

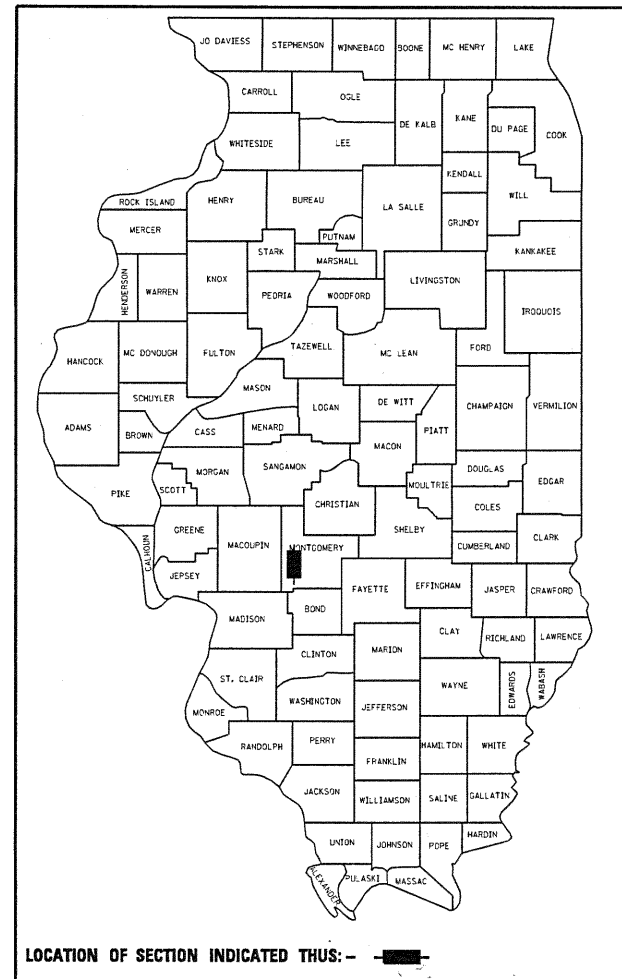
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 325 (IL 16)
SECTION 15TS, 24TS-2
PROJECT: *HSIP-0325(055)*
TRAFFIC SIGNAL MODERNIZATION
MONTGOMERY COUNTY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15TS, 24TS-2	MONTGOMERY	23	1
ILLINOIS CONTRACT NO. 72D66				

D-96-199-10



INDEX OF SHEETS

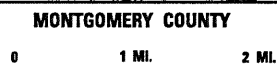
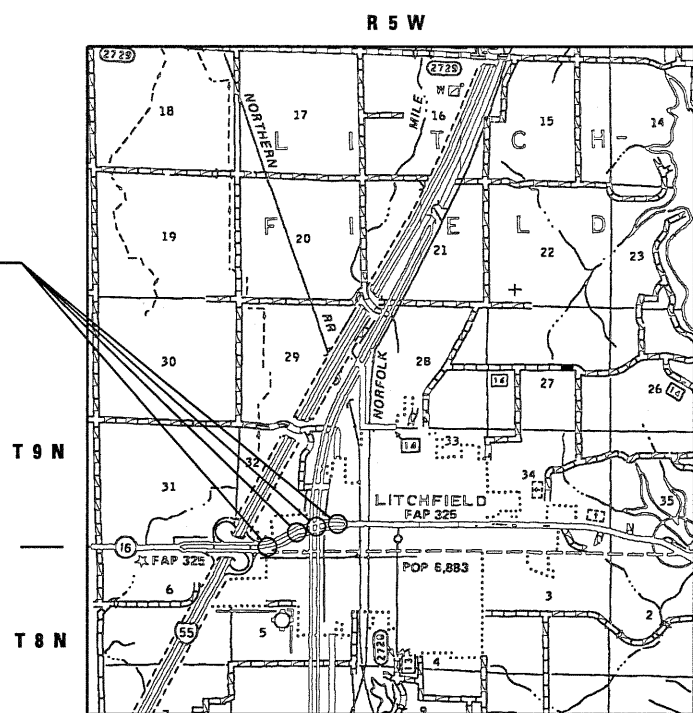
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- 23 MISCELLANEOUS DETAILS

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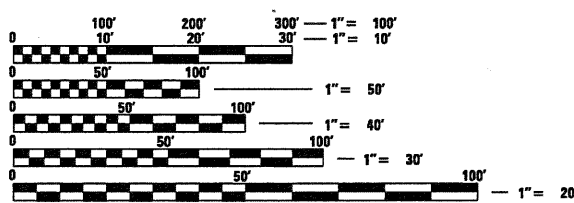
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- 701101-02 701901-01
- 701501-06 862001-01
- 701502-04 857001-01
- 701601-07 877001-04
- 701602-05 878001-08
- 701606-07 880006-01

C-96-199-10

PROPOSED TRAFFIC SIGNAL
MODERNIZATION IL 16 AT
CORVETTE DRIVE, OHREN LANE,
OLD 66, AND SHERMAN STREET



LENGTH OF IMPROVEMENT = 2656.60 FT. (0.503 MI.)
FAP 325 (IL 16) - OTHER PRINCIPAL ARTERIAL
ADT - 10,900 (2009)
DESIGN POSTED SPEED - 50 MPH /45 MPH



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

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

PROJECT ENGINEER: JOHN NEGANGAARD (217) 782-4760
SENIOR TEAM ENGINEER: MARK DUST (217) 785-0597
CONSULTING ENGINEER: HOELSCHER ENGINEERING, P.C.

CONTRACT NO. 72D66

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 21 2010
Roger Z. Orndel
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Dec 10 2010
Scott E. Stitt, P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

Dec 10 2010
Christine M. Reed, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

**HOELSCHER
ENGINEERING**

11 Executive Drive Suite 12
Fairview Heights, Illinois 62208
(618) 624-8610
(618) 624-8611 (fax)

2501 Chatham Road, Suite 120
Springfield, Illinois 62704
(217) 698-8610
(217) 698-8608 (fax)

115 North Neil Street, Suite 105
Champaign, Illinois 61820
(217) 351-8610
(217) 351-8611 (fax)

DATE: 10/12/2010
LICENSE EXP. 11/30/2011

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNITS	TOTAL QUANT	URBAN			
				90% FED, 5% STATE 5% CITY		90% FED, 10% STATE 5% CITY	
				IL 16 & CORV. LN.	IL 16 & OHREN LN.	IL 16 & OLD US 66	IL 16 & SHRMMN ST.
CONSTRUCTION TYPE CODE							
				0021	0021	0021	0021
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SO FT	233			233	
67100100	MOBILIZATION	L SUM	1	0.25	0.25	0.25	0.25
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1	0.25	0.25	0.25	0.25
72400710	RELOCATE SIGN PANEL, TYPE 1	SO FT	18			18	
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	36			36	
81500120	GULFBOX JUNCTION, COMPOSITE CONCRETE	EACH	1			1	
81500130	GULFBOX JUNCTION REMOVAL	EACH	1			1	
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	36			36	
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	2	1			1
86200200	UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	4	1	1	1	1
86400100	TRANSCEIVER - FIBER OPTIC	EACH	5	1	1	2	1
87100110	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 6F	FOOT	5,117	992	1,399	2,627	99
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	612	22	24	542	24
87502690	TRAFFIC SIGNAL POST, ALUMINUM 15 FT.	EACH	1	1			
87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	2			2	
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	2			2	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6			6	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26			26	
87900200	DRILL EXISTING HANDHOLE	EACH	2			2	
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2			2	
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	13	3	2	6	2
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2				2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	5	1		2	2
88040250	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1	1			

* - SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNITS	TOTAL QUANT	URBAN			
				90% FED. 5% STATE 5% CITY	90% FED. 10% STATE	90% FED. 5% STATE 5% CITY	90% FED. 5% STATE 5% CITY
				IL 16 & CORV. LN.	IL 16 & OHREN LN.	IL 16 & OLD US 66	IL 16 & SHRMN ST.
CONSTRUCTION TYPE CODE							
				0021	0021	0021	0021
88040310	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED	EACH	1				1
88040330	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3			2	1
88040332	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1				1
88040355	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2			2	
88102845	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4				4
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	33	5	2	14	12
88500100	INDUCTIVE LOOP DETECTOR	EACH	48	28			20
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8				8
89502200	MODIFY EXISTING CONTROLLER	EACH	1			1	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5,594	992	1,399	3,104	99
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	131	15			116
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3	1		1	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2			2	
* X0325469	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE	EACH	21	11	10		
* X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SO FT	233			233	
* X8804030	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1				1
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	10			10	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1			1	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2			2	

* - SEE SPECIAL PROVISIONS

Rev.

PLAN SHEET SYMBOLS

EXISTING	PROPOSED	
		SIGNAL HEAD
		SIGNAL HEAD WITH BACKPLATE
		TEMPORARY SIGNAL HEAD
		PEDESTRIAN SIGNAL HEAD
		PEDESTRIAN PUSHBUTTON DETECTOR
		DETECTOR LOOP
		QUADRUPOLE DETECTOR LOOP
		SIGNAL POST
		ALUMINUM MAST ARM ASSEMBLY AND POLE
		STEEL MAST ARM ASSEMBLY AND POLE
		WOOD POLE
		WOOD POLE WITH GUY
		SERVICE INSTALLATION
		CONTROLLER
		HANDHOLE
		HEAVY DUTY HANDHOLE
		DOUBLE HANDHOLE
		JUNCTION BOX
		GULFBOX JUNCTION
		AERIAL CABLE
		CONDUIT
		CONDUIT SPLICE
		SPAN WIRE/TETHER WIRE

56	—	SIDEWALK REMOVAL IN SQ. FT.
40	—	PCC SIDEWALK, 4 INCH IN SQ. FT.
32	—	PCC SIDEWALK, 4 INCH (SPECIAL) IN SQ. FT.

