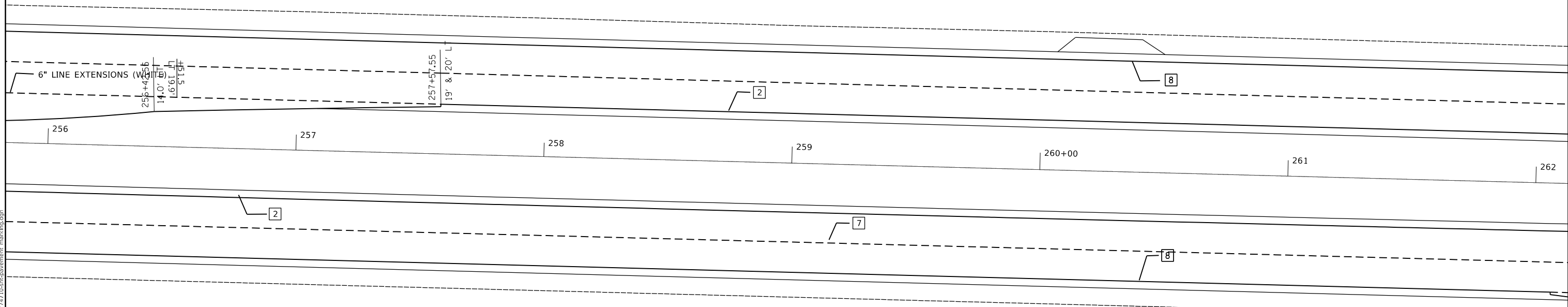


**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE \*NOTE: CROSS WALKS SHALL BE MODIFIED URETHANE AND WILL NOT BE GROOVED IN
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)

**TYPICAL PAVEMENT MARKERS LEGEND**

- TWO-WAY AMBER MARKER
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER



MODEL: Default  
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	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

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

**PAVEMENT MARKING DETAILS**  
**U.S. 36**

SCALE: 20 SHEET 30 OF 38 SHEETS STA. 256+00 TO STA. 262+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137z, 139-X-2)RS-2	MACON	262	201
*F.A.P. RTE. 320, 323, 323A		CONTRACT NO. 74710		
ILLINOIS FED. AID PROJECT				

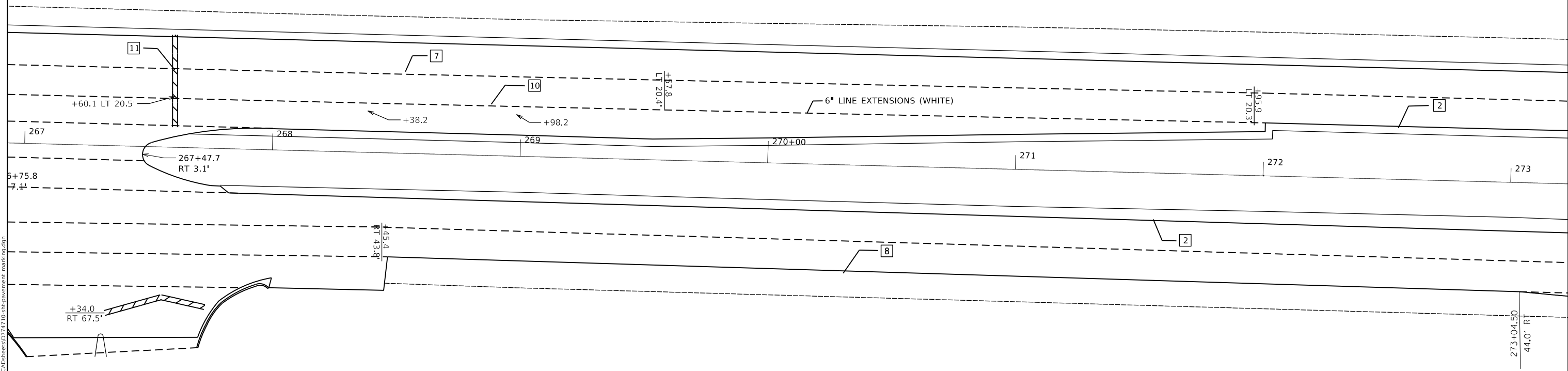


**PAVEMENT MARKING LEGEND**

- [1] 4" (100) SKIP-DASH (YELLOW)
- [2] 4" (100) SOLID (YELLOW)
- [3] 12" (300) DIAGONAL (YELLOW)
- [4] 4" (100) DOUBLE YELLOW (NARROW)
- [5] 12" (300) SOLID WHITE \*NOTE: CROSS WALKS SHALL BE MODIFIED URETHANE AND WILL NOT BE GROOVED IN
- [6] RESERVED
- [7] 6" (150) SKIP-DASH (WHITE)
- [8] 4" (100) SOLID (WHITE)
- [10] 6" (150) SOLID (WHITE)
- [11] 24" (600) STOP BAR (WHITE)

**TYPICAL PAVEMENT MARKERS LEGEND**

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



MODEL: Default  
 FILE: h:\m\c\p\pub\h\room\dat\illinois.gov\RWIDOT\Documents\IBDOT\_Offices\District\_7\Projects\74710\CAAD\BataCAD\Sheet\74710-510-pavement\_marking.dwg

USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

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

PAVEMENT MARKING DETAILS			
U.S. 36			
SCALE: 20	SHEET 32	OF 38 SHEETS	STA. 268+00 TO STA. 273+00

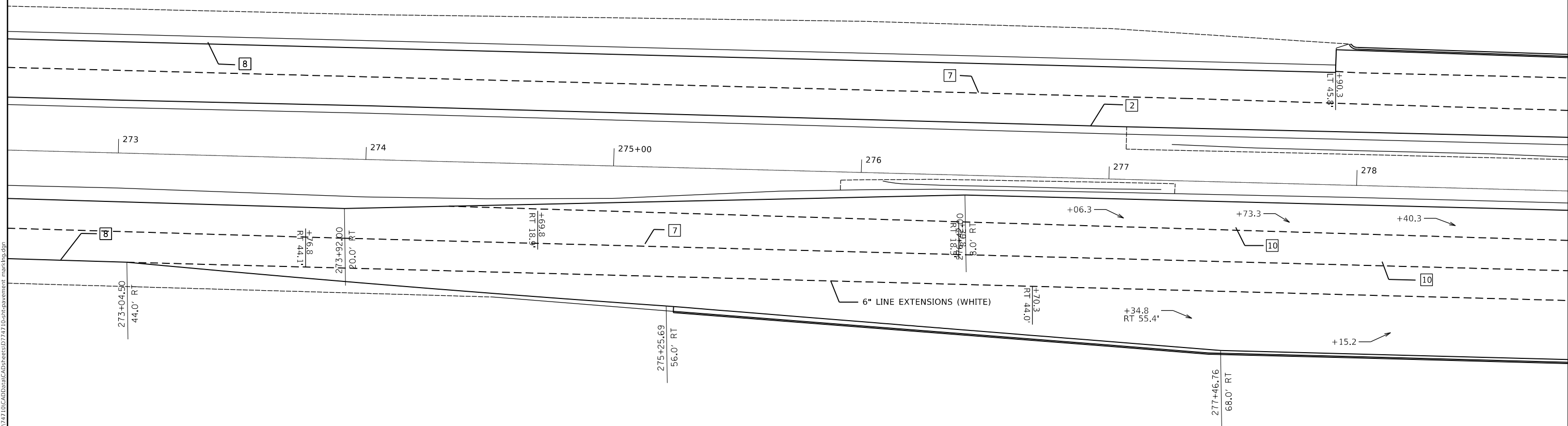
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137z, 139-X-2)RS-2	MACON	262	203
*F.A.P. RTE. 320, 323, 323A		CONTRACT NO. 74710		
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE \*NOTE: CROSS WALKS SHALL BE MODIFIED URETHANE AND WILL NOT BE GROOVED IN
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)

**TYPICAL PAVEMENT MARKERS LEGEND**

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



MODEL: Default  
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 DATE: 2/20/2020

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PLOT DATE = 2/20/2020	DATE -	REVISED -

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

**PAVEMENT MARKING DETAILS**  
**U.S. 36**

SCALE: 20 SHEET 33 OF 38 SHEETS STA. 273+00 TO STA. 278+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137z, 139-X-2)RS-2	MACON	262	204
*F.A.P. RTE. 320, 323, 323A		CONTRACT NO. 74710		
ILLINOIS FED. AID PROJECT				







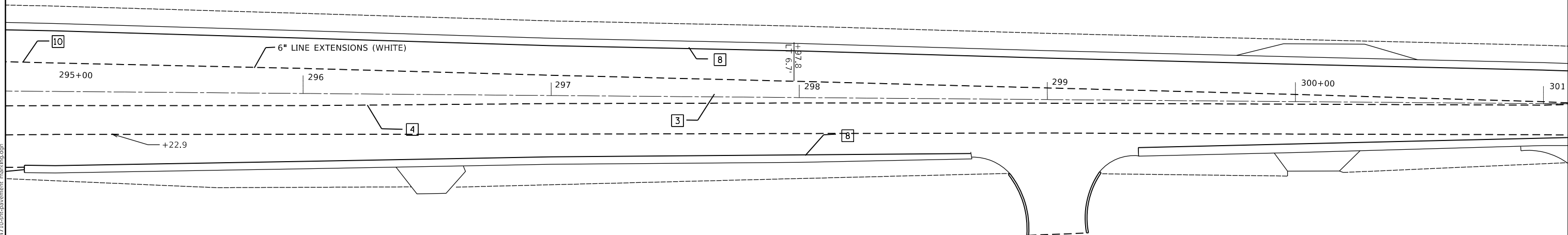


**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

**TYPICAL PAVEMENT MARKERS LEGEND**

- TWO-WAY AMBER MARKER
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER



MODEL: Default  
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USER NAME = steffemk	DESIGNED -	REVISED -
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	DATE -	REVISED -

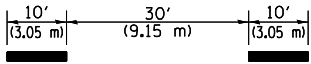
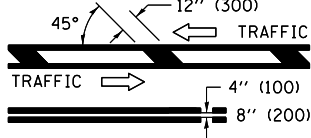
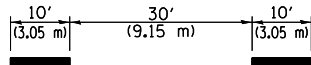
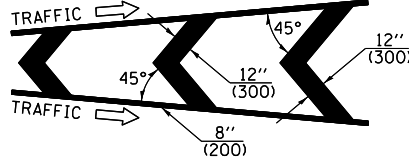
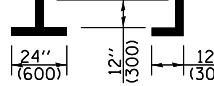
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS**  
**U.S. 36**




SCALE: 20 SHEET 37 OF 38 SHEETS STA. 295+00 TO STA. 301+00

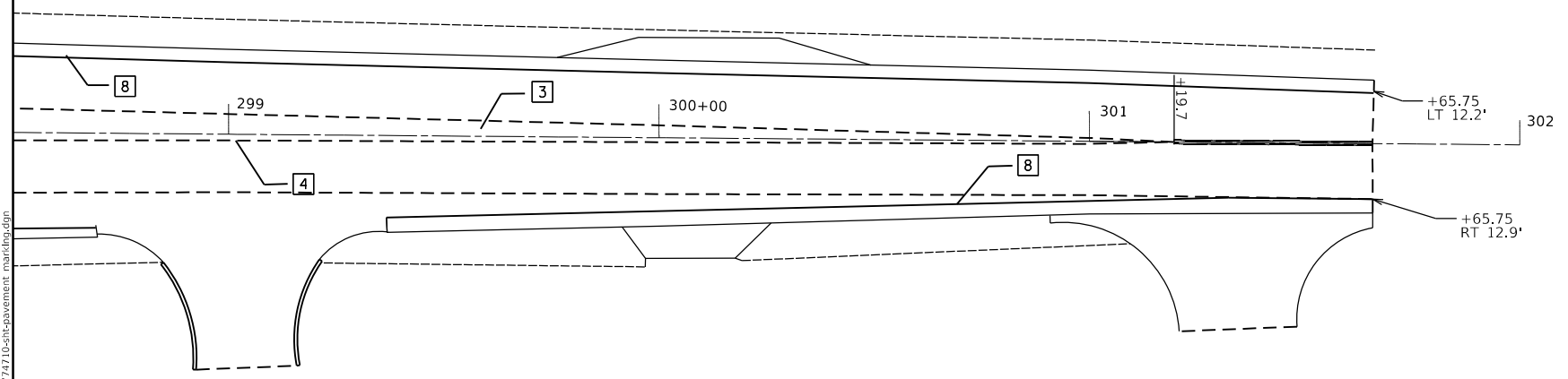
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*	(137z, 139-X-2)RS-2	MACON	262	208
*F.A.P. RTE. 320, 323, 323A		CONTRACT NO. 74710		
ILLINOIS FED. AID PROJECT				

**PAVEMENT MARKING LEGEND**

- 1 4" (100) SKIP-DASH (YELLOW) 
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW) 
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE) 
- 8 4" (100) SOLID (WHITE) 
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE) 
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

**TYPICAL PAVEMENT MARKERS LEGEND**

-  TWO-WAY AMBER MARKER
-  ONE-WAY AMBER MARKER
-  ONE-WAY CRYSTAL MARKER



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USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

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

<b>PAVEMENT MARKING DETAILS</b>			
<b>U.S. 36</b>			
SCALE: 20	SHEET 38	OF 38 SHEETS	STA. 301+00 TO STA. 301+65.75

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137z, 139-X-2)RS-2	MACON	262	209
*F.A.P. RTE. 320, 323, 323A		CONTRACT NO. 74710		
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL GENERAL NOTES

THIS TRAFFIC SIGNAL PORTION OF THIS PROJECT CONSISTS OF TRAFFIC SIGNAL MODERNIZATION AT 4 SEPARATE INTERSECTIONS ALONG US RTE 36. (US 36 AND 22ND STREET, US 36 AND PRAIRIE STREET, US36 AND WOOD & NELSON STREETS, US 36 AND 27TH STREET), ALSO REPLACING THE LOOPS ACROSS THE RR AT US 36 & COUNTY CLUB ROAD, 44TH STREET AND AIRPORT ROAD. ALL IN THE CITY OF DECATUR MACON COUNTY. THE WORK INCLUDED IN THIS SECTION CONSISTS OF INSTALLING TRAFFIC SIGNALS AND ALL OTHER WORK NECESSARY TO COMPLETE THIS PORTION OF THIS PROJECT.

THE EXISTING UTILITY LINES ARE SHOWN ON THE PLANS TO INDICATE THEIR PRESENCE AND APPROXIMATE LOCATION. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION. CALL J.U.L.I.E. AT 1-800-892-0123. THE TRAFFIC SIGNAL UTILITY LINES WILL BE LOCATED BY IDOT, CALL 217-342-3951.

THE TRAFFIC SIGNAL ENGINEER AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION JOSH PORTER SHALL BE NOTIFIED AT 217-342-5677 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNIT AND 48 HOURS PRIOR TO ANY SIGNAL ADJUSTMENTS.

THE SIZE OF THE CABLE SUPPLIED SHALL BE EQUAL TO OR GREATER THAN THE SIZE OF THE CABLE REQUIRED TO CARRY THE LOAD BETWEEN THE CONTROLLER AND THE SERVICE INSTALLATION.

THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNALS ARE TURNED ON. THE REPRESENTATIVE SHALL MAKE CERTAIN THAT ALL EQUIPMENT OPERATES TO THE SATISFACTION OF THE ENGINEER.

A 2 FOOT MINIMUM, 6 FOOT DESIRABLE, HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE BACK OF CURB TO THE EDGE OF HANDHOLES, JUNCTION BOXES AND SIGNAL POST FOUNDATIONS. A 5 FOOT MINIMUM HORIZONTAL CLEARANCE SHALL BE MAINTAINED FROM THE BACK OF THE CURB TO ALL MAST ARM FOUNDATIONS. CONTROLLER FOUNDATIONS SHALL BE LOCATED AS FAR FROM THE BACK OF THE CURB AS POSSIBLE TO PROTECT THE CONTROLLER CABINET.

ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON- LEAD BASED ANTI -SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.

NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.

THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE ELECTRICAL WORK PAY ITEM.

THE NUMBER OF CONDUCTORS FOR ELECTRIC CABLES AS SHOWN ON THE PLANS SHALL BE THE MINIMUM NUMBER OF CONDUCTORS FURNISHED FOR EACH LOCATION. THE CONTRACTOR MAY SUBSTITUTE AN ELECTRIC CABLE WITH MORE CONDUCTORS THAN SPECIFIED BUT NO ADDITIONAL COMPENSATION WILL BE MADE FOR THE EXTRA CONDUCTORS.

ALL NEW TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES WILL NOT BE ALLOWED.

ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.

ALL MAST ARM MOUNTED SIGNAL HEADS SHALL BE MOUNTED AS TO ALIGN WITH THE CENTER OF THE LANE UNLESS OTHERWISE SHOWN ON THE PLANS.

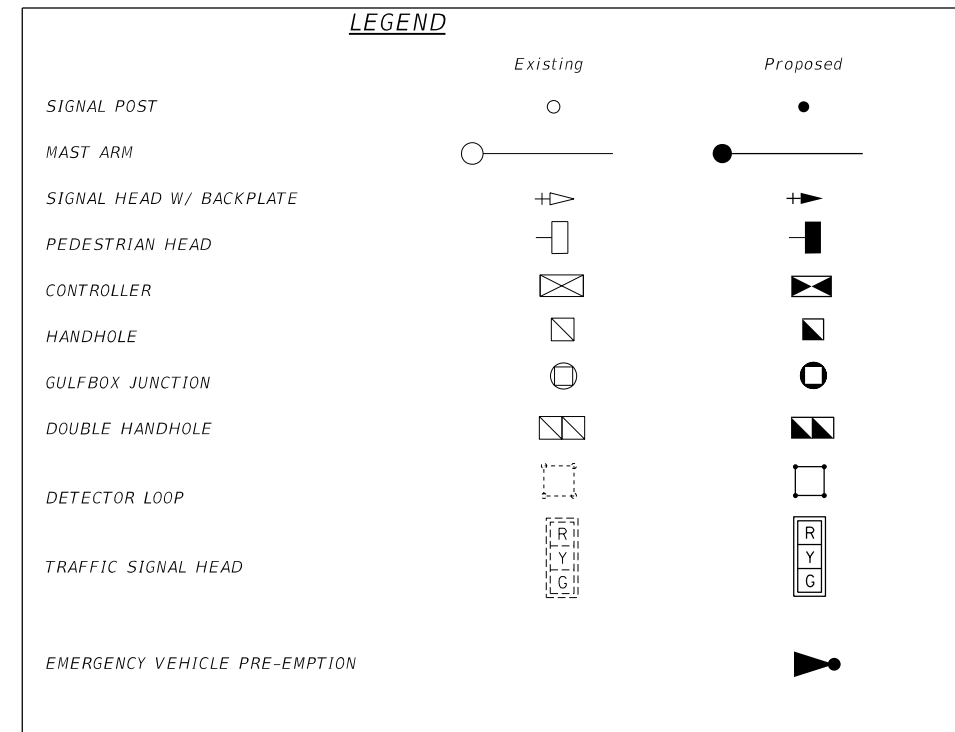
12" LENSES WILL BE USED ON ALL SIGNAL FACES.

TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN -ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED SIGNAL HEAD PAY ITEMS.

ALL TRAFFIC SIGNAL MAST ARM ASSEMBLIES (STANDARD, COMBINATION, OR DUAL) MUST BE DESIGNED FOR THE LOADINGS SHOWN ON THE HIGHWAY STANDARDS OR THESE SIGNAL PLANS, WHICHEVER IS GREATER.

THE STATION AND OFFSET SHOWN FOR THE ITEMS TO BE INSTALLED IS THE STATION AND DISTANCE TO THE CENTER OF THE ITEM.

THE EMERGENCY VEHICLE PRE-EMPTION EQUIPMENT, MOUNTING HARDWARE AND WIRING WILL BE SUPPLIED BY THE CITY OF DECATUR. THE INSTALLATION WILL BE DONE BY THE CONTRACTOR.



NUMBER OF TURNS REQUIRED IN DETECTOR LOOPS

6 X 6		6 X 30		6 X 40		LOOP SIZE
		0	491	0	627	2 TURNS
		492	982	628	1255	3 TURNS
0	545	983	1636	1256	2091	4 TURNS
546	818	1637	2455	2092	3136	5 TURNS
819	1145	2456	3436			6 TURNS
1146	1527					7 TURNS
1528	1964					8 TURNS
1965	2455					9 TURNS
2456	3000					10 TURNS

Distance from the Controller Cabinet

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USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 19.9998 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTIONS OF US 36  
GENERAL NOTES AND DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	210
CONTRACT NO. 74710			ILLINOIS FED. AID PROJECT	

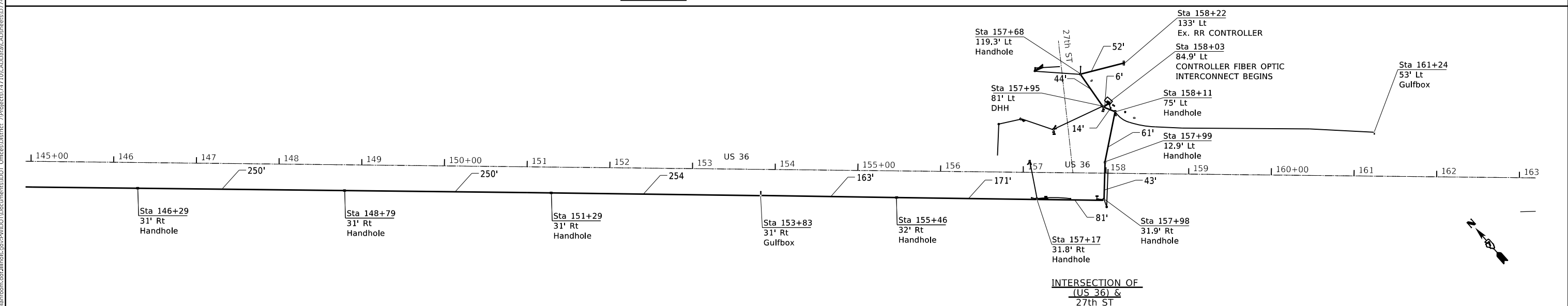
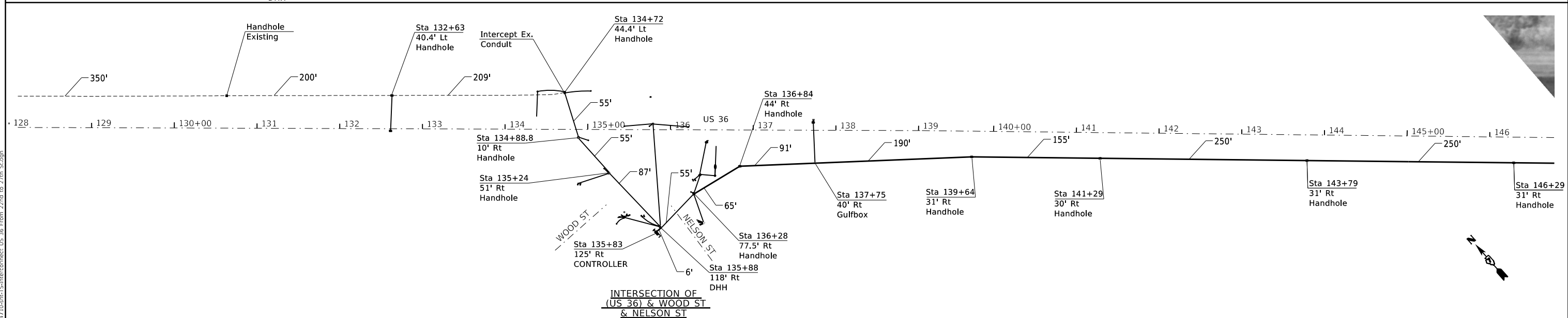
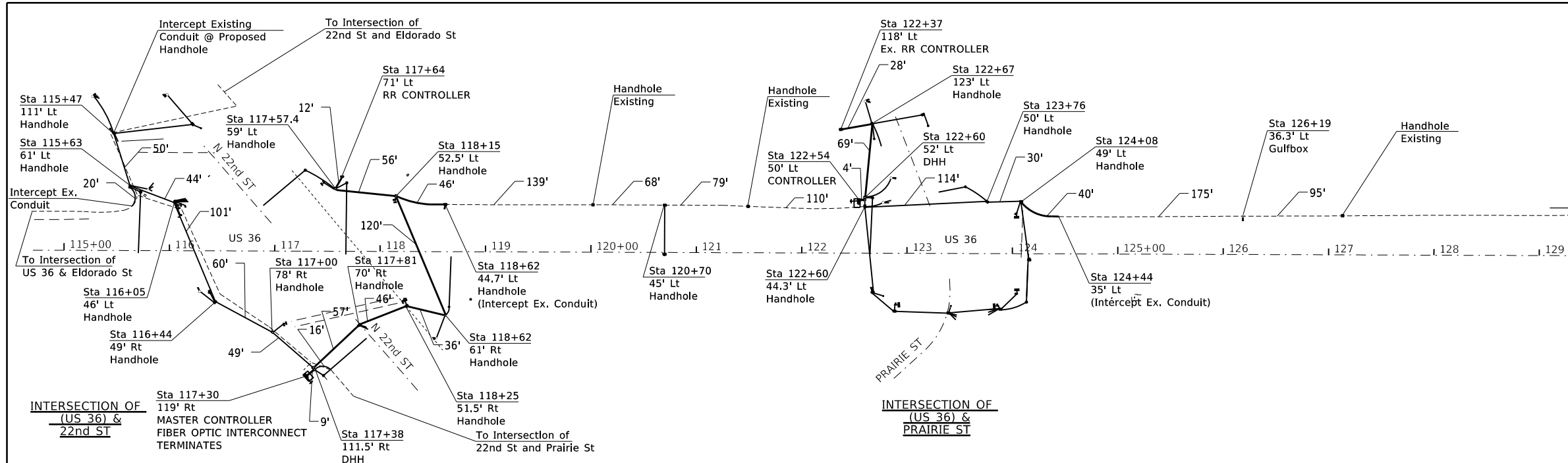
**FIBER OPTIC INTERCONNECT**

**FROM 22nd ST TO 27th ST**

The proposed Fiber Optic Interconnect will be installed from the controller cabinet at 22nd St to each controller cabinet along US 36 and ending at 27th St. The Master Controller will be installed in the proposed cabinet at 22nd St. Locations as shown for the existing conduit and handholes along the interconnect from 22nd St to Wood and Nelson St. were obtained from existing plans not field measurements. Final locations and lengths will be determined in the field.

The Existing Fiber Optic Interconnect wiring 62.5/125 6F FO will be pulled from 22nd St to Wood & Nelson St and new 62.5/125 6F FO will be installed. Final locations and lengths will be determined in the field.

New Fiber Optic Interconnect wiring 62.5/125 6F FO and conduit will be installed from Wood & Nelson St to 27th St. Final locations and lengths will be determined in the field.



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PROJECT: 74710\CADD\Drawings\DOT\Office\Drawings\74710\Fiber\US-36-Interconnect-22nd-to-27th-St.dwg

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	DRAWN -	REVISD -
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PLOT DATE = 2/21/2020	DATE -	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

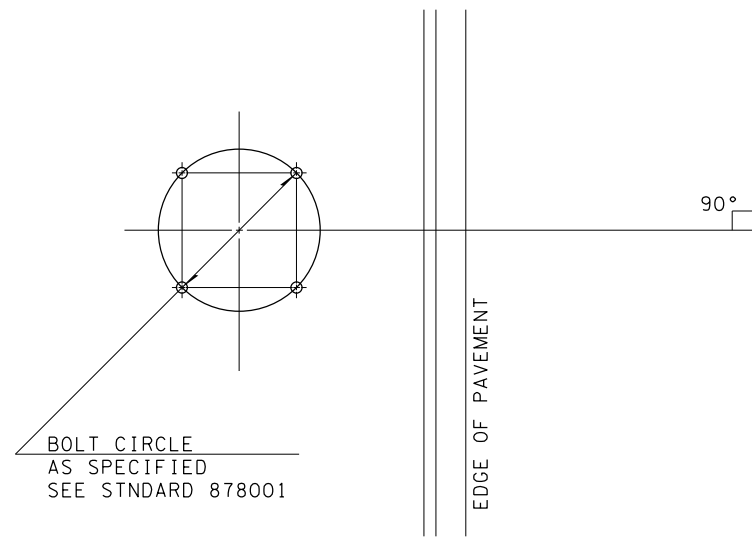
**US RTE 36 22nd to 27th STREET  
OVERVIEW OF FIBER OPTIC INTERCONNECT**

SCALE: SHEET OF SHEETS STA. TO STA.

