END SECTION**



**ALTERNATE END SHOE**

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 PROJECT: I:\Projects\...  
 DATE: 3/11/2019 2:13:59 PM User:logan

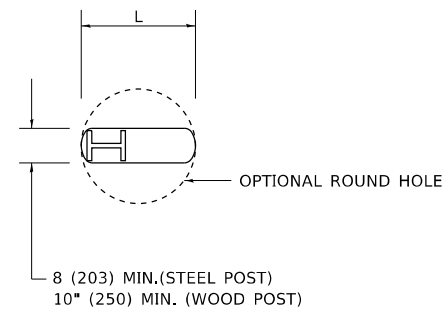
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DRAWN	REVISION	
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PLOT DATE	DATE	REVISED

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

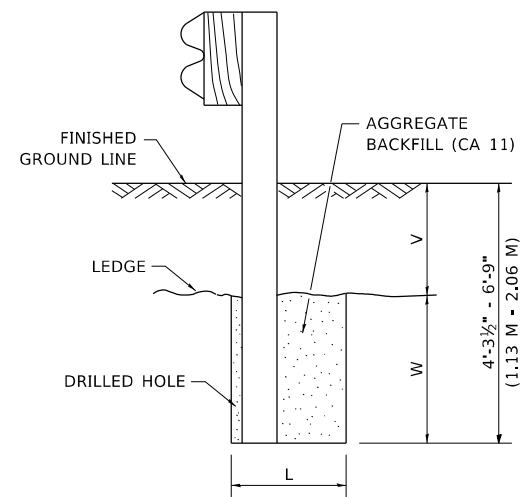
**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**

SCALE: NONE SHEET 3 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	153
BM-21		CONTRACT NO. 62K30		
ILLINOIS FED. AID PROJECT				



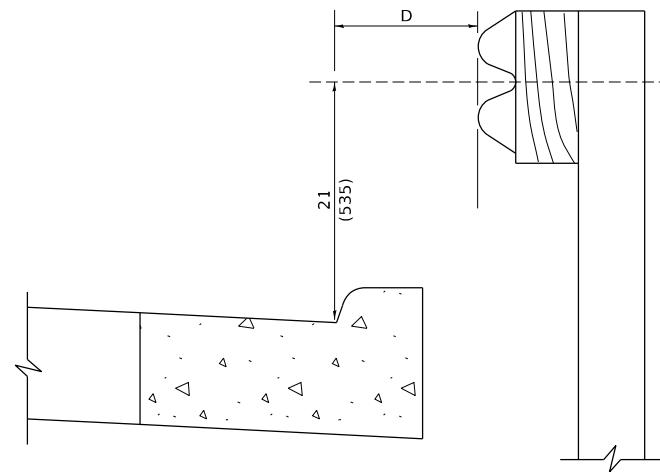
**PLAN**



**NOTE:**  
LEDGE LINE IS TOP OF ROCK  
LEDGE OR HARD SLAG FILL.

**ELEVATION**

**FOOTING FOR POST WHEN IMPERVIOUS  
MATERIAL IS ENCOUNTERED**



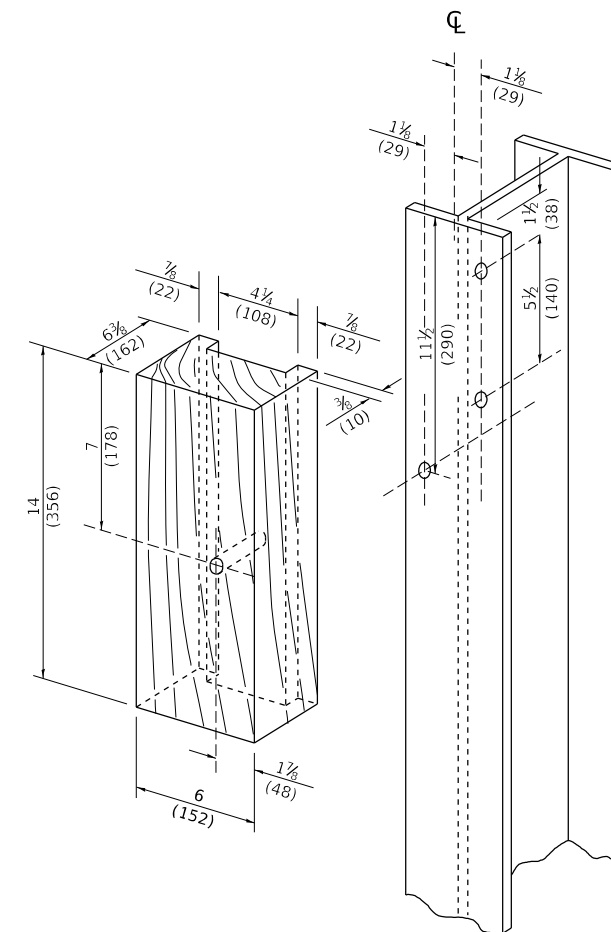
**NOTE:**

IF IT IS NECESSARY FOR D TO BE MORE THAN 12 (300) AND LESS THAN 10'-0" (3.0 M) TYPE M-2 (M-5) CURB AND GUTTER (STD. 606001) SHALL BE USED IN FRONT OF AND IN ADVANCE OF THE GUARDRAIL.

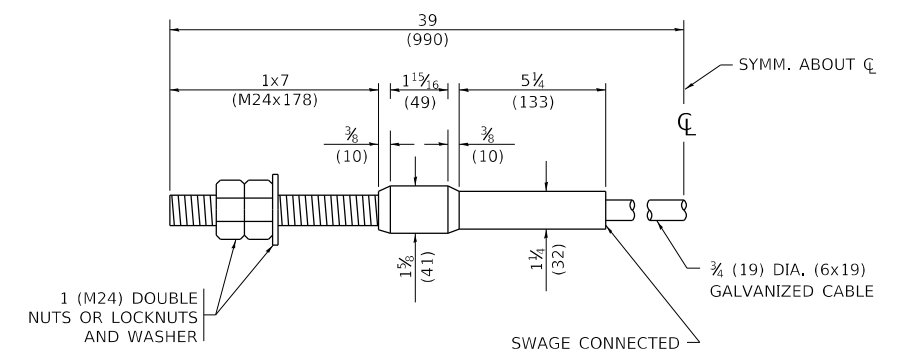
**GUARDRAIL PLACED BEHIND CURB**

(D = O DESIRABLE TO 12 (300) MAXIMUM)

V	W	L	
		STEEL POST	WOOD POST
0 - 18 (0 - 460)	24 (610)	21 (530)	23 (580)
>18 - 41.5 (> 460 - 825)	12 (305)	8 (203)	10 (250)
>41.5 - 53.5 (> 825 - 1.13 M)	12 - 0 (350 - 0)	8 (203)	10 (250)



**WOOD BLOCK - OUT AND  
STEEL POST DETAILS**



**CABLE ASSEMBLY**

(40,000 LBS (18,100 KG) MIN. BREAKING STRENGTH)  
TIGHTEN TO TAUT TENSION

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 PROJECT: ...  
 DATE: 3/11/2019

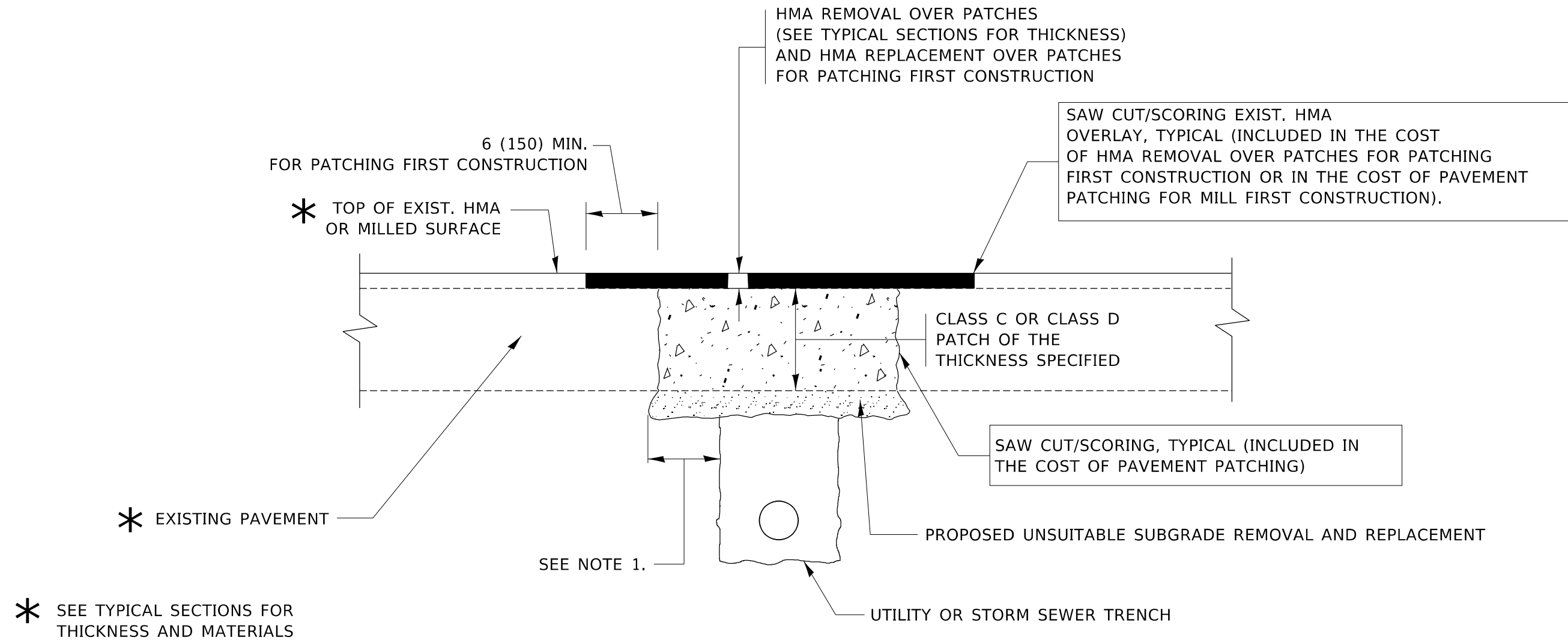
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DRAWN	CHECKED	REVISI
PLOT SCALE	DATE	REVISI
PLOT DATE		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVE AND REERECT  
STEEL PLATE BEAM GUARDRAIL**

SCALE: NONE SHEET 4 OF 4 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	154
BM-21		CONTRACT NO. 62K30		
ILLINOIS FED. AID PROJECT				