CABLE PLAN SYMBOLS

EXISTING	PROPOSED	
		8" SIGNAL SECTION
		12" SIGNAL SECTION
		DIRECTIONAL SIGNAL SECTION
		9" PEDESTRIAN SIGNAL FACE
		12" PEDESTRIAN SIGNAL FACE
		SIGNAL FACE WITH BACKPLATE
		PROGRAMMED SIGNAL SECTION
		SIGNAL SECTION WITH LOUVRE
		DUAL-INDICATION SIGNAL SECTION
		INDUCTION DETECTOR LOOP
		QUADRUPOLE DETECTOR LOOP
		DIRECT-CONNECTED LOOP LEAD-IN (TWISTED)
		ELECTRIC CABLE DENOTING NUMBER OF CONDUCTORS
		ELECTRIC CABLE TO BE REMOVED
		ELECTRIC CABLE IDENTIFIER TAPE CODES (R=RED W=WHITE Y=YELLOW G=GREEN B=BLUE O=ORANGE)
		PEDESTRIAN PUSHBUTTON DETECTOR
		VIDEO CAMERA
		STEEL TWIN TENON

DISTRICT SIX

EXAMINED SEP 20 20 10

Chris Walker

OPERATIONS ENGINEER

EXAMINED 9/24 20 10

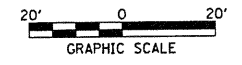
Jimmy F...

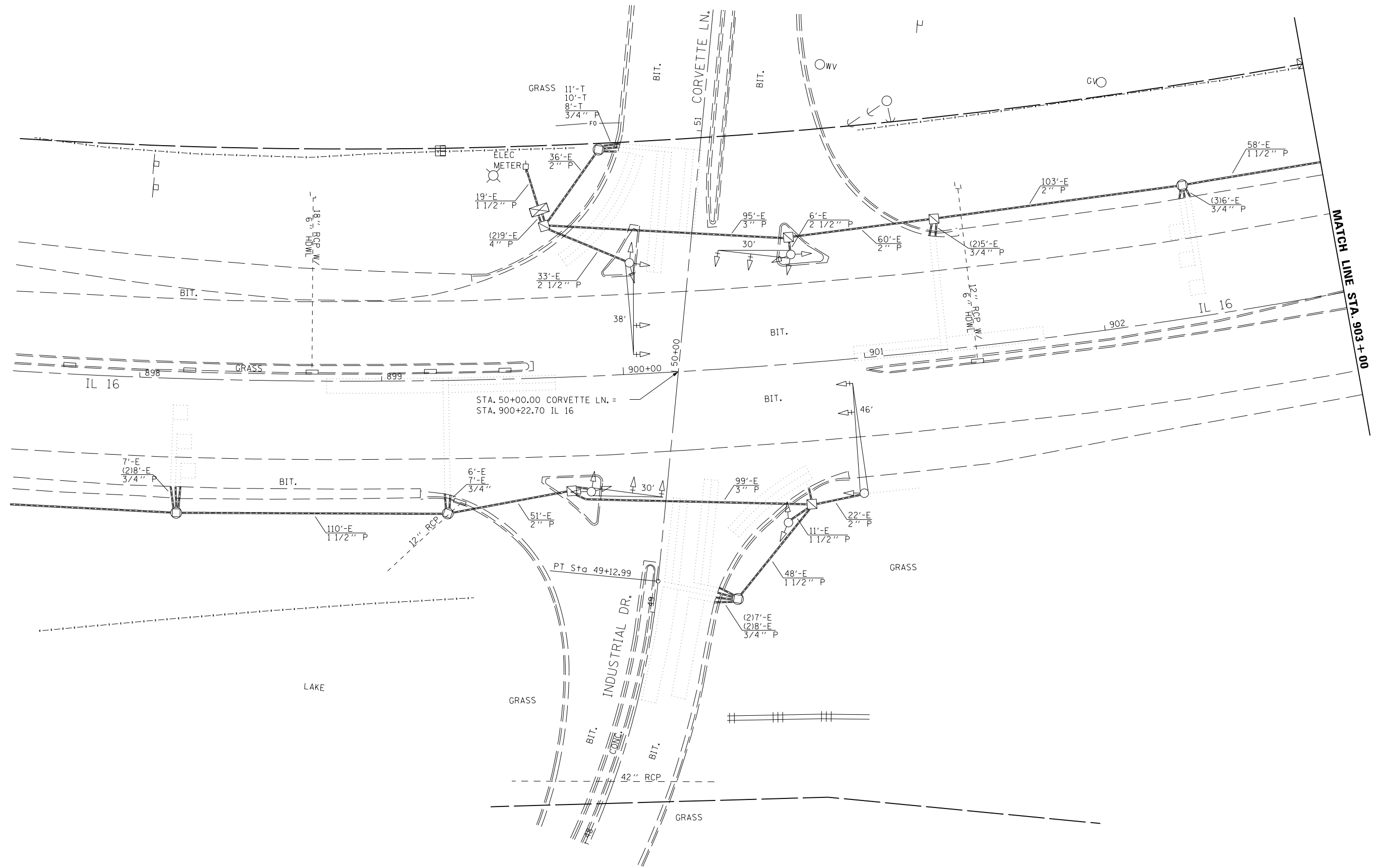
PROGRAM IMPLEMENTATION ENGINEER

EXAMINED September 13 20 10

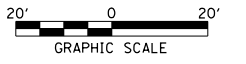
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PROGRAM DEVELOPMENT ENGINEER





STA. 50+00.00 CORVETTE LN. =
STA. 900+22.70 IL 16



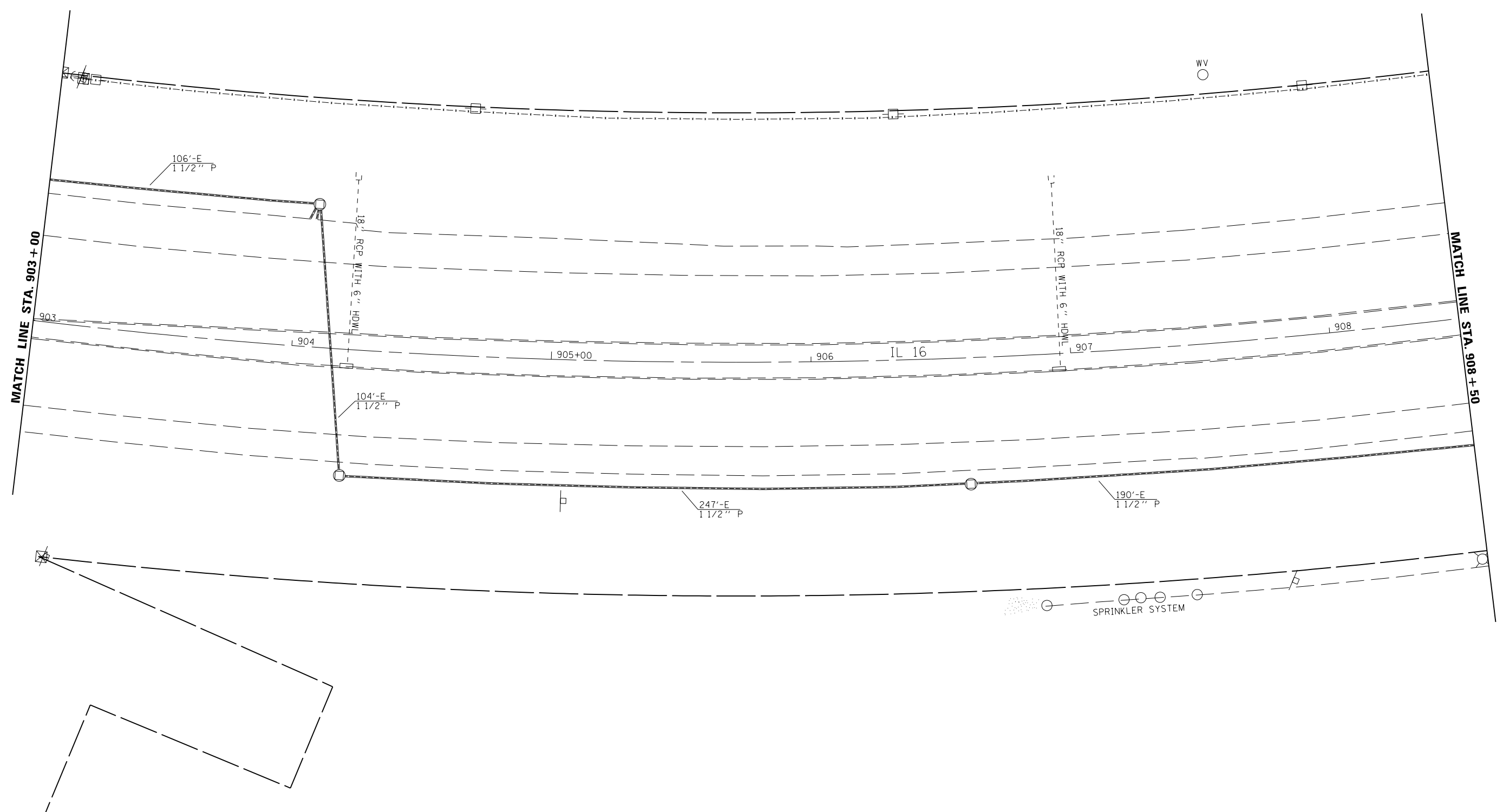
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL PLAN
STA. 897 + 50 TO STA. 903 + 00**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15 TS, 24 TS-2	MONTGOMERY	23	5
CONTRACT NO. 72D66				
ILLINOIS FED. AID PROJECT				