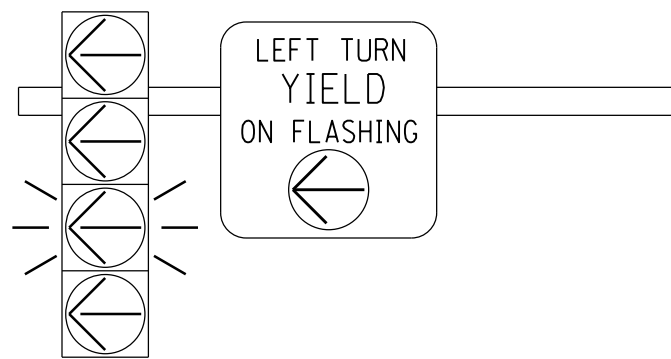
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137z, 139-X-2)RS-2	MACON	262	211
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				





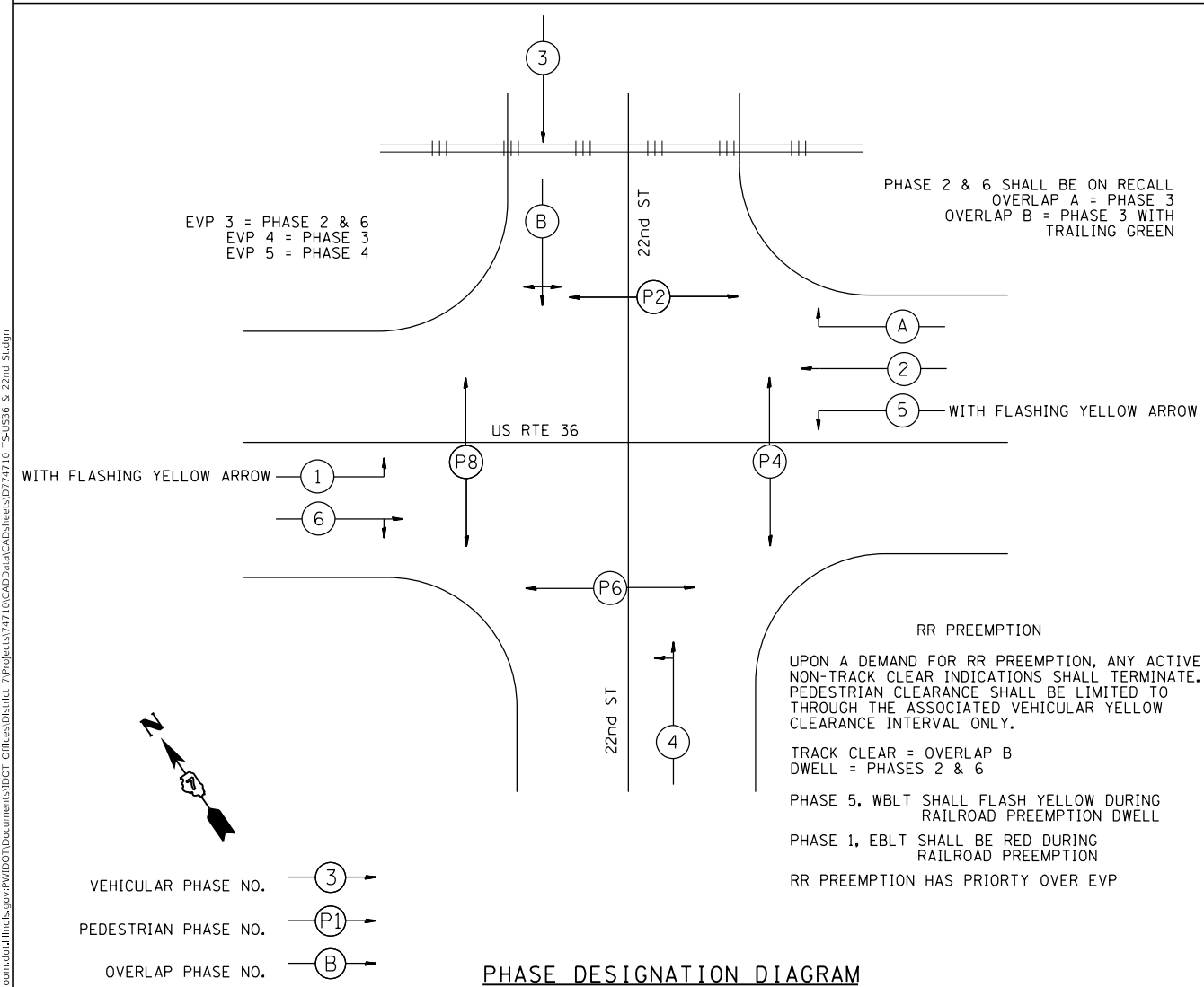
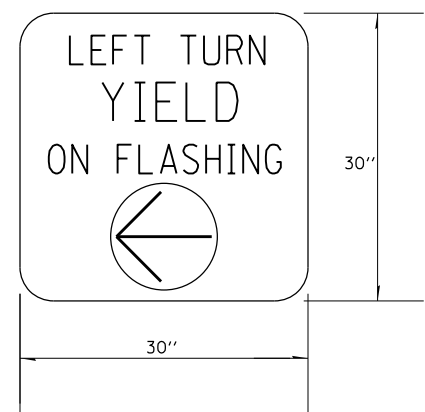


DETAIL OF MAST ARM FOUNDATION  
BOLT PATTERN



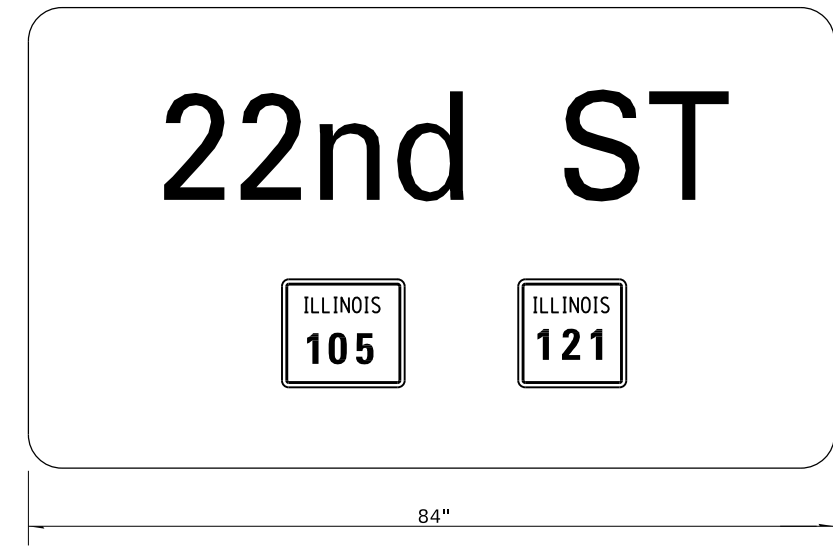
FLASHING YELLOW ARROW  
SIGN PANEL DETAILS

1. SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
2. AP SHEETING.
3. SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
4. ILLINOIS STANDARD R10-I109a SIGN.



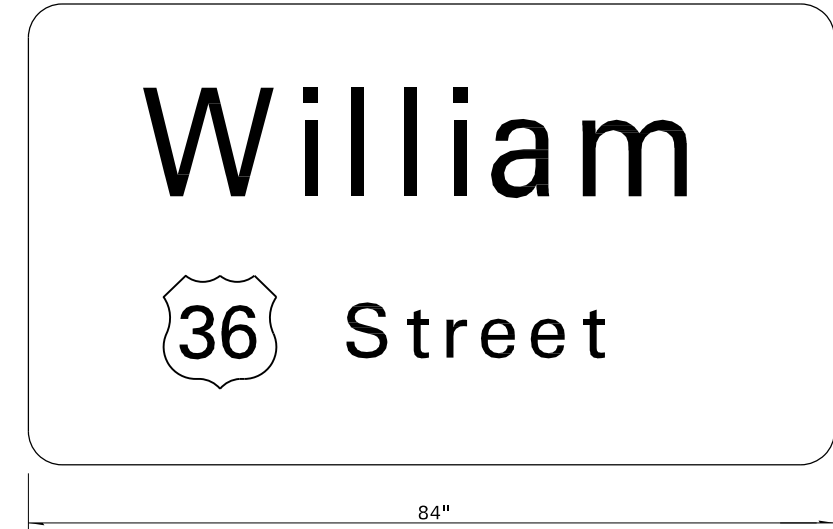
PHASE DESIGNATION DIAGRAM

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 115+54 43.3' LT)  
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 118+74 51.8' RT)

1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 117+68 74' LT)

SIGN PANEL DETAILS

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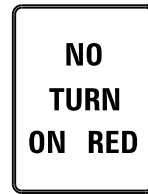
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	DRAWN -	REVISED -
PLOT SCALE = 19.9998 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERSECTION OF US RTE 36 & 22nd ST  
DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	213
CONTRACT NO. 74710				
ILLINOIS		FED. AID PROJECT		



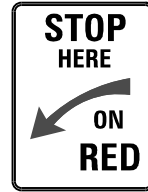
24"x30"  
Black on White  
MUTCD SIGN DESIGNATION R10-11

TO INSTALLED ON WB SIGNAL POST (STA 118+14 49.2' LT)  
TO INSTALLED ON SB SIGNAL POST (STA 115+43 116' LT)



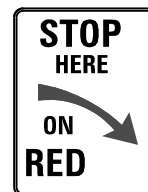
24"x30"  
Black on White  
MUTCD SIGN DESIGNATION R8-8

TO INSTALLED ON SB SIGNAL POST (STA 116+07.8 43.2' LT)  
TO INSTALLED ON EXISTING SIGN POST IN MEDIAN (STA 116+74 64.6' LT)



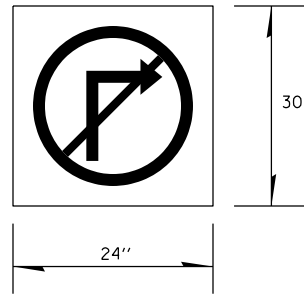
24"x30"  
Black on White  
MUTCD SIGN DESIGNATION R10-6A

TO INSTALLED ON SB SIGNAL POST (STA 115+43 116' LT)



24"x30"  
Black on White  
MUTCD SIGN DESIGNATION R10-6A

TO INSTALLED ON SB POST IN MEDIAN (STA 115+97 155' LT)



ILLUMINATED SIGN, LED

LED BLANK OUT, RAILROAD PRE-EMPTIVE ACTIVATION

TO BE INSTALLED ON MAST SIGNAL POST (STA 117+29 77' LT)  
TO BE INSTALLED ON TRAFFIC SIGNAL HEAD POST (STA 118+14 49.2' LT)

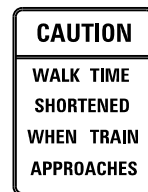


36"x15"  
Black on White

36"x36"

Black on White  
MUTCD SIGN DESIGNATION MI-4

TO BE INSTALLED ON WESTBOUND MAST ARM (STA 115+72.5 55.7' RT)



18"x24"  
Black on White  
ILLINOIS SUPPLEMENT TO THE  
MUTCD SIGN DESIGNATION W10-1101

- (2) TO BE INSTALLED ON PED & TRAFFIC SIGNAL HEAD POST (STA 116+07.8 43.2' LT)
- (1) TO BE INSTALLED ON PED & TRAFFIC SIGNAL HEAD POST (STA 116+39 40.3' RT)
- (1) TO BE INSTALLED ON PED SIGNAL HEAD POST (STA 117+08.6 69' RT)
- (1) TO BE INSTALLED ON PED SIGNAL HEAD POST (STA 117+46.4 65.1' RT)
- (1) TO BE INSTALLED ON PED & TRAFFIC SIGNAL HEAD POST (STA 118+14 49.2' LT)
- (2) TO BE INSTALLED ON PED & TRAFFIC SIGNAL HEAD POST (STA 118+23.8 47' LT)

## SIGN PANEL DETAILS

MODEL: Default  
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PLOT SCALE = 19.9998 ' / in.	CHECKED -
PLOT DATE = 2/20/2020	DATE -

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REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & 22nd ST  
SIGN PANNEL DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	214
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				

US RTE 36 22ND STREET ST-BILL OF MATERIALS

ITEM	UNIT	QUANTITY
SIGN PANEL-TYPE 1	SQ FT	86
SIGN PANEL-TYPE 3	SQ FT	84
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, PVC 3/4" DIA.	FOOT	167
UNDERGROUND CONDUIT, PVC 1 1/2" DIA.	FOOT	260
UNDERGROUND CONDUIT, PVC 2" DIA.	FOOT	95
UNDERGROUND CONDUIT, PVC 4" DIA.	FOOT	457
UNDERGROUND CONDUIT, PVC 5" DIA.	FOOT	266
HANDHOLE	EACH	12
DOUBLE HANDHOLE	EACH	1
GULFBOX JUNCTION	EACH	4
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
RAILROAD FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	1
MASTER CONTROLLER	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER-FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C	FOOT	2740
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 5C	FOOT	5350
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 7C	FOOT	2582
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO 14 1 PAIR	FOOT	3785
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO 14 3C	FOOT	399
ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 2C	FOOT	16
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO 6 1C	FOOT	1015
TRAFFIC SIGNAL POST, GALVANIZED STEEL 8 FT	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT	EACH	2
PEDESTRIAN PUSH BUTTON POST	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 58 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 68 FT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	24
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	88
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	15
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-4-SECTION, 1-5-SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	28

US RTE 36 22ND STREET ST-BILL OF MATERIALS

ITEM	UNIT	QUANTITY
INDUCTIVE LOOP DETECTOR	EACH	14
DETECTOR LOOP, TYPE 1	FOOT	1828
PEDESTRIAN PUSH-BUTTON	EACH	8
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
SPARE FULL ACTUATED CONTROLLER, SPECIAL	EACH	1
ILLUMINATED SIGN, SPECIAL	EACH	2
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1

The below BILL OF MATERIALS is for the quantities along US 36 from 22nd St to 27th St. along with the existing Fiber Optic Interconnect that will be removed and replaced from the intersections of Eldorado St. & 22nd, US 36 & Eldorado St., and E. Prairie & 22nd St. The Proposed Fiber Optic Interconnect will extend from 22nd St to 27th St for continuity of the traffic signal system. A proposed Master Controller and a Full Actuated Controller shall replace the existing controller at US 36 & 22nd St. The existing controller has 3 Fiber Optic Interconnect Cables terminating. The proposed master controller will have 4 Fiber Optic Interconnect Cables terminating. Connecting a total of 7 intersections.

US RTE 36 INTERCONNECT-TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
HANDHOLE	EACH	9
FIBER OPTIC CABLE IN CONDUIT, NO 62.5/125, 6F	FOOT	7592
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3647

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	DATE -	REVISED -

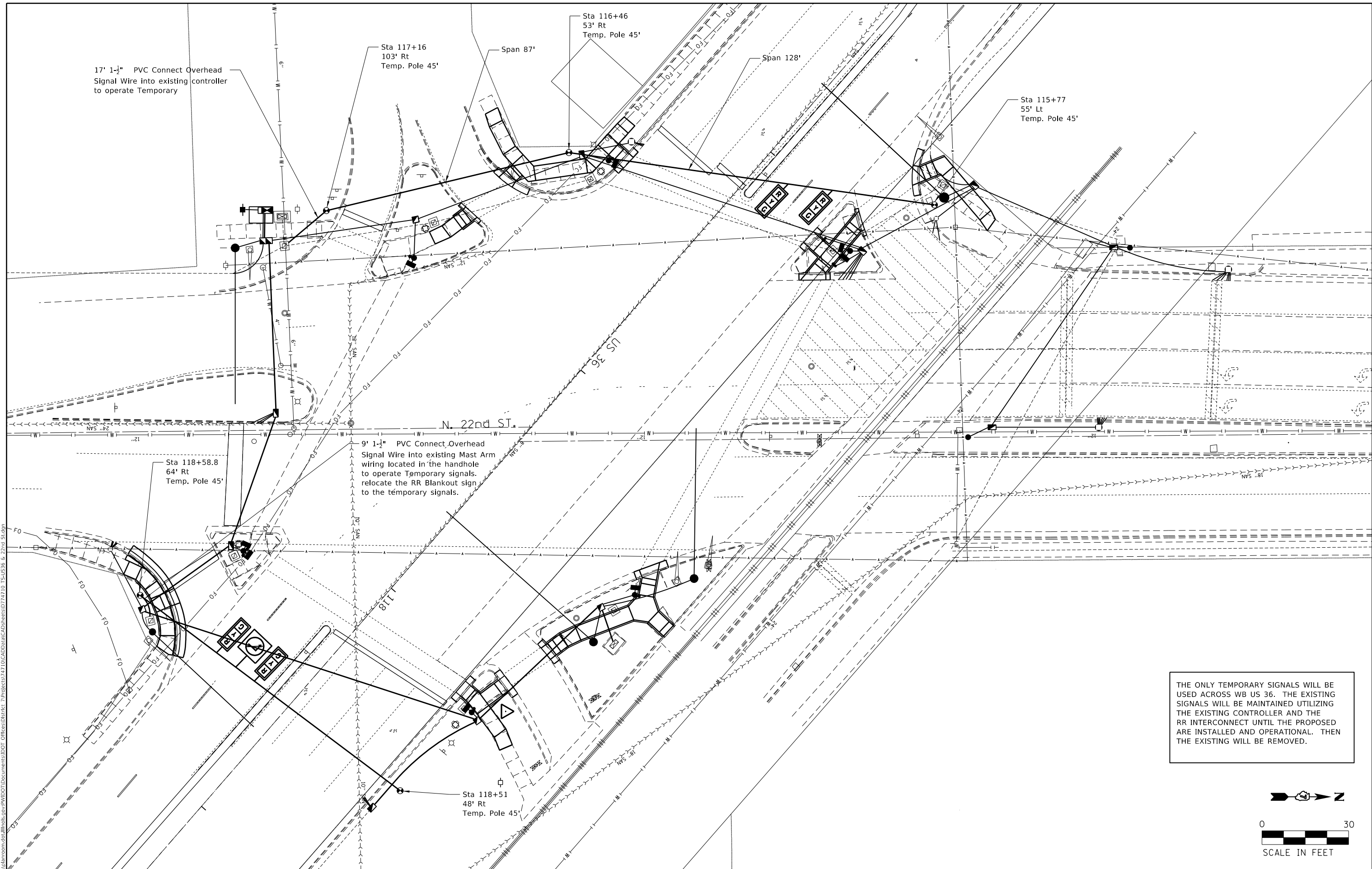
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & 22nd ST  
BILL OF MATERIALS**

SCALE: SHEET OF SHEETS STA. TO STA.

\*F.A.P. 323 & F.A.U. 7404

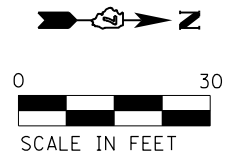
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320	(137Z, 139-X-2)RS-2	MACON	262	215
			CONTRACT NO. 74710	
		ILLINOIS	FED. AID PROJECT	



17' 1-1/2" PVC Connect Overhead Signal Wire into existing controller to operate Temporary

9' 1-1/2" PVC Connect Overhead Signal Wire into existing Mast Arm wiring located in the handhole to operate Temporary signals. relocate the RR Blankout sign to the temporary signals.

THE ONLY TEMPORARY SIGNALS WILL BE USED ACROSS WB US 36. THE EXISTING SIGNALS WILL BE MAINTAINED UTILIZING THE EXISTING CONTROLLER AND THE RR INTERCONNECT UNTIL THE PROPOSED ARE INSTALLED AND OPERATIONAL. THEN THE EXISTING WILL BE REMOVED.



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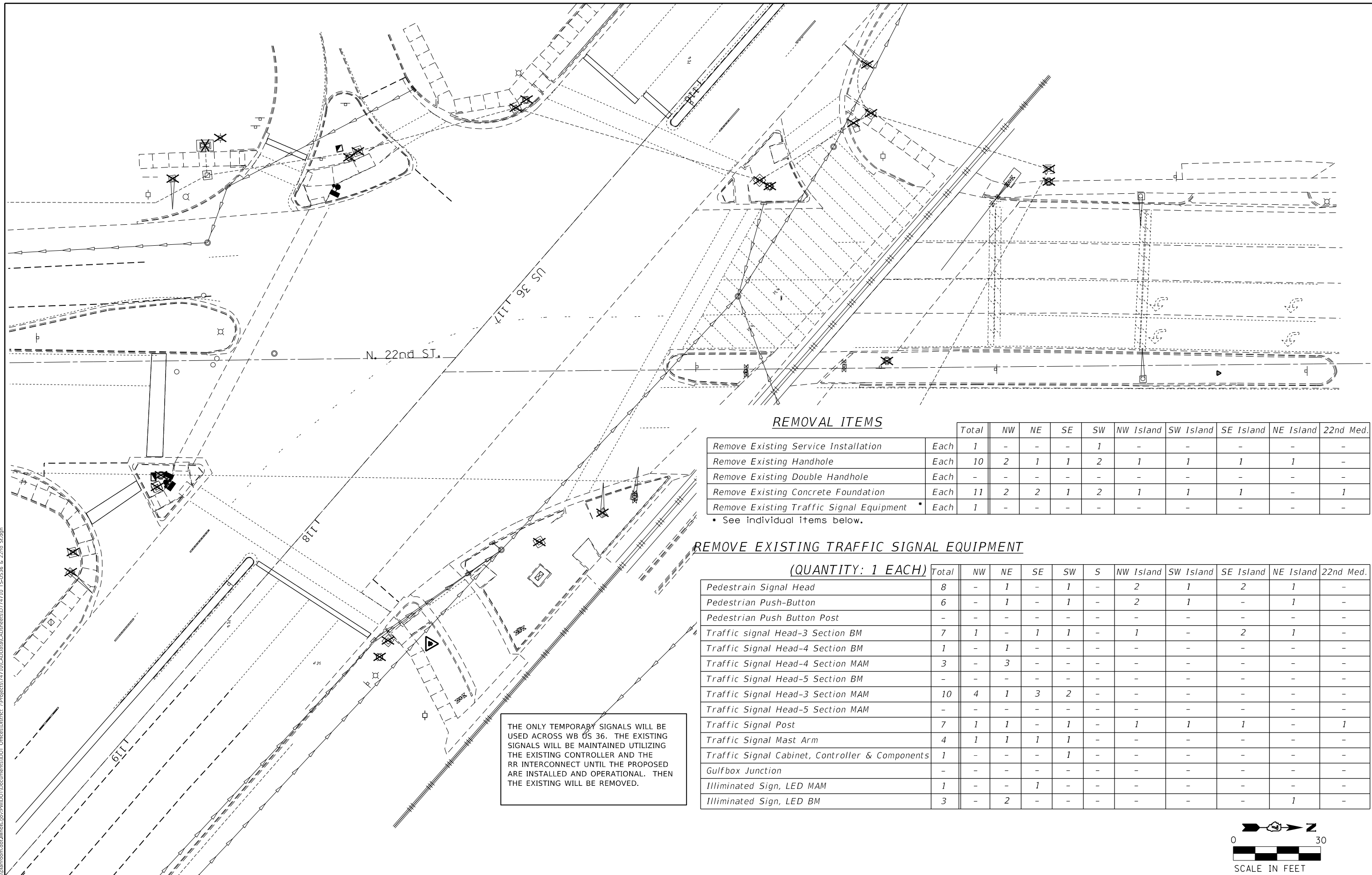
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PLOT DATE = 2/20/2020	DATE -	REVISED -

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

<b>INTERSECTION OF US RTE 36 &amp; 22nd ST</b>				
<b>TEMPORARY SIGNAL LAYOUT</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	216
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				

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THE ONLY TEMPORARY SIGNALS WILL BE USED ACROSS WB US 36. THE EXISTING SIGNALS WILL BE MAINTAINED UTILIZING THE EXISTING CONTROLLER AND THE RR INTERCONNECT UNTIL THE PROPOSED ARE INSTALLED AND OPERATIONAL. THEN THE EXISTING WILL BE REMOVED.

**REMOVAL ITEMS**

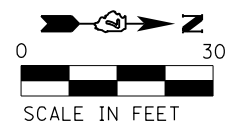
	Total	NW	NE	SE	SW	NW Island	SW Island	SE Island	NE Island	22nd Med.
Remove Existing Service Installation	Each 1	-	-	-	1	-	-	-	-	-
Remove Existing Handhole	Each 10	2	1	1	2	1	1	1	1	-
Remove Existing Double Handhole	Each -	-	-	-	-	-	-	-	-	-
Remove Existing Concrete Foundation	Each 11	2	2	1	2	1	1	1	-	1
Remove Existing Traffic Signal Equipment	Each 1	-	-	-	-	-	-	-	-	-

• See individual items below.

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT**

(QUANTITY: 1 EACH)

	Total	NW	NE	SE	SW	S	NW Island	SW Island	SE Island	NE Island	22nd Med.
Pedestrian Signal Head	8	-	1	-	1	-	2	1	2	1	-
Pedestrian Push-Button	6	-	1	-	1	-	2	1	-	1	-
Pedestrian Push Button Post	-	-	-	-	-	-	-	-	-	-	-
Traffic signal Head-3 Section BM	7	1	-	1	1	-	1	-	2	1	-
Traffic Signal Head-4 Section BM	1	-	1	-	-	-	-	-	-	-	-
Traffic Signal Head-4 Section MAM	3	-	3	-	-	-	-	-	-	-	-
Traffic Signal Head-5 Section BM	-	-	-	-	-	-	-	-	-	-	-
Traffic Signal Head-3 Section MAM	10	4	1	3	2	-	-	-	-	-	-
Traffic Signal Head-5 Section MAM	-	-	-	-	-	-	-	-	-	-	-
Traffic Signal Post	7	1	1	-	1	-	1	1	1	-	1
Traffic Signal Mast Arm	4	1	1	1	1	-	-	-	-	-	-
Traffic Signal Cabinet, Controller & Components	1	-	-	-	1	-	-	-	-	-	-
Gulfbox Junction	-	-	-	-	-	-	-	-	-	-	-
Illuminated Sign, LED MAM	1	-	-	1	-	-	-	-	-	-	-
Illuminated Sign, LED BM	3	-	2	-	-	-	-	-	-	1	-



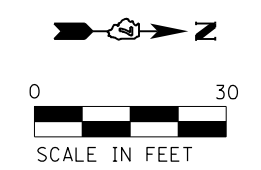
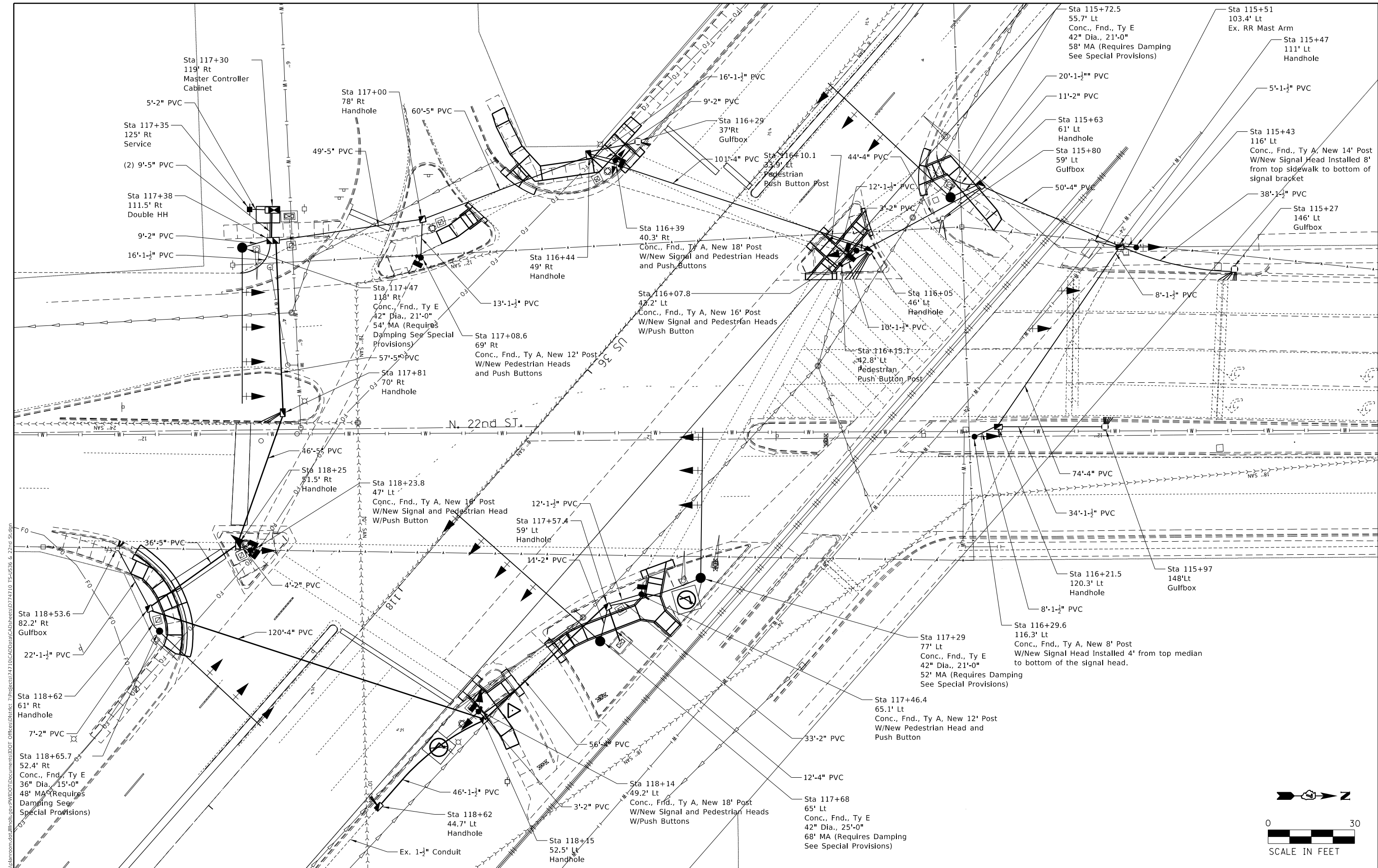
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PLOT DATE = 2/20/2020	DATE -	REVISED -

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

**INTERSECTION OF US RTE 36 & 22nd ST**  
**REMOVAL ITEMS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	217
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				



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

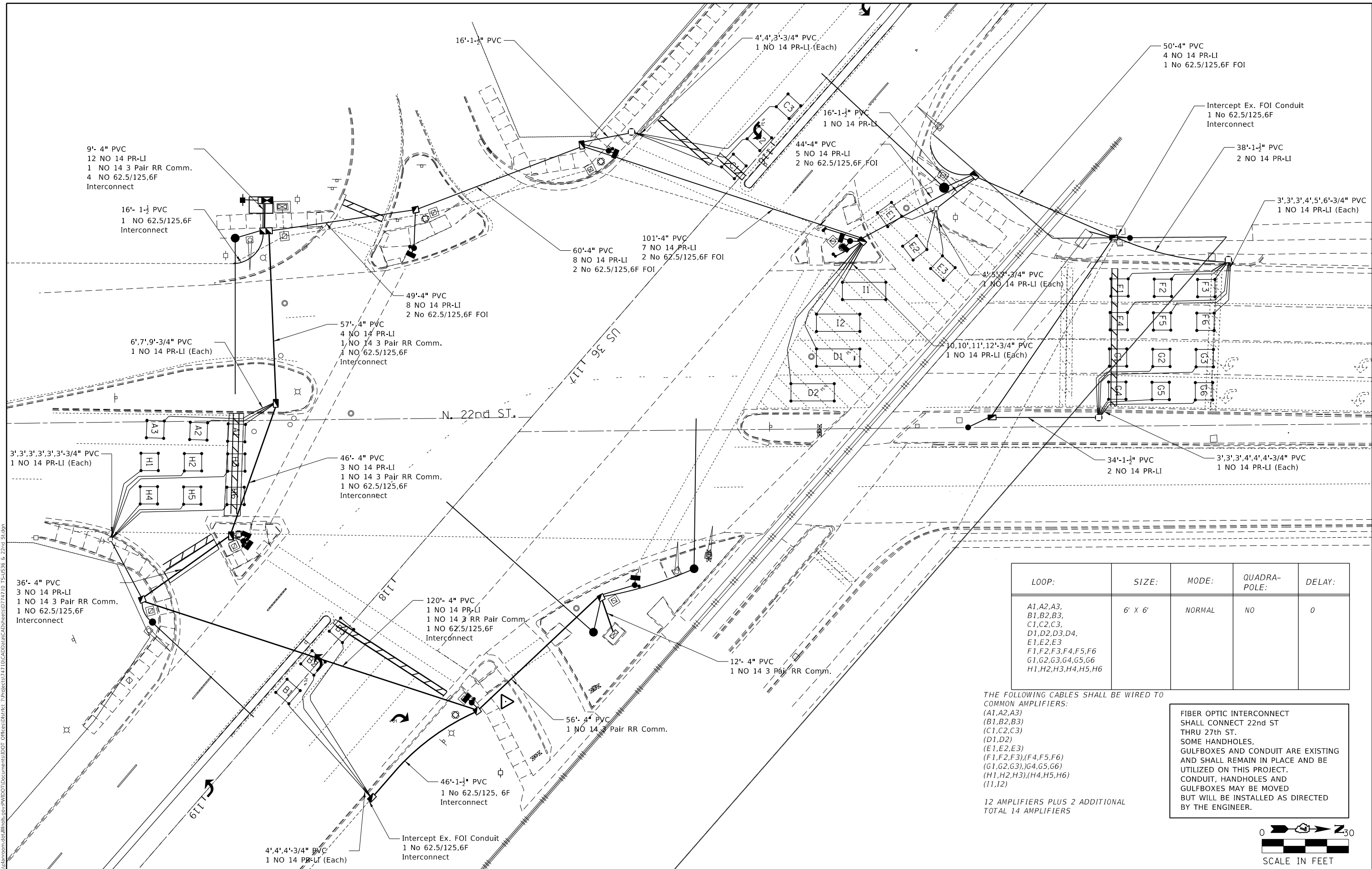
**INTERSECTION OF US RTE 36 & 22nd ST**  
**SIGNAL LAYOUT**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	218
CONTRACT NO. 74710				
ILLINOIS		FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.