**NOTES:**

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

**SEQUENCE OF CONSTRUCTION (PATCHING FIRST)**

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

**SEQUENCE OF CONSTRUCTION (MILLING FIRST)**

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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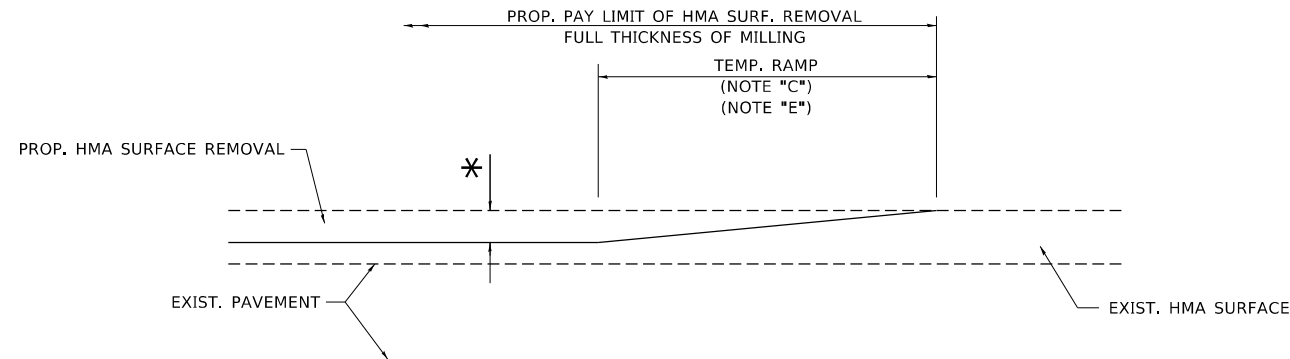
USER NAME	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98
	DRAWN -	REVISED - R. BORO 01-01-07
PLOT SCALE	CHECKED -	REVISED - R. BORO 09-04-07
PLOT DATE	DATE - 10-25-94	REVISED - K. ENG 10-27-08

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT PATCHING FOR  
HMA SURFACED PAVEMENT**

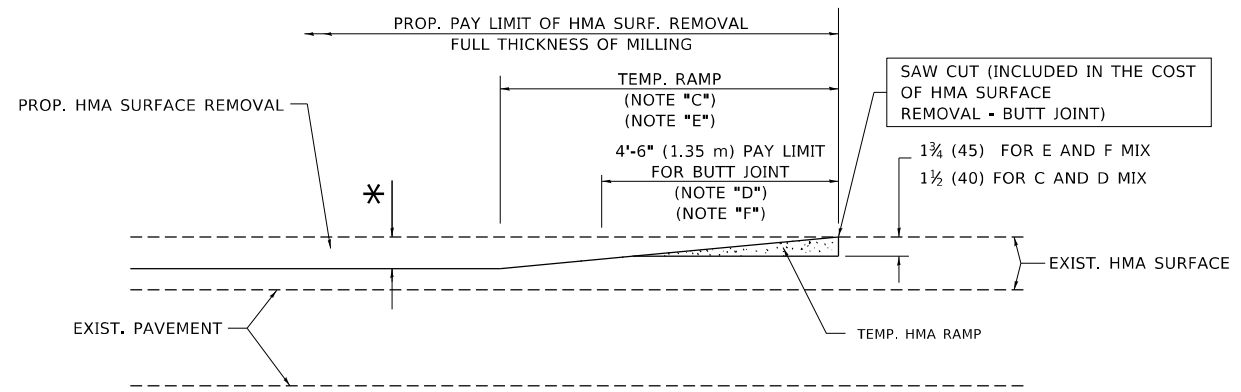
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	155
BD400-04 (BD-22)			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				



**MILLED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

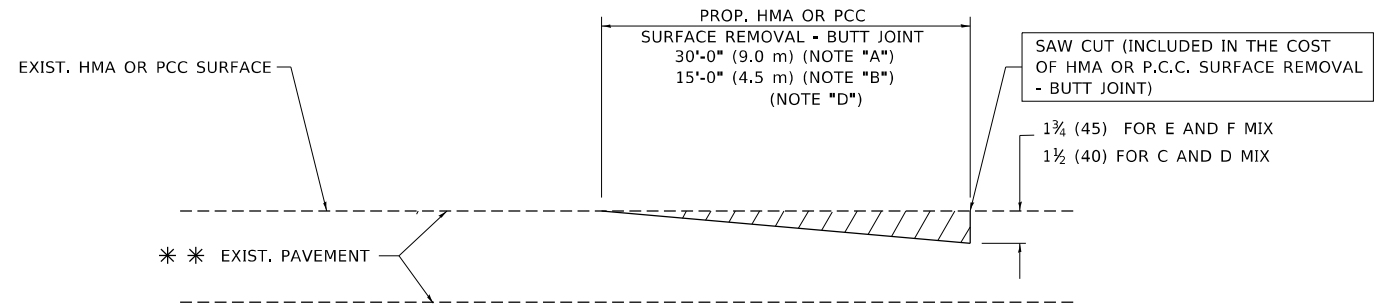
**OPTION 1**



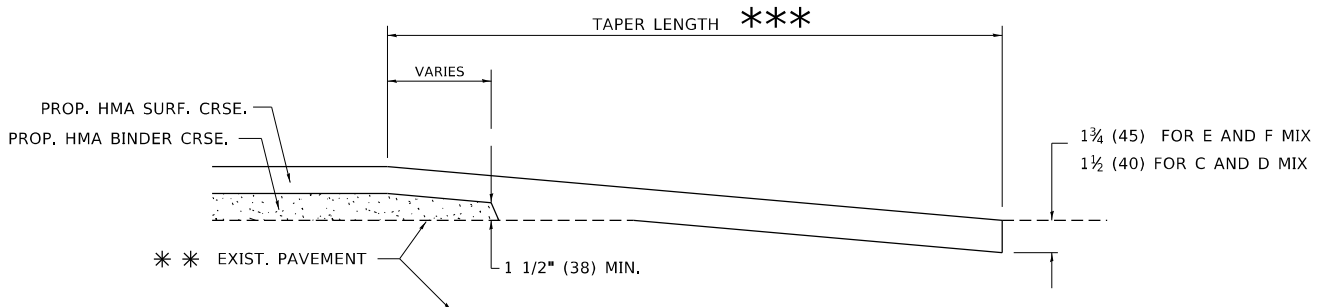
**HMA CONSTRUCTED TEMPORARY RAMP**  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

**TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY**

\*\*\* PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

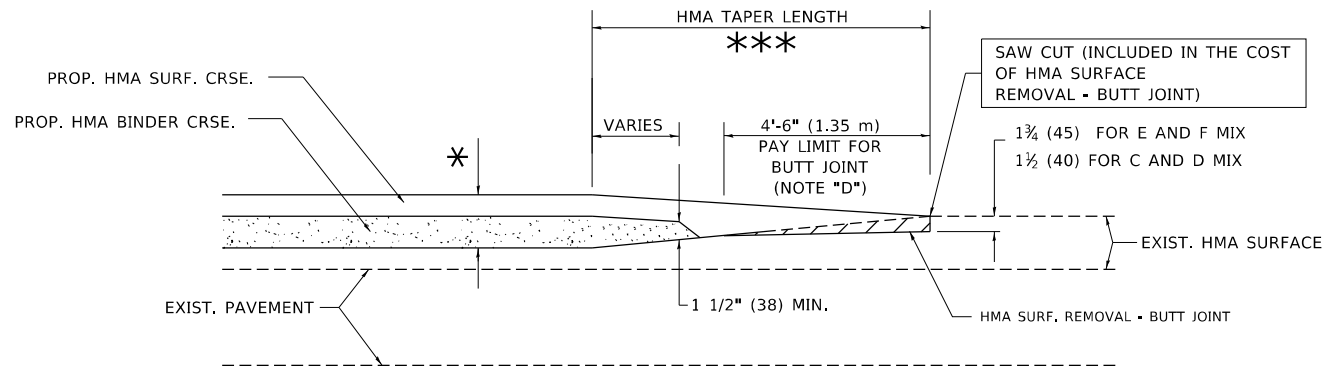
**NOTES**

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT.  
\* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".  
\*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**BASIS OF PAYMENT**

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



**BUTT JOINT AND HMA TAPER**

**TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING**

MODEL: D:\ref\... FILE: hma\... PROJECT: ...

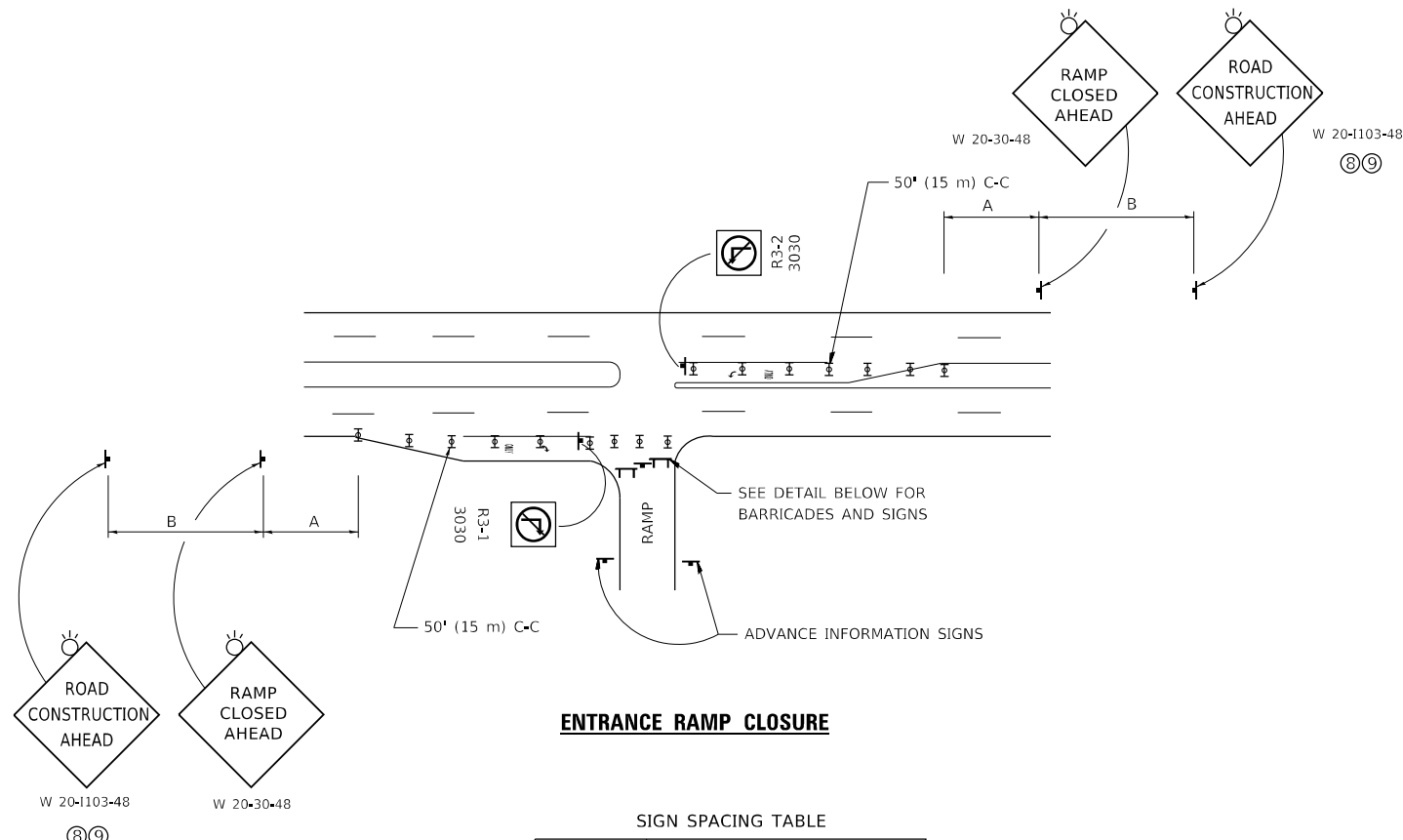
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M. DE YONG	M. DE YONG	R. SHAH 10-25-94
DRAWN	DRAWN	REVISED
A. ABBAS 03-21-97	A. ABBAS 03-21-97	A. ABBAS 03-21-97
CHECKED	CHECKED	REVISED
M. GOMEZ 04-06-01	M. GOMEZ 04-06-01	M. GOMEZ 04-06-01
DATE	DATE	REVISED
06-13-90	06-13-90	R. BORO 01-01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	156
BD400-05 BD32		CONTRACT NO. 62K30		
ILLINOIS FED. AID PROJECT				