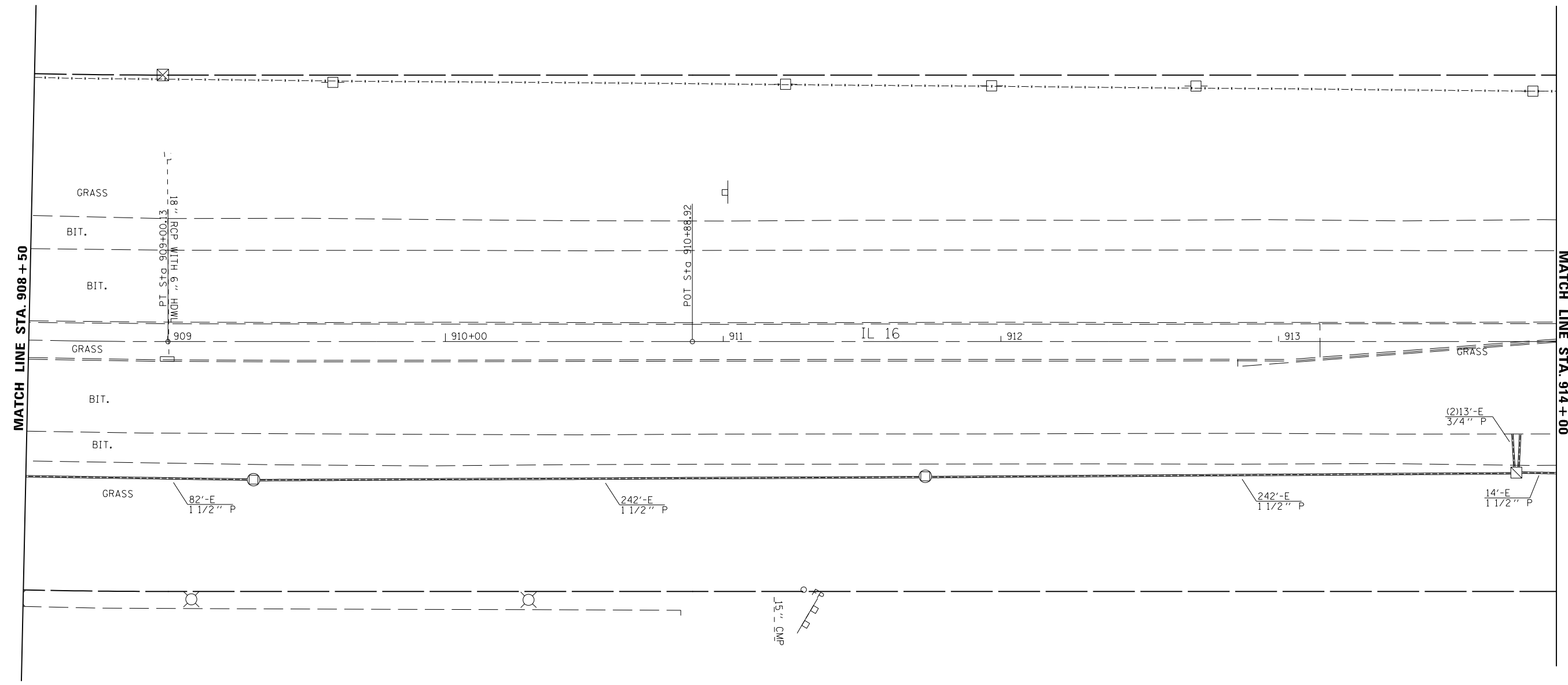
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL PLAN
STA. 903 + 00 TO STA. 908 + 50**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15 TS, 24 TS-2	MONTGOMERY	23	6
CONTRACT NO. 72066				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 908 + 50

MATCH LINE STA. 914 + 00

BIT. PARKING LOT



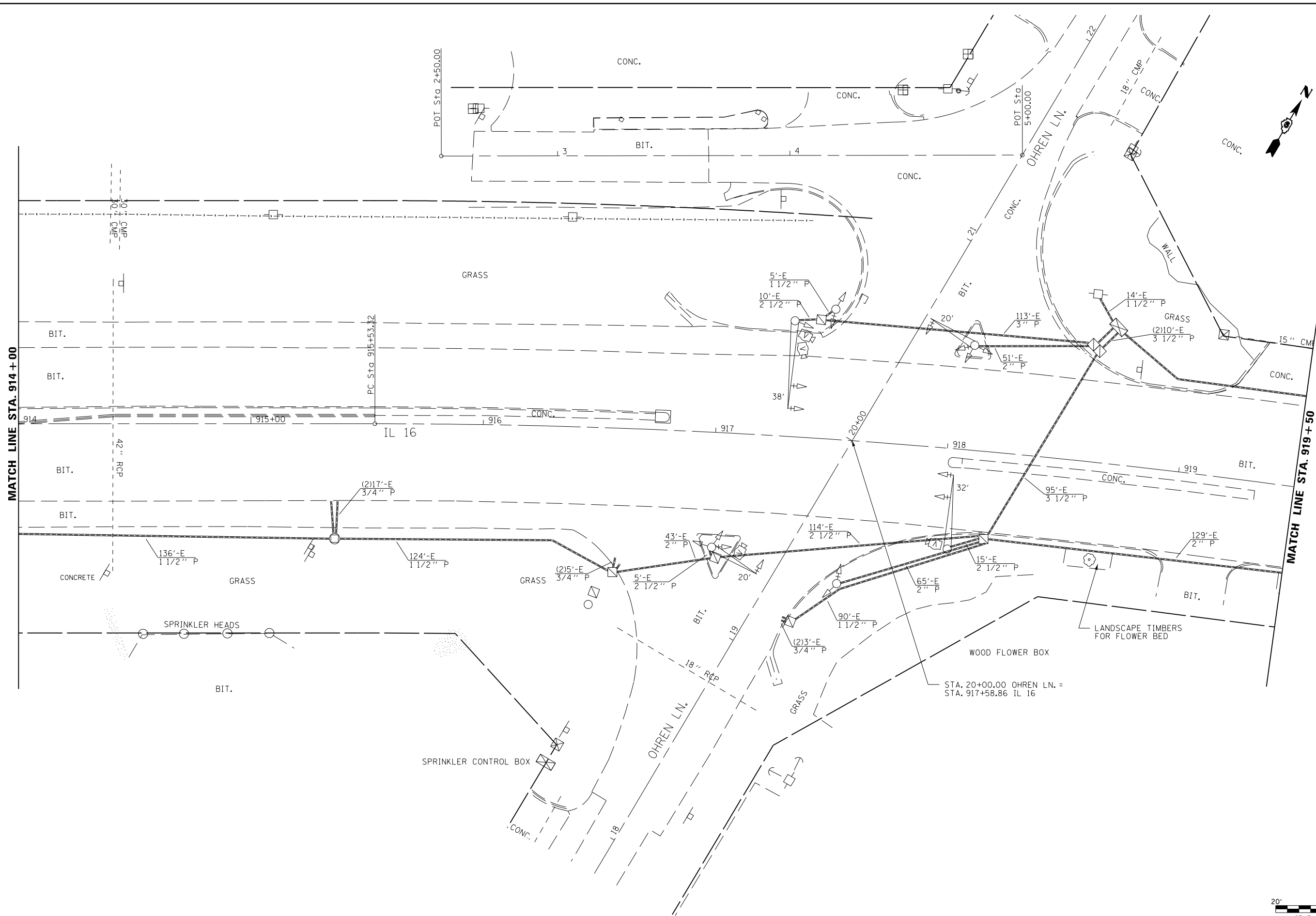
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL PLAN
STA. 908 + 50 TO STA. 914 + 00**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

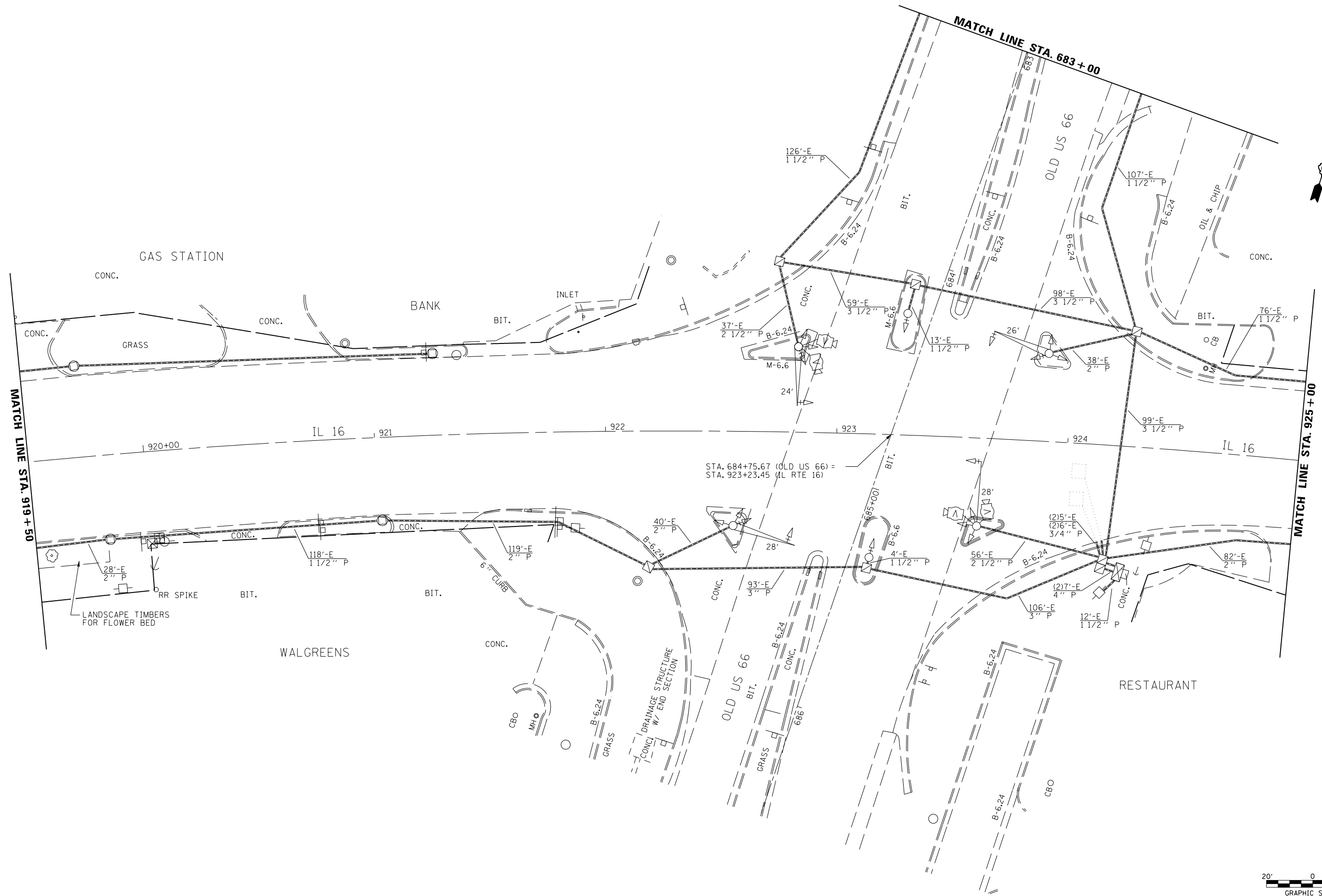
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CONTRACT NO. 72D66				
ILLINOIS FED. AID PROJECT				