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LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
A1,A2,A3, B1,B2,B3, C1,C2,C3, D1,D2,D3,D4, E1,E2,E3 F1,F2,F3,F4,F5,F6 G1,G2,G3,G4,G5,G6 H1,H2,H3,H4,H5,H6	6' X 6'	NORMAL	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON AMPLIFIERS:  
 (A1,A2,A3)  
 (B1,B2,B3)  
 (C1,C2,C3)  
 (D1,D2)  
 (E1,E2,E3)  
 (F1,F2,F3),(F4,F5,F6)  
 (G1,G2,G3),(G4,G5,G6)  
 (H1,H2,H3),(H4,H5,H6)  
 (I1,I2)  
 12 AMPLIFIERS PLUS 2 ADDITIONAL  
 TOTAL 14 AMPLIFIERS

FIBER OPTIC INTERCONNECT SHALL CONNECT 22nd ST THRU 27th ST. SOME HANDHOLES, GULFBXES AND CONDUIT ARE EXISTING AND SHALL REMAIN IN PLACE AND BE UTILIZED ON THIS PROJECT. CONDUIT, HANDHOLES AND GULFBXES MAY BE MOVED BUT WILL BE INSTALLED AS DIRECTED BY THE ENGINEER.



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PLOT DATE = 2/20/2020	DATE -	REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & 22nd ST  
 DETECTOR LOOPS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	220
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				



*SHEET LEFT BLANK FOR INSERTION OF THE BORING LOGS*

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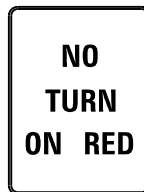
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PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTIONS OF US 36  
 BORING LOGS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 74710
		ILLINOIS	FED. AID PROJECT	



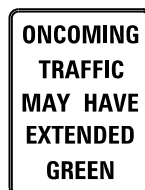
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MUTCD SIGN DESIGNATION R10-11

TO INSTALLED ON SB SIGNAL POST (STA 122+68' 109' LT)



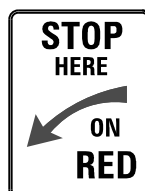
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MUTCD SIGN DESIGNATION R8-8

TO INSTALLED ON MAST POST (STA 122+67 52.5' LT)



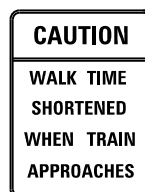
24"x30"  
Black on Yellow  
MUTCD SIGN DESIGNATION W25-2

TO INSTALLED ON MA (STA 123+55, 64' RT)  
TO INSTALLED ON SIGNAL POST (STA 122+67, 52.5'LT)



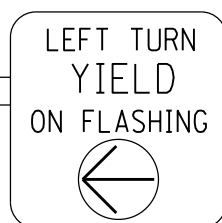
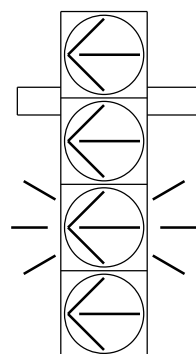
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TO INSTALLED ON SB SIGNAL POST (STA 122+68' 109' LT)

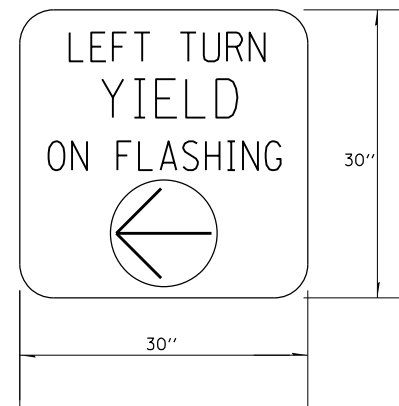


18"x24"  
Black on White  
ILLINOIS SUPPLEMENT TO THE  
MUTCD SIGN DESIGNATION W10-1101

TO INSTALLED ON PED AND TRAFFIC SIGNAL POST (STA 122+88 49' RT)  
TO INSTALLED ON PED AND TRAFFIC SIGNAL POST (STA 123+87 49.6' RT)  
TO INSTALLED ON PED AND TRAFFIC SIGNAL POST (STA 124+04 39' LT)  
TO INSTALLED ON PED SIGNAL POST (STA 124+04 38' RT)

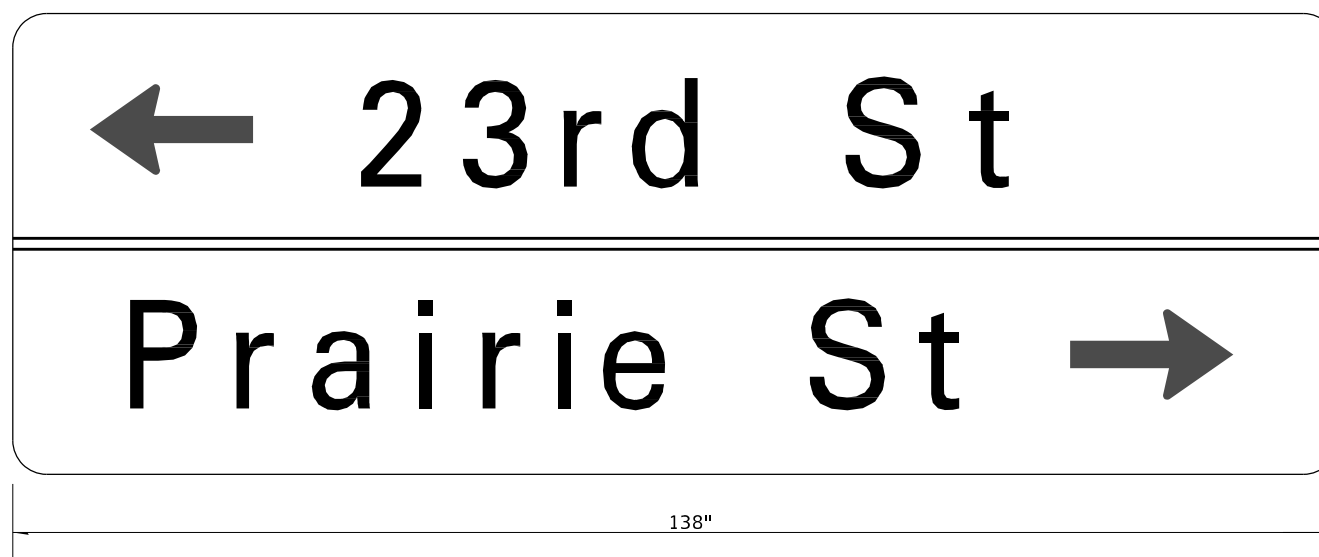


1. SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
2. AP SHEETING.
3. SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
4. ILLINOIS STANDARD R10-1109a SIGN.

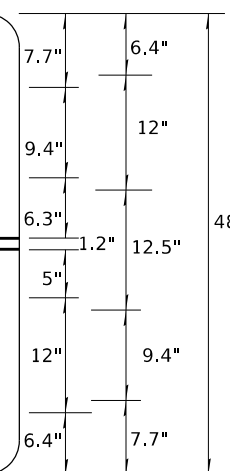


**FLASHING YELLOW ARROW  
SIGN PANEL DETAILS**

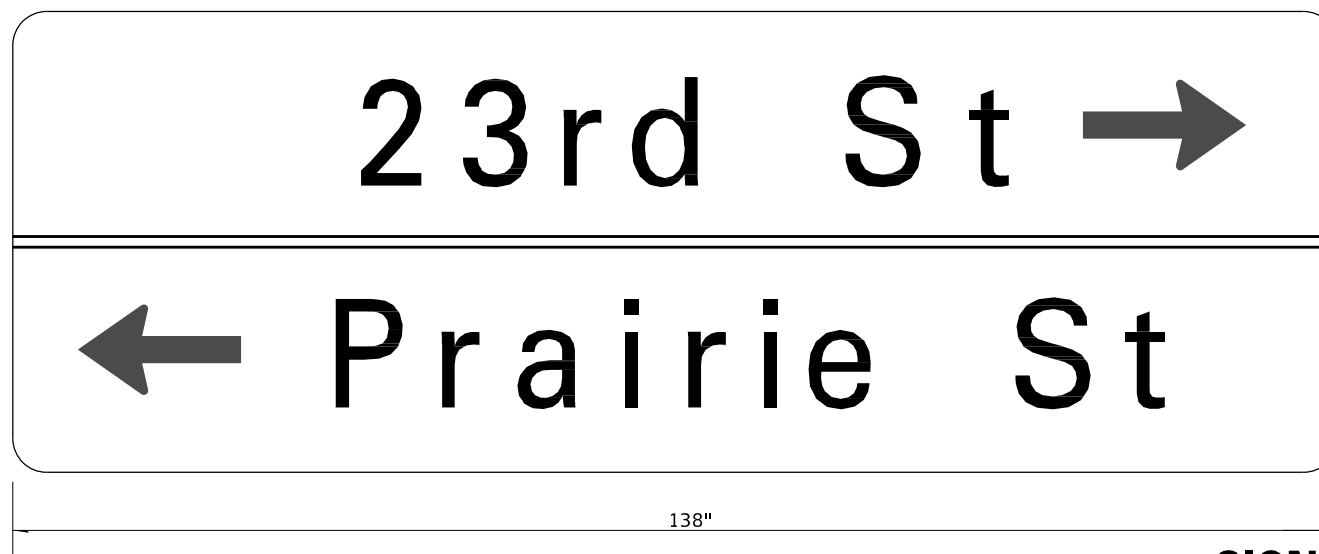
1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.



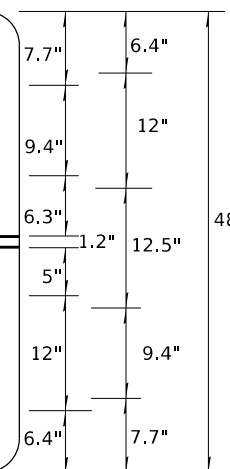
TO BE INSTALLED ON EASTBOUND MAST ARM (STA 124+14 46' RT)



1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO BE INSTALLED ON WESTBOUND MAST ARM (STA 122+67 52.8' LT)



**SIGN PANEL DETAILS**

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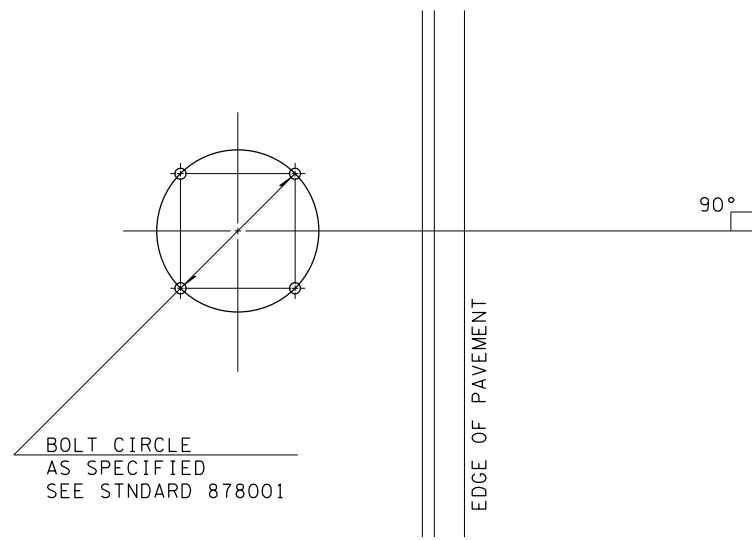
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PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

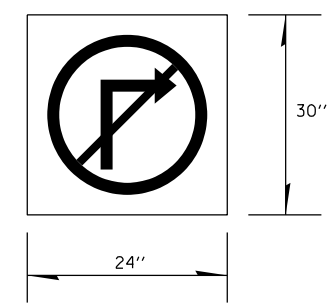
**INTERSECTION OF US RTE 36 & PRAIRIE ST  
SIGN PANNEL DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	222
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				



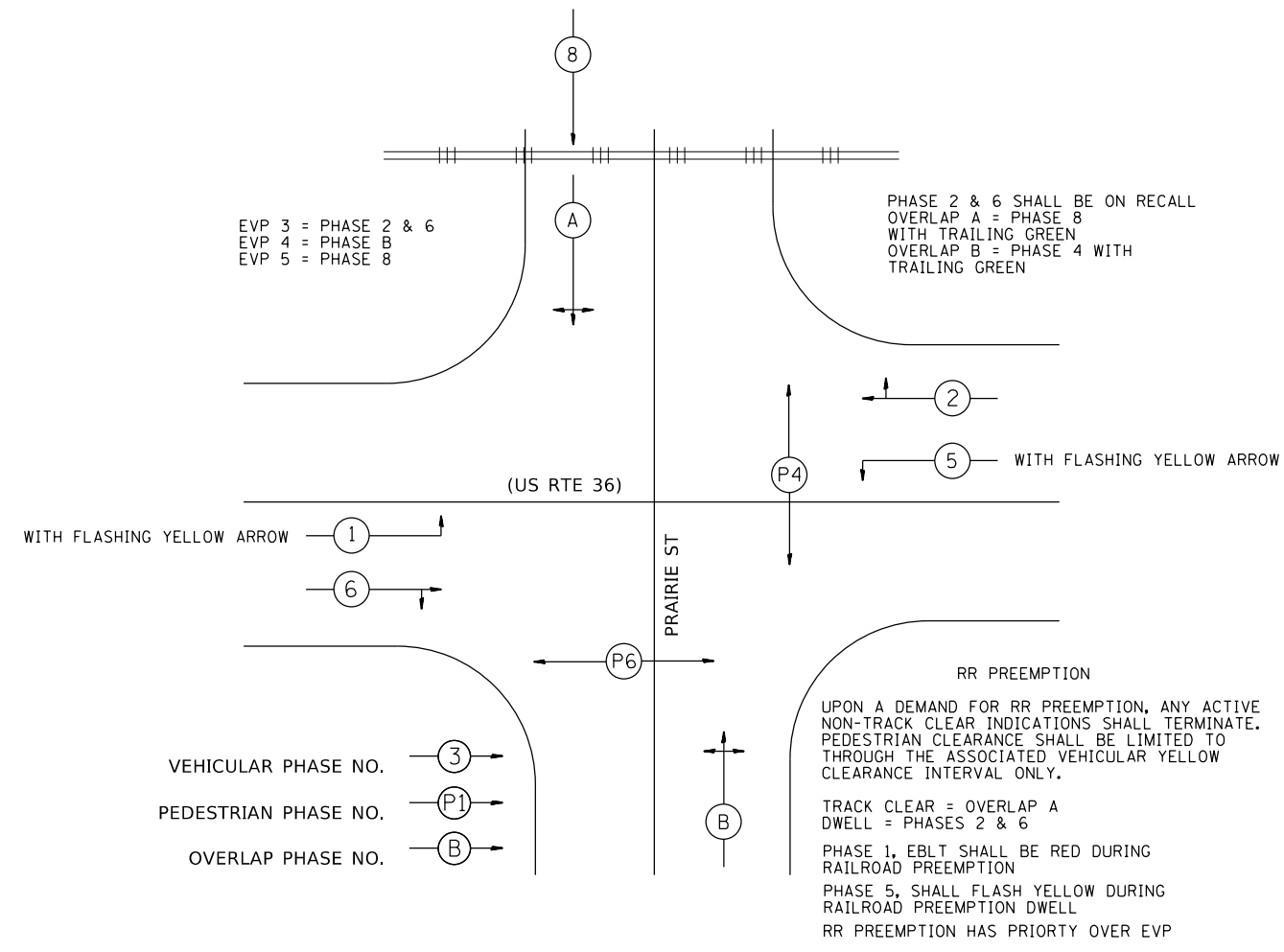
*DETAIL OF MAST ARM FOUNDATION  
BOLT PATTERN*



**ILLUMINATED SIGN, LED**

LED BLANK OUT, RAILROAD PRE-EMPTIVE ACTIVATION

TO INSTALLED ON TRAFFIC SIGNAL POST (STA 124+04 39' LT)  
TO INSTALLED ON TRAFFIC SIGNAL MAST ARM (STA 122+67 52.8' LT)



*PHASE DESIGNATION DIAGRAM*

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
pw:\planroom\dot\illinois\gov\PWDOT\Documents\DOT\Offices\District 7\Projects\74710\CADData\CADsheets\I0774710-S-01-DRAWN\prairie St.dgn		REVISED -	REVISED -
Default	PLOT SCALE = 20,0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF (US RTE 36) & PRAIRIE ST  
DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	223
CONTRACT NO. 74710				
ILLINOIS		FED. AID PROJECT		

US RTE 36 & PRAIRIE STREET ST-BILL OF MATERIALS

ITEM	UNIT	QUANTITY
SIGN PANEL-TYPE 1	SQ FT	62
SIGN PANEL-TYPE 3	SQ FT	92
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, PVC 3/4" DIA.	FOOT	131
UNDERGROUND CONDUIT, PVC 1 1/2" DIA.	FOOT	151
UNDERGROUND CONDUIT, PVC 2" DIA.	FOOT	158
UNDERGROUND CONDUIT, PVC 4" DIA.	FOOT	468
UNDERGROUND CONDUIT, PVC 5" DIA.	FOOT	8
HANDHOLE	EACH	12
DOUBLE HANDHOLE	EACH	1
GULFBOX JUNCTION	EACH	4
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
RAILROAD FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER-FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C	FOOT	1243
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 5C	FOOT	2959
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 7C	FOOT	1260
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO 14 1 PAIR	FOOT	1861
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO 14 3C	FOOT	128
ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 2C	FOOT	17
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO 6 1C	FOOT	821
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 54 FT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	24
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION BRACKET MOUNTED	EACH	3
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	20
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE 1	FOOT	1153
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	10
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
SPARE FULL ACTUATED CONTROLLER, SPECIAL	EACH	1
ILLUMINATED SIGN, SPECIAL	EACH	2

US RTE 36 & PRAIRIE STREET ST-BILL OF MATERIALS

ITEM	UNIT	QUANTITY
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1

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 USER: steffenmk  
 DATE: 2/20/2020

USER NAME = steffenmk	DESIGNED -	REVISED -
PLOT SCALE = 39.9996 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/20/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

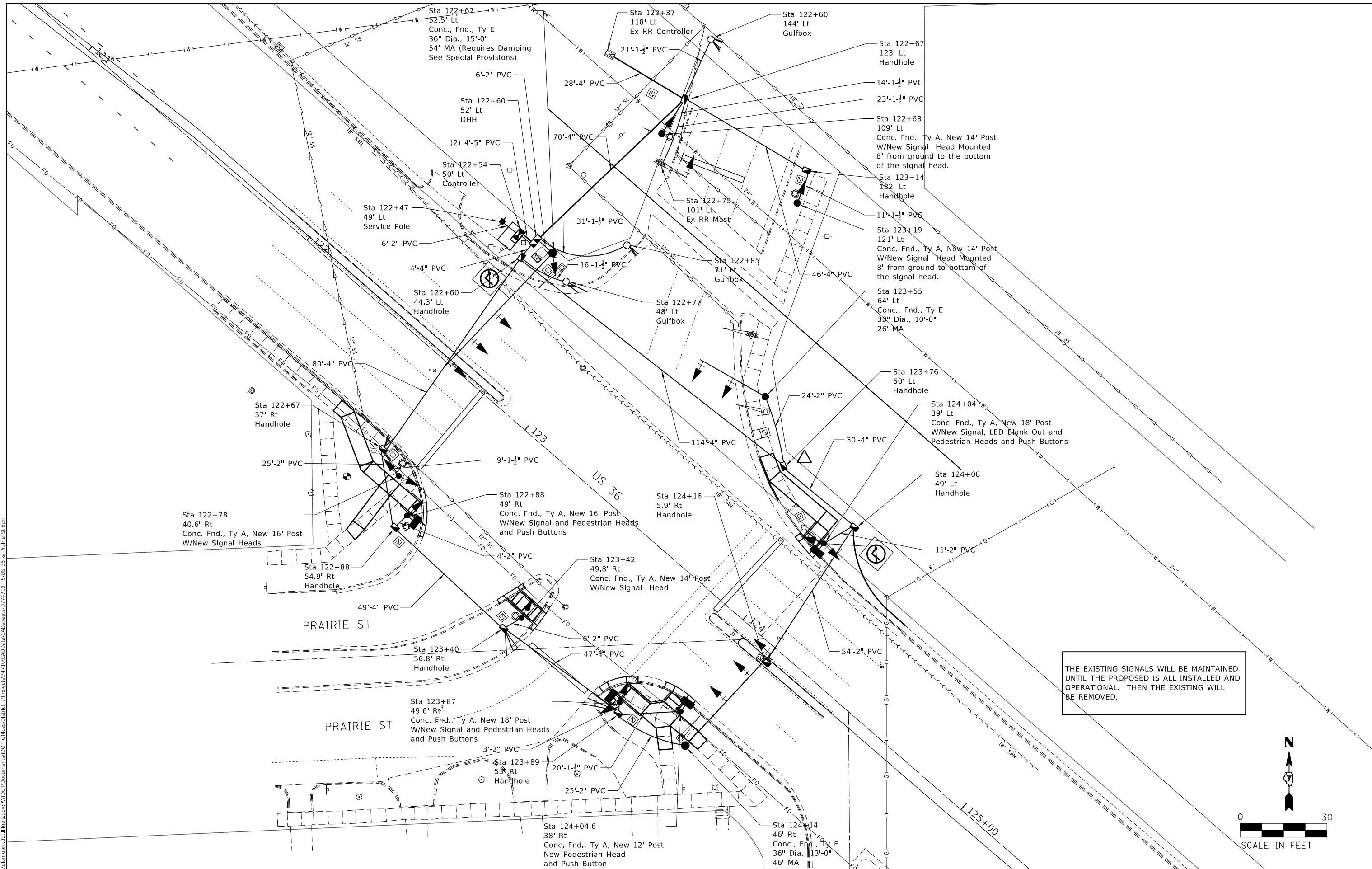
**INTERSECTION OF US RTE 36 & PRAIRIE ST  
BILL OF MATERIALS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	224
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				



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 PROJECT: 74710



USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

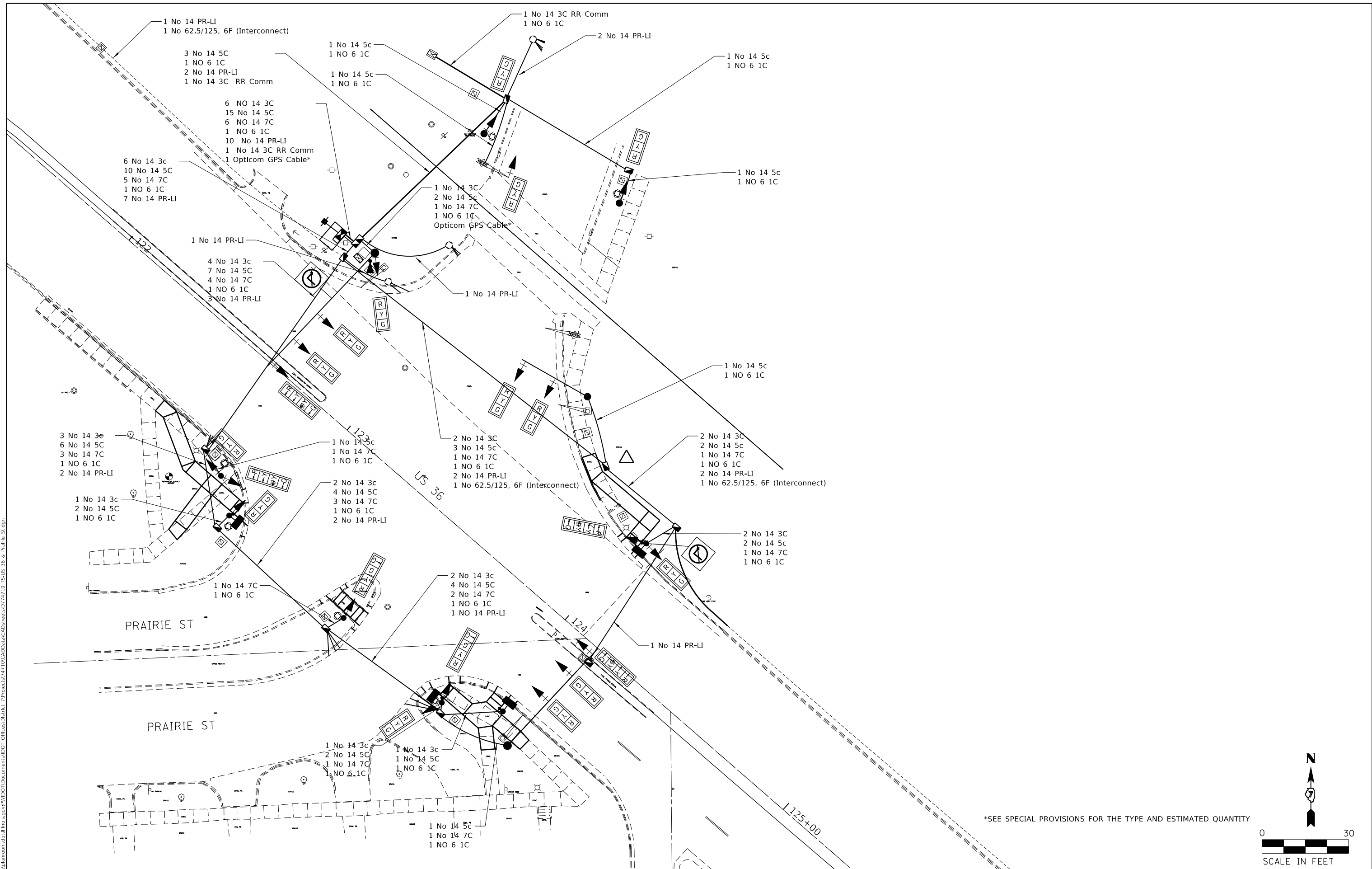
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & PRAIRIE ST**  
**SIGNAL LAYOUT**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	226
CONTRACT NO. 74710				
ILLINOIS		FED. AID PROJECT		

SCALE: SHEET OF SHEETS STA. TO STA.