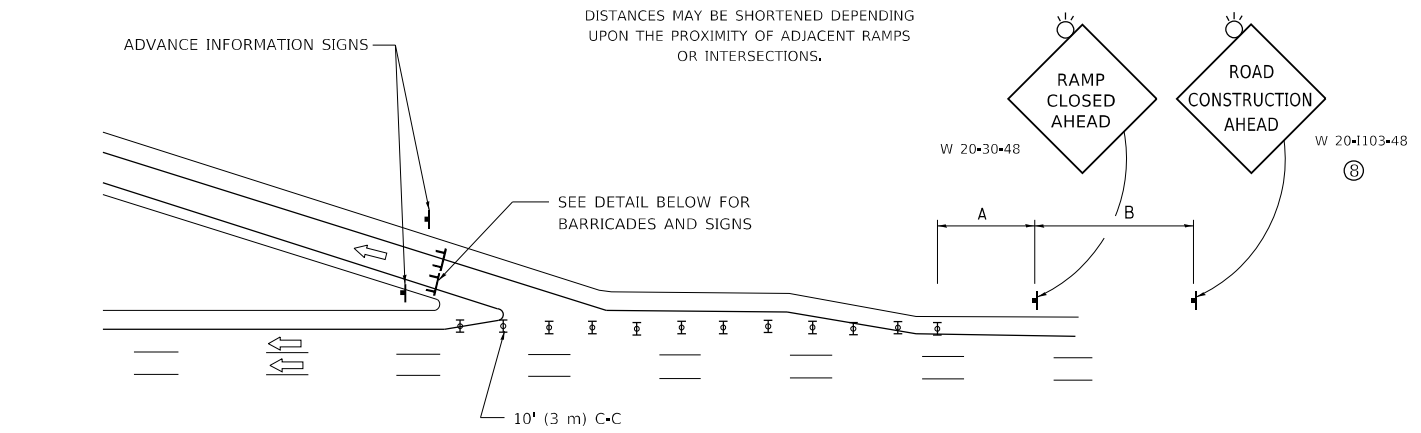


**ENTRANCE RAMP CLOSURE**

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY ≤24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

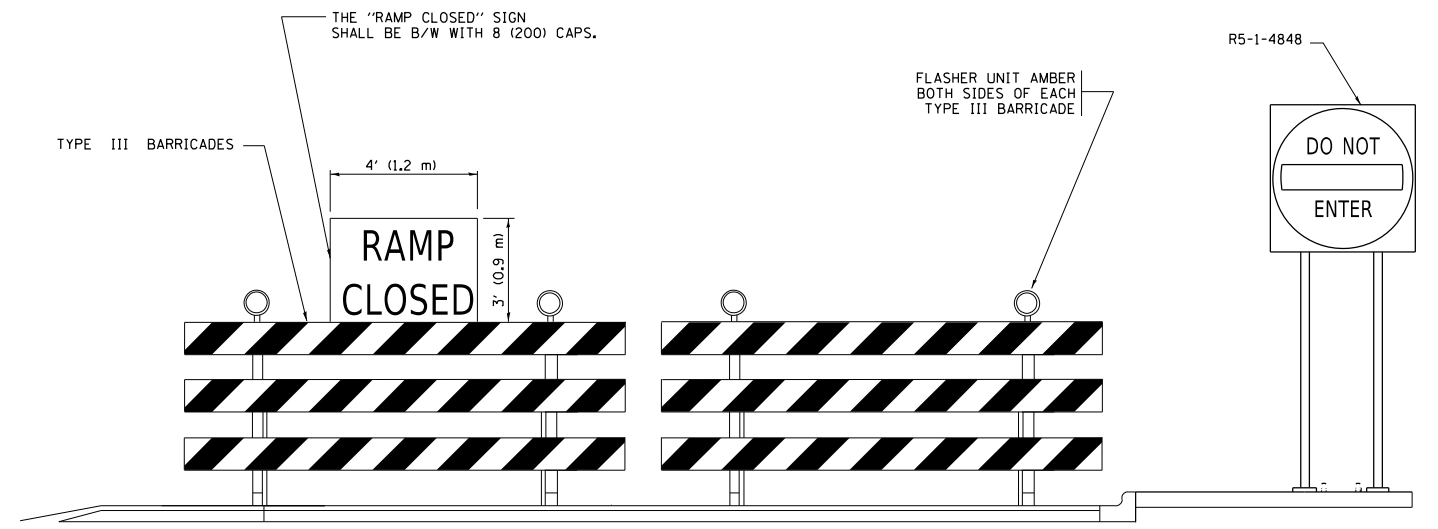
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



**EXIT RAMP CLOSURE**

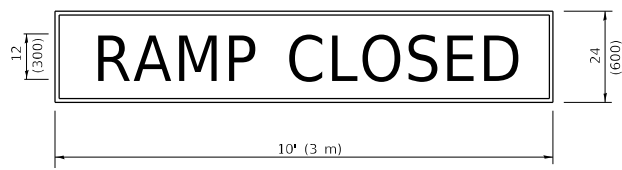
**SYMBOLS**

- ▬ TYPE II BARRICADE OR DRUM
- ▬ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



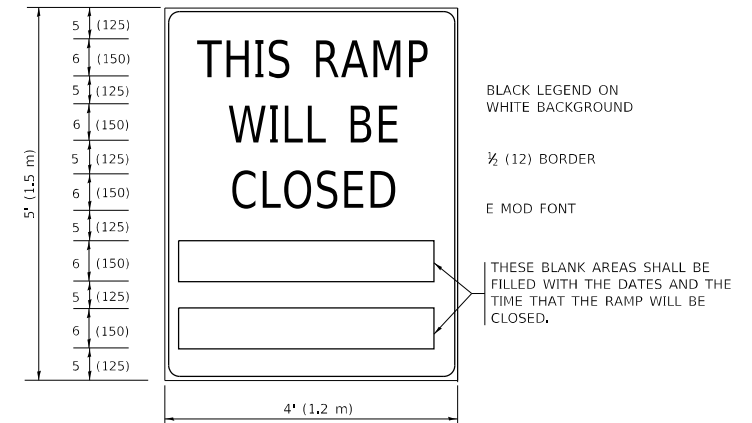
**DETAIL FOR REQUIRED BARRICADES & SIGNS**

**RAMP CLOSURE ADVANCE WARNING SIGN**



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY  
E MOD FONT  
1 (25) BORDER  
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

**RAMP CLOSURE ADVANCE INFORMATION SIGN**



BLACK LEGEND ON WHITE BACKGROUND  
½ (12) BORDER  
E MOD FONT  
THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.  
THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

**GENERAL NOTES:**

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: D:\ref\... FILE: I:\state\p\... I:\proj\cs\10615422\31CAD\Draw\CAD\sheet\1008.dwg

USER NAME	footemj	DESIGNED	D.W.S.	REVISED	S.P.B._01-07
DRAWN		REVISION	S.P.B._12-09		
PLOT SCALE	50,0000 * / in.	CHECKED		REVISED	M.D._06-13
PLOT DATE	3/4/2019	DATE	02-83	REVISED	M.D._01-18

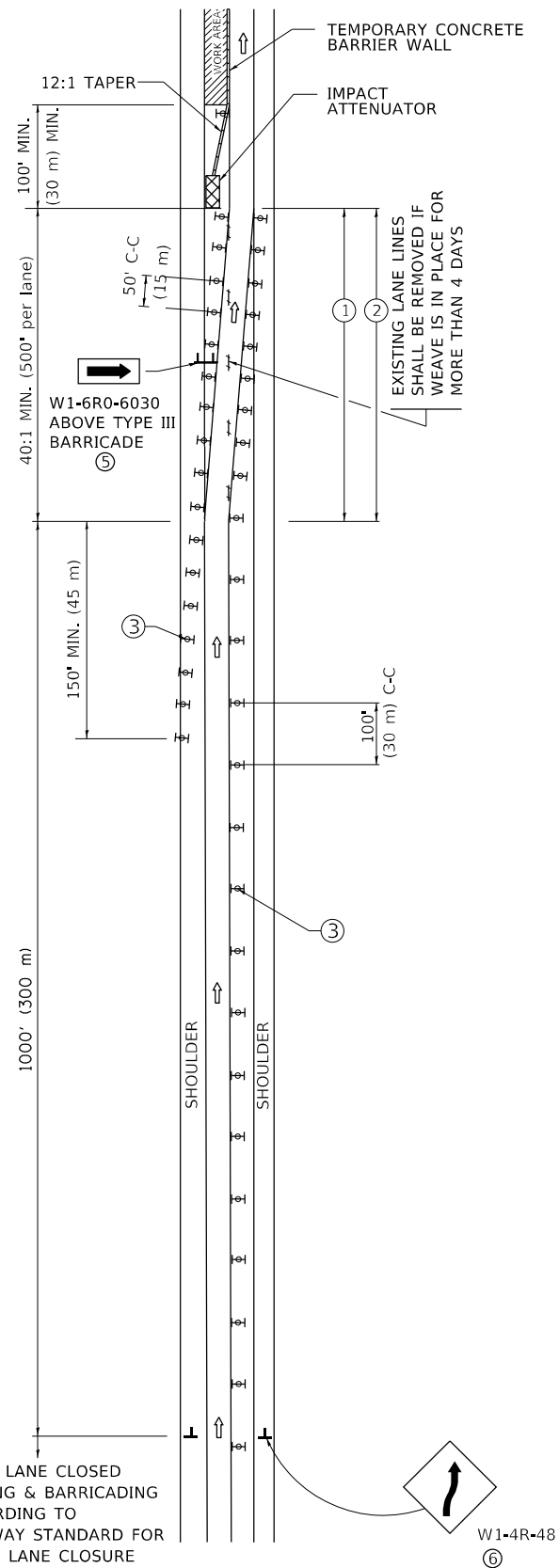
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE\_AND\_EXIT\_RAMP  
CLOSURE\_DETAILS**