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SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT



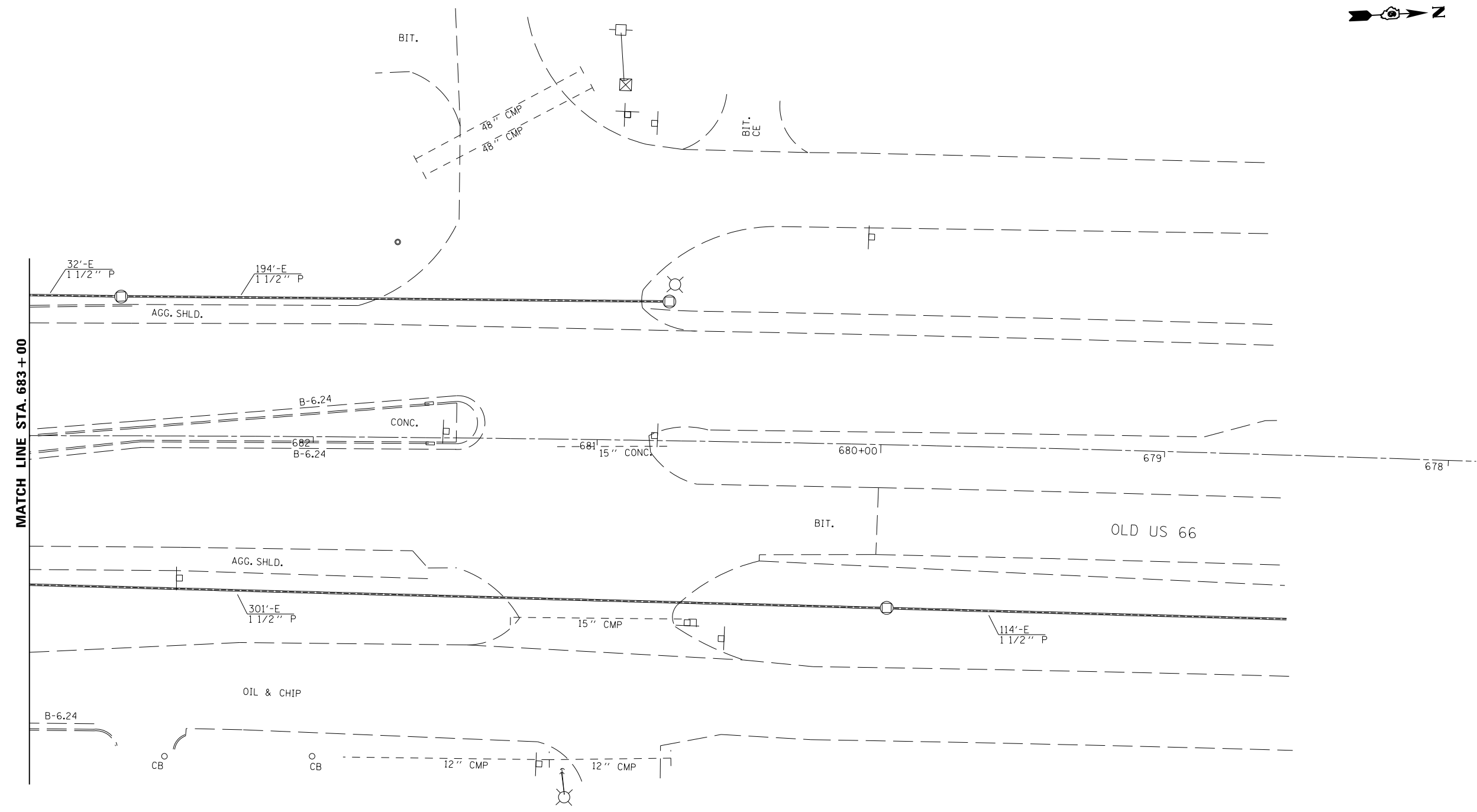
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL PLAN
STA. 919 + 50 TO STA. 925 + 00**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

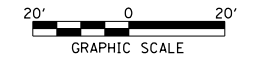
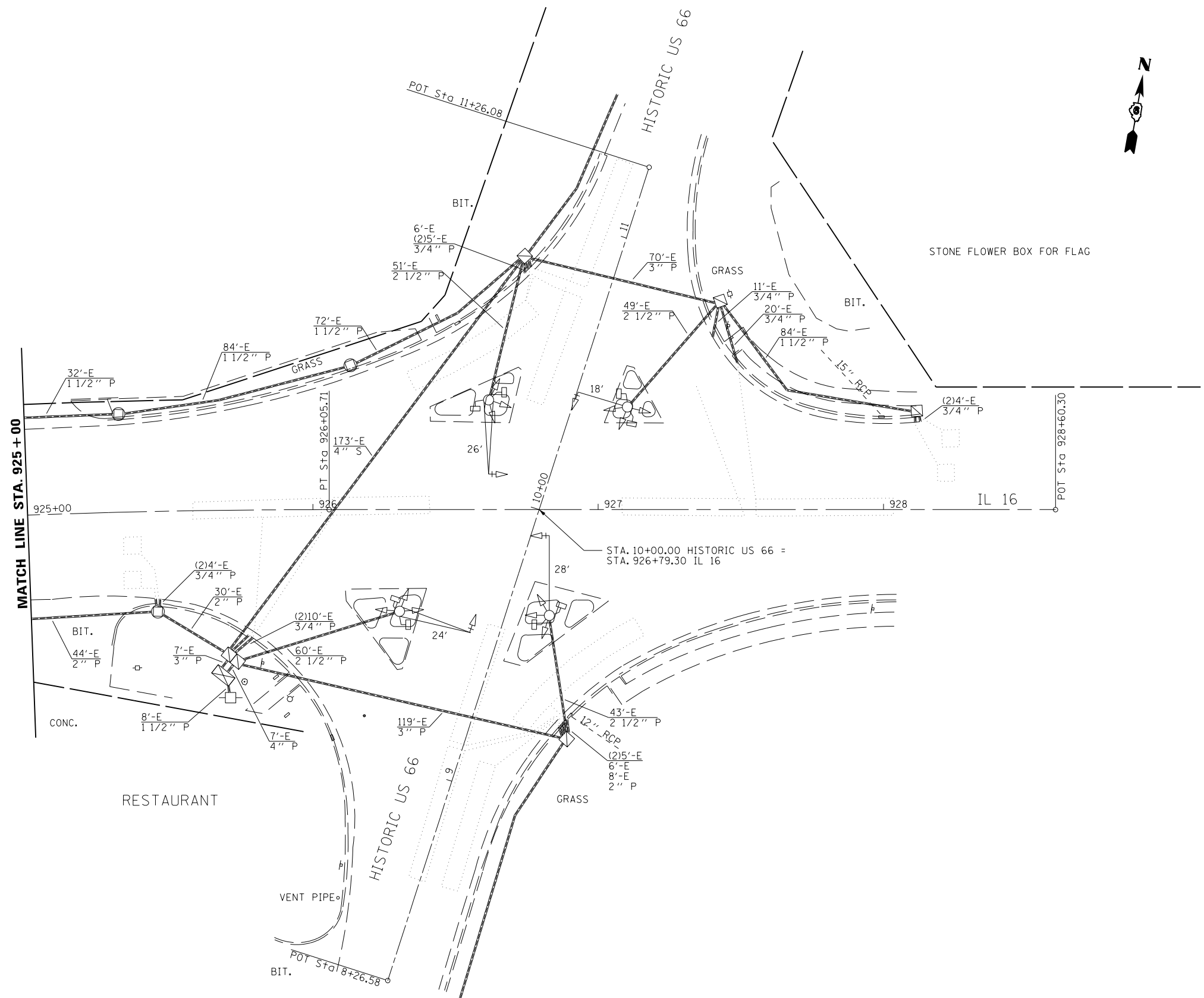
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325	15 TS, 24 TS-2	MONTGOMERY	23	9
CONTRACT NO. 72D66				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE
 PI STA. = 92C
 Δ = 20° 49'
 D = 1° 58' 4
 R = 2,895.8
 T = 532.06
 L = 1,052.2