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\*SEE SPECIAL PROVISIONS FOR THE TYPE AND ESTIMATED QUANTITY

USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

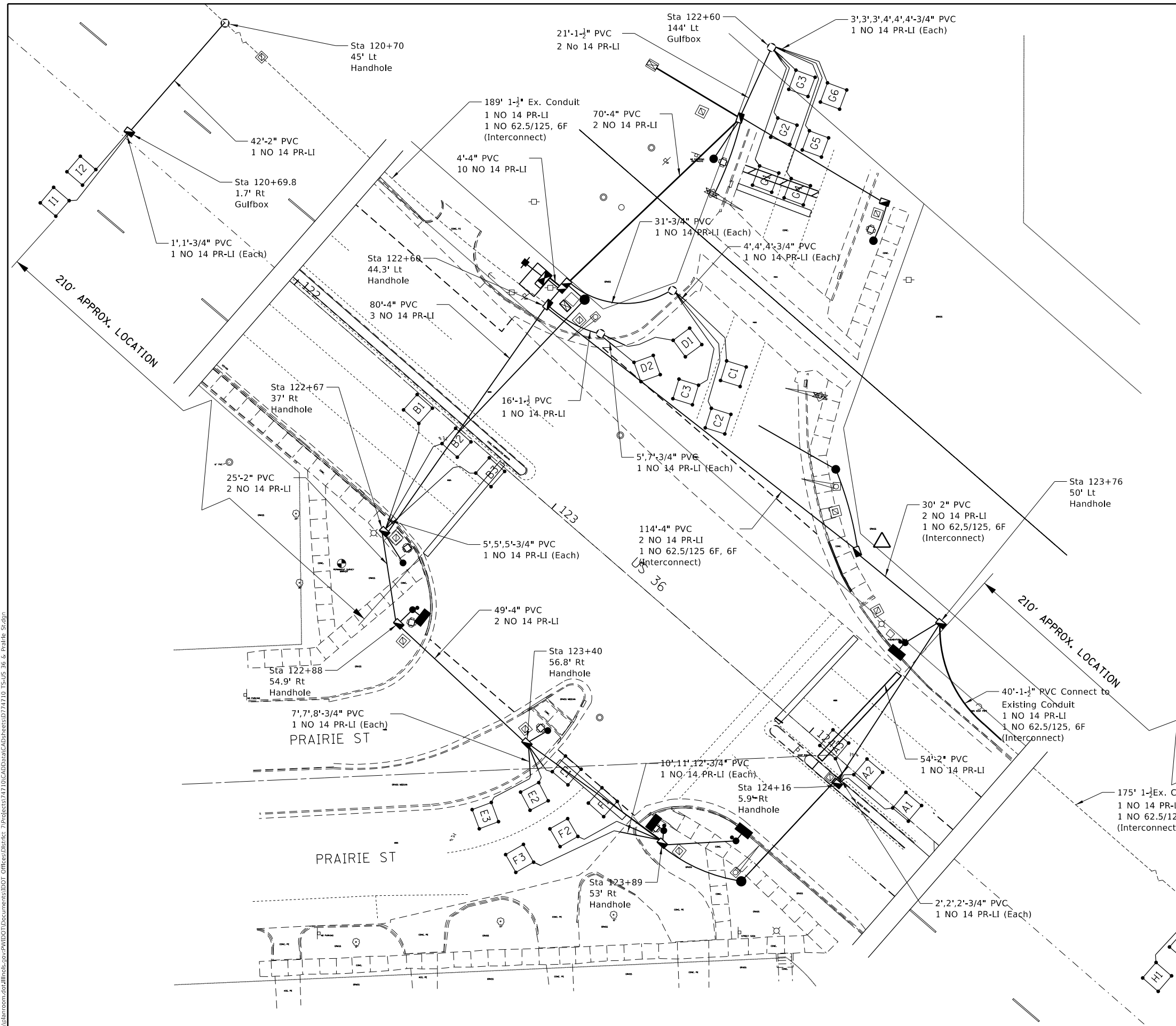
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & PRAIRIE ST**  
**CABLE LAYOUT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	227
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				

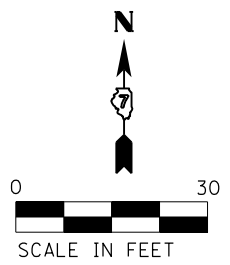
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LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
A1,A2,A3, B1,B2,B3, C1,C2,C3 D1,D2 E1,E2,E3 F1,F2,F3 G1,G2,G3 G4,G5,G6	6' X 6'	NORMAL	NO	0
H1,H2 I1,I2	6' X 6'	EXTENDED	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON INDUCTIVE LOOP DETECTOR:  
 (A1,A2,A3), (B1,B2,B3), (C1,C2), (D1,D2), (E1,E2,E3), (F1,F2,F3), (G1,G2,G3), (G4,G5,G6), (H1,H2), (I1,I2)  
  
 10 INDUCTIVE LOOP DETECTORS PLUS 2 ADDITIONAL TOTAL 12 INDUCTIVE LOOP DETECTORS

FIBER OPTIC INTERCONNECT SHALL CONNECT 22nd ST THRU 27th ST. SOME HANDHOLES, GULFBXES AND CONDUIT ARE EXISTING AND SHALL REMAIN IN PLACE AND BE UTILIZED ON THIS PROJECT. CONDUIT, HANDHOLES AND GULFBXES MAY BE MOVED BUT WILL BE INSTALLED AS DIRECTED BY THE ENGINEER.



USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>INTERSECTION OF US RTE 36 &amp; PRAIRIE ST DETECTOR LOOPS</b>	
SCALE:	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	228
CONTRACT NO. 74710				
ILLINOIS		FED. AID PROJECT		



*SHEET LEFT BLANK FOR INSERTION OF THE BORING LOGS*

MODEL: Default  
 FILE: \\blm1c01.pw.state.il.us\pub\lanscom\data\illinois.gov\PWD\DOT\Documents\DOT\_Offices\District\_7\Projects\74710\CADD\Drawings\74710\_TS-US\_36 & Prairie St.dgn

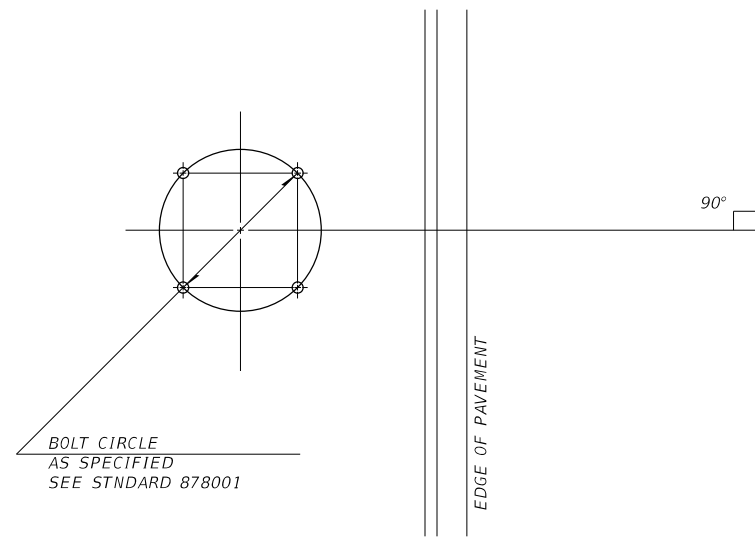
USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 19.9998 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

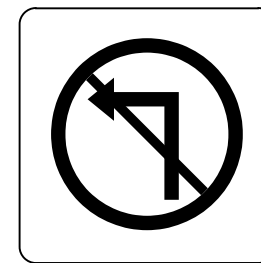
**INTERSECTION OF US RTE 36 & PRAIRIE ST  
 BORING LOGS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	229
CONTRACT NO. 74710			ILLINOIS FED. AID PROJECT	



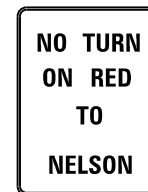
DETAIL OF MAST ARM FOUNDATION  
BOLT PATTERN



36"x36"

MUTCD SIGN DESIGNATION R3-2

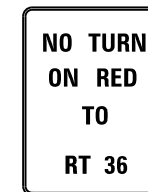
TO INSTALLED ON ISLAND SIGNAL POST (STA 135+74.5 4' LT)  
TO INSTALLED ON ISLAND SIGNAL POST (STA 135+44.4 4' LT)  
TO INSTALLED ON ISLAND SIGNAL POST (STA 136+22 3.5' LT)



24"x30"

Black on White  
MUTCD SIGN DESIGNATION R10-11

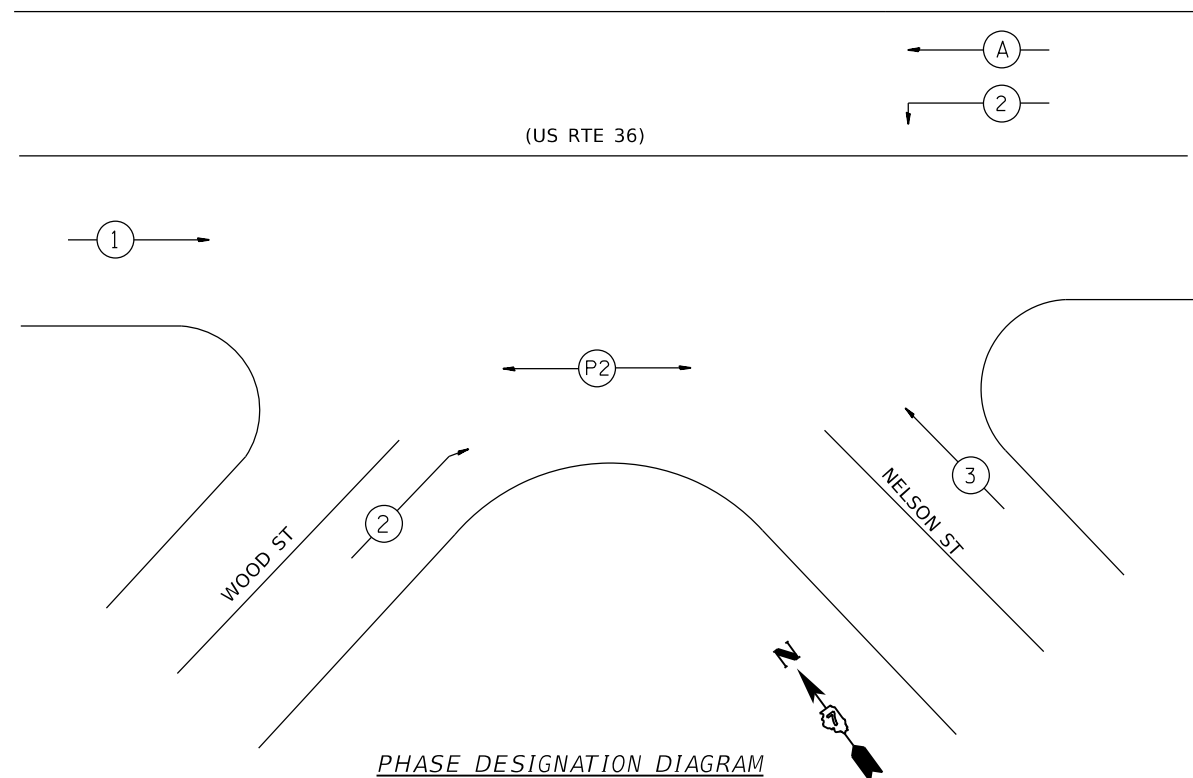
TO INSTALLED ON SB SIGNAL POST (STA 135+19 48.8' RT)



24"x30"

Black on White  
MUTCD SIGN DESIGNATION R10-11

TO INSTALLED ON EB SIGNAL POST (STA 135+38.8 109.6' RT)



PHASE DESIGNATION DIAGRAM

## SIGN PANEL DETAILS

FILE NAME =	USER NAME = steffennik	DESIGNED -	REVISED -
p:\planroom\dot\illinois.gov\PWIDOT\Documents\DOT\Projects\District 7\Projects\74710\CADData\CADsheets\ID774710	Drawn Wood & Nelson Sldgn	CHECKED -	REVISED -
Default	PLOT SCALE = 30,0000' / in.	DATE -	REVISED -
	PLOT DATE = 2/20/2020		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERSECTION (US RTE 36) & NELSON & WOOD ST  
DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z,139-X-2)RS-2	MACON	262	230
CONTRACT NO. 74710				
		ILLINOIS	FED. AID PROJECT	

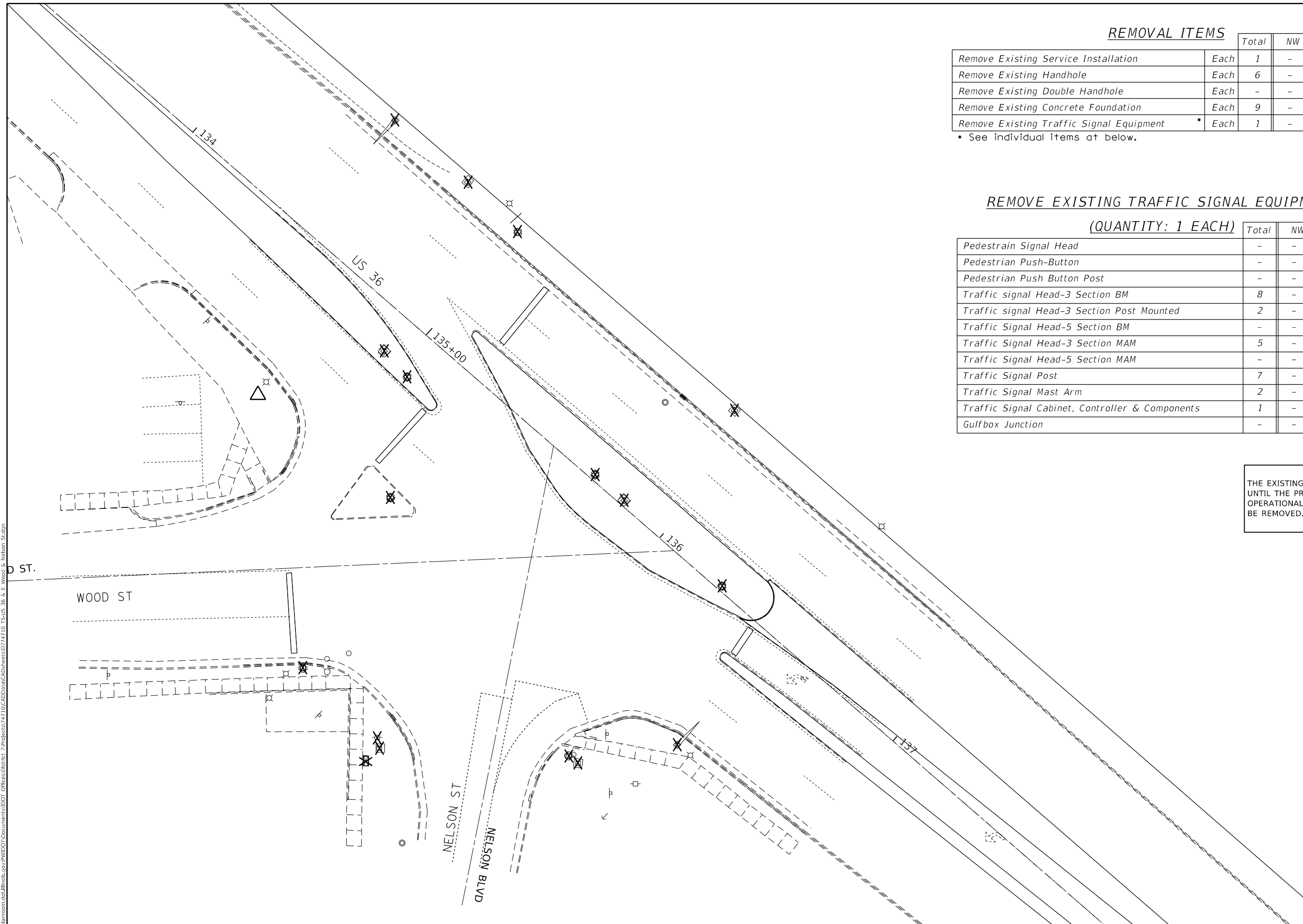
US RTE 36 WOOD & NELSON STREET ST-BILL OF MATERIALS

ITEM	UNIT	QUANTITY
SIGN PANEL-TYPE 1	SQ FT	10
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, PVC 3/4" DIA.	FOOT	95
UNDERGROUND CONDUIT, PVC 1 1/2" DIA.	FOOT	116
UNDERGROUND CONDUIT, PVC 2" DIA.	FOOT	356
UNDERGROUND CONDUIT, PVC 4" DIA.	FOOT	274
UNDERGROUND CONDUIT, PVC 5" DIA.	FOOT	12
HANDHOLE	EACH	10
DOUBLE HANDHOLE	EACH	1
GULFBOX JUNCTION	EACH	2
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO 8	FOOT	166
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER-FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C	FOOT	433
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 5C	FOOT	2944
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO 14 1 PAIR	FOOT	1351
ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 2C	FOOT	14
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO 6 1C	FOOT	837
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT	EACH	8
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT	EACH	1
STEEL COMB MAST ARM ASSEMBLY AND POLE, 36 FT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	36
CONCRETE FOUNDATION, TYPE D	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	13.5
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	17
DIRECTIONAL LOUVERS, TYPE B	EACH	2
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE 1	FOOT	857
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
LUMINAIRE (SPECIAL)	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1

MODEL: Default  
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PROJECT: 171710\CADD\DATA\CAD\Sheet\DOT Office\171710\_T5\US 36 & E Wood & Nelson St.dgn

\*F.A.P. 323 & F.A.U. 7404

USER NAME = steffemk DESIGNED - DRAWN - PLOT SCALE = 39.9996 ' / in. CHECKED - DATE - 2/20/2020	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION OF US RTE 36 & NELSON & WOOD ST BILL OF MATERIALS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			320	(137Z, 139-X-2)RS-2	MACON	262	231		
			SCALE:	SHEET OF SHEETS	STA.	TO STA.	CONTRACT NO. 74710		
			ILLINOIS FED. AID PROJECT						



**REMOVAL ITEMS**

	Total	NW	NE	Island	SE	SW
Remove Existing Service Installation	Each 1	-	-	-	-	1
Remove Existing Handhole	Each 6	-	2	2	1	1
Remove Existing Double Handhole	Each -	-	-	-	-	-
Remove Existing Concrete Foundation	Each 9	-	2	4	2	1
Remove Existing Traffic Signal Equipment	Each 1	-	-	-	-	-

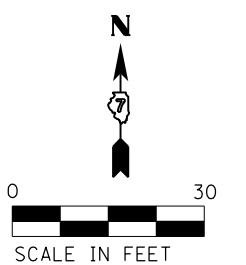
• See individual items at below.

**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT**

(QUANTITY: 1 EACH)

	Total	NW	NE	Island	SE	SW
Pedestrian Signal Head	-	-	-	-	-	-
Pedestrian Push-Button	-	-	-	-	-	-
Pedestrian Push Button Post	-	-	-	-	-	-
Traffic signal Head-3 Section BM	8	-	1	6	-	1
Traffic signal Head-3 Section Post Mounted	2	-	-	1	-	1
Traffic Signal Head-5 Section BM	-	-	-	-	-	-
Traffic Signal Head-3 Section MAM	5	-	2	-	3	-
Traffic Signal Head-5 Section MAM	-	-	-	-	-	-
Traffic Signal Post	7	-	1	4	1	1
Traffic Signal Mast Arm	2	-	1	-	1	-
Traffic Signal Cabinet, Controller & Components	1	-	-	-	-	1
Gulfbox Junction	-	-	-	-	-	-

THE EXISTING SIGNALS WILL BE MAINTAINED UNTIL THE PROPOSED IS ALL INSTALLED AND OPERATIONAL. THEN THE EXISTING WILL BE REMOVED.



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USER NAME = steffemk	DESIGNED -	REVISED -
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PLOT DATE = 2/20/2020	DATE -	REVISED -

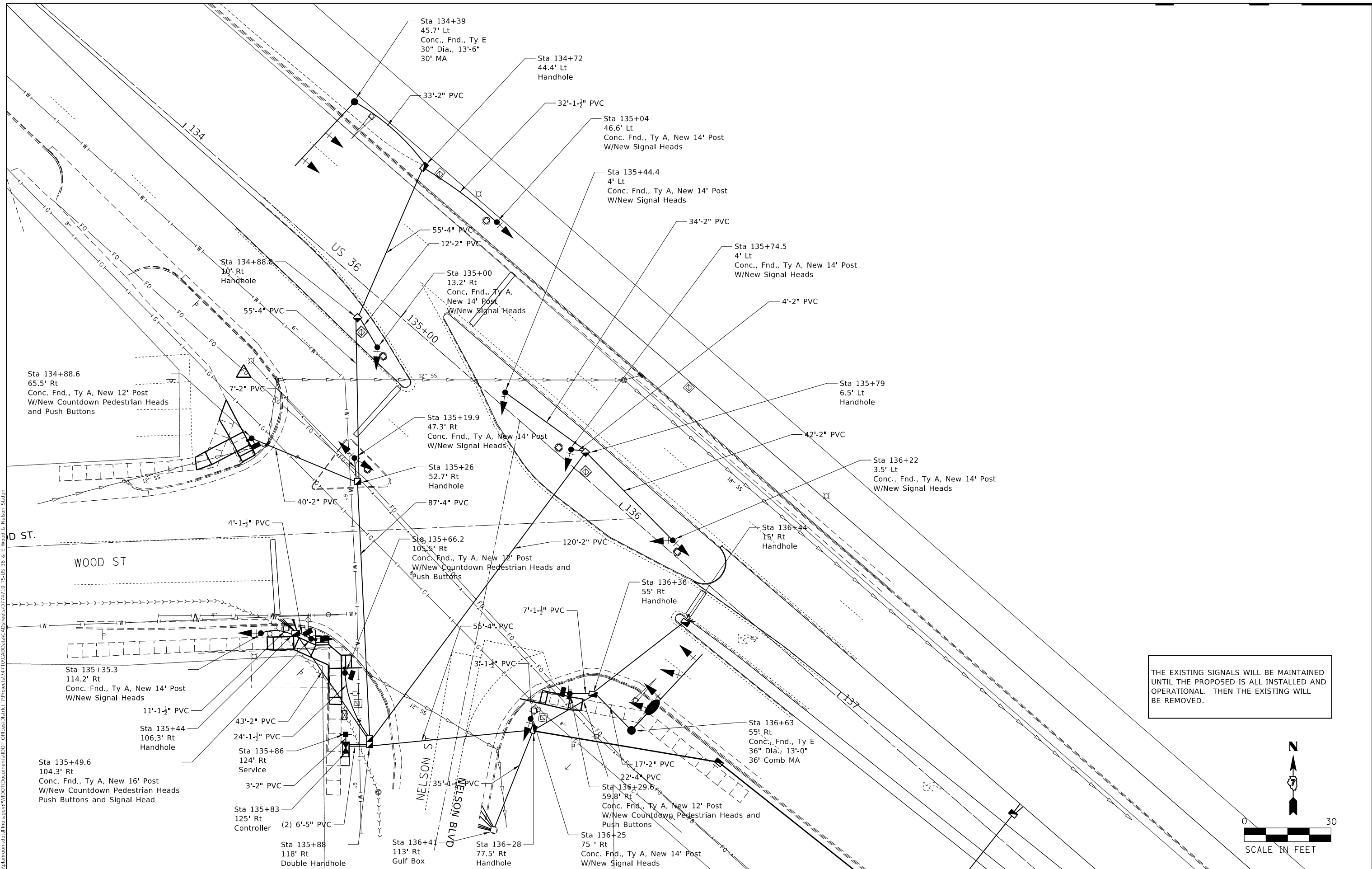
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & WOOD & NELSON ST  
REMOVAL LAYOUT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137z, 139-X-2)RS-2	MACON	262	232
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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THE EXISTING SIGNALS WILL BE MAINTAINED UNTIL THE PROPOSED IS ALL INSTALLED AND OPERATIONAL. THEN THE EXISTING WILL BE REMOVED.

USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>INTERSECTION OF US RTE 36 &amp; WOOD &amp; NELSON ST          SIGNAL LAYOUT</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		320	(137z, 139-X-2)RS-2	MACON	262	233
SCALE:		SHEET OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137z, 139-X-2)RS-2	MACON	262	233
CONTRACT NO. 74710				

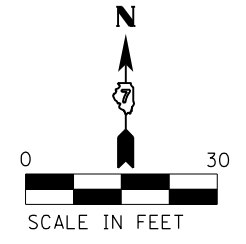
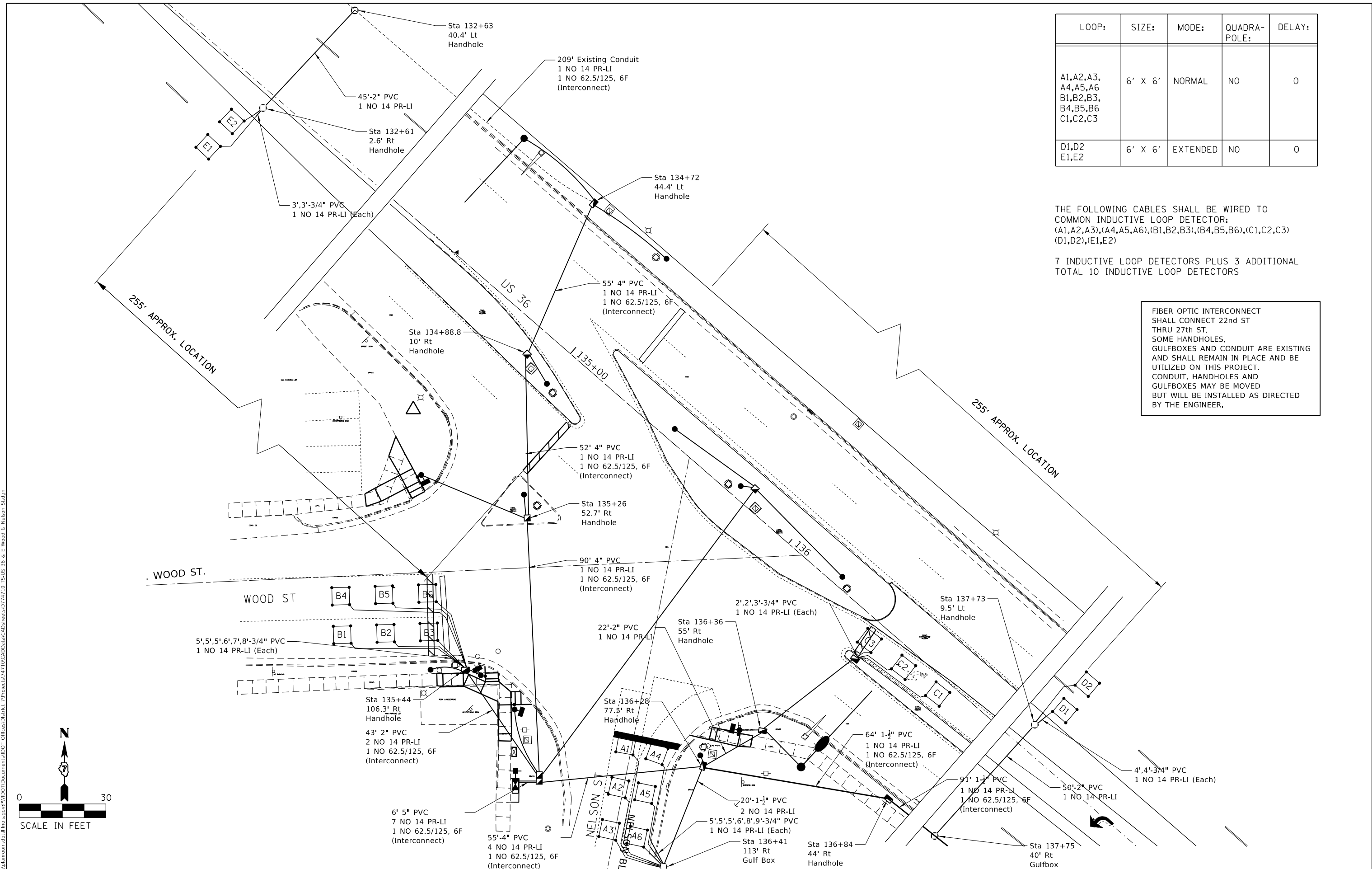


LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
A1,A2,A3, A4,A5,A6 B1,B2,B3, B4,B5,B6 C1,C2,C3	6' X 6'	NORMAL	NO	0
D1,D2 E1,E2	6' X 6'	EXTENDED	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON INDUCTIVE LOOP DETECTOR:  
(A1,A2,A3),(A4,A5,A6),(B1,B2,B3),(B4,B5,B6),(C1,C2,C3)  
(D1,D2),(E1,E2)

7 INDUCTIVE LOOP DETECTORS PLUS 3 ADDITIONAL  
TOTAL 10 INDUCTIVE LOOP DETECTORS

FIBER OPTIC INTERCONNECT SHALL CONNECT 22nd ST THRU 27th ST. SOME HANDHOLES, GULFBOXES AND CONDUIT ARE EXISTING AND SHALL REMAIN IN PLACE AND BE UTILIZED ON THIS PROJECT. CONDUIT, HANDHOLES AND GULFBOXES MAY BE MOVED BUT WILL BE INSTALLED AS DIRECTED BY THE ENGINEER.



USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000 "/td> <td>CHECKED -</td> <td>REVISED -</td>	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & WOOD & NELSON ST  
DETECTOR LOOP**

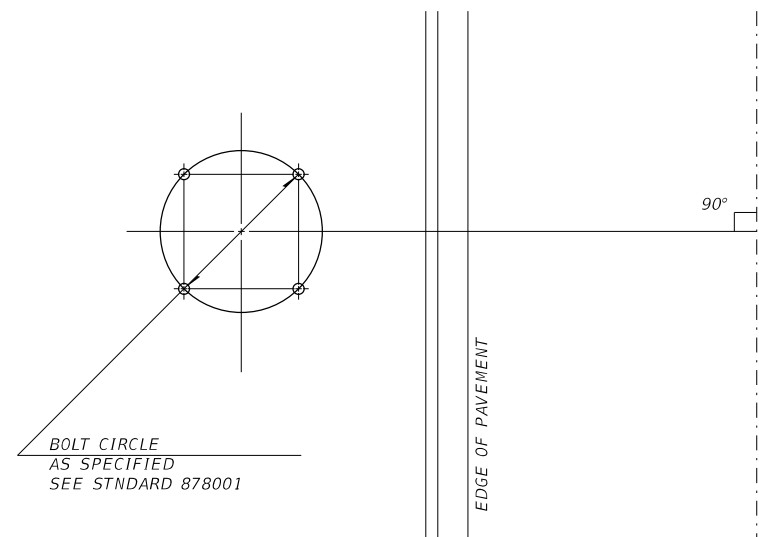
F.A.P. RTE. 320	SECTION (137z, 139-X-2)RS-2	COUNTY MACON	TOTAL SHEETS 262	SHEET NO. 235
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				

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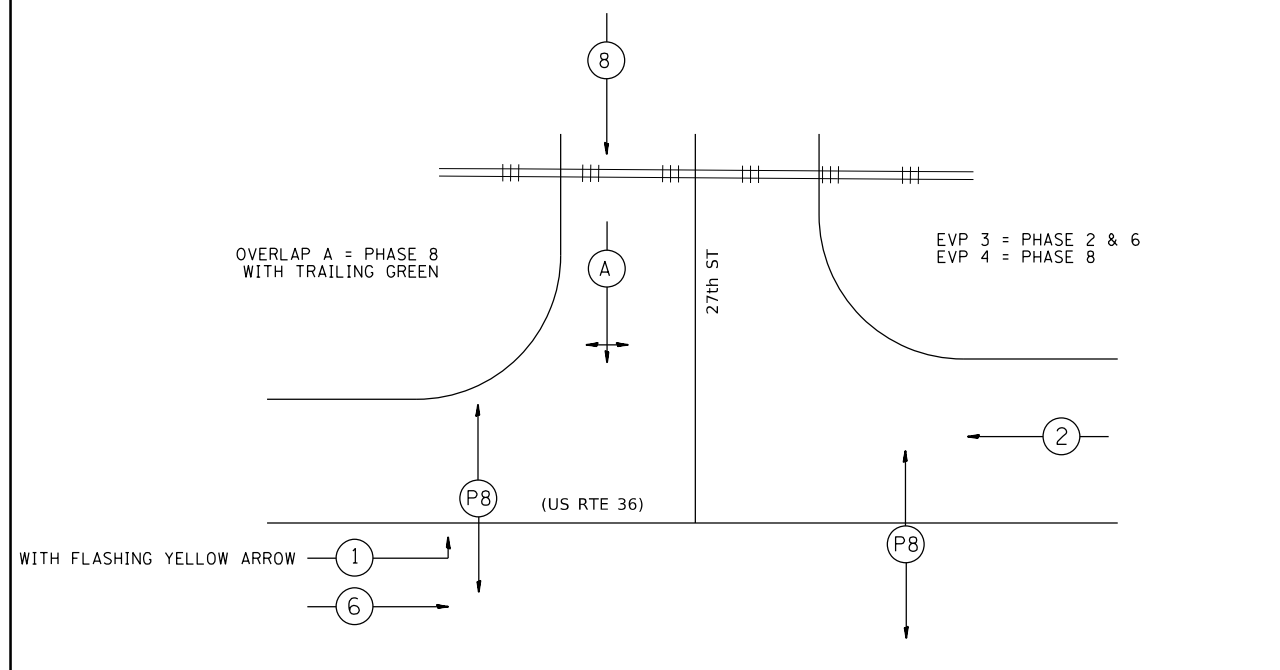
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FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INTERSECTION (US RTE 36) &amp; NELSON &amp; WOOD ST BORING LOGS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\planroom\dot\illinois.gov\PWIDOT\Documents\DOT	Office\District 7\Projects\74710\CADData\CADsheets\D774710	DRAWN Wood & Nelson S.dgn	REVISED -			320	(137Z,139-X-2)RS-2	MACON	262	236
Default	PLOT SCALE = 30,0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 74710				
	PLOT DATE = 2/20/2020	DATE -	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	





DETAIL OF MAST ARM FOUNDATION  
BOLT PATTERN



RR PREEMPTION

UPON A DEMAND FOR RR PREEMPTION, ANY ACTIVE NON-TRACK CLEAR INDICATIONS SHALL TERMINATE. PEDESTRIAN CLEARANCE SHALL BE LIMITED TO THROUGH THE ASSOCIATED VEHICULAR YELLOW CLEARANCE INTERVAL ONLY.

TRACK CLEAR = OVERLAP A  
DWELL = PHASES 2 & 6

PHASE 1, EBLT SHALL BE RED DURING RAILROAD PREEMPTION

RR PREEMPTION HAS PRIORITY OVER EVP

- VEHICULAR PHASE NO. — (3) —>
- PEDESTRIAN PHASE NO. — (P1) —>
- OVERLAP PHASE NO. — (A) —>

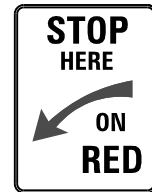
PHASE DESIGNATION DIAGRAM

FILE NAME =	USER NAME = stleffennik	DESIGNED -	REVISED -
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Default	PLOT SCALE = 30,0000' / 1"	DATE -	REVISED -
	PLOT DATE = 2/20/2020		

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

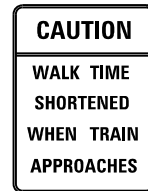
<b>INTERSECTION OF (US RTE 36) &amp; 27 ST</b>			
<b>DETAILS</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137, 139-X-2)RS-2	MACON	262	237
CONTRACT NO. 74710				
		ILLINOIS	FED. AID PROJECT	



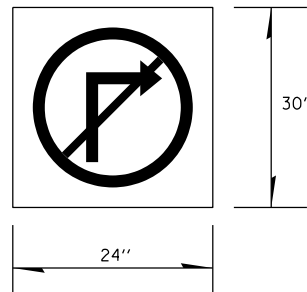
24"x30"  
Black on White  
MUTCD SIGN DESIGNATION R10-6A

TO INSTALLED ON WB MAST POST (STA 157+13.0, 126.3' LT)

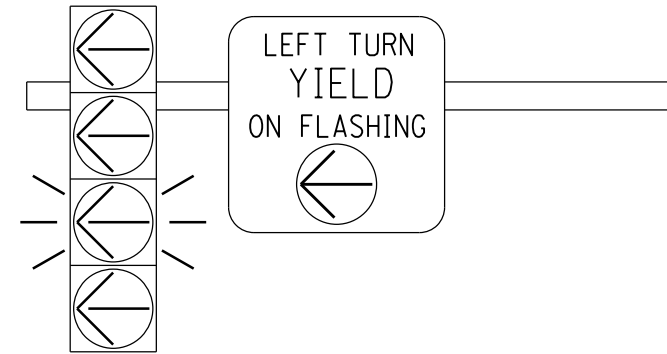


18"x24"  
Black on White  
ILLINOIS SUPPLEMENT TO THE  
MUTCD SIGN DESIGNATION W10-1101

TO INSTALLED ON SIGNAL POST (STA 157+28, 31.6'RT)  
TO INSTALLED ON SIGNAL POST (STA 157+89.3, 31.5'RT)  
TO INSTALLED ON PED SIGNAL POST (STA 157+36.9, 49' LT)  
TO INSTALLED ON PED SIGNAL POST (STA 157+95.5, 77.3' LT)

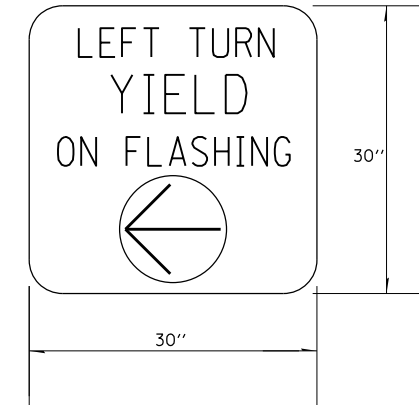


**ILLUMINATED SIGN, LED**  
LED BLANK OUT, RAILROAD PRE-EMPTIVE ACTIVATION  
TO INSTALLED ON SIGNAL POST (STA 158+12, 70' LT)  
TO INSTALLED ON MAST ARM (STA 156+70, 57.9' LT)

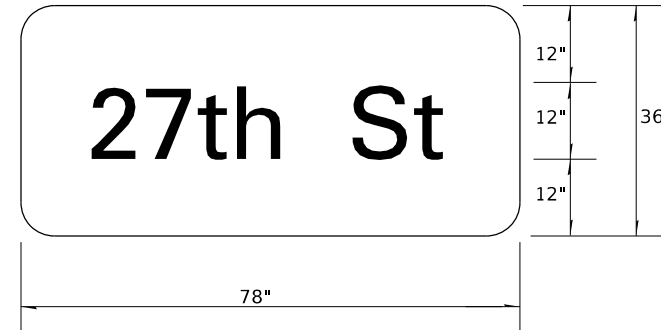


**FLASHING YELLOW ARROW  
SIGN PANEL DETAILS**

1. SIGN SHALL HAVE A BLACK REFLECTORIZED LEGEND AND BORDER ON A WHITE REFLECTORIZED BACKGROUND. ARROW IS YELLOW ON A BLACK BACKGROUND.
2. AP SHEETING.
3. SIGN TO BE INSTALLED DIRECTLY ADJACENT TO FYA SIGNAL HEAD ON MAST ARM.
4. ILLINOIS STANDARD R10-1109a SIGN.



1. SIGN SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND.
2. AP SHEETING.
3. UPPER/LOWER CASE LETTERS, HIGHWAY D.



TO INSTALLED ON NB MAST ARM (STA 156+70 57.9' LT)  
TO INSTALLED ON SB MAST ARM (STA 158+01' 40.8' RT)

**SIGN PANEL DETAILS**

MODEL: Default  
FILE: \\nas101.pva.uplanet.com\data\illinois.gov\RWIDOT\Documents\DOT\_Offices\District\_7\Projects\74710\CADData\CAD\Sheet\074710\_15-05\_36 & 27th\_St.dgn

USER NAME = steffemk	DESIGNED -	REVISD -
	DRAWN -	REVISD -
PLOT SCALE = 30.0000 ' / in.	CHECKED -	REVISD -
PLOT DATE = 2/20/2020	DATE -	REVISD -

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & 27th ST  
SIGN PANNEL DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	238
				CONTRACT NO. 74710
ILLINOIS FED. AID PROJECT				

US RTE 36 27th STREET ST-BILL OF MATERIALS

ITEM	UNIT	QUANTITY
SIGN PANEL-TYPE 1	SQ FT	23
SIGN PANEL-TYPE 2	SQ FT	36
SERVICE INSTALLATION, TYPE A	EACH	1
UNDERGROUND CONDUIT, PVC 3/4" DIA.	FOOT	109
UNDERGROUND CONDUIT, PVC 1 1/2" DIA.	FOOT	62
UNDERGROUND CONDUIT, PVC 2" DIA.	FOOT	107
UNDERGROUND CONDUIT, PVC 4" DIA.	FOOT	449
UNDERGROUND CONDUIT, PVC 5" DIA.	FOOT	12
HANDHOLE	EACH	9
DOUBLE HANDHOLE	EACH	1
GULFBOX JUNCTION	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
RAILROAD FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
TRANSCEIVER-FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 3C	FOOT	897
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 5C	FOOT	2286
ELECTRIC CABLE IN CONDUIT, SIGNAL NO 14 7C	FOOT	781
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO 14 1 PAIR	FOOT	2097
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO 14 3C	FOOT	130
ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 2C	FOOT	16
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO 6 1C	FOOT	750
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT	EACH	3
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	24
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	27
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3-SECTION, 1-4-SECTION BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	16
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE 1	FOOT	776
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE EXISTING SERVICE INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	11
REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
SPARE FULL ACTUATED CONTROLLER, SPECIAL	EACH	1

US RTE 36 27th STREET ST-BILL OF MATERIALS

ITEM	UNIT	QUANTITY
ILLUMINATED SIGN, SPECIAL	EACH	2
EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	1

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USER NAME = stefenmk	DESIGNED -	REVISED -
PLOT SCALE = 59.9994 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & 27th ST  
BILL OF MATERIALS**

SCALE: SHEET OF SHEETS STA. TO STA.

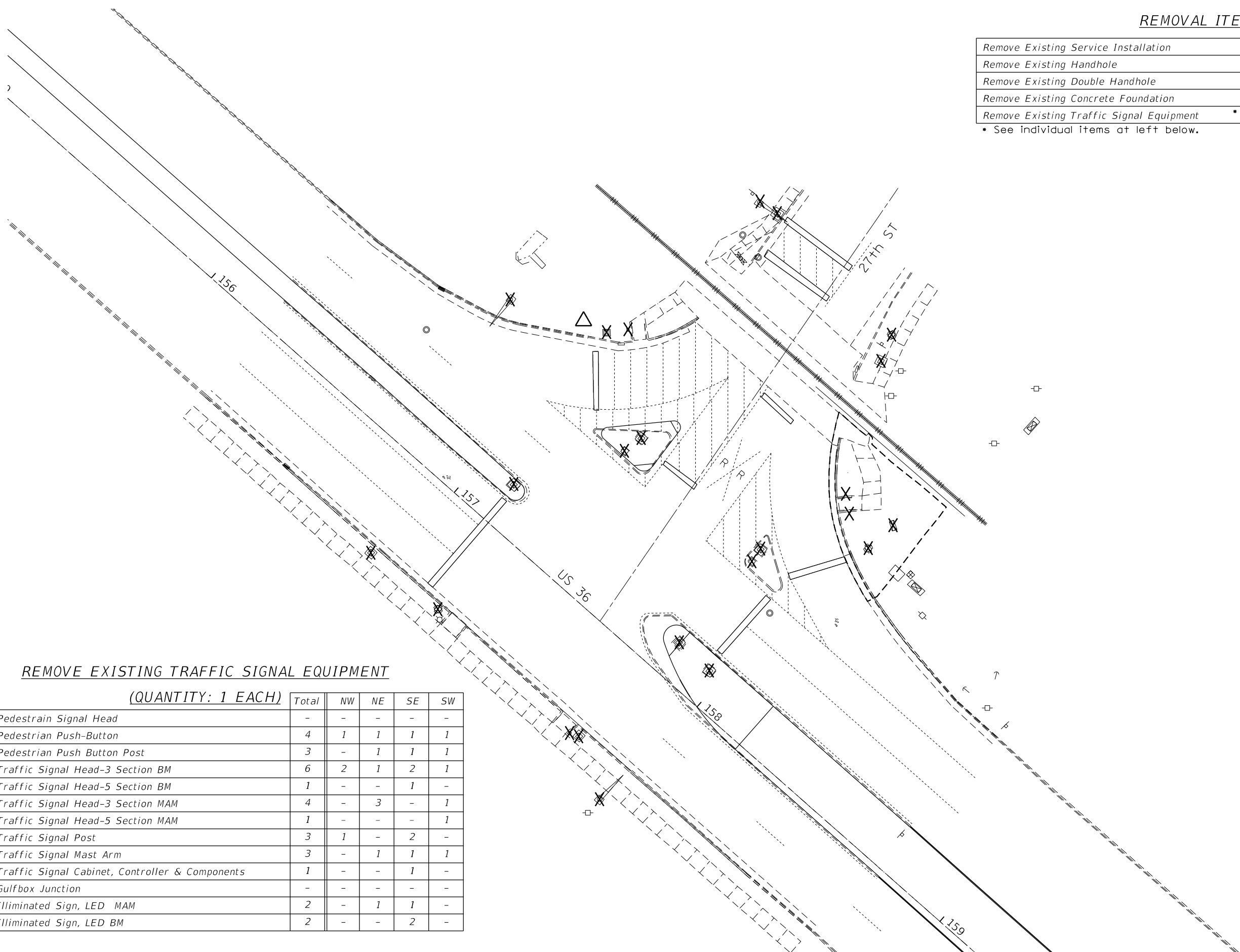
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137Z, 139-X-2)RS-2	MACON	262	239
				CONTRACT NO. 74710
ILLINOIS FED. AID PROJECT				

**REMOVAL ITEMS**

	Total	NW	NE	SE	SW	Islands
Remove Existing Service Installation	Each 1	-	1	-	-	-
Remove Existing Handhole	Each 11	1	2	2	1	5
Remove Existing Double Handhole	Each -	-	-	-	-	-
Remove Existing Concrete Foundation	Each 10	1	3	3	2	1
Remove Existing Traffic Signal Equipment	Each 1					

▪ See individual items at left below.

THE EXISTING SIGNALS WILL BE MAINTAINED UNTIL THE PROPOSED IS ALL INSTALLED AND OPERATIONAL. THEN THE EXISTING WILL BE REMOVED.



**REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT**

(QUANTITY: 1 EACH)

	Total	NW	NE	SE	SW
Pedestrian Signal Head	-	-	-	-	-
Pedestrian Push-Button	4	1	1	1	1
Pedestrian Push Button Post	3	-	1	1	1
Traffic Signal Head-3 Section BM	6	2	1	2	1
Traffic Signal Head-5 Section BM	1	-	-	1	-
Traffic Signal Head-3 Section MAM	4	-	3	-	1
Traffic Signal Head-5 Section MAM	1	-	-	-	1
Traffic Signal Post	3	1	-	2	-
Traffic Signal Mast Arm	3	-	1	1	1
Traffic Signal Cabinet, Controller & Components	1	-	-	1	-
Gulfbox Junction	-	-	-	-	-
Illuminated Sign, LED MAM	2	-	1	1	-
Illuminated Sign, LED BM	2	-	-	2	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & 27th ST  
REMOVAL ITEMS**

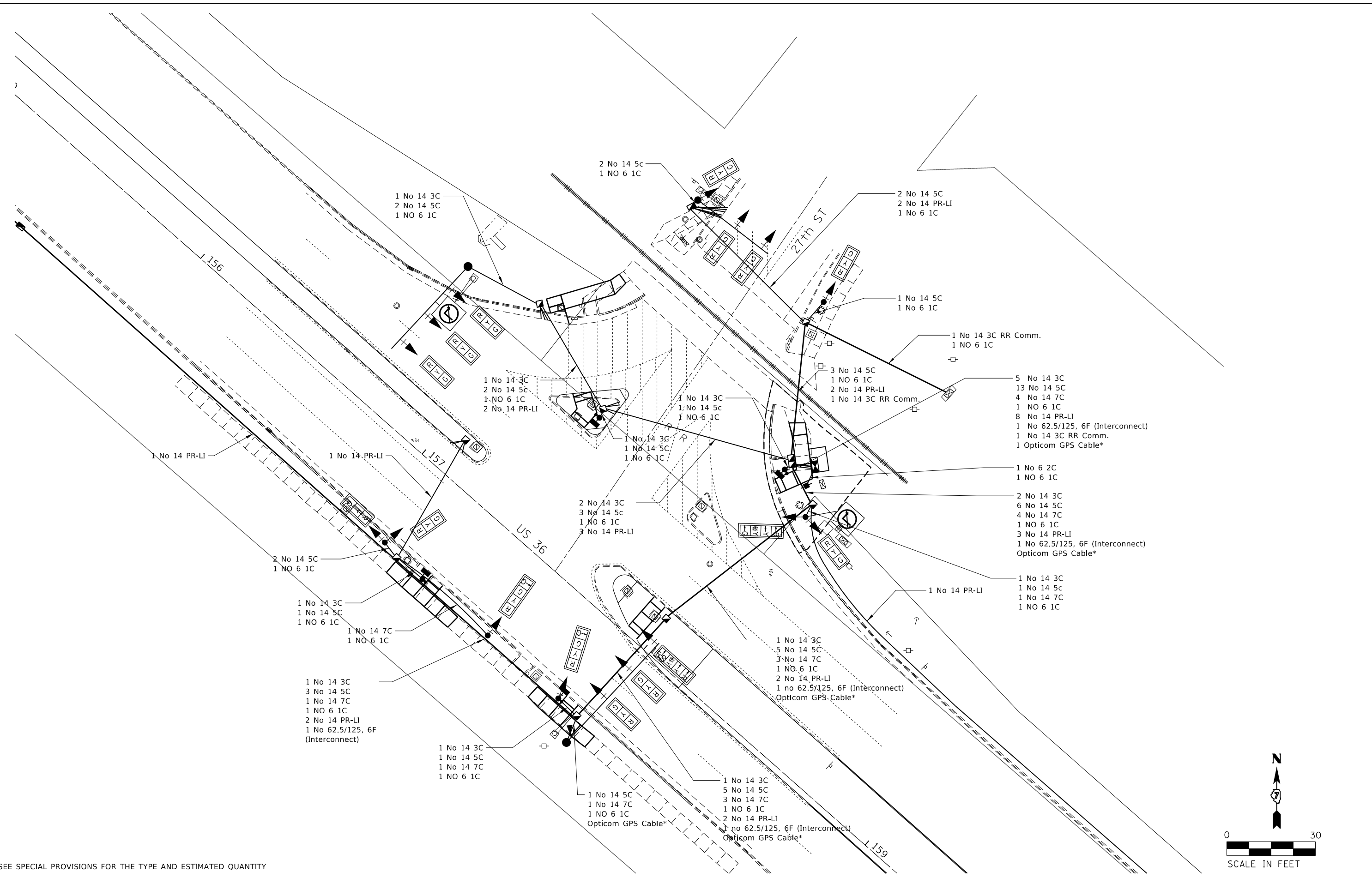
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137z, 139-X-2)RS-2	MACON	262	240
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

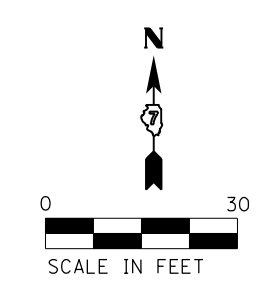
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\*SEE SPECIAL PROVISIONS FOR THE TYPE AND ESTIMATED QUANTITY



USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 30.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & 27th ST  
 CABLE LAYOUT**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137z, 139-X-2)RS-2	MACON	262	242
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				

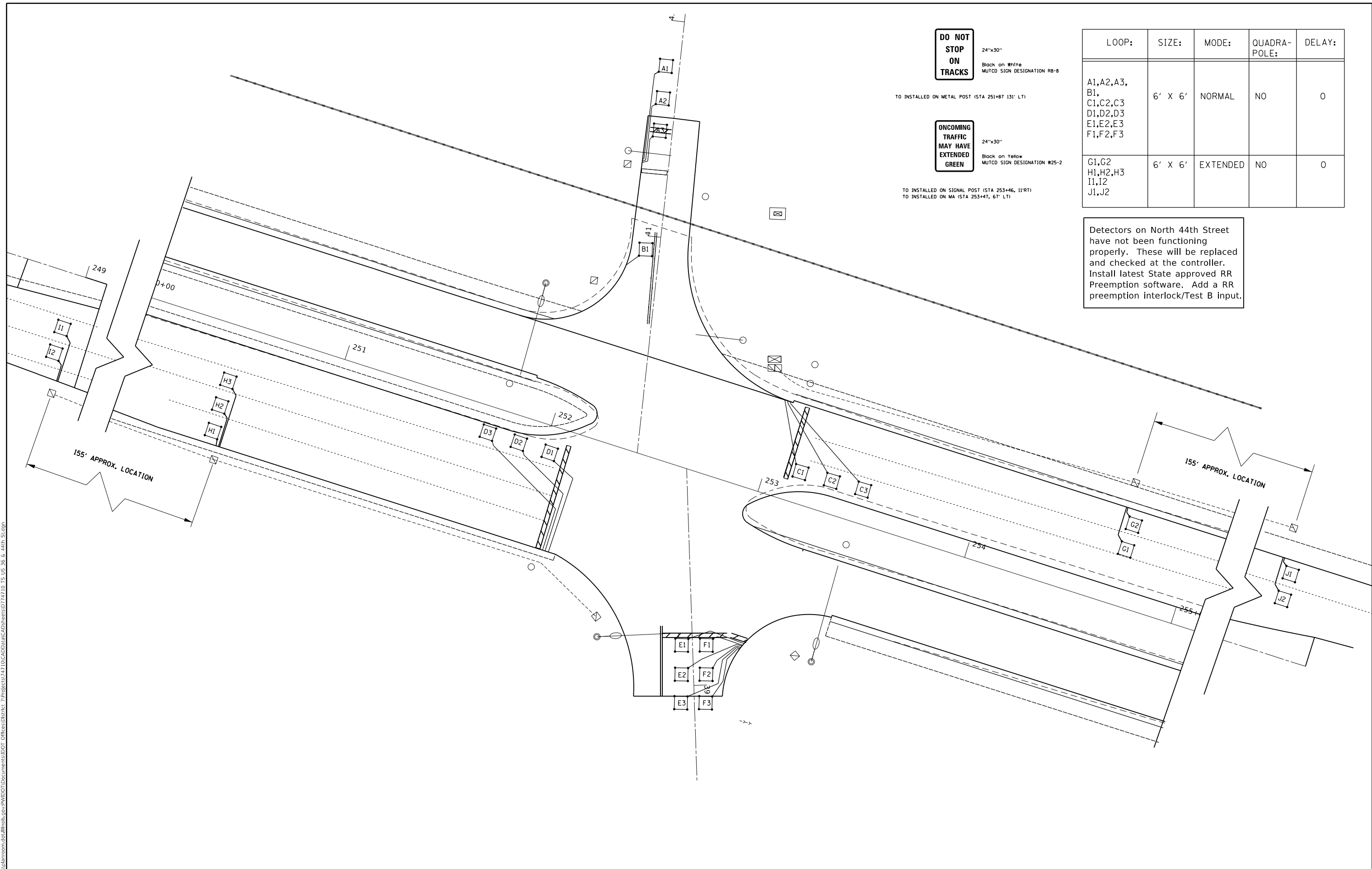


*SHEET LEFT BLANK FOR INSERTION OF THE BORING LOGS*

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	PLOT SCALE = 30,0000' / in.	CHECKED -	REVISED -				320	(137, 139-X-2)RS-2	MACON	262	244
Default	PLOT DATE = 2/20/2020	DATE -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				
					CONTRACT NO. 74710						



MODEL: Default  
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**DO NOT STOP ON TRACKS**

24"x30"  
 Black on White  
 MUTCD SIGN DESIGNATION R8-8

TO INSTALLED ON METAL POST (STA 251+87 131' LT)

**ONCOMING TRAFFIC MAY HAVE EXTENDED GREEN**

24"x30"  
 Black on Yellow  
 MUTCD SIGN DESIGNATION W25-2

TO INSTALLED ON SIGNAL POST (STA 253+46, 11'RT)  
 TO INSTALLED ON MA (STA 253+47, 67' LT)

LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
A1,A2,A3, B1, C1,C2,C3 D1,D2,D3 E1,E2,E3 F1,F2,F3	6' X 6'	NORMAL	NO	0
G1,G2 H1,H2,H3 I1,I2 J1,J2	6' X 6'	EXTENDED	NO	0

Detectors on North 44th Street have not been functioning properly. These will be replaced and checked at the controller. Install latest State approved RR Preemption software. Add a RR preemption interlock/Test B input.