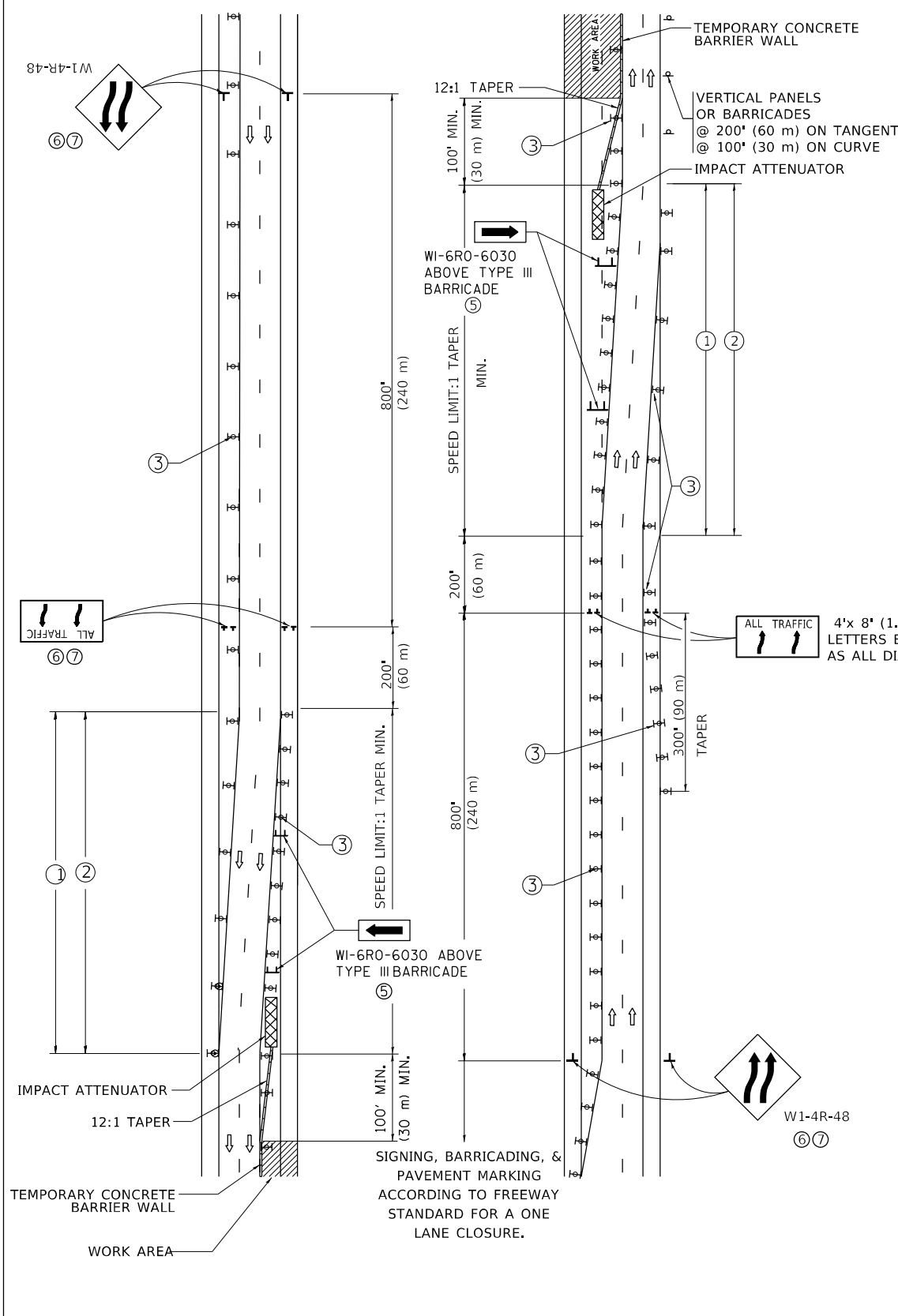
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	157
TC-08			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				

# SINGLE LANE WEAVE



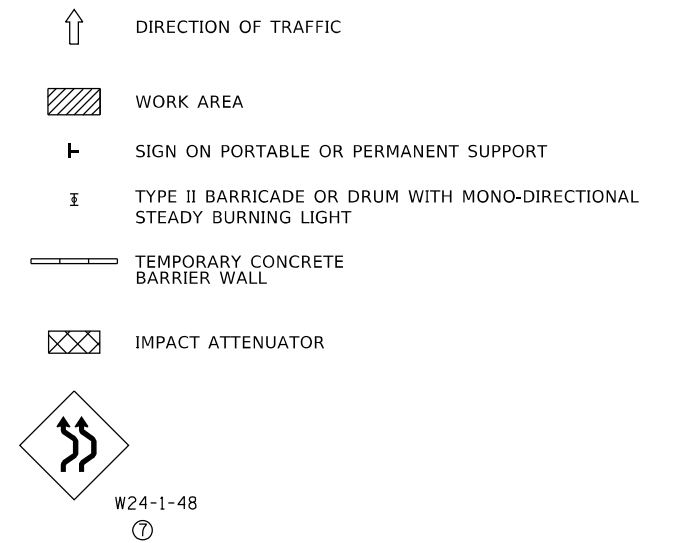
# MULTI-LANE WEAVE



### GENERAL NOTES:

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED. PAVEMENT MARKING REMOVAL SHALL NOT BE REQUIRED FOR SINGLE LANE WEAVES UNDER 4 DAYS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVES LANE LINES SHALL BE 5 INCH, 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ TYPE III BARRICADES MAY BE OMITTED FOR SINGLE-LANE WEAVES UNDER 24-HOURS IN DURATION. W1-6 SIGNS WILL STILL BE REQUIRED. IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.
- ⑥ WHEN THE LENGTH OF THE SHIFTED SEGMENT (DISTANCE BETWEEN WEAVE POINTS) IS LESS THAN 1500', DOUBLE REVERSE CURVE SIGNS (W24-1) SHOULD BE USED INSTEAD OF THE REVERSE CURVE (W1-4) SIGNS. ARROWS ON THE 4'X8' "ALL TRAFFIC" SIGNS SHALL BE THE SAME SHAPE.
- ⑦ THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC.

### SYMBOLS



ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: D:\ref\... FILE: I:\MAME... PROJECT: I:\DOT\Documents\DOT\Office\Berkel... PROJECT: I:\DOT\Documents\DOT\Office\Berkel...

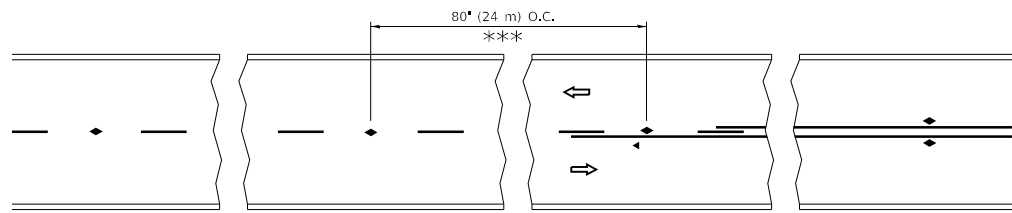
USER NAME	footemj	DESIGNED	D.W.S.	REVISED	J.A.F. 02-06
DRAWN		REVISION	S.P.B. 01-07	REVISION	S.P.B. 12-09
PLOT SCALE	50,000 * / in.	CHECKED		REVISION	M.D. 06-13
PLOT DATE	3/4/2019	DATE	02-87		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR  
FREEWAY SINGLE & MULTI-LANE WEAVE

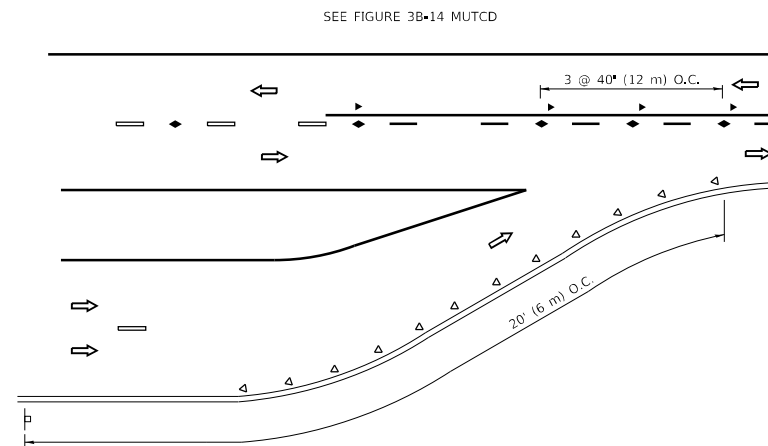
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	158
TC-09		CONTRACT NO. 62K30		
ILLINOIS FED. AID PROJECT				

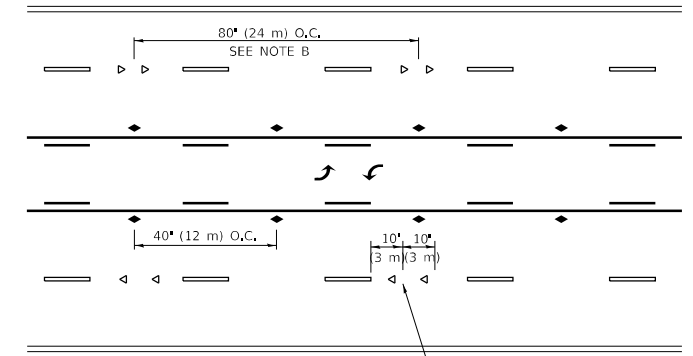


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

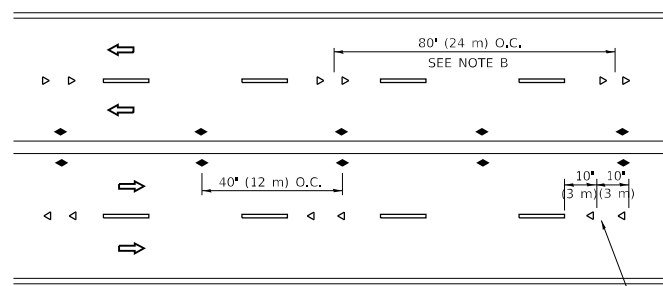
**TWO-LANE/TWO-WAY**



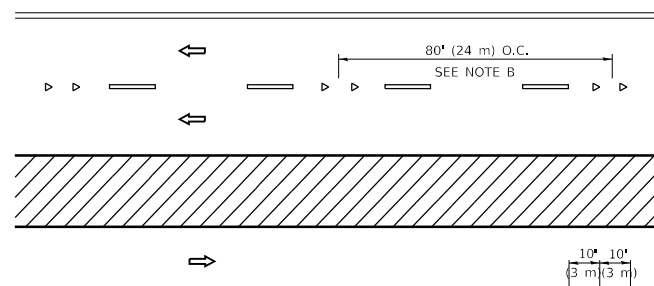
**LANE REDUCTION TRANSITION**



**TWO-WAY LEFT TURN**



**MULTI-LANE/UNDIVIDED**



**MULTI-LANE/DIVIDED**

**GENERAL NOTES**

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.
4. MARKERS ARE TO BE USED ADJACENT TO BOTH SOLID WHITE LINES IN DUAL LEFT TURN LANES