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ILLINOIS FED. AID PROJECT										



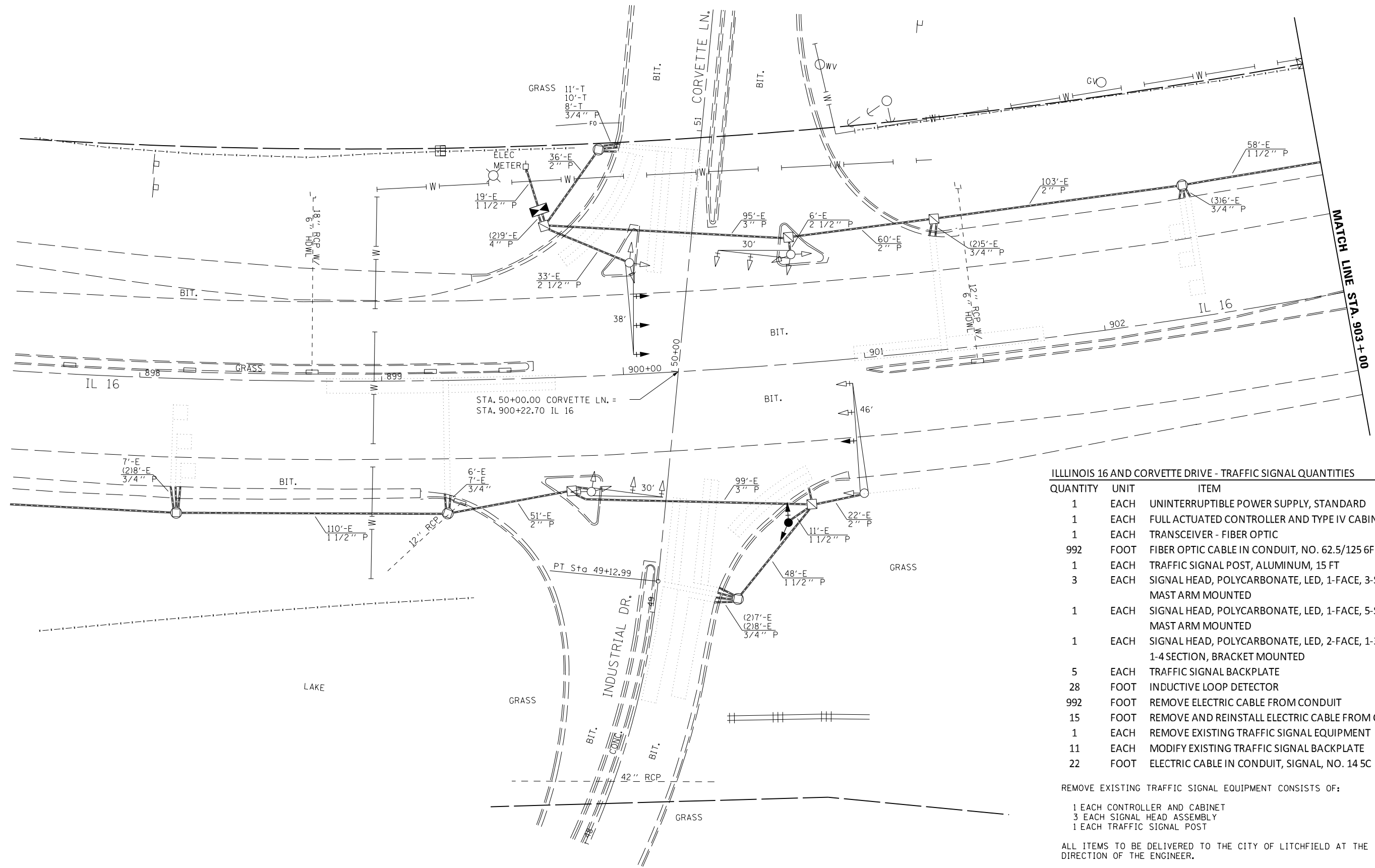
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING TRAFFIC SIGNAL PLAN
STA. 925 + 00 TO STA. 928 + 25**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15 TS, 24 TS-2	MONTGOMERY	23	11
CONTRACT NO. 72D66				
ILLINOIS FED. AID PROJECT				



ILLINOIS 16 AND CORVETTE DRIVE - TRAFFIC SIGNAL QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, STANDARD
1	EACH	FULL ACTUATED CONTROLLER AND TYPE IV CABINET
1	EACH	TRANSCEIVER - FIBER OPTIC
992	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 6F
1	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 15 FT
3	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
5	EACH	TRAFFIC SIGNAL BACKPLATE
28	FOOT	INDUCTIVE LOOP DETECTOR
992	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
15	FOOT	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
11	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE
22	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C

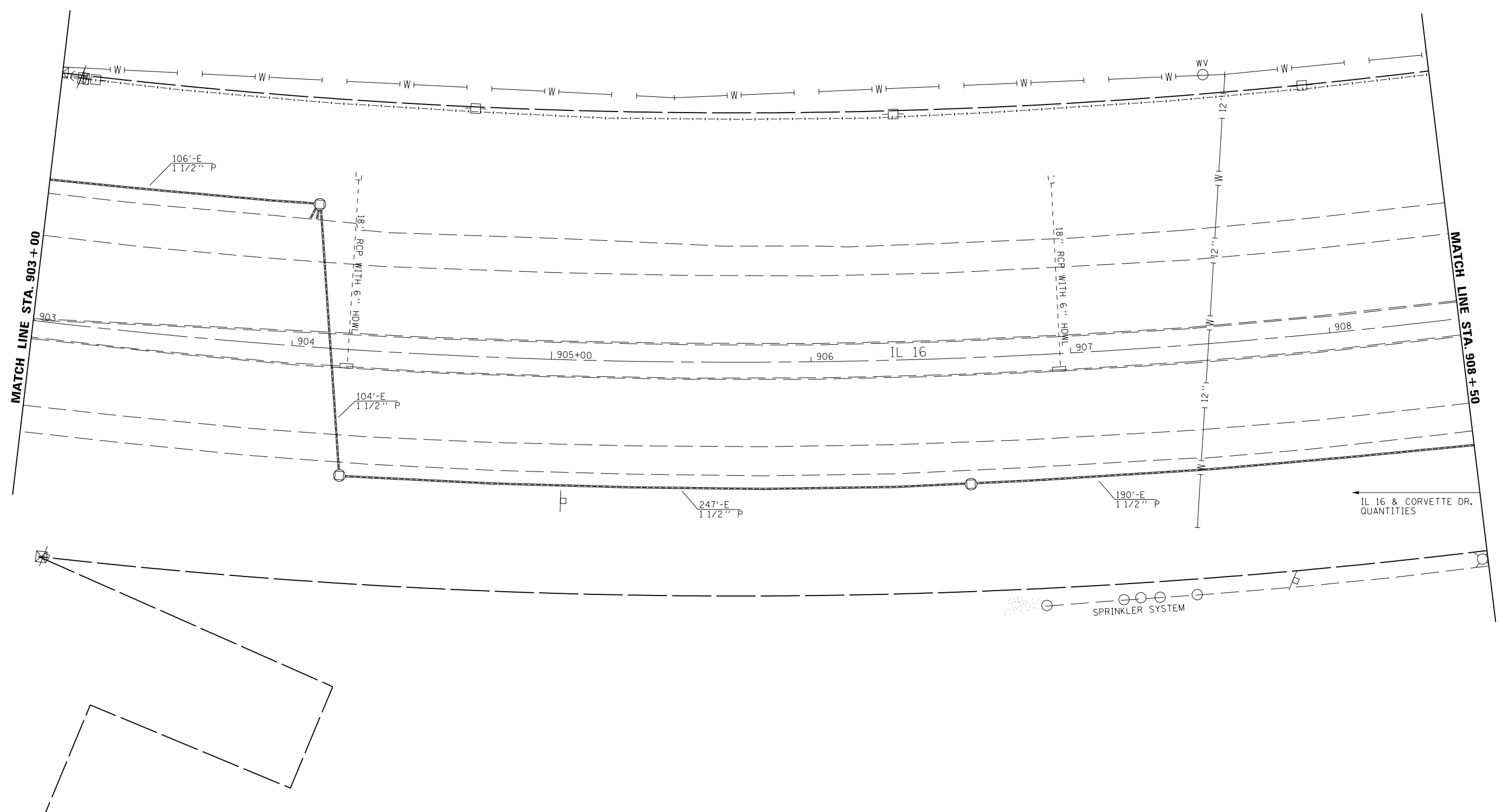
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT CONSISTS OF:

- 1 EACH CONTROLLER AND CABINET
- 3 EACH SIGNAL HEAD ASSEMBLY
- 1 EACH TRAFFIC SIGNAL POST

ALL ITEMS TO BE DELIVERED TO THE CITY OF LITCHFIELD AT THE DIRECTION OF THE ENGINEER.

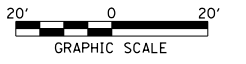


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				SCALE: 1" = 20'	SHEET NO. OF	SHEETS	STA. TO STA.					



IL 16 & CORVETTE DR.
QUANTITIES

SPRINKLER SYSTEM



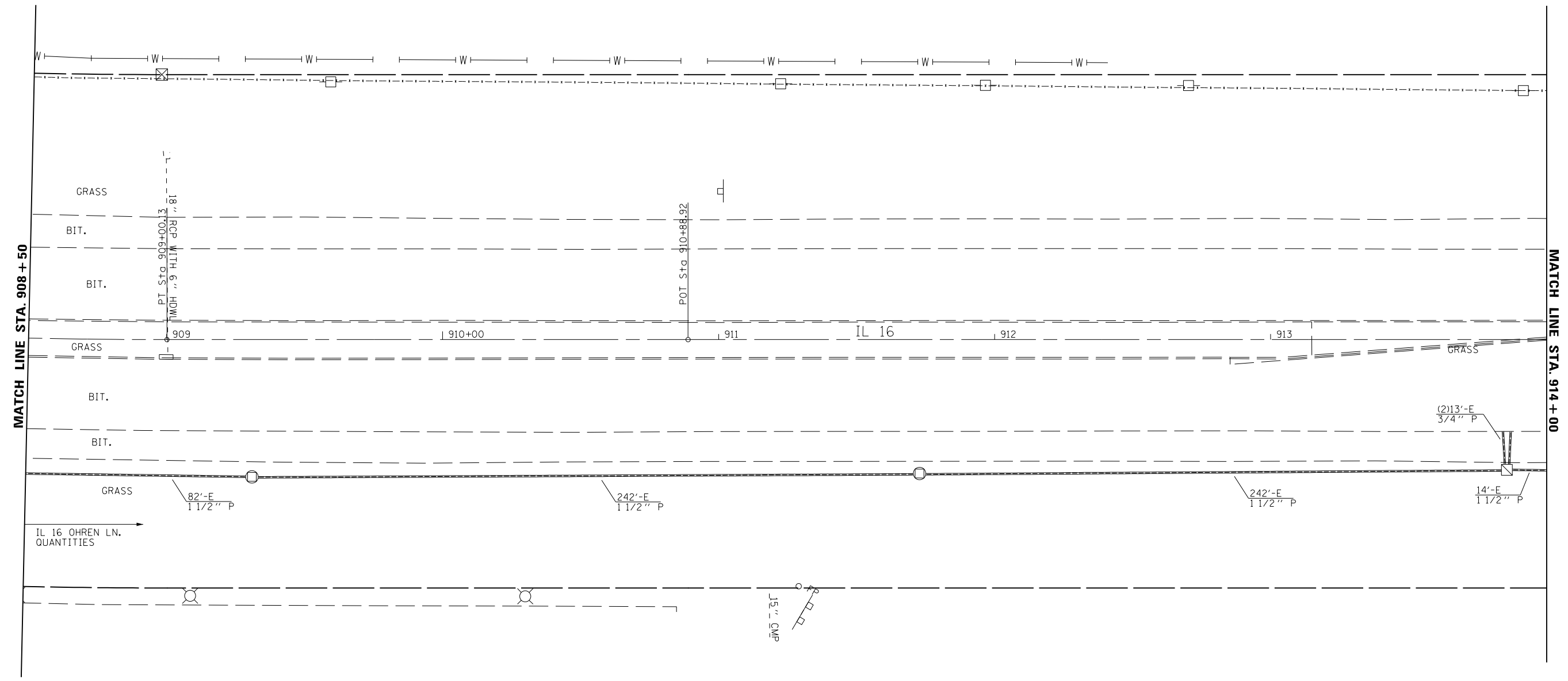
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLAN
STA. 903 + 00 TO STA. 908 + 50**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15 TS, 24 TS-2	MONTGOMERY	23	13
CONTRACT NO. 72D66				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 908 + 50