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/21/2020	DATE -	REVISED -

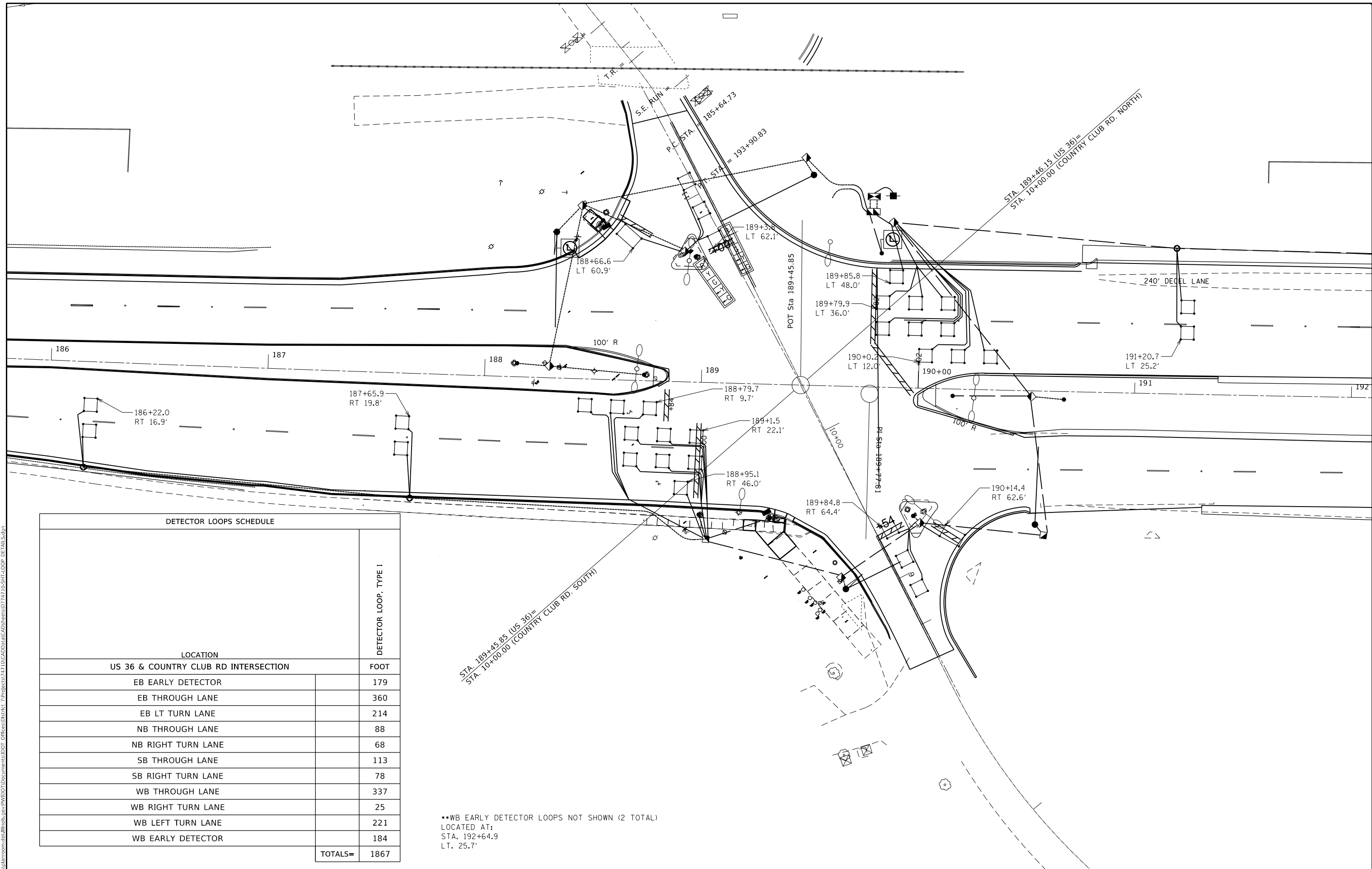
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION OF US RTE 36 & 44th ST  
 DETECTOR LOOP**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
320	(137z, 139-X-2)RS-2	MACON	262	245
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				

MODEL: Default  
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 PLOT DATE: 2/20/2020  
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DETECTOR LOOPS SCHEDULE

LOCATION	DETECTOR LOOP, TYPE I
US 36 & COUNTRY CLUB RD INTERSECTION	FOOT
EB EARLY DETECTOR	179
EB THROUGH LANE	360
EB LT TURN LANE	214
NB THROUGH LANE	88
NB RIGHT TURN LANE	68
SB THROUGH LANE	113
SB RIGHT TURN LANE	78
WB THROUGH LANE	337
WB RIGHT TURN LANE	25
WB LEFT TURN LANE	221
WB EARLY DETECTOR	184
<b>TOTALS=</b>	<b>1867</b>

••WB EARLY DETECTOR LOOPS NOT SHOWN (2 TOTAL)  
 LOCATED AT:  
 STA. 192+64.9  
 LT. 25.7'

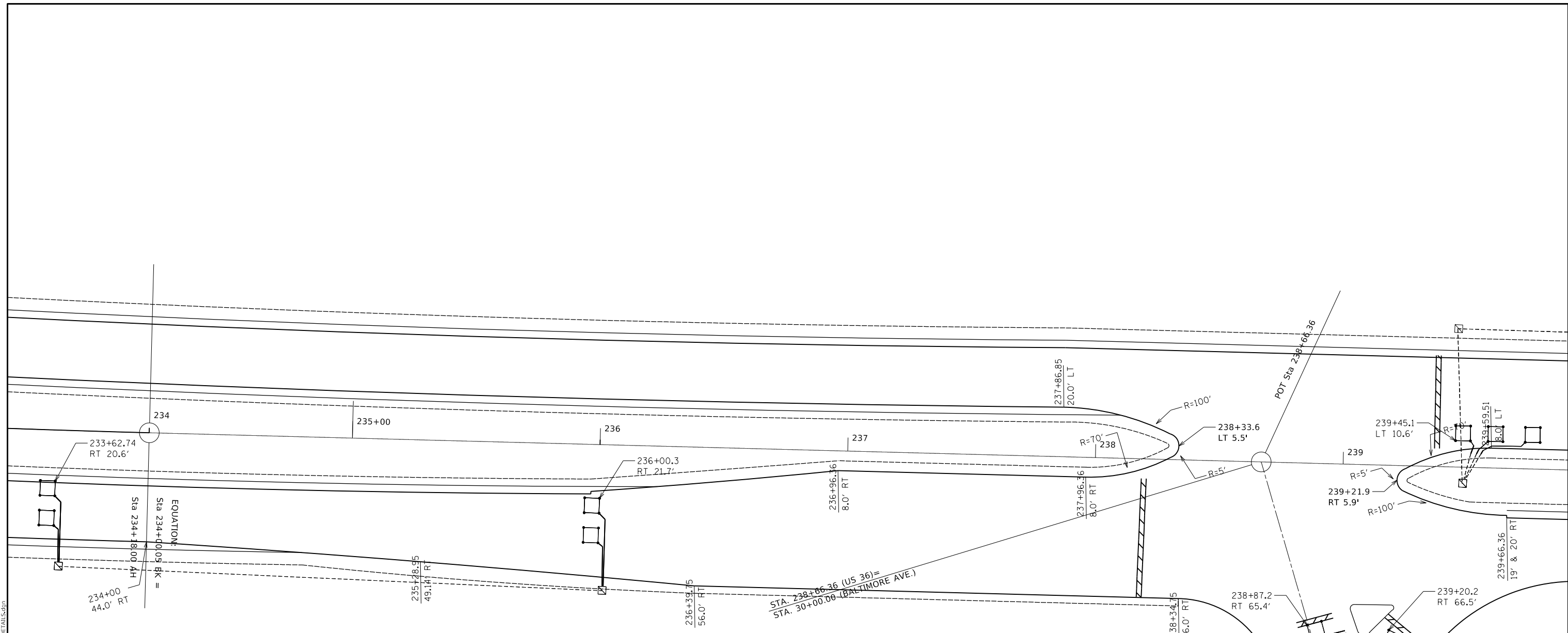
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**DETECTOR LOOP**  
**DETAILS**

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137Z, 139-X-2) R5-2	MACON	262	246
* F.A.P. RTE 320, 323, 323A		CONTRACT NO. 74710		
ILLINOIS FED. AID PROJECT				

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 PROJECT: 171710\CADD\DATA\CAD\sheet\171710-SHT-LOOP-DETAILS.dwg



DETECTOR LOOPS SCHEDULE		DETECTOR LOOP, TYPE I
LOCATION		
US 36 & BALTIMORE ST. STREET INTERSECTION		FOOT
EB EARLY DETECTOR		182
NB LANE		68
NB RIGHT TURN LANE		87
WB LEFT TURN LANE		105
** WB EARLY DETECTOR		177
TOTALS=		619

\*\*WB EARLY DETECTOR LOOPS NOT SHOWN (4 TOTAL)  
 LOCATED AT:  
 STA. 241+63.4      STA. 243+83.7  
 LT. 23.0'          LT. 22.0'

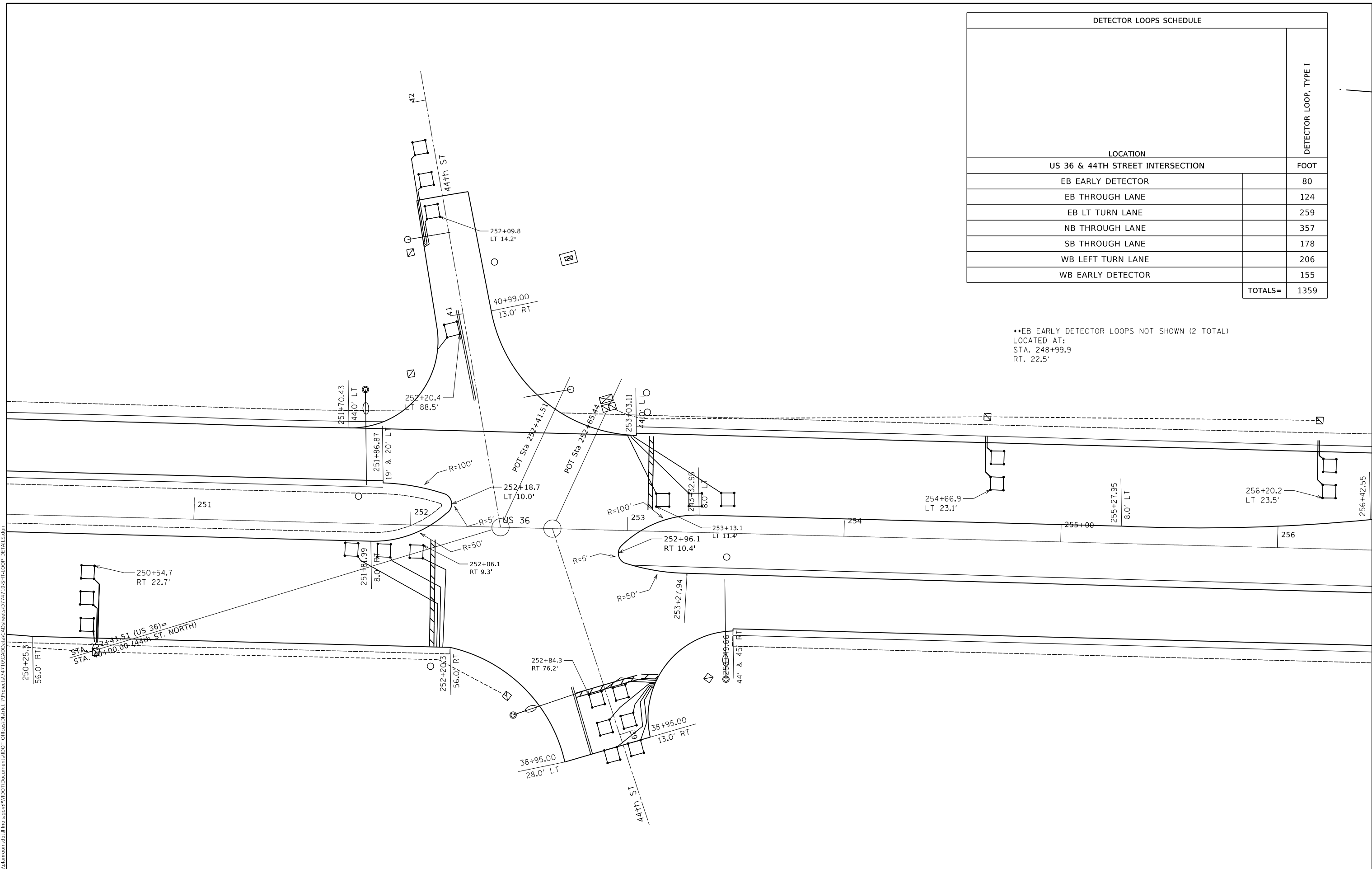
USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 2/20/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>DETECTOR LOOP    DETAILS</b>			
SCALE:	SHEET 2	OF 4 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137Z, 139-X-2) R5-2	MACON	262	247
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				

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DETECTOR LOOPS SCHEDULE		DETECTOR LOOP, TYPE I
LOCATION		
US 36 & 44TH STREET INTERSECTION		FOOT
EB EARLY DETECTOR		80
EB THROUGH LANE		124
EB LT TURN LANE		259
NB THROUGH LANE		357
SB THROUGH LANE		178
WB LEFT TURN LANE		206
WB EARLY DETECTOR		155
<b>TOTALS=</b>		<b>1359</b>

••EB EARLY DETECTOR LOOPS NOT SHOWN (2 TOTAL)  
 LOCATED AT:  
 STA. 248+99.9  
 RT. 22.5'

USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 2/20/2020	CHECKED -	REVISED -
	DATE -	REVISED -

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

**DETECTOR LOOP**  
**DETAILS**

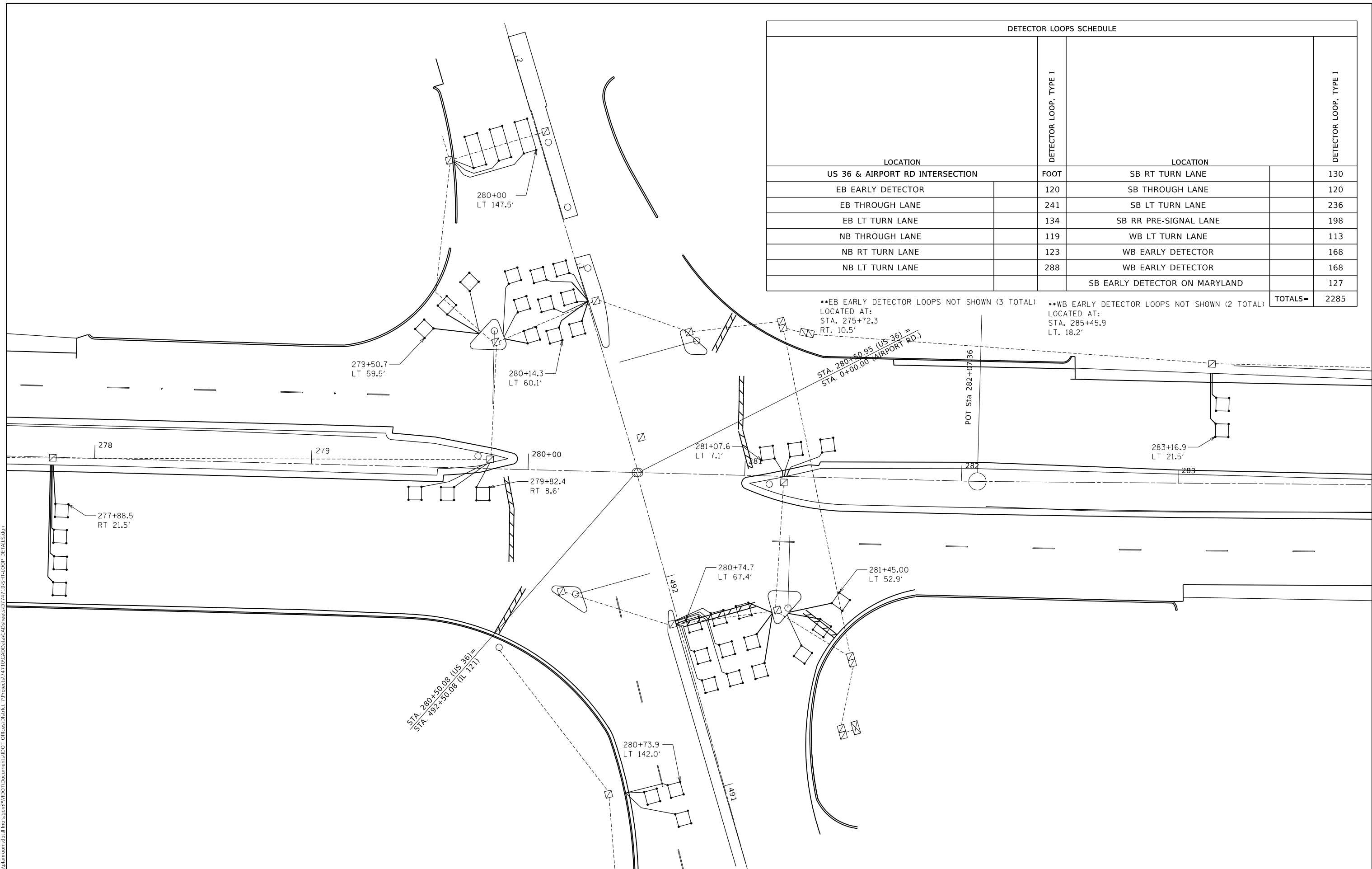
SCALE: SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(137Z, 139-X-2) R5-2	MACON	262	248
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				

DETECTOR LOOPS SCHEDULE			
LOCATION	DETECTOR LOOP, TYPE I	LOCATION	DETECTOR LOOP, TYPE I
US 36 & AIRPORT RD INTERSECTION	FOOT	SB RT TURN LANE	130
EB EARLY DETECTOR	120	SB THROUGH LANE	120
EB THROUGH LANE	241	SB LT TURN LANE	236
EB LT TURN LANE	134	SB RR PRE-SIGNAL LANE	198
NB THROUGH LANE	119	WB LT TURN LANE	113
NB RT TURN LANE	123	WB EARLY DETECTOR	168
NB LT TURN LANE	288	WB EARLY DETECTOR	168
		SB EARLY DETECTOR ON MARYLAND	127
			<b>TOTALS=</b> 2285

••EB EARLY DETECTOR LOOPS NOT SHOWN (3 TOTAL)  
 LOCATED AT:  
 STA. 275+72.3  
 RT. 10.5'

••WB EARLY DETECTOR LOOPS NOT SHOWN (2 TOTAL)  
 LOCATED AT:  
 STA. 285+45.9  
 LT. 18.2'



MODEL: Default  
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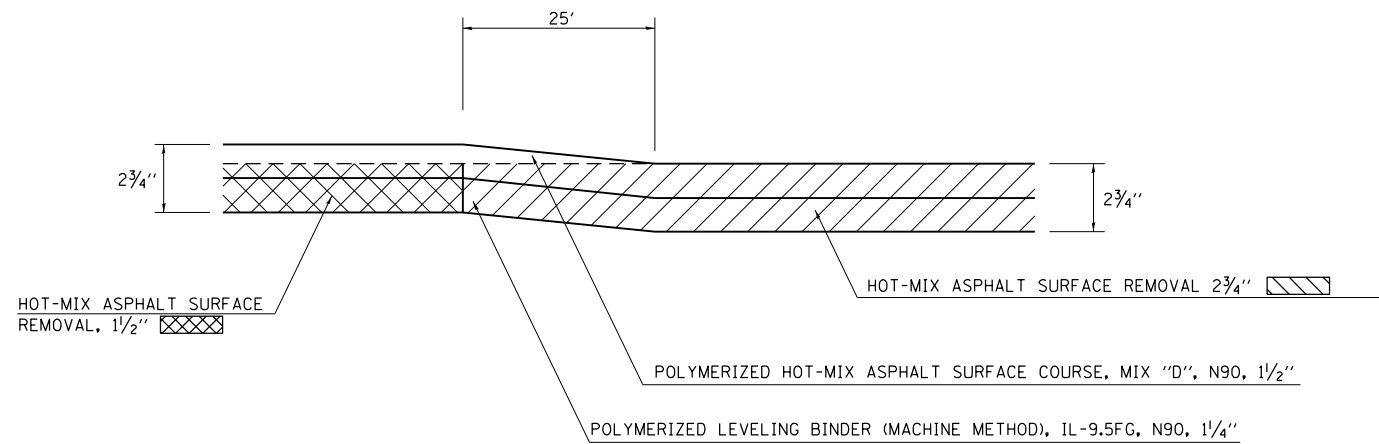
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	DRAWN -	REVISED -
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PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

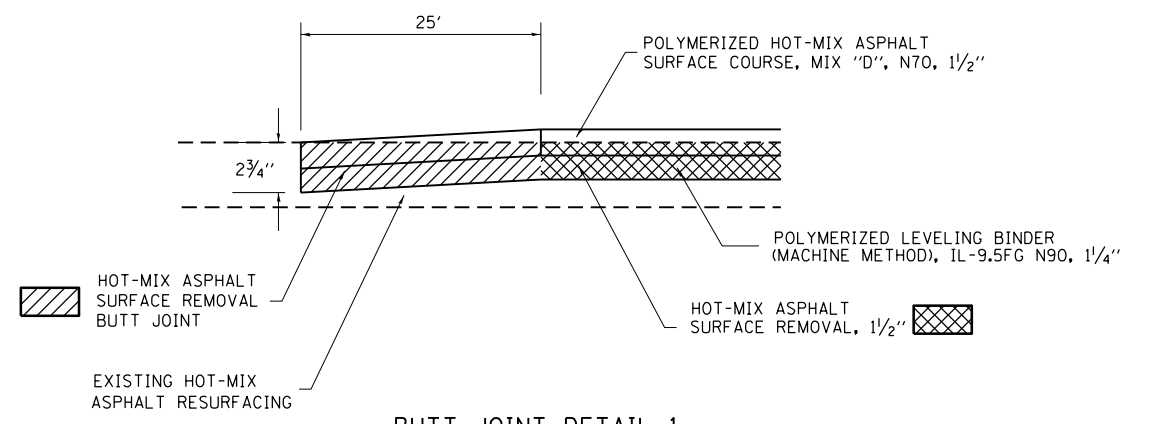
**DETECTOR LOOP  
 DETAILS**

SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

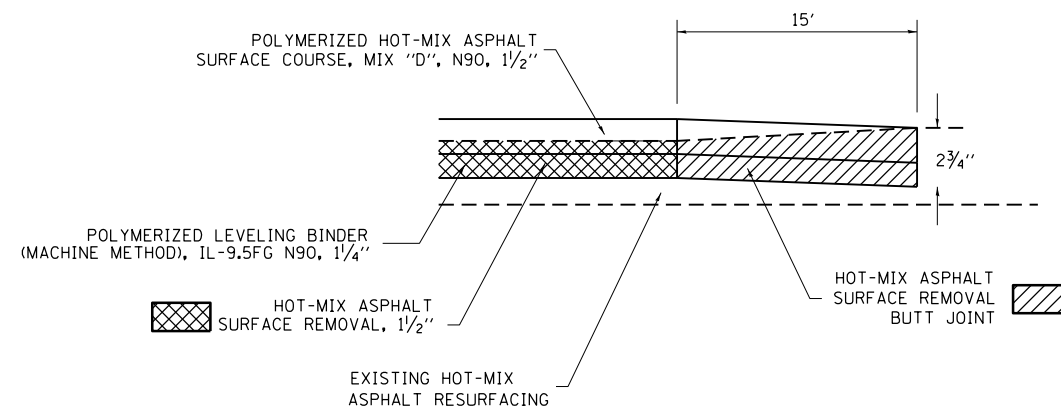
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	(137Z, 139-X-2) R5-2	MACON	262	249
CONTRACT NO. 74710				
ILLINOIS FED. AID PROJECT				



**MILLING TRANSITION DETAIL**  
 STA. 277+65.3 TO STA. 277+90.3



**BUTT JOINT DETAIL 1**  
 STA. 190+65.62 TO STA. 190+90.62  
 STA. 283+02.7 TO STA. 283+27.7



**BUTT JOINT DETAIL 2**

MODEL: Default  
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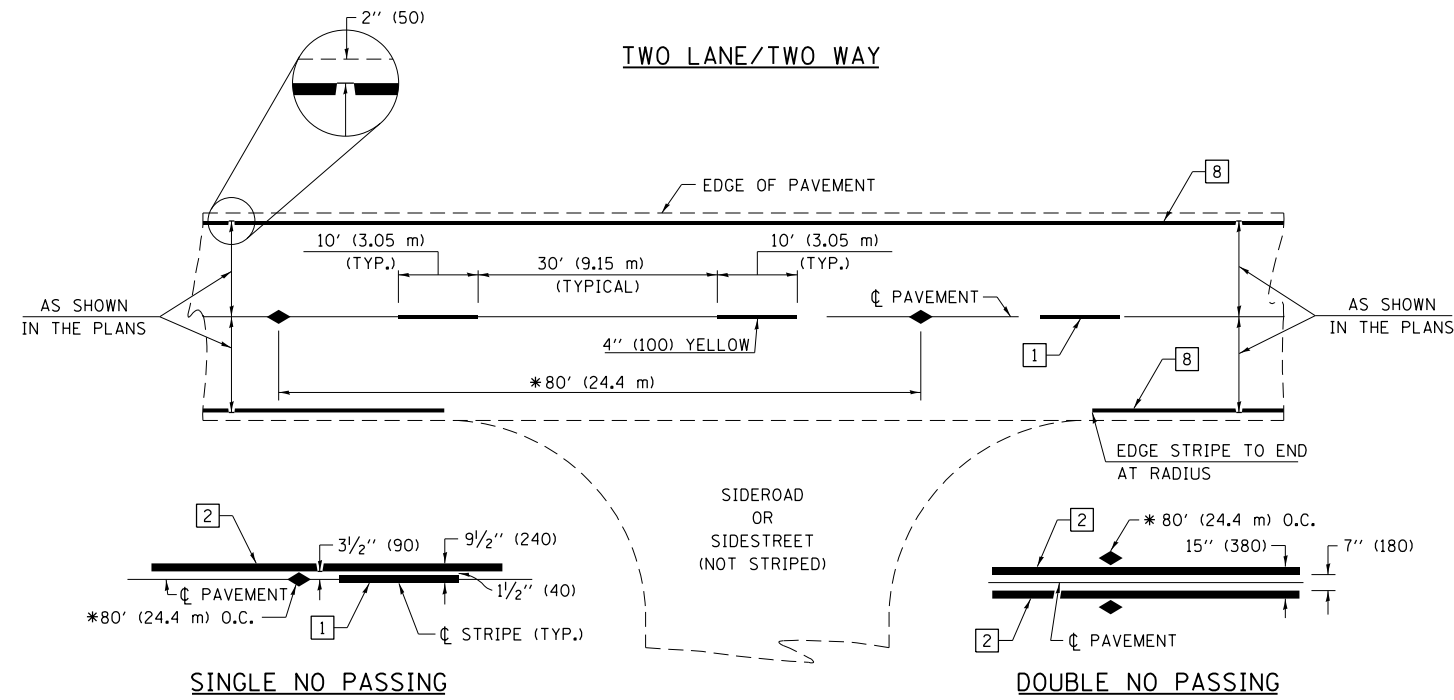
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SURFACE REMOVAL  
 DETAILS**

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

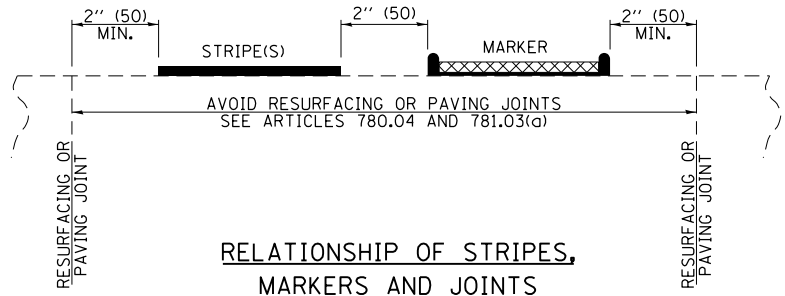
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*	(137Z, 139-X-2)RS-2	MACON	262	250
*F.A.P. RTE. 320, 323, 323A			CONTRACT NO. 74710	
ILLINOIS FED. AID PROJECT				



\* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

**PAVEMENT MARKING LEGEND**

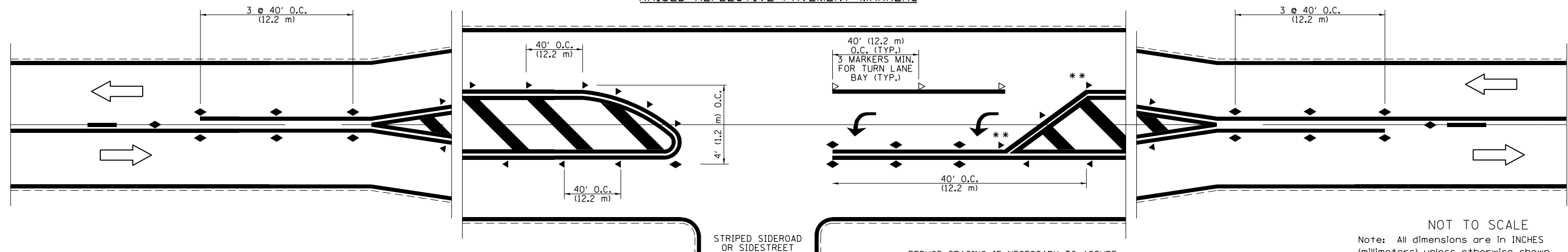
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE



**TYPICAL PAVEMENT MARKERS LEGEND**

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

**RAISED REFLECTIVE PAVEMENT MARKERS**



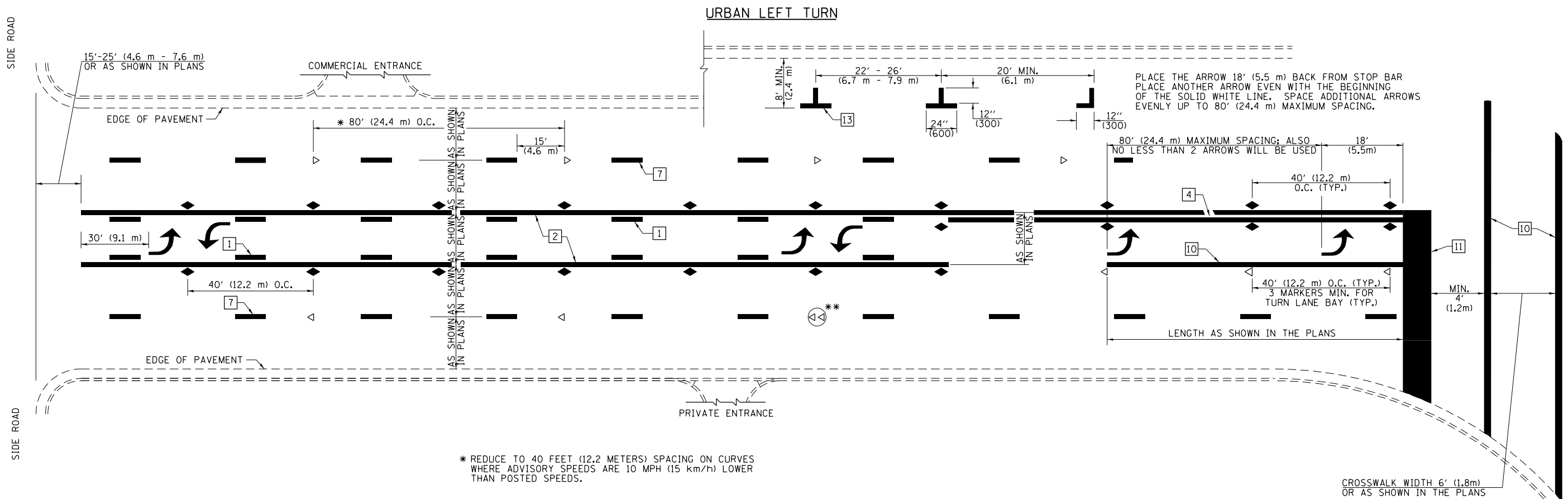
\*\* REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

NOT TO SCALE  
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 7 DETAIL NO. 78000001**

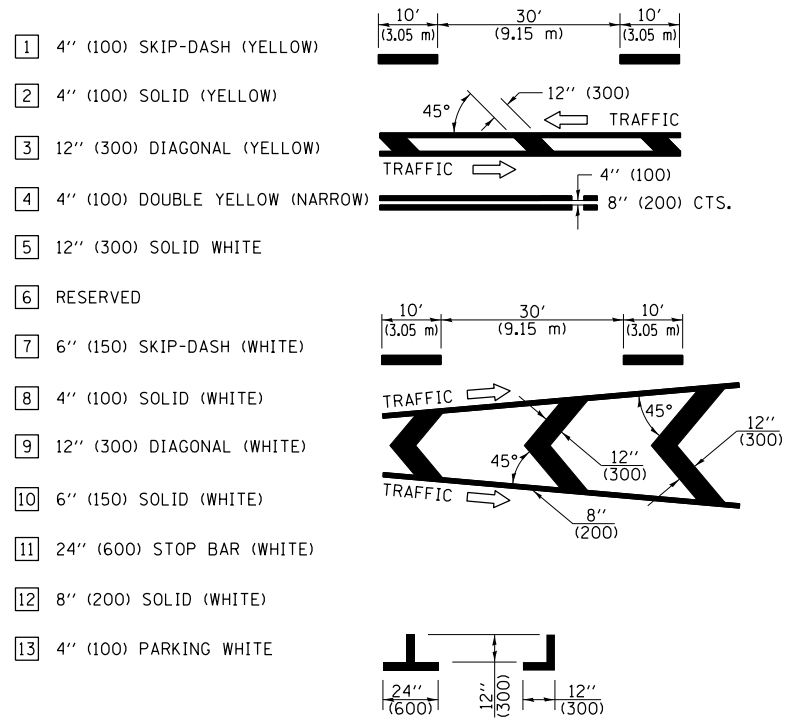
FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planning\dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74710\CAD\CADsheets\0774710-sht-DETAILS.dwg	DESIGNED -	REVISED -	* (137Z, 139-X-2)RS-2			MACON	262	251		
PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -	*F.A.P. RTE. 320, 323, 323A			CONTRACT NO. 74710				
PLOT DATE = 2/20/2020	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.