**SYMBOLS**

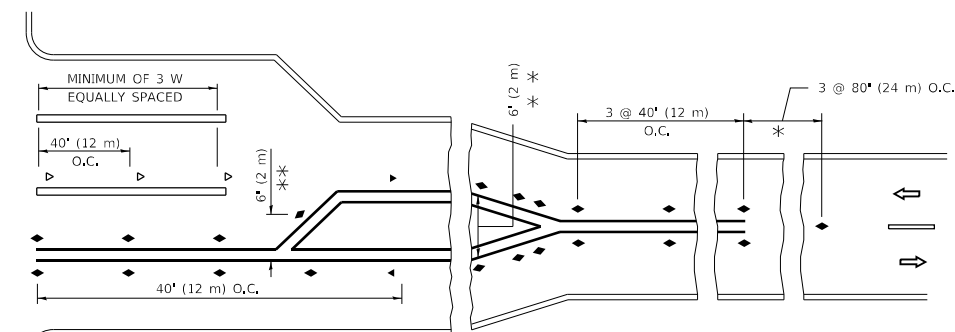
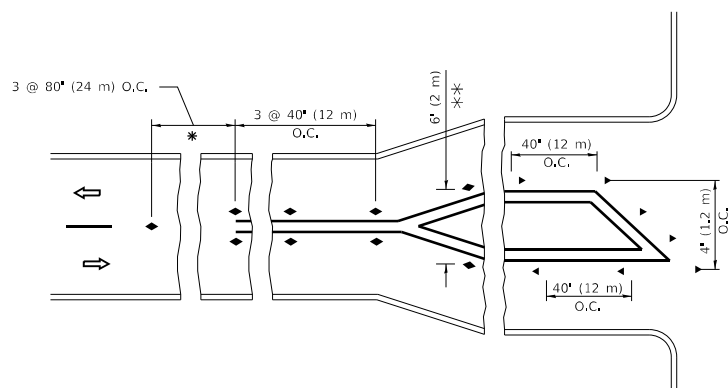
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

**LANE MARKER NOTES**

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

**DESIGN NOTES**

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



\* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE  
 \*\* WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

**TURN LANES**

All dimensions are in inches (millimeters) unless otherwise shown.

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 FILE: RAMMACH...  
 PROJECT: ...  
 DATE: 3/4/2019

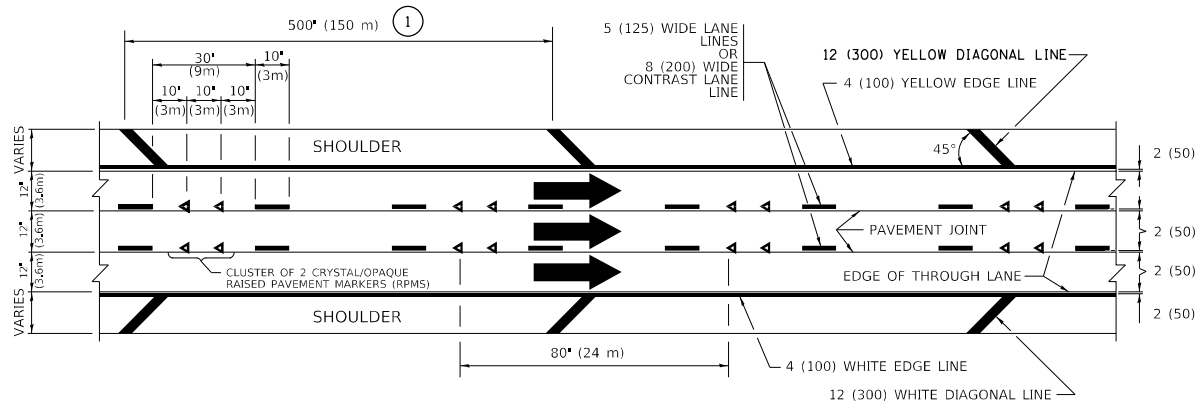
USER NAME	DESIGNED	REVISED
DRAWN	REVISOR	DATE
PLOT SCALE	CHECKED	REVISOR
PLOT DATE	DATE	REVISOR

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

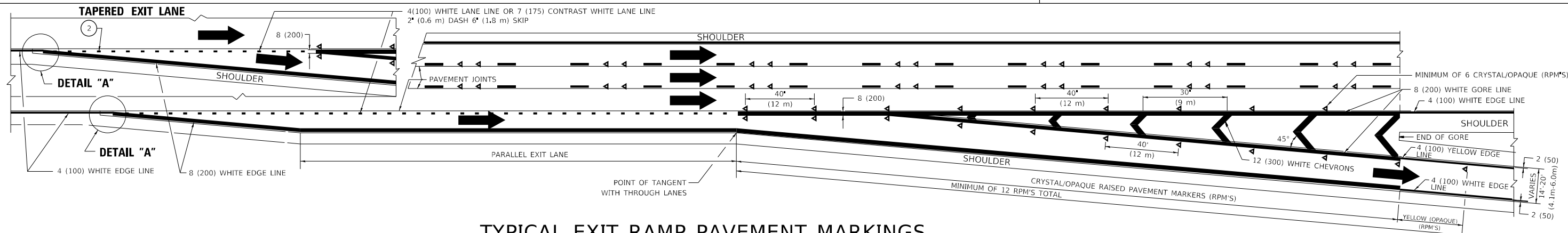
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	159
TC-11			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				



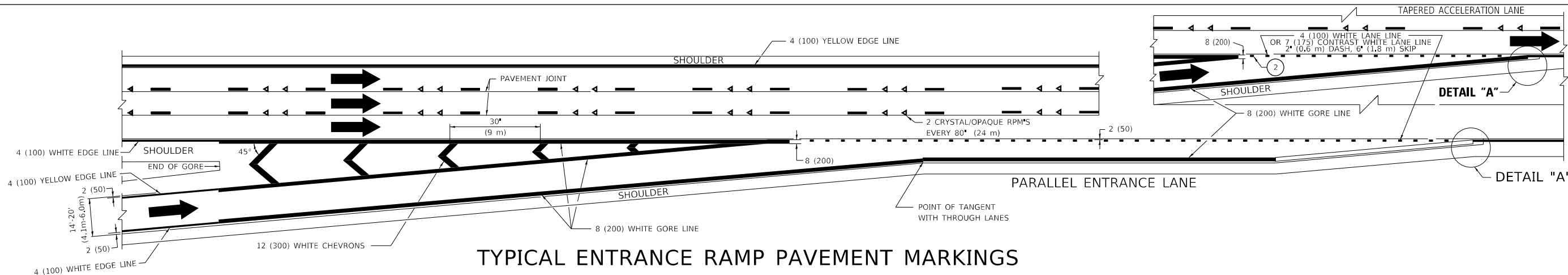
TYPICAL EDGE LINES & LANE LINES

**PAVEMENT MARKING MATERIALS**

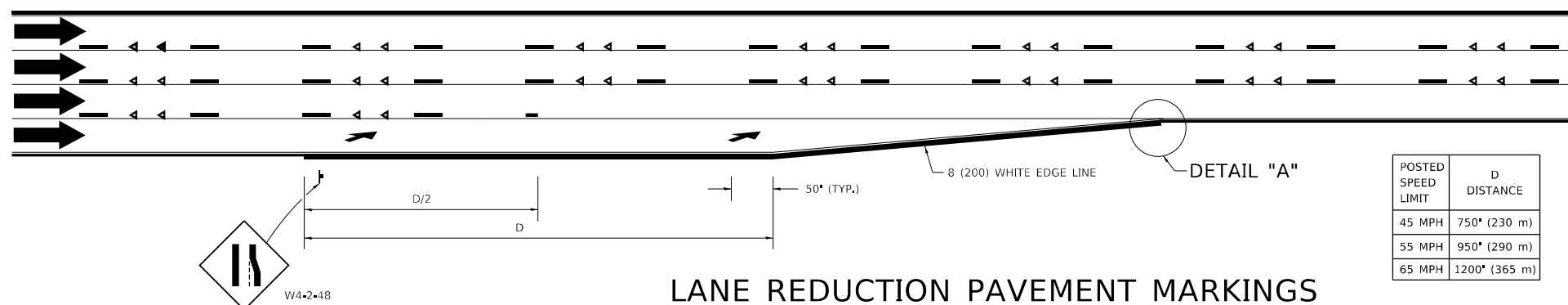
1. THERMOPLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON HMA PAVEMENTS.
2. POLYUREA OR MODIFIED URETHANE PAVEMENT MARKING LINE SHALL BE USED FOR ALL EDGE LINES, GORE LINES, AND DIAGONAL LINES ON PCC PAVEMENTS.
3. PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, INLAID OR GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON HMA PAVEMENTS.
4. CONTRAST PREFORMED PLASTIC PAVEMENT MARKING LINE TYPE B, GROOVE IN, SHALL BE USED FOR ALL LANE LINES ON PCC PAVEMENT.



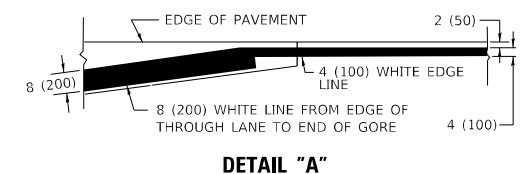
TYPICAL EXIT RAMP PAVEMENT MARKINGS



TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS



LANE REDUCTION PAVEMENT MARKINGS



**NOTES:**

- ① THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH. THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH.
- ② 4" (2' DASH, 6' SKIP) MARKING ON TAPERED ENTRANCE AND EXIT RAMP SHALL BE OMITTED ON TANGENT SECTIONS.