MATCH LINE STA. 914 + 00

BIT. PARKING LOT

IL 16 OHREN LN.
QUANTITIES



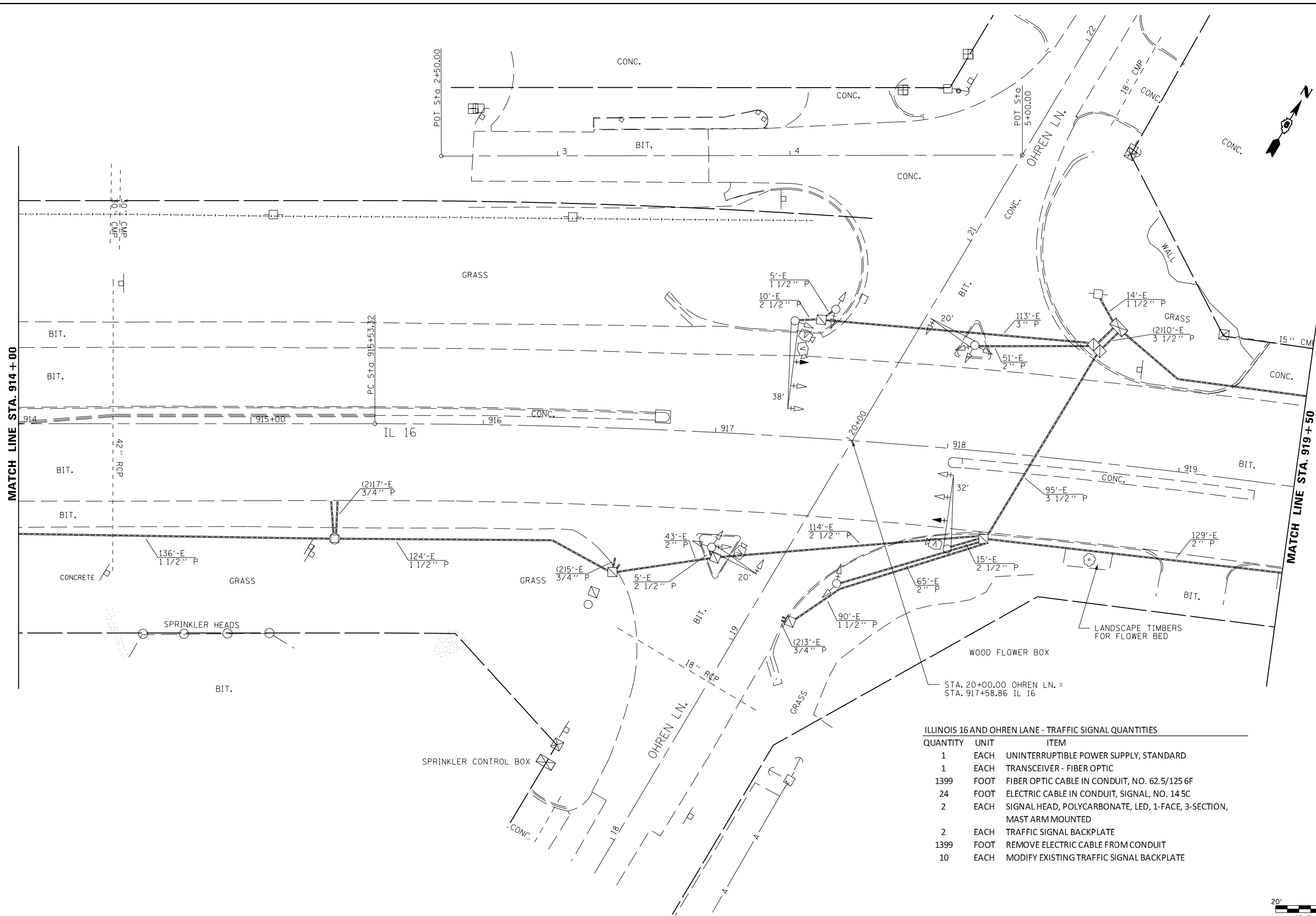
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLAN
STA. 908 + 50 TO STA. 914 + 00**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15 TS, 24 TS-2	MONTGOMERY	23	14
CONTRACT NO. 72D66				
ILLINOIS FED. AID PROJECT				



ILLINOIS 16 AND OHREN LANE - TRAFFIC SIGNAL QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, STANDARD
1	EACH	TRANSCEIVER - FIBER OPTIC
1399	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 6F
24	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	TRAFFIC SIGNAL BACKPLATE
1399	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
10	EACH	MODIFY EXISTING TRAFFIC SIGNAL BACKPLATE



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PLOT DATE = Oct-14-2010 03:13:15PM		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLAN
STA. 914 + 00 TO STA. 919 + 50**

SCALE: 1" = 20'	SHEET NO. OF	SHEETS	STA. TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15 TS, 24 TS-2	MONTGOMERY	23	15
CONTRACT NO. 72D66				
ILLINOIS FED. AID PROJECT				

ILLINOIS 16 AND OLD US 66 - TRAFFIC SIGNAL QUANTITIES

QUANTITY	UNIT	ITEM
233	SQ FT	CONCRETE MEDIAN SURFACE REMOVAL
233	SQ FT	CONCRETE MEDIAN SURFACE 4-INCH
18	SQ FT	RELOCATE SIGN PANEL, TYPE 1
1	EACH	GULFBOX JUNCTION, COMPOSITE CONCRETE
1	EACH	GULFBOX JUNCTION REMOVAL
2	EACH	TRANSCEIVER - FIBER OPTIC
2627	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 6F
542	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C
2	EACH	TRAFFIC SIGNAL POST, ALUMINUM, 16 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.
6	FOOT	CONCRETE FOUNDATION, TYPE A
26	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
6	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED

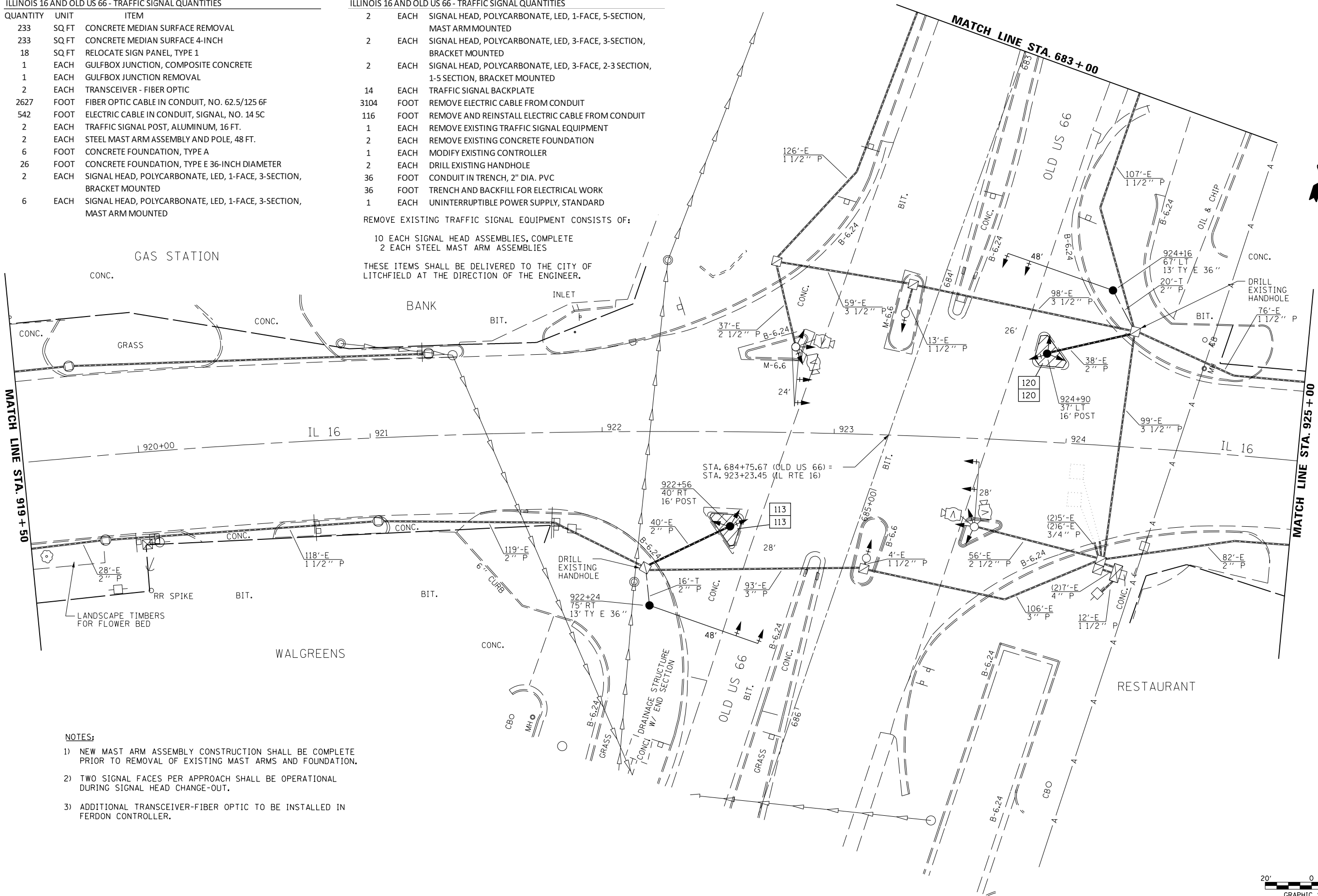
ILLINOIS 16 AND OLD US 66 - TRAFFIC SIGNAL QUANTITIES

2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
14	EACH	TRAFFIC SIGNAL BACKPLATE
3104	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
116	FOOT	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	MODIFY EXISTING CONTROLLER
2	EACH	DRILL EXISTING HANDHOLE
36	FOOT	CONDUIT IN TRENCH, 2" DIA. PVC
36	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, STANDARD

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT CONSISTS OF:

- 10 EACH SIGNAL HEAD ASSEMBLIES, COMPLETE
- 2 EACH STEEL MAST ARM ASSEMBLIES

THESE ITEMS SHALL BE DELIVERED TO THE CITY OF LITCHFIELD AT THE DIRECTION OF THE ENGINEER.