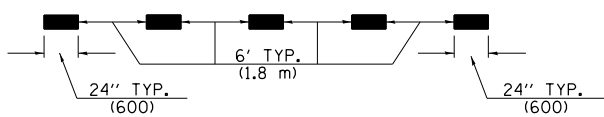
- \* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.
- \*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**PAVEMENT MARKING LEGEND**

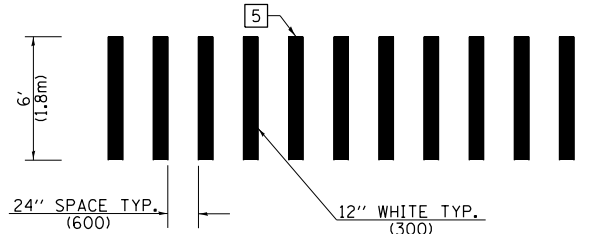


**GENERAL NOTES**

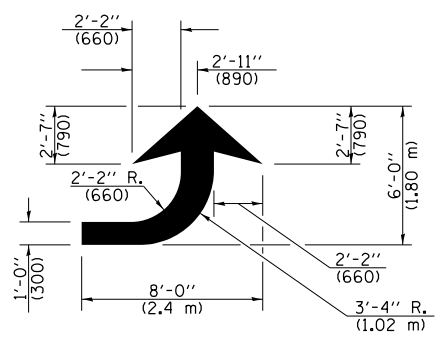
1. TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
2. THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
3. THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER.
4. USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
5. LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



**LANE LINE EXTENSIONS**

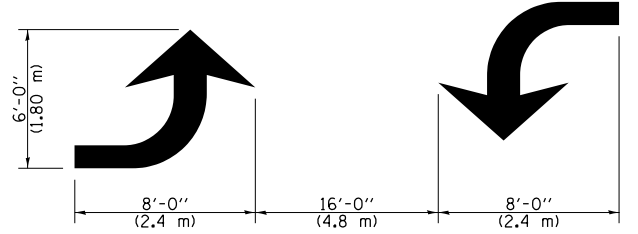


**CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)**



**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
(WHITE)

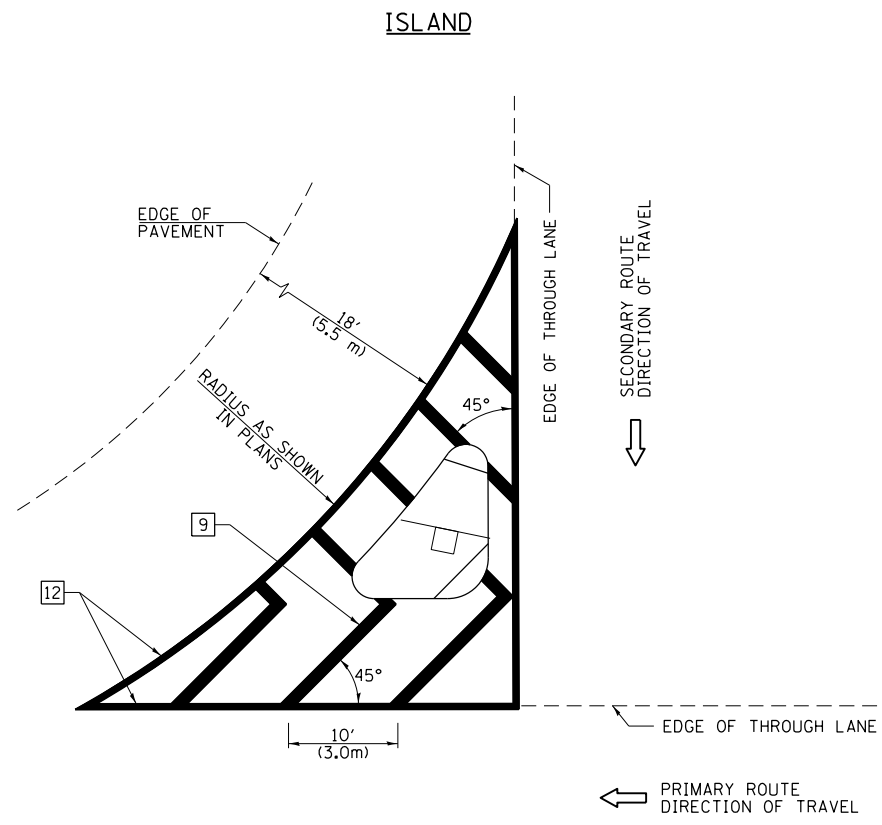


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

NOT TO SCALE

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



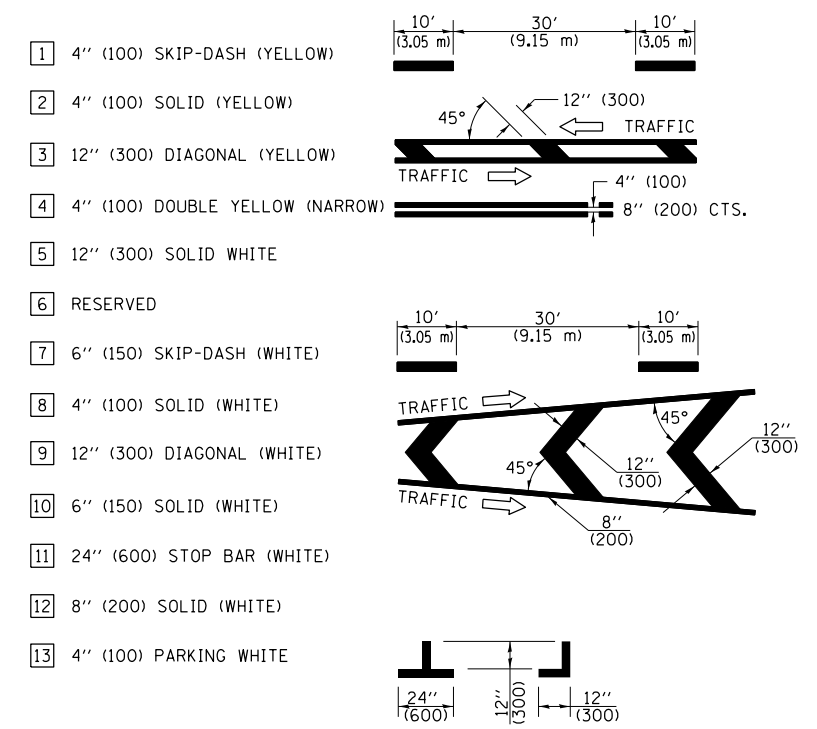


**GENERAL NOTES**

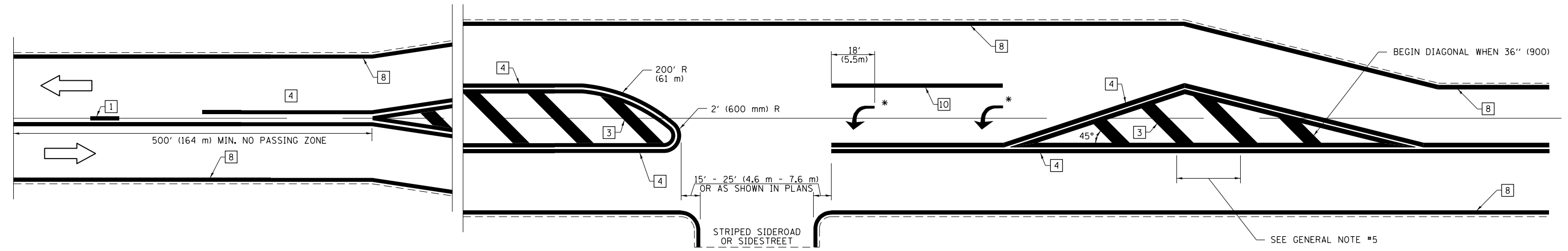
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:
 

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)

**PAVEMENT MARKING LEGEND**



**RURAL LEFT TURN STRIPING**



\* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

NOT TO SCALE  
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

**DISTRICT 7 DETAIL NO. 7800001**

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74710\DRAWING\CADsheets\0774710-sht-DETAILS.dwg		REVISION	REVISION
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PLOT DATE = 2/20/2020	DATE -	REVISION	REVISION

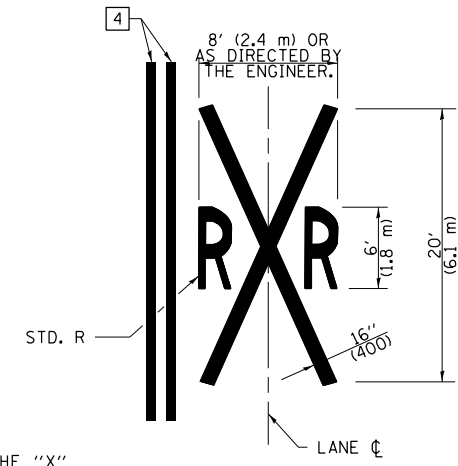
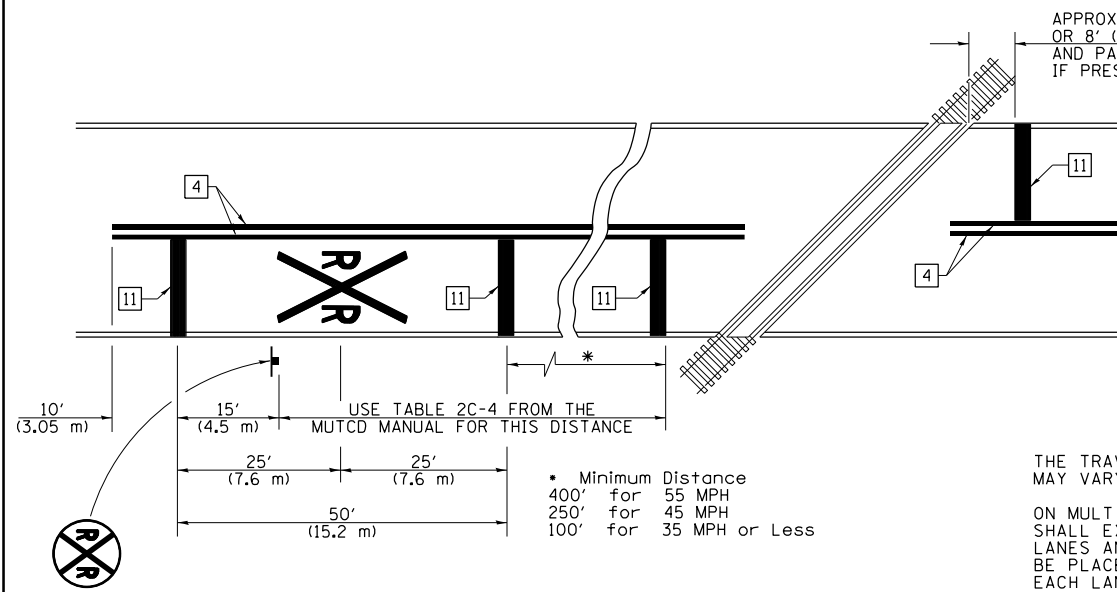
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS  
 (RURAL & URBAN APPLICATIONS)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137Z, 139-X-2)RS-2	MACON	262	253
*F.A.P. RTE. 320, 323, 323A			CONTRACT NO. 74710	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

APPROXIMATELY 15' (4.5 m) OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

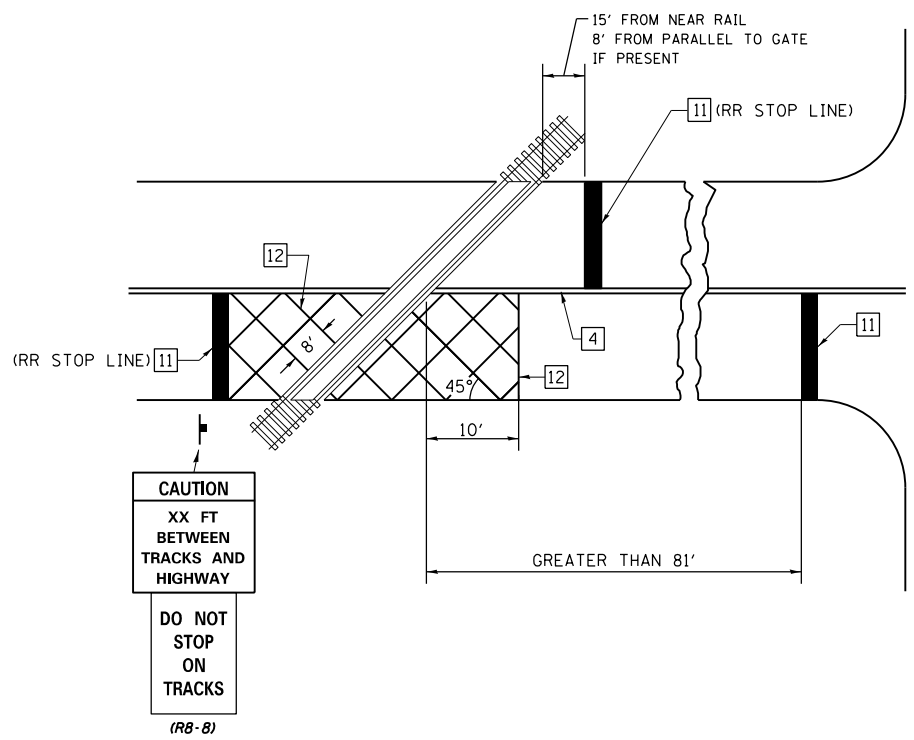
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

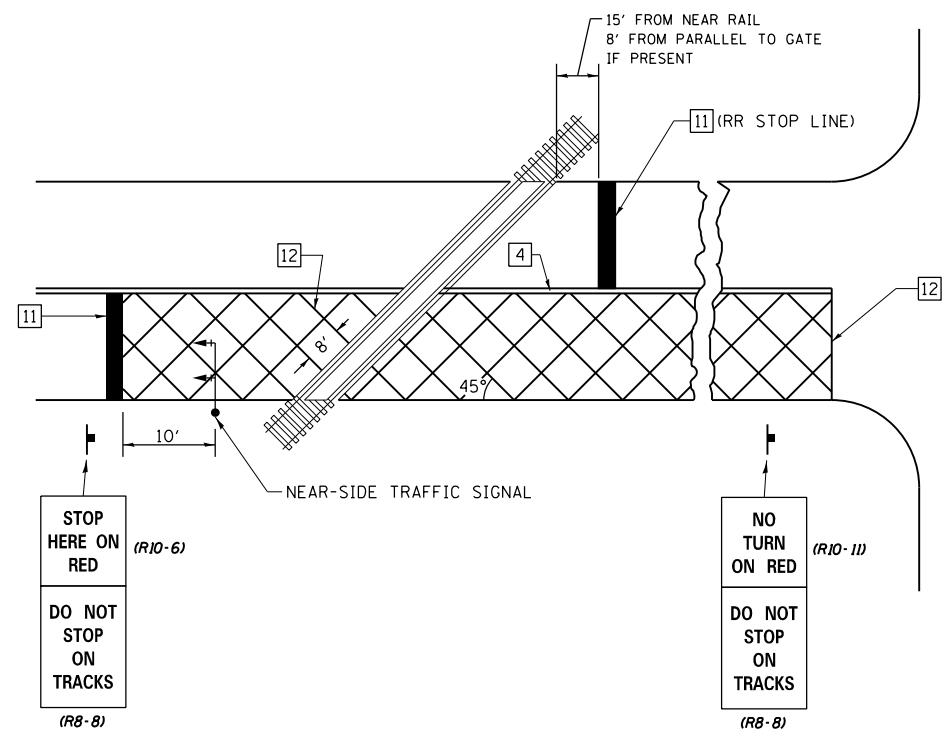
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) PARKING WHITE

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

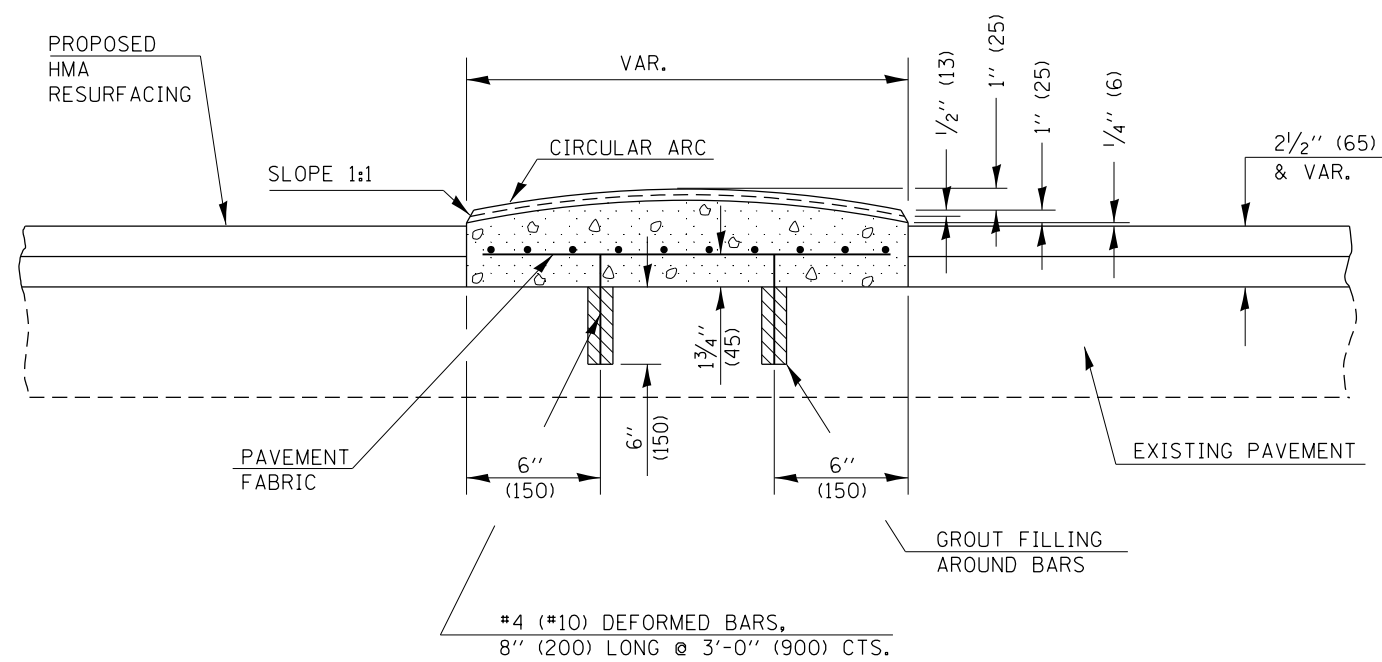
NOT TO SCALE

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

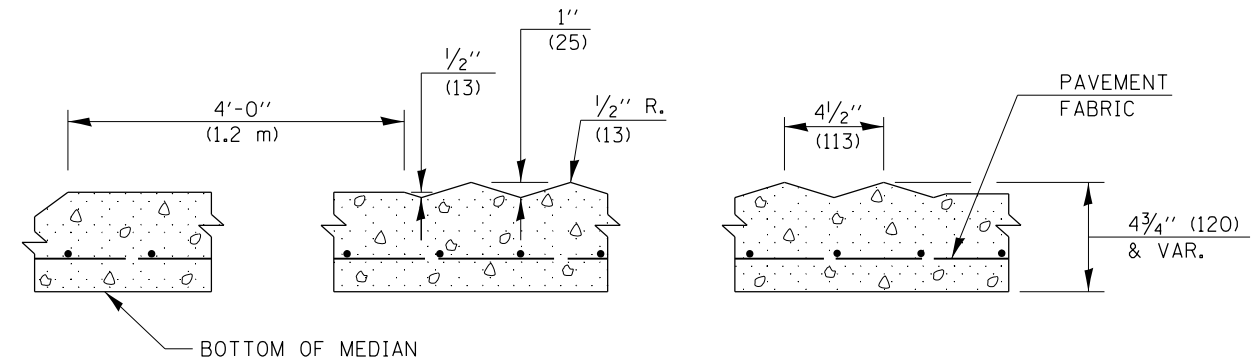
DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -	*F.A.P. RTE. 320, 323, 323A CONTRACT NO. 74710							
PLOT DATE = 2/20/2020	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.



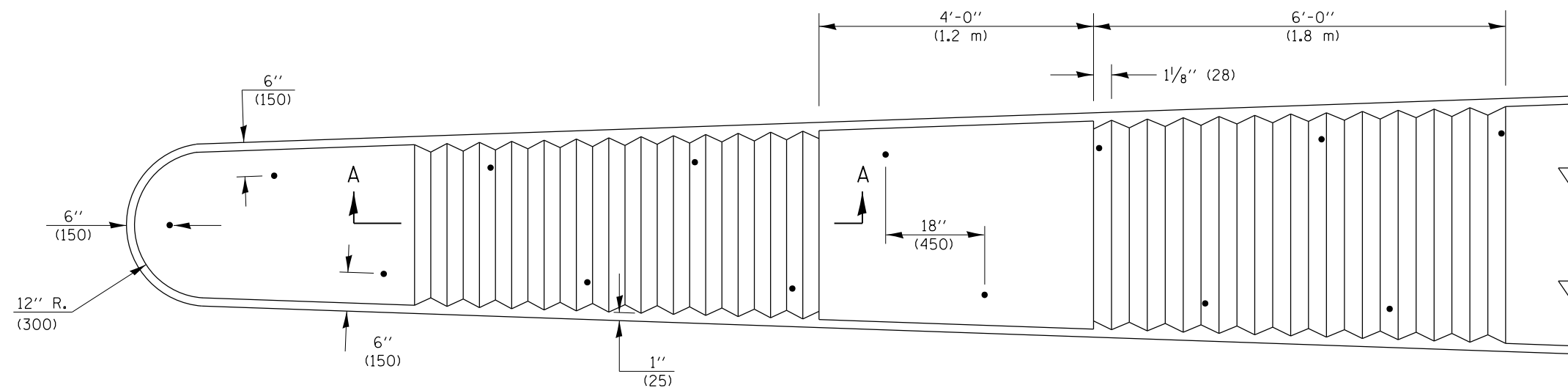
**TRANSVERSE SECTION**



**SECTION A-A**

**GENERAL NOTES**

1. DOWELS AT 3'-0" (900) INTERVALS OR AS DIRECTED BY THE ENGINEER.
2. SEE STANDARD 420701 FOR PAVEMENT FABRIC DETAILS.



**PLAN**

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

**DISTRICT 7 DETAIL NO. 60624610**

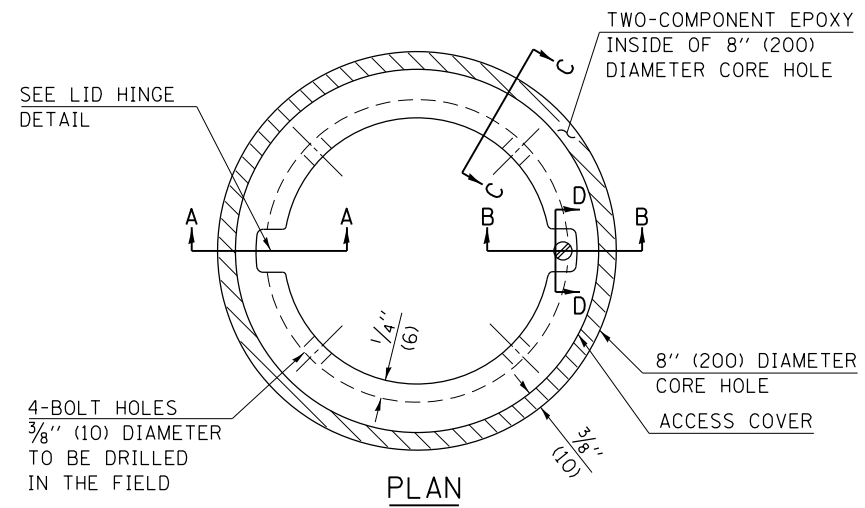
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		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CORRUGATED MEDIAN (DOWELLED)**

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

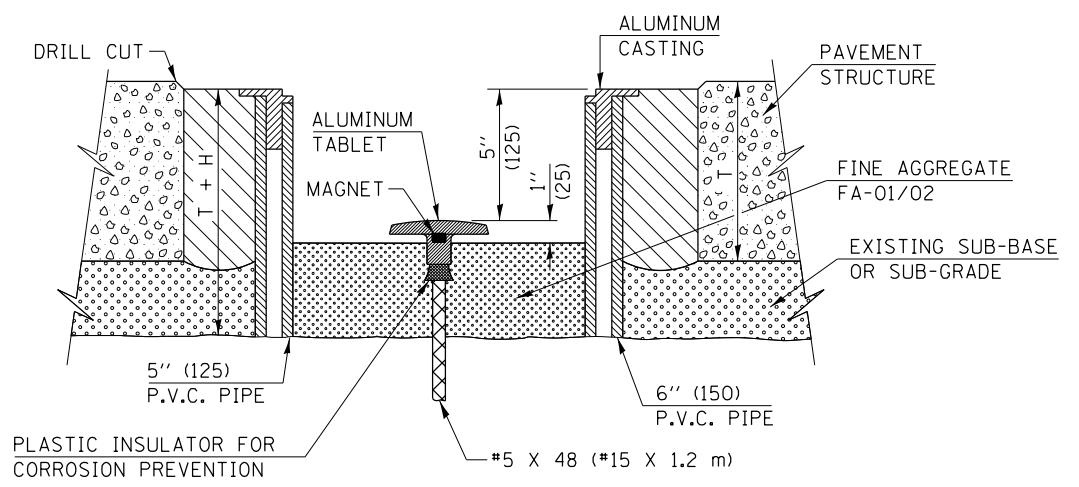
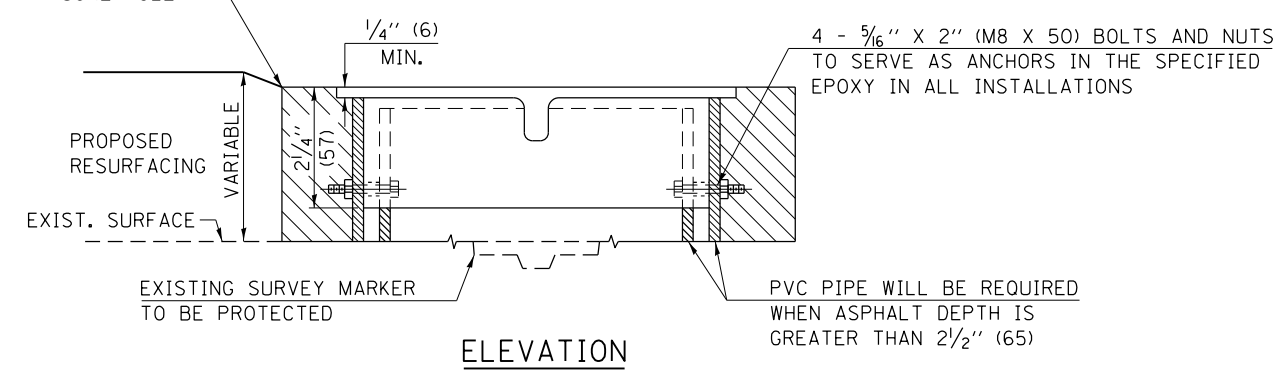
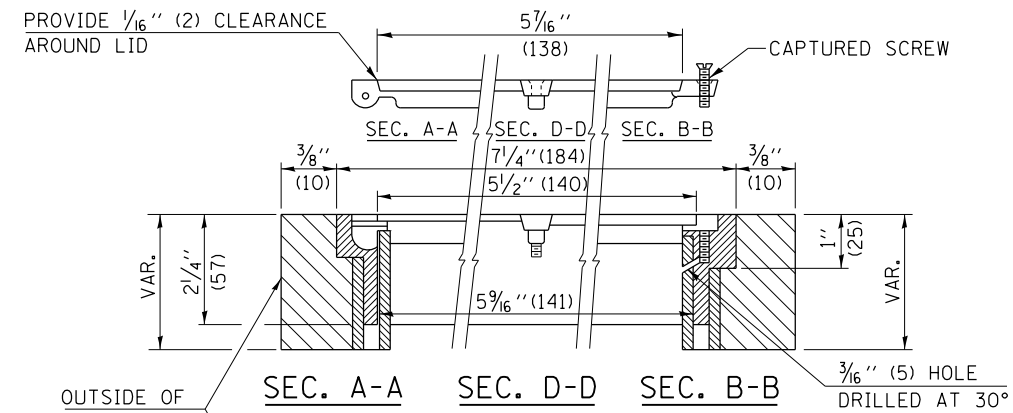
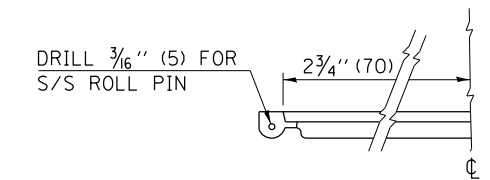
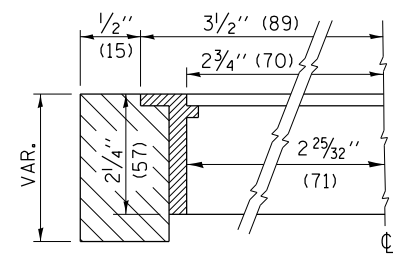
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137Z, 139-X-2) R5-2	MACON	262	255
* F.A.P. RTE 320, 323, 323A			CONTRACT NO. 74710	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



**LEGEND**

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

BILL OF MATERIAL	
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS,	
4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY,	
5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).	