POSTED SPEED LIMIT	D DISTANCE
45 MPH	750' (230 m)
55 MPH	950' (290 m)
65 MPH	1200' (365 m)

MODEL: D:\ref\...  
 FILE: I:\M&E\...  
 PROJECT: I:\M&E\...  
 DATE: 3/4/2019

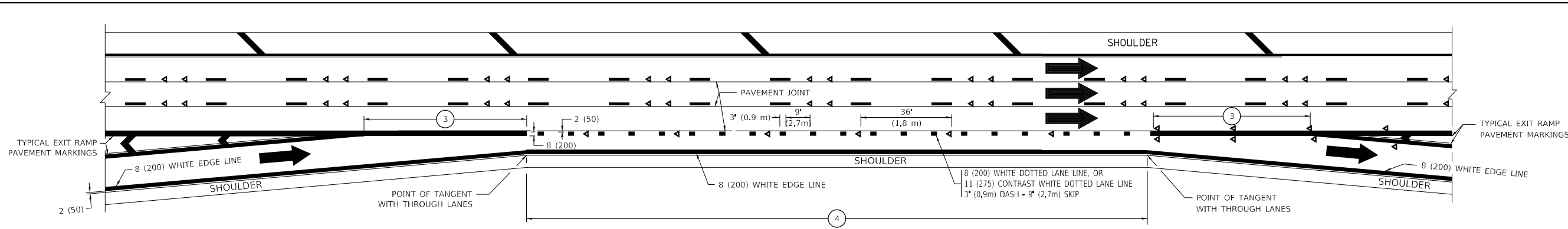
USER NAME	footem	DESIGNED	D.W.S.	REVISED	S.P.B. 01-07
DRAWN		REVISOR	S.P.B. 01-10	REVISED	M.D. 05-13
PLOT SCALE	50,0000 * / in.	CHECKED		REVISED	M.D. 09-17
PLOT DATE	3/4/2019	DATE	01-90		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

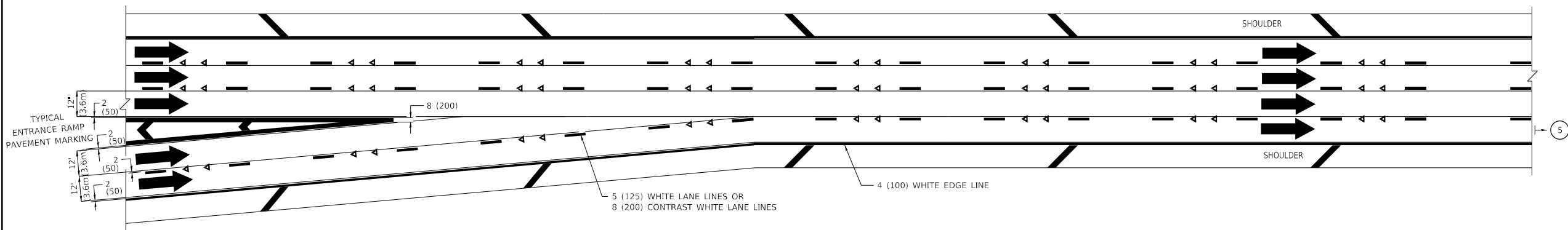
**MULTI-LANE FREEWAY  
PAVEMENT MARKING DETAILS**

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

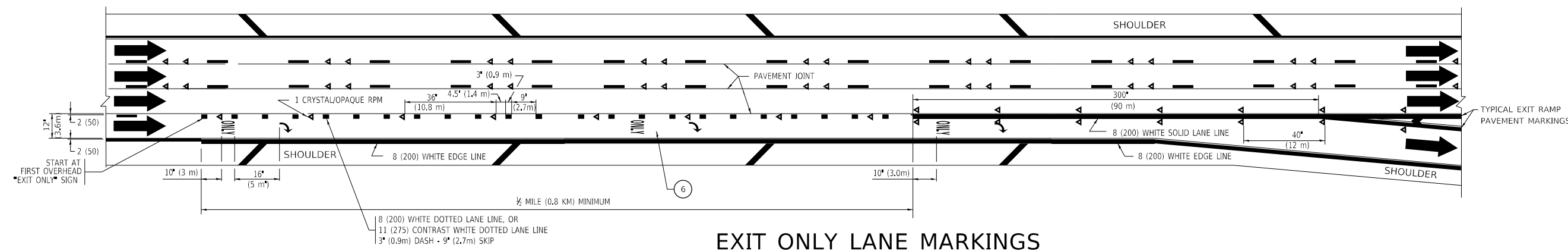
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	160
TC-12		CONTRACT NO. 62K30		
ILLINOIS FED. AID PROJECT				



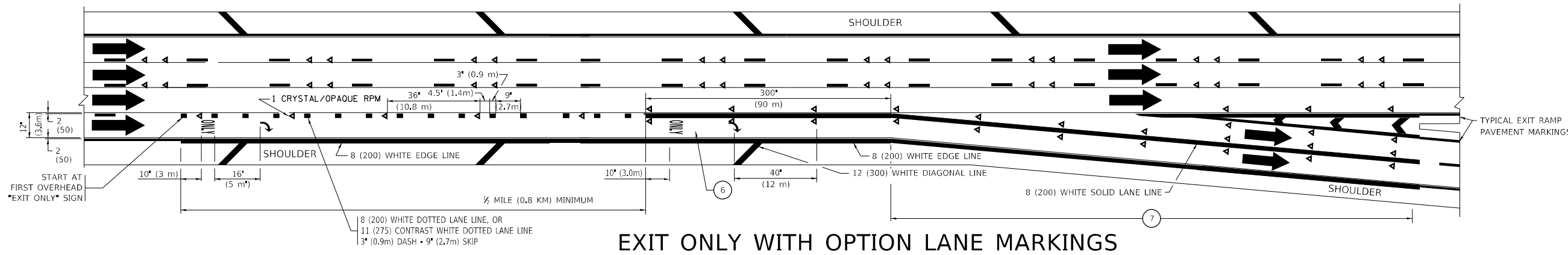
AUXILIARY LANE MARKINGS



TWO LANE ENTRANCE RAMP WITH MERGE MARKINGS



EXIT ONLY LANE MARKINGS



EXIT ONLY WITH OPTION LANE MARKINGS

- NOTES:**
- 3 OMIT WHEN LENGTH OF AUXILIARY LANE IS LESS THAN 500' (150 m).
  - 4 8-INCH WIDE DOTTED LANE LINE MARKINGS SHALL BE USED WHEN THE LENGTH OF THE AUXILIARY LANE IS 2 MILES OR LESS.
  - 5 FOR TWO-LANE ENTRANCE RAMP, IF RIGHT LANE ENDS, USE TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS.
  - 6 ONLY AND ARROWS EQUALLY SPACED, 500' (150 m) MAXIMUM SPACING, FULL SIZE LETTERS AND ARROW SHALL BE USED.
  - 7 CONTINUE 8" SOLID LANE LINE THROUGH EXIT TO END OF PAVED GORE.

MODEL: D:\ref\... FILE: I:\M&E\_Plan\1108\EBID\1108.dwg USER: JLD Date: 3/4/2019 10:37:33 AM User: jld

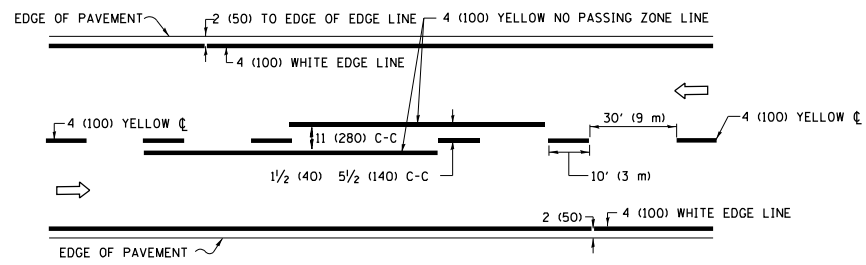
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DRAWN		REVISOR	S.P.B. 01-07	REVISOR	S.P.B. 01-10
PLOT SCALE	1/8" = 1'-0"	CHECKED		REVISOR	M.D. 09-17
PLOT DATE	3/4/2019	DATE	01-90		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

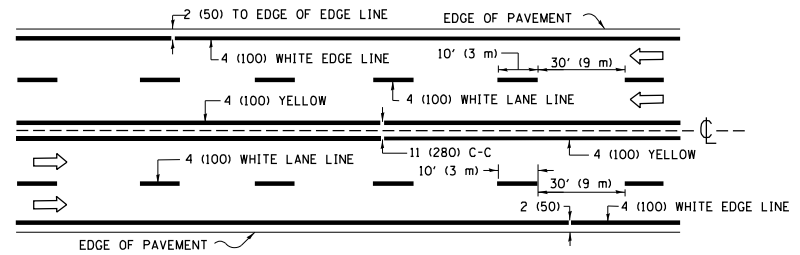
MULTI-LANE FREEWAY  
PAVEMENT MARKING DETAILS

SCALE: NONE SHEET 1 OF 2 SHEETS STA. TO STA.

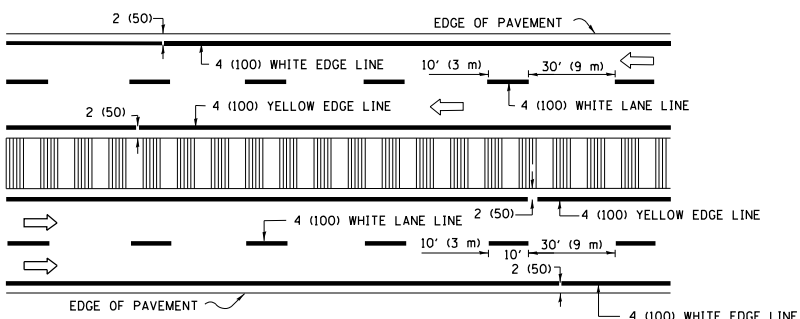
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	161
TC-12		CONTRACT NO. 62K30		
		ILLINOIS FED. AID PROJECT		



**2-LANE ROADWAY**

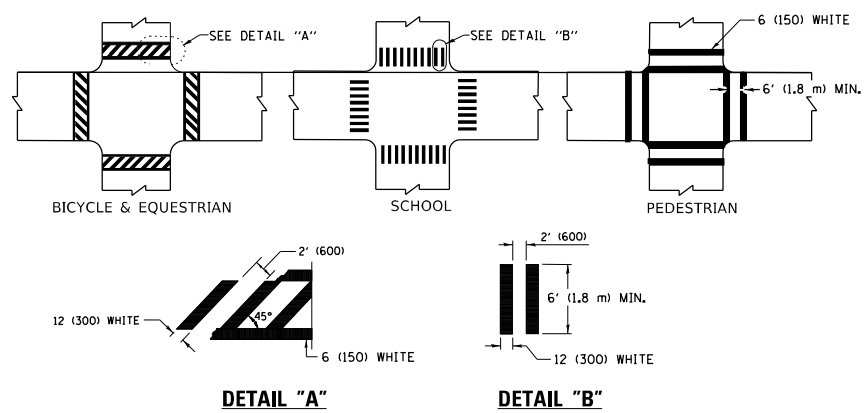


**MULTI-LANE UNDIVIDED**



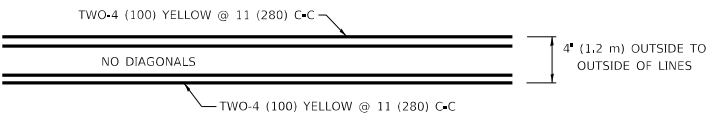
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