NOTES:

- 1) NEW MAST ARM ASSEMBLY CONSTRUCTION SHALL BE COMPLETE PRIOR TO REMOVAL OF EXISTING MAST ARMS AND FOUNDATION.
- 2) TWO SIGNAL FACES PER APPROACH SHALL BE OPERATIONAL DURING SIGNAL HEAD CHANGE-OUT.
- 3) ADDITIONAL TRANSCEIVER-FIBER OPTIC TO BE INSTALLED IN FERDON CONTROLLER.

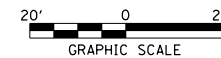
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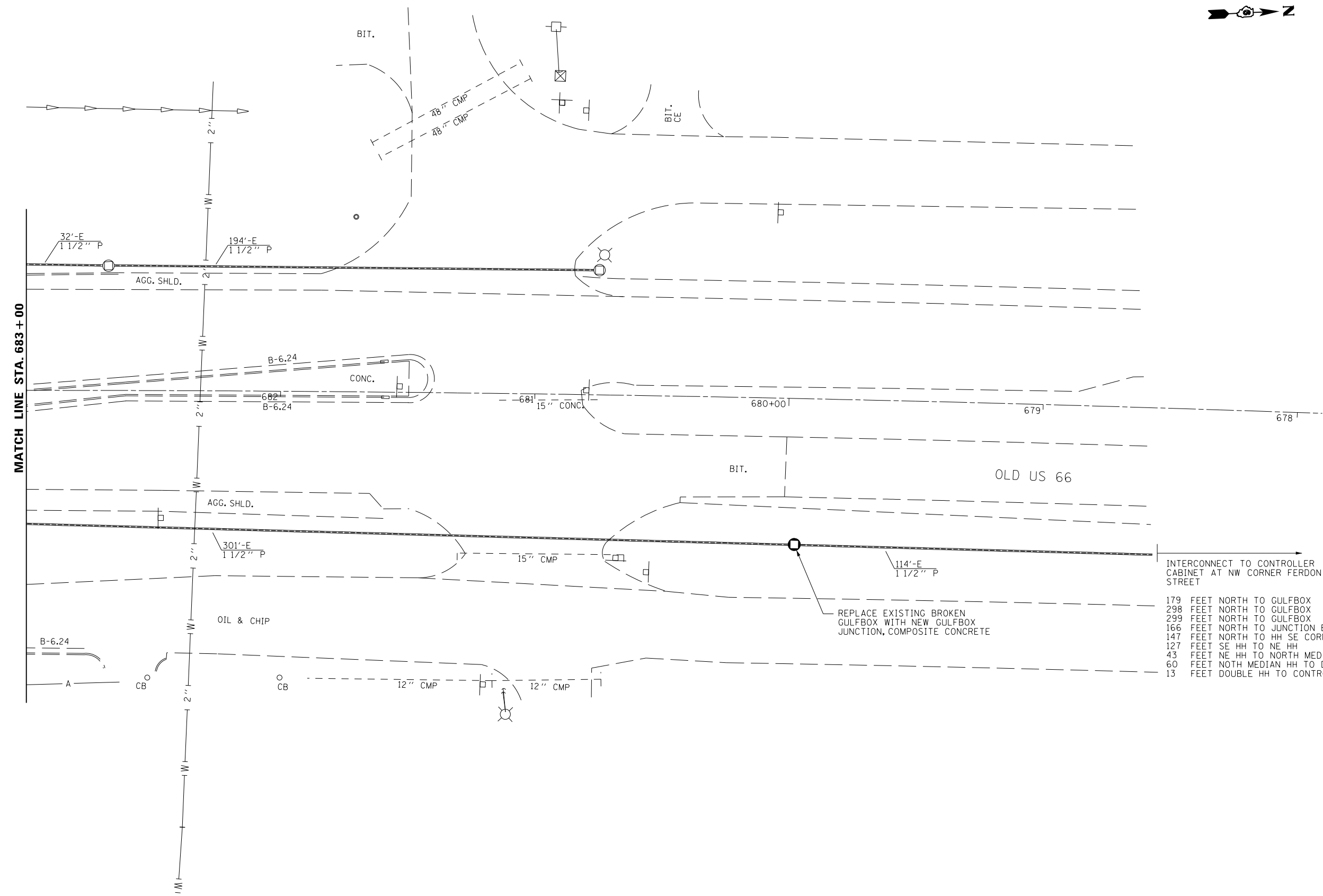
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TRAFFIC SIGNAL PLAN
STA. 919+50 TO STA. 925+00

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15 TS, 24 TS-2	MONTGOMERY	23	16
				CONTRACT NO. 72D66
ILLINOIS FED. AID PROJECT				

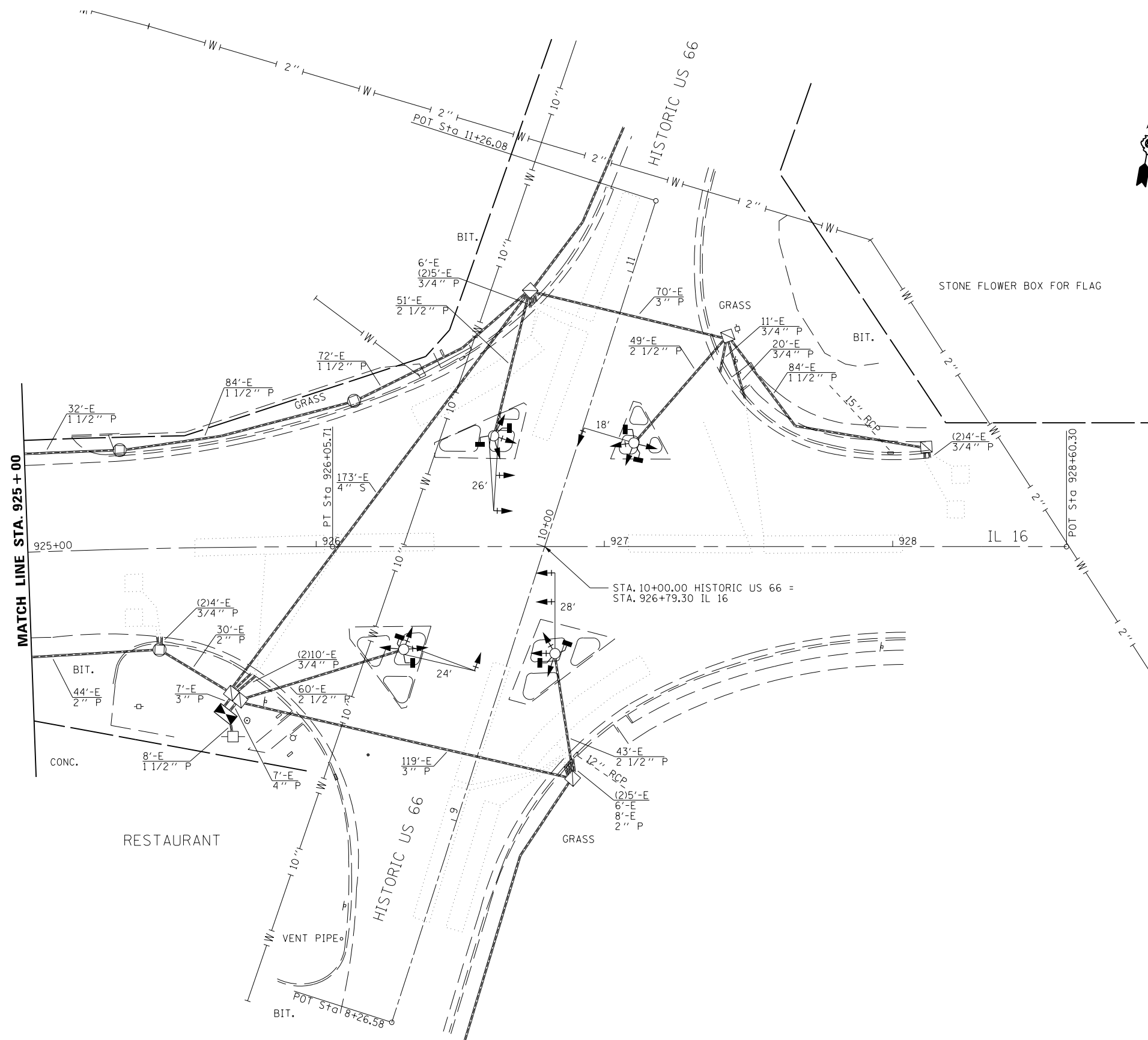




- 179 FEET NORTH TO GULFBOX
- 298 FEET NORTH TO GULFBOX
- 299 FEET NORTH TO GULFBOX
- 166 FEET NORTH TO JUNCTION BOX
- 147 FEET NORTH TO HH SE CORNER FERDON
- 127 FEET SE HH TO NE HH
- 43 FEET NE HH TO NORTH MEDIAN HH
- 60 FEET NOTH MEDIAN HH TO DOUBLE HH NW
- 13 FEET DOUBLE HH TO CONTROLLER



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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			SCALE: 1" = 20'	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 72D66		ILLINOIS FED. AID PROJECT
	PLOT DATE = Oct-14-2010 03:13:39PM	DATE -	REVISED -			SHEET NO. OF SHEETS	STA. TO STA.				