EXISTING SURVEY MARKER

PROPOSED SURVEY MARKER

NOT TO SCALE

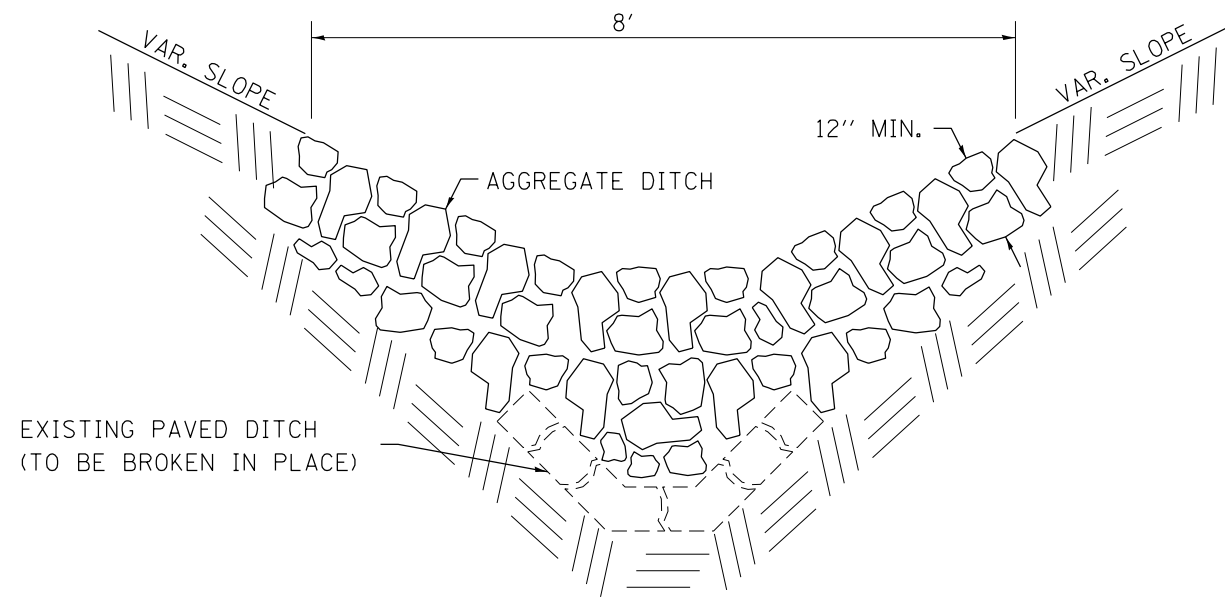
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	PLOT DATE = 2/20/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

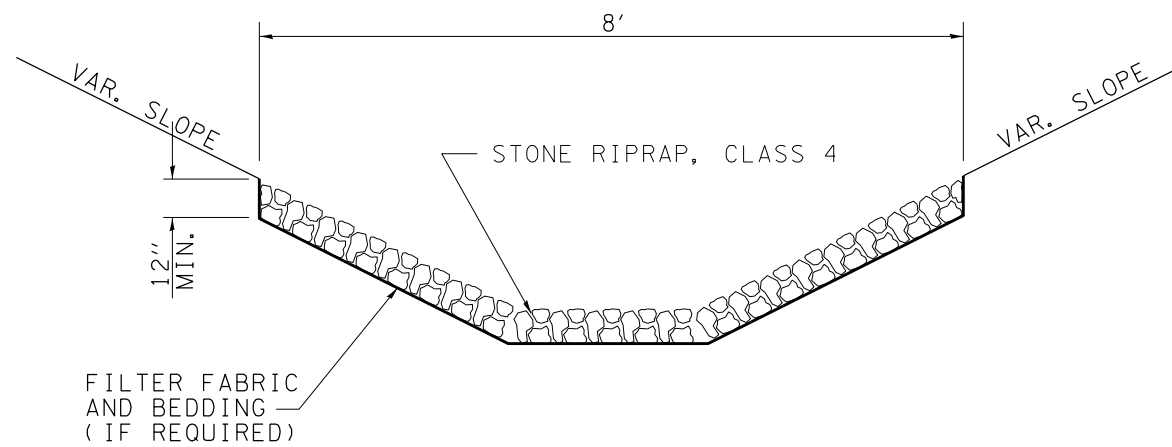
SURVEY MARKER VAULT

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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DISTRICT 7 DETAIL NO. 20070202				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	(137Z, 139-X-2) R5-2	MACON	262	256
* F.A.P. RTE 320, 323, 323A			CONTRACT NO. 74710	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**DETAIL OF AGGREGATE DITCH**



**DETAIL OF RIPRAP, CLASS 4**

MODEL: Default  
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USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100,0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**AGGREGATE DITCH (SPECIAL)/RIP RAP  
DETAILS**

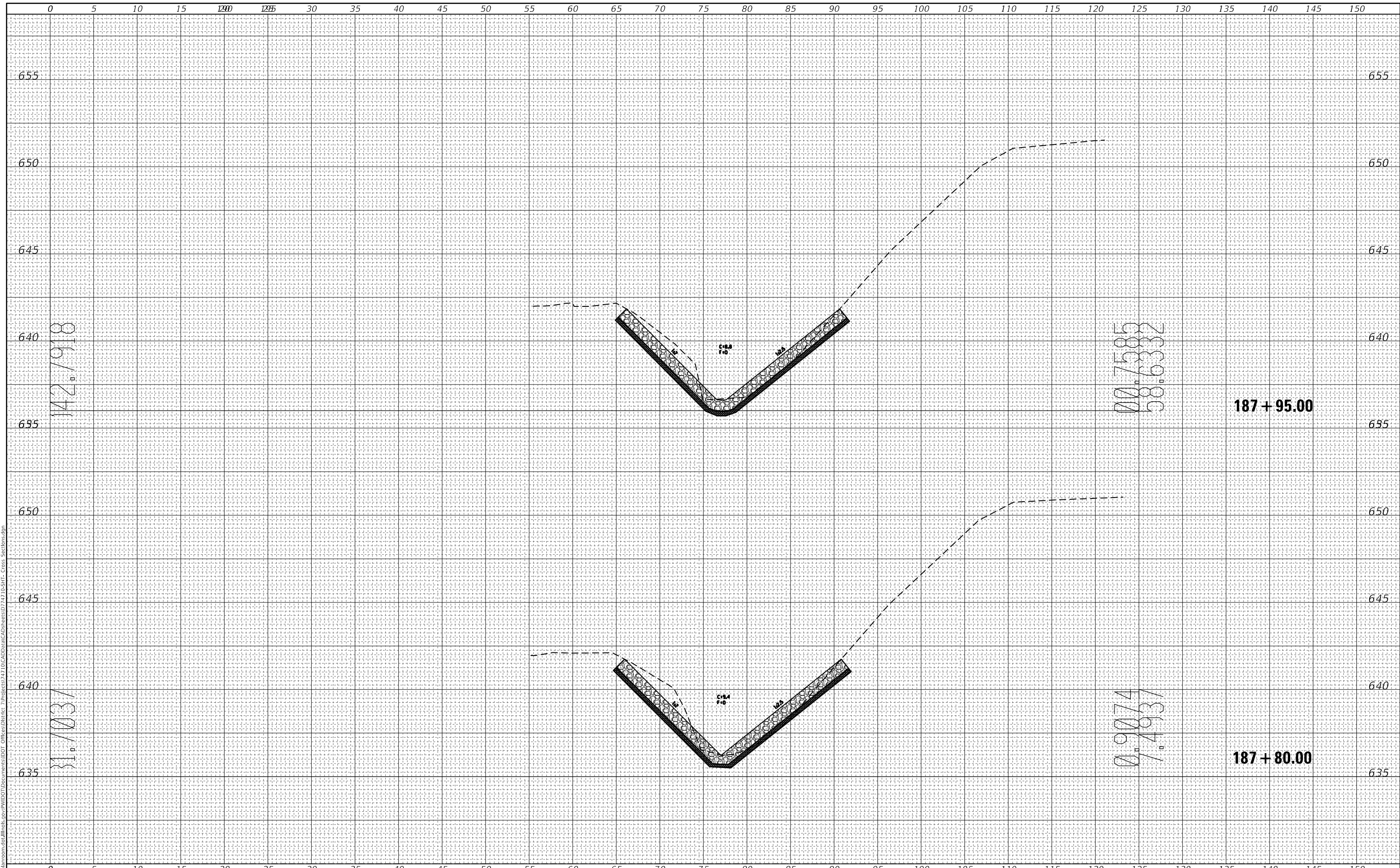
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137Z, 139-X-2)RS-2	MACON	262	257
*F.A.P. RTE. 320, 323, 323A		CONTRACT NO. 74710		
ILLINOIS FED. AID PROJECT				

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

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

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USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**AGGREGATE DITCH  
CROSS SECTIONS**

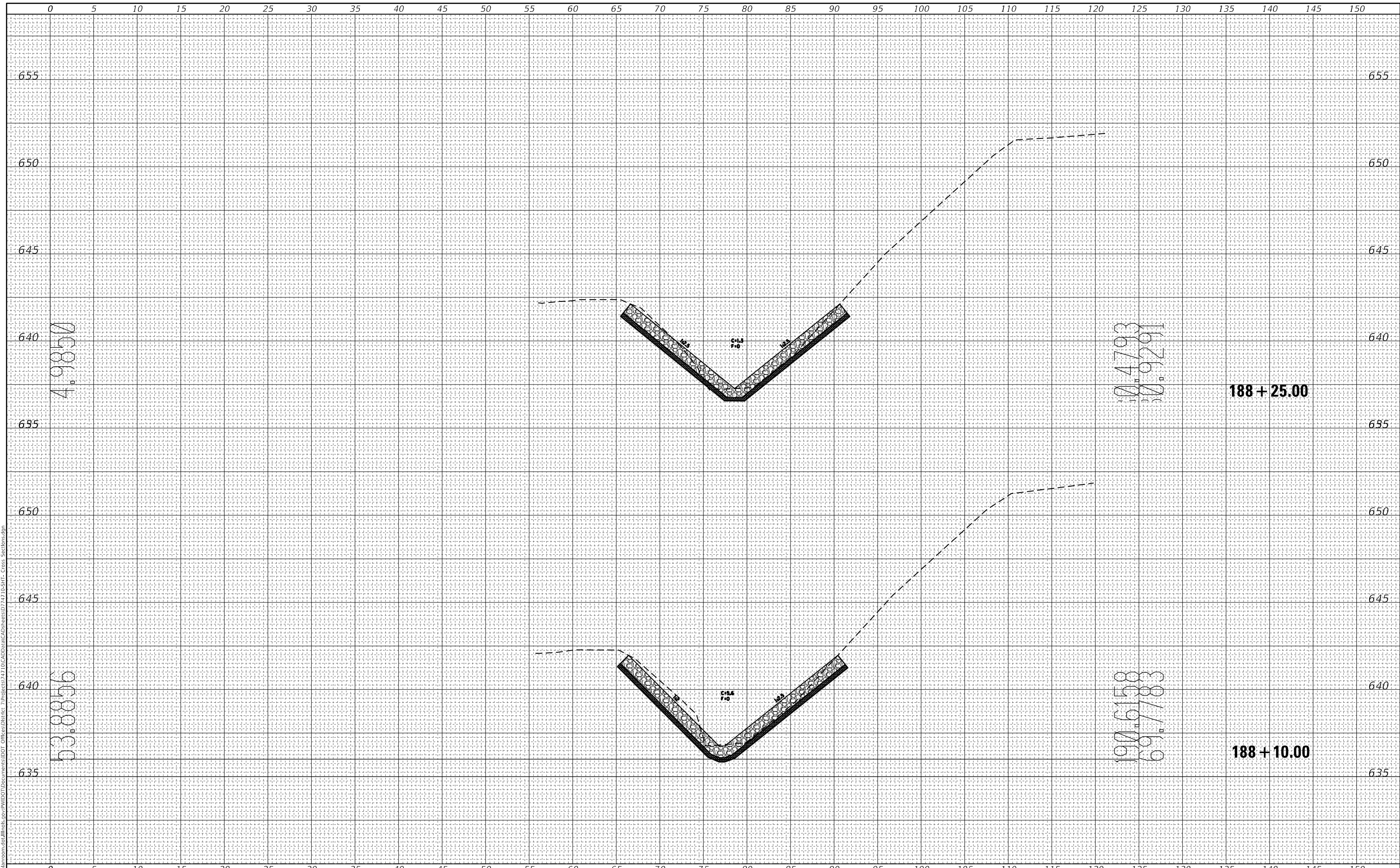
SCALE: SHEET 1 OF 5 SHEETS STA. 187+80.00 TO STA. 187+95.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137Z, 139-X-2)RS-2	MACON	262	258
*F.A.P. RTE 320, 323, 323A			CONTRACT NO. 74710	
ILLINOIS		FED. AID PROJECT		

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

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

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PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**AGGREGATE DITCH  
CROSS SECTIONS**

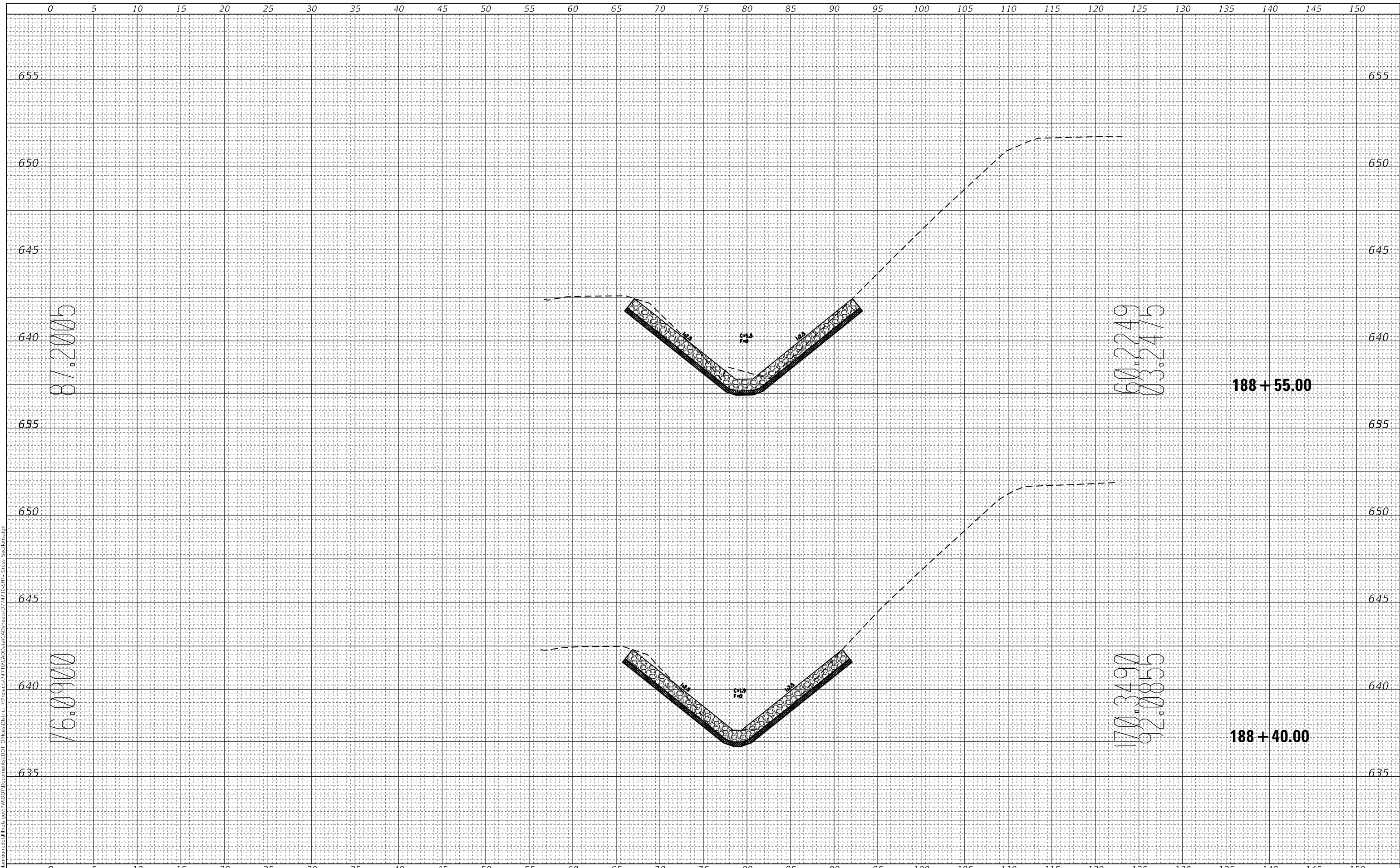
SCALE: SHEET 2 OF 5 SHEETS STA. 188+10.00 TO STA. 188+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137Z, 139-X-2)RS-2	MACON	262	259
*F.A.P. RTE 320, 323, 323A			CONTRACT NO. 74710	
ILLINOIS		FED. AID PROJECT		

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

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

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87.2006

88.2249  
83.2475

188 + 55.00

76.0900

77.3490  
72.0855

188 + 40.00

USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**AGGREGATE DITCH  
CROSS SECTIONS**

SCALE: SHEET 3 OF 5 SHEETS STA. 188+40.00 TO STA. 188+55.00

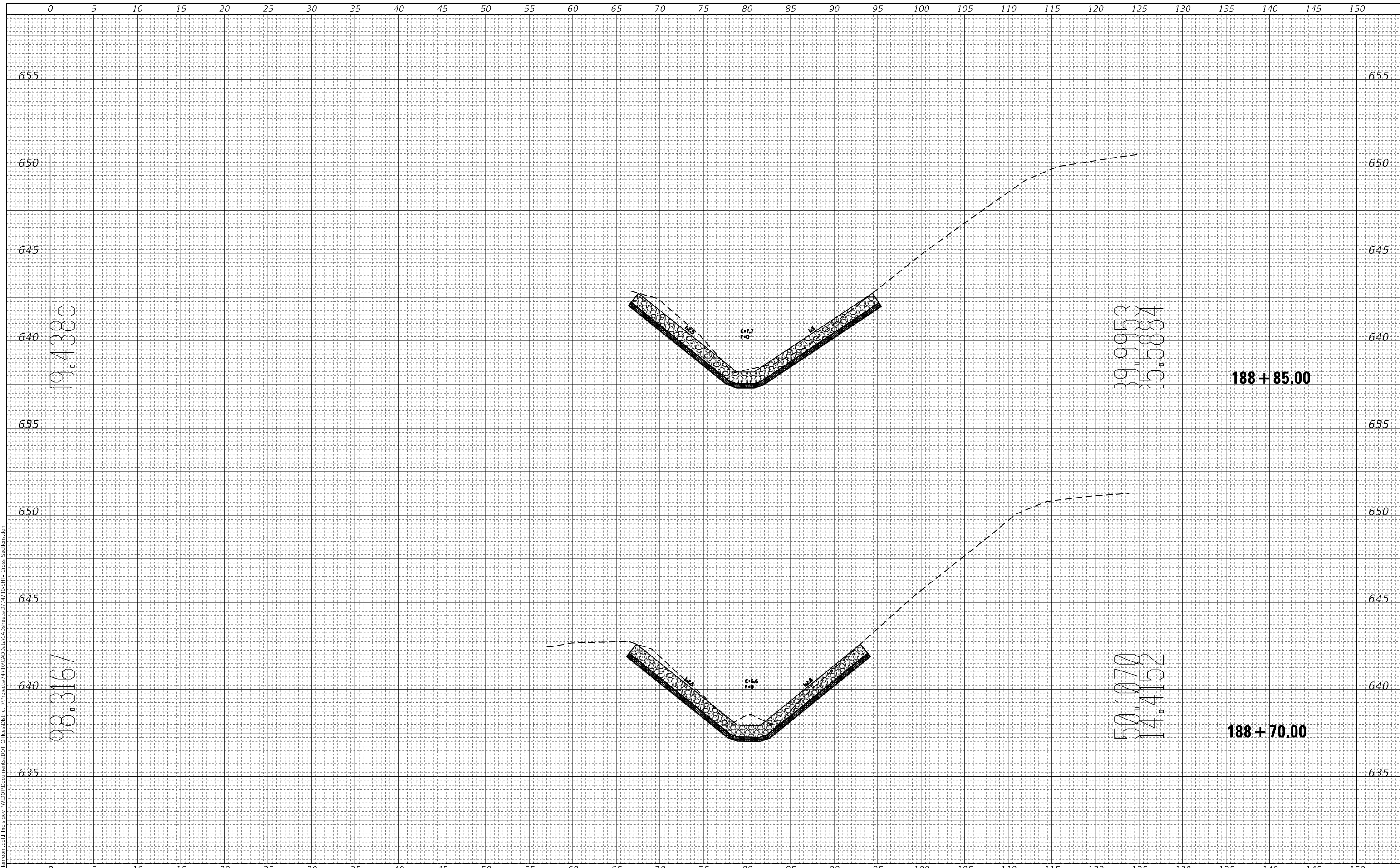
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137Z, 139-X-2)RS-2	MACON	262	260
*F.A.P. RTE 320, 323, 323A		CONTRACT NO. 74710		
ILLINOIS		FED. AID PROJECT		



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

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

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USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/20/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**AGGREGATE DITCH  
CROSS SECTIONS**

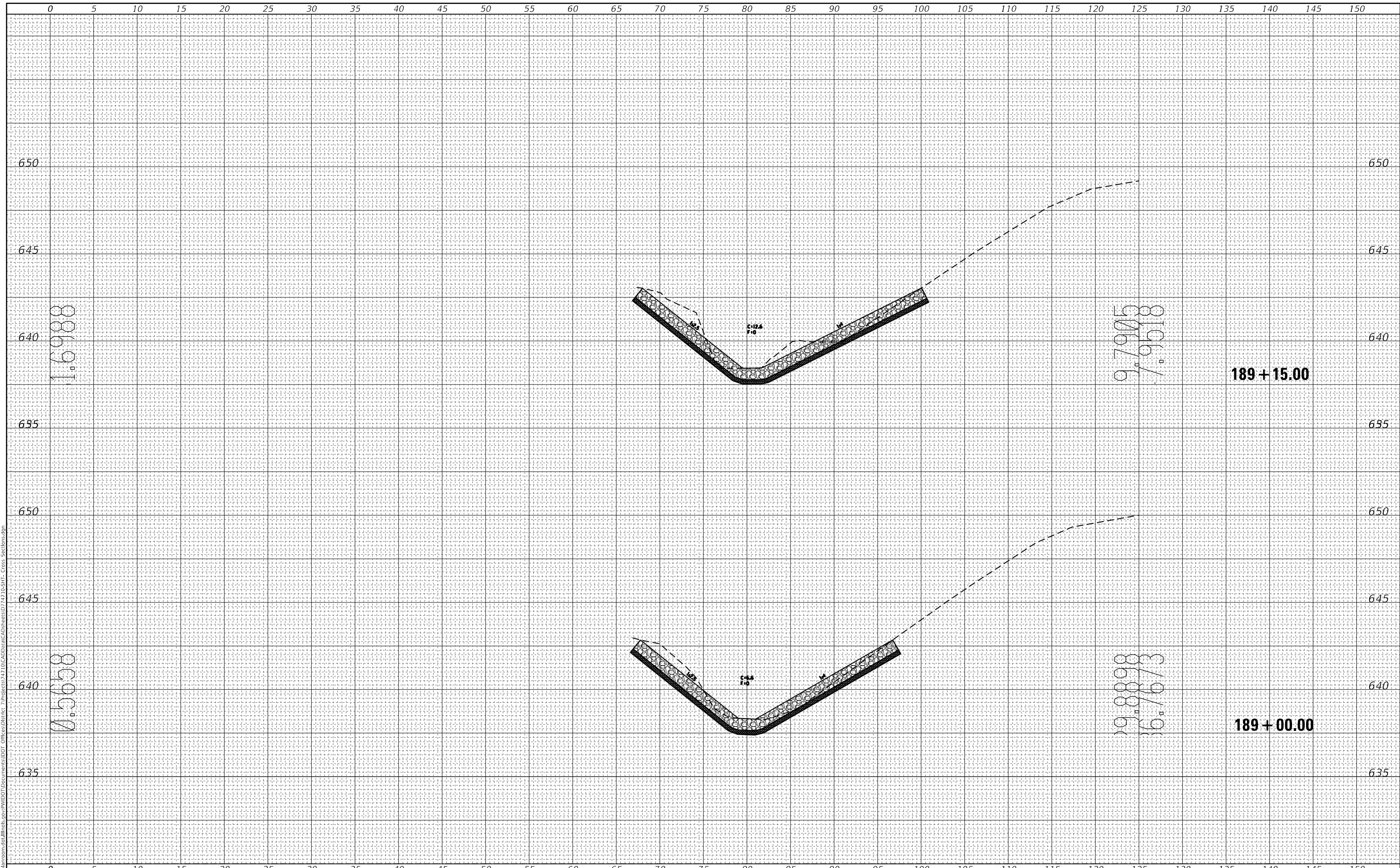
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137Z, 139-X-2)RS-2	MACON	262	261
*F.A.P. RTE 320, 323, 323A			CONTRACT NO. 74710	
ILLINOIS		FED. AID PROJECT		

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

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

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USER NAME = stefenmk
PLOT SCALE = 10.0000 ' / in.
PLOT DATE = 2/20/2020

DESIGNED -
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CHECKED -
DATE -

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REVISED -
REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**AGGREGATE DITCH  
 CROSS SECTIONS**

SCALE: SHEET 5 OF 5 SHEETS STA. 189+00.00 TO STA. 189+15.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(137Z, 139-X-2)RS-2	MACON	262	262
*F.A.P. RTE 320, 323, 323A		CONTRACT NO. 74710		
ILLINOIS		FED. AID PROJECT		