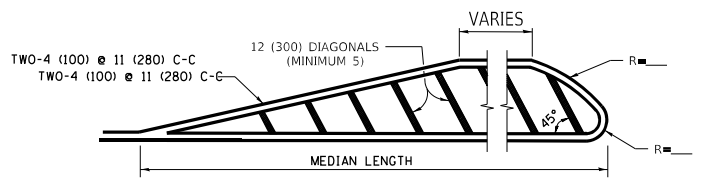


**TYPICAL CROSSWALK MARKING**

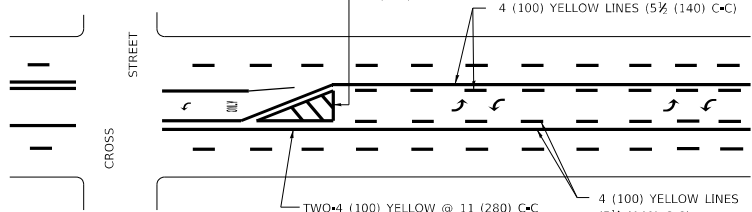
\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



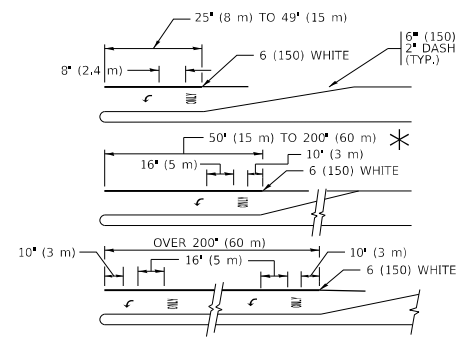
**4' (1.2 m) WIDE MEDIANS ONLY**



**MEDIANS OVER 4' (1.2 m) WIDE**



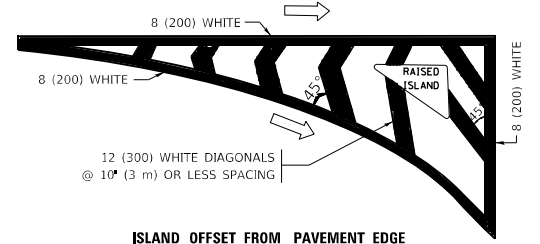
**MEDIAN WITH TWO-WAY LEFT TURN LANE  
TYPICAL PAINTED MEDIAN MARKING**



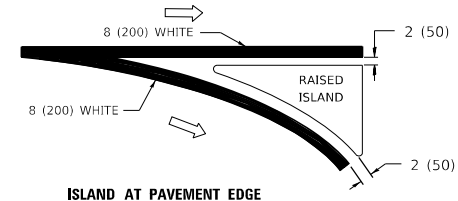
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

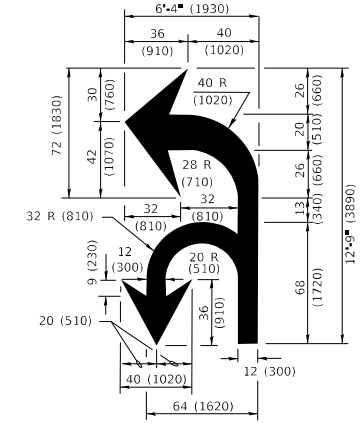
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - \*ONLY\* INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - \*ONLY\*.



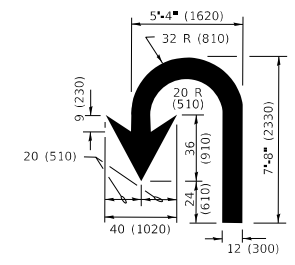
**ISLAND OFFSET FROM PAVEMENT EDGE**



**ISLAND AT PAVEMENT EDGE  
TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE: FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8" (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6" (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES "RR" IS 8" (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS > 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

MODEL: D:\ref\... FILE: I:\M&E\... PROJECT: I:\M&E\... SHEET: 13 OF 13

USER NAME	DESIGNED	REVISED
DRAWN	CHECKED	REVISED
PLOT SCALE	DATE	REVISED
PLOT DATE		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

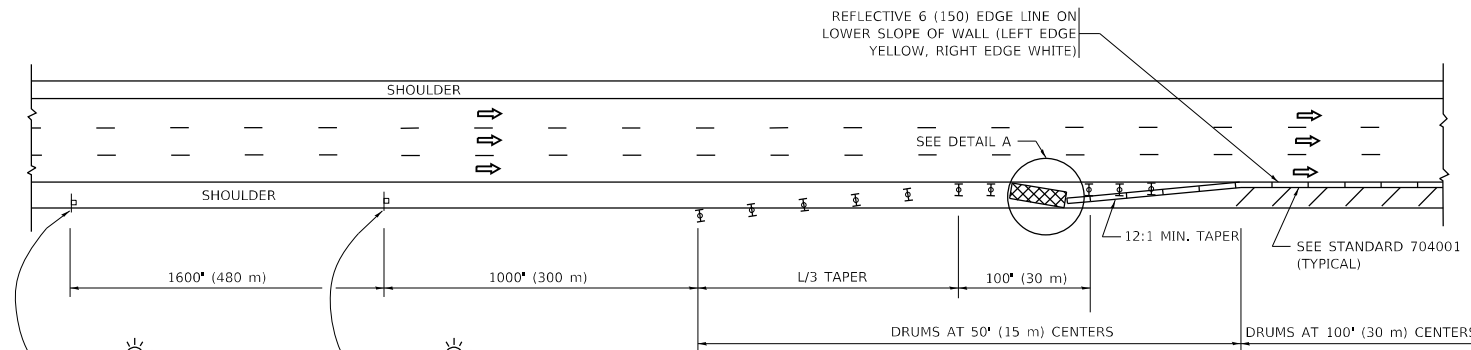
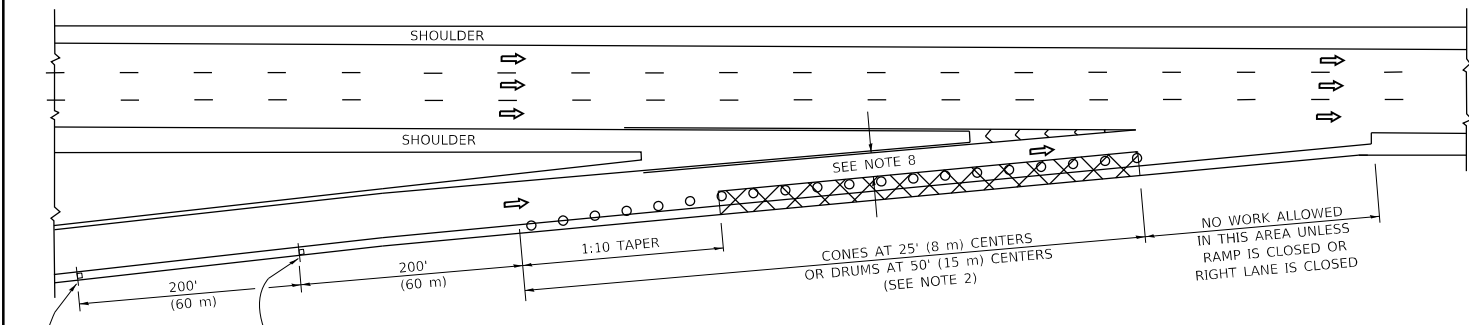
**DISTRICT ONE  
TYPICAL PAVEMENT MARKINGS**

SCALE: NONE	SHEET 1 OF 2 SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	162
TC-13			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				

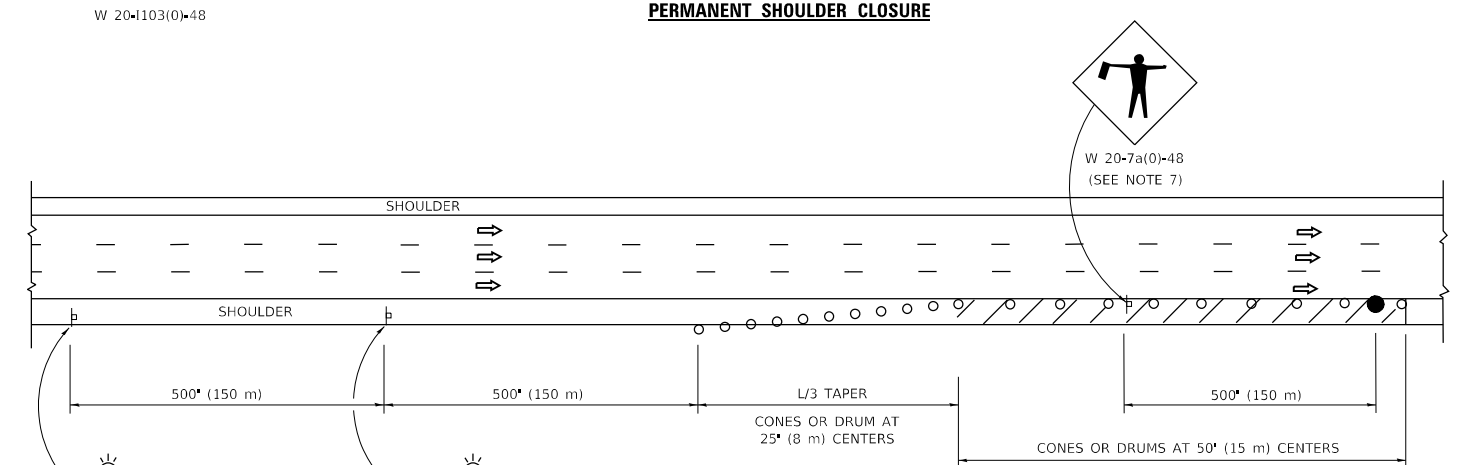
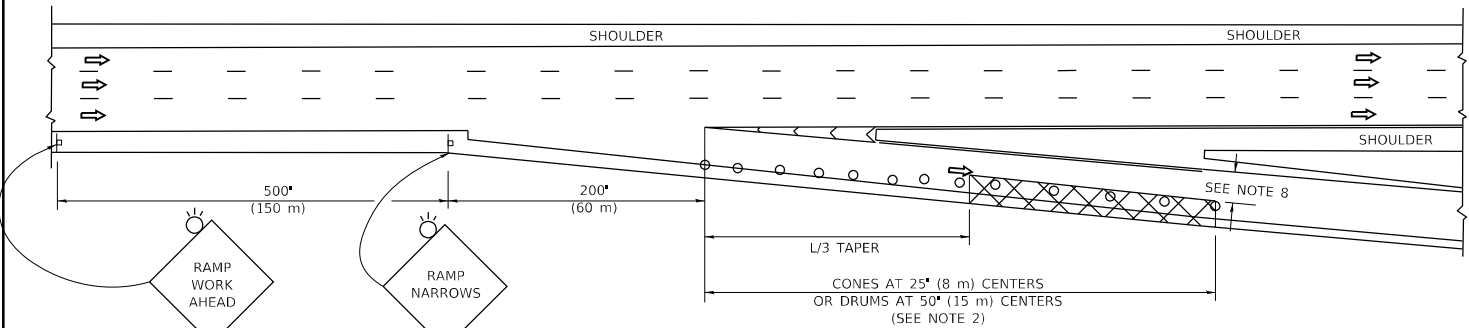
**PARTIAL RAMP CLOSURE DETAILS**