ILLINOIS 16 AND SHERMAN - TRAFFIC SIGNAL QUANTITIES

QUANTITY	UNIT	ITEM
1	EACH	UNINTERRUPTIBLE POWER SUPPLY, STANDARD
1	EACH	FULL ACTUATED CONTROLLER AND TYPE IV CABINET
2	EACH	TRANSCEIVER - FIBER OPTIC
99	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125 6F
24	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 2-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 2-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, POLYCARBONATE, LED, 3-FACE, 1-3 SECTION, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED
12	EACH	TRAFFIC SIGNAL BACKPLATE
20	EACH	INDUCTIVE LOOP DETECTOR
8	EACH	PEDESTRIAN PUSH-BUTTON
99	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
4	EACH	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED, WITH COUNTDOWN TIMER

REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT CONSISTS OF:

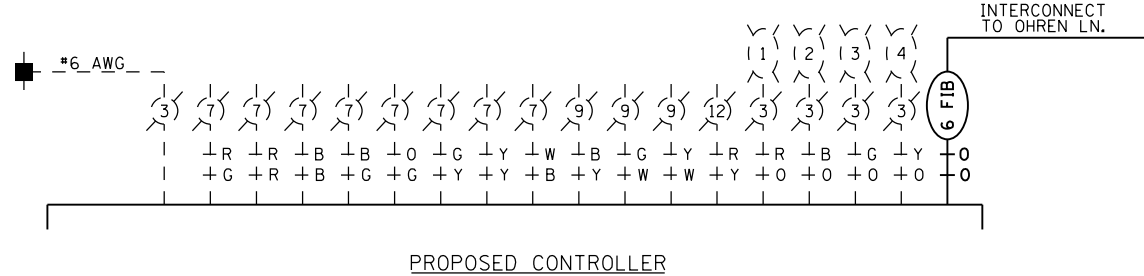
- 1 EACH CONTROLLER AND CABINET
- 8 EACH SIGNAL HEAD ASSEMBLIES
- 4 EACH PEDESTRIAN SIGNAL HEADS
- 8 EACH PEDESTRIAN PUSH BUTTONS

THESE ITEMS SHALL BE DELIVERED TO THE CITY OF LITCHFIELD AT THE DIRECTION OF THE ENGINEER.

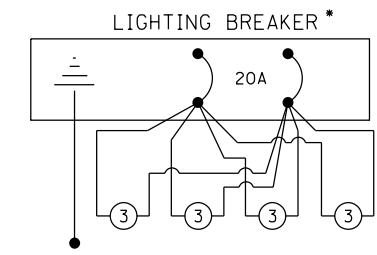


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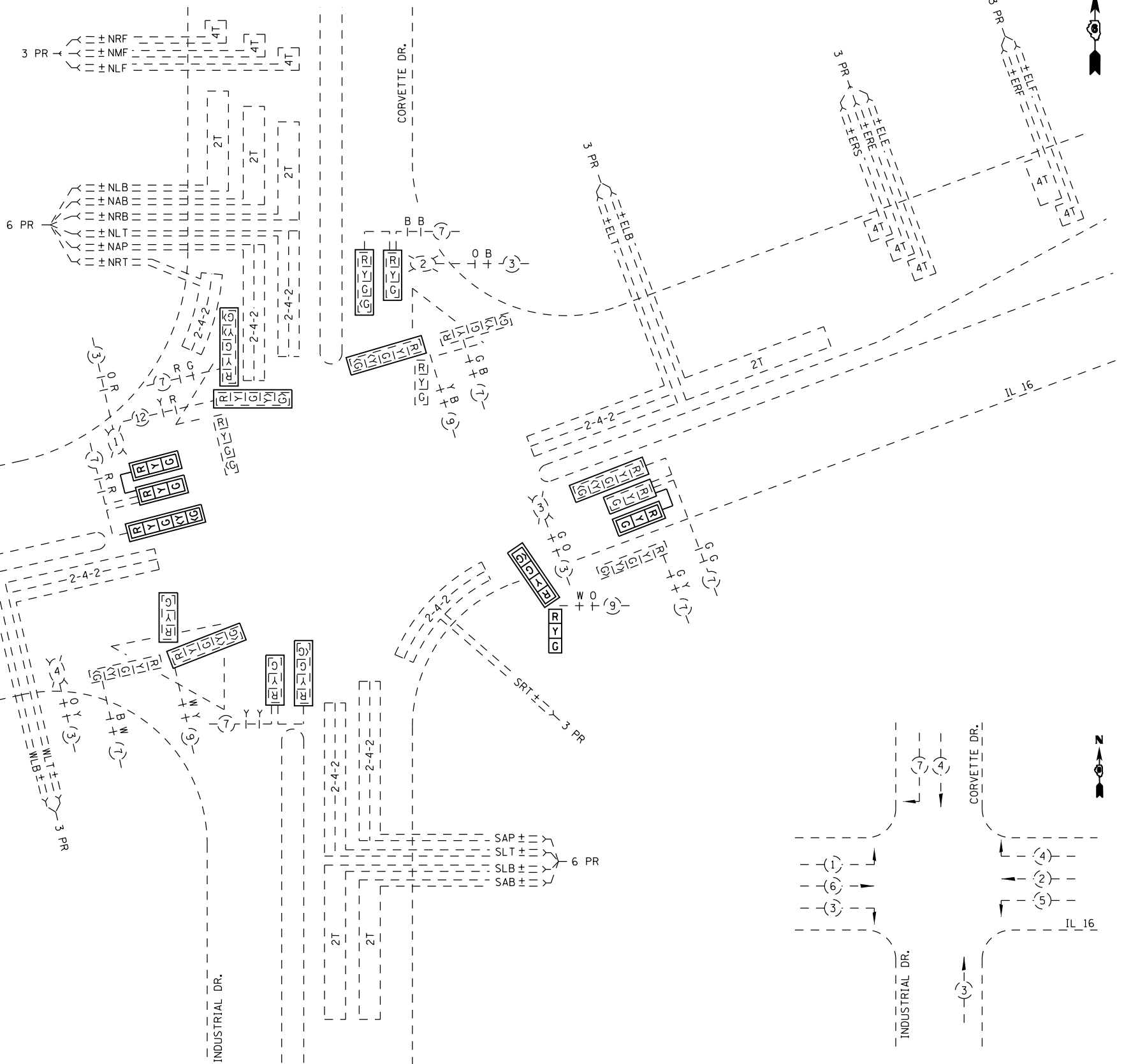
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	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	6 PR	3 PR	3 PR	3 PR	6 PR	3 PR	3 PR	3 PR	6 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR



PROPOSED CONTROLLER



* INCIDENTAL TO CONTROLLER PRICE. CONTROLLER POWER SHALL BE ON LINE SIDE OF LIGHTING POWER.



PHASE DESIGNATION

NOT TO SCALE

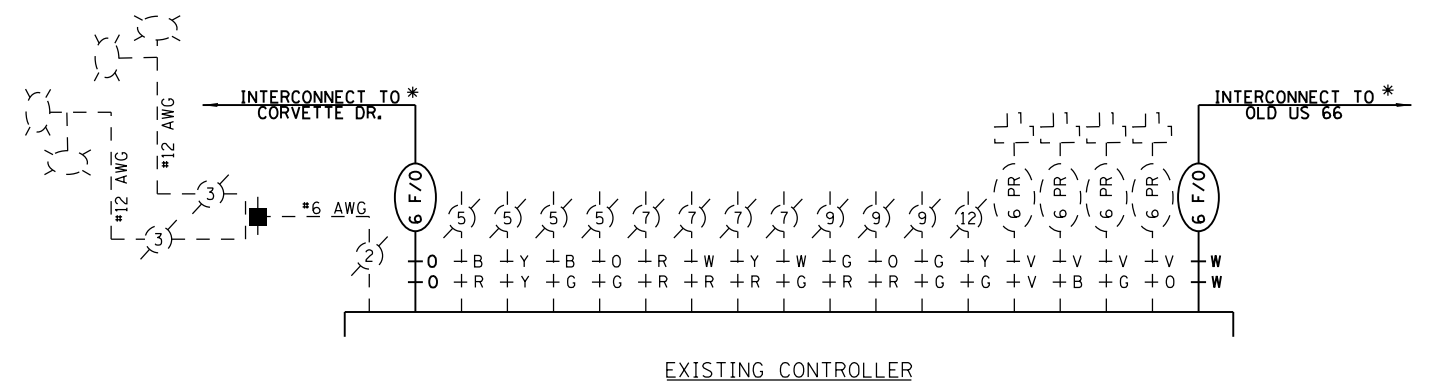
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED CABLE PLAN
IL 16 & INDUSTRIAL DR.

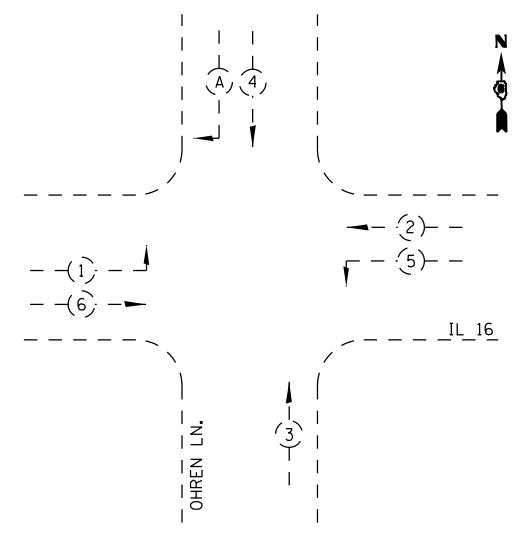