**SHOULDER CLOSURE DETAILS**



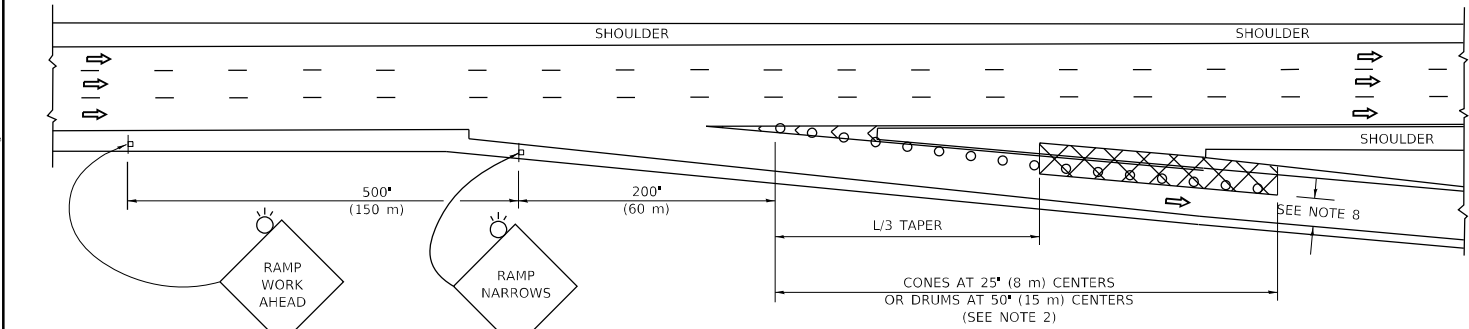
**TYPICAL ENTRANCE RAMP**

**PERMANENT SHOULDER CLOSURE**

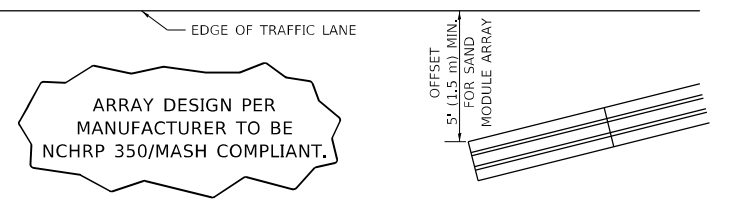


**TYPICAL EXIT RAMP**

**TEMPORARY SHOULDER CLOSURE**



THIS DETAIL IS USED WHERE:  
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCOACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



**DETAIL "A"  
IMPACT ATTENUATOR, TEMPORARY  
(SEE NOTE 5)**

**SYMBOLS**

- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

**GENERAL NOTES:**

1. THE "L" DISTANCE EQUALS:  

SPEED LIMIT		FORMULAS	
45 mph (80 km/h)	METRIC	L=0.65(W/S)	ENGLISH
OR GREATER:		L=(W/S)	

W = WIDTH OF OFFSET IN FEET (METERS)  
 S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES, TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
  - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
  - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCOACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

8. 12' MIN. WIDTH TANGENT SECTION  
16' MIN. WIDTH CURVE SECTION.
9. TEMPORARY SHOULDER AND NON-SYSTEM INTERCHANGE PARTIAL RAMP CLOSURES ARE ALLOWED WEEKDAYS BETWEEN 9:00 A.M. AND 3:00 P.M. AND BETWEEN 7:00 P.M. AND 5:00 A.M. OR AS APPROVED BY THE EXPRESSWAY TRAFFIC OPERATIONS ENGINEER. PERMANENT SHOULDER AND PARTIAL RAMP CLOSURES WILL ONLY BE PERMITTED IF CALLED FOR IN THE PLANS OR AS APPROVED BY THE EXPRESSWAY OPERATIONS ENGINEER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

MODEL: D:\ref\c...  
 FILE: I:\m\c...  
 PROJECT: I:\projects\1101\1101.dwg  
 PLOT DATE: 10/14/2020

USER NAME	DESIGNED	REVISED
M.eyssa	D.W.S.	S.P.B. 12-09
PLOT SCALE	CHECKED	REVISED
50,0000 * / in.	D.W.S.	M.D. 06-13
PLOT DATE	DATE	REVISED
10/14/2020	11-96	M.D. 01-18
		M.D. 10-20

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

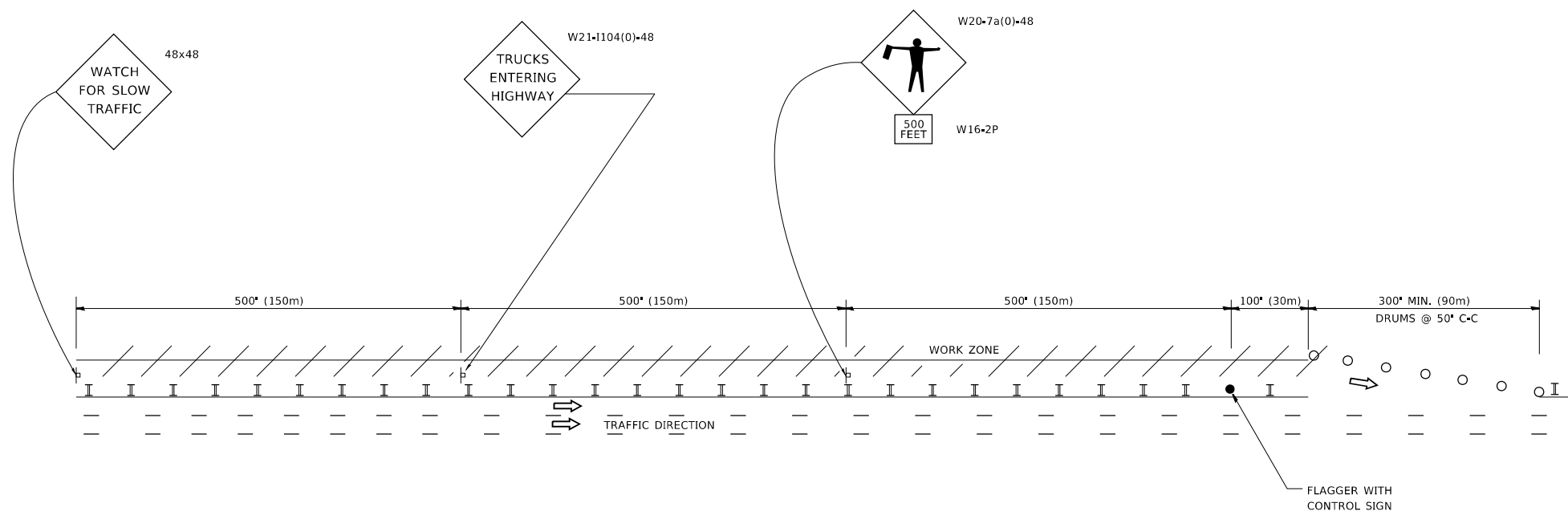
**TRAFFIC CONTROL DETAILS FOR FREEWAY  
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

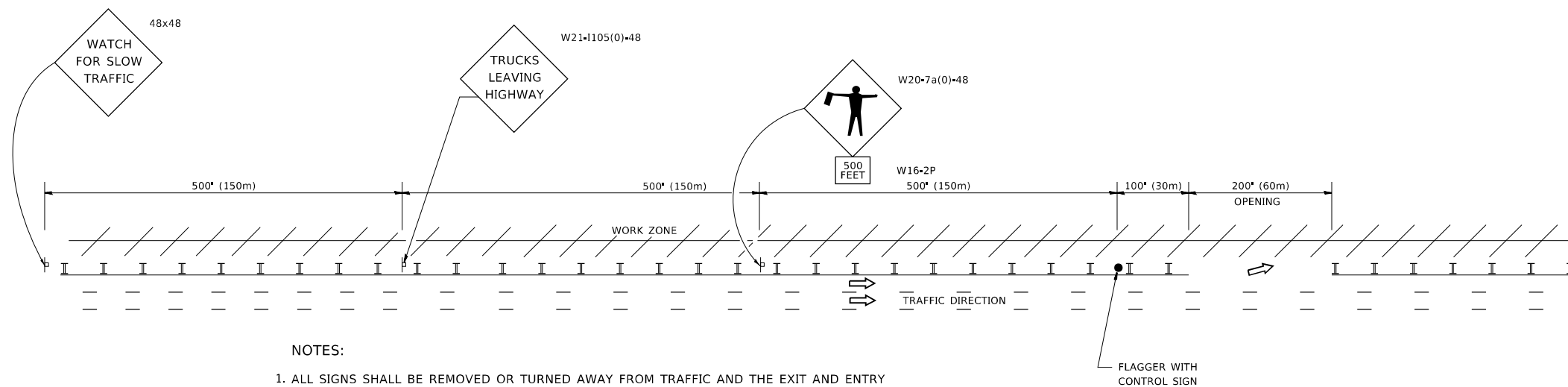
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	163
TC-17		CONTRACT NO. 62K30		
ILLINOIS FED. AID PROJECT				

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

**WORK ZONE EXIT OPENING**



**WORK ZONE ENTRY OPENING**



**NOTES:**

1. ALL SIGNS SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE OPENINGS SHALL BE A MINIMUM OF ONE HALF MILE APART AND A MINIMUM OF ONE QUARTER MILE FROM ALL ENTRANCE AND EXIT RAMP.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS
5. FLAGGERS SHALL NOT STOP TRAFFIC OR DIRECT TRAFFIC INTO AN ADJACENT LANE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

MODEL: D:\ref\... FILE: I:\m\m\p\... I:\m\m\p\... I:\m\m\p\...

USER NAME	DESIGNED	REVISED
FOOTEM	J.A.F. 02-06	J.A.F. 02-06
	DRAWN	REVISED
		S.P.B. 01-07
PLOT SCALE	CHECKED	REVISED
50,0000 * / in.		S.P.B. 12-09
PLOT DATE	DATE	REVISED
3/4/2019		M.D. 06-13

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**FREEWAY /EXPRESSWAY SIGNING FOR FLAGGING OPERATIONS  
AT WORK ZONE OPENINGS ON FREEWAYS /EXPRESSWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2019-154-RS	WILL	164	164
TC-18			CONTRACT NO. 62K30	
ILLINOIS FED. AID PROJECT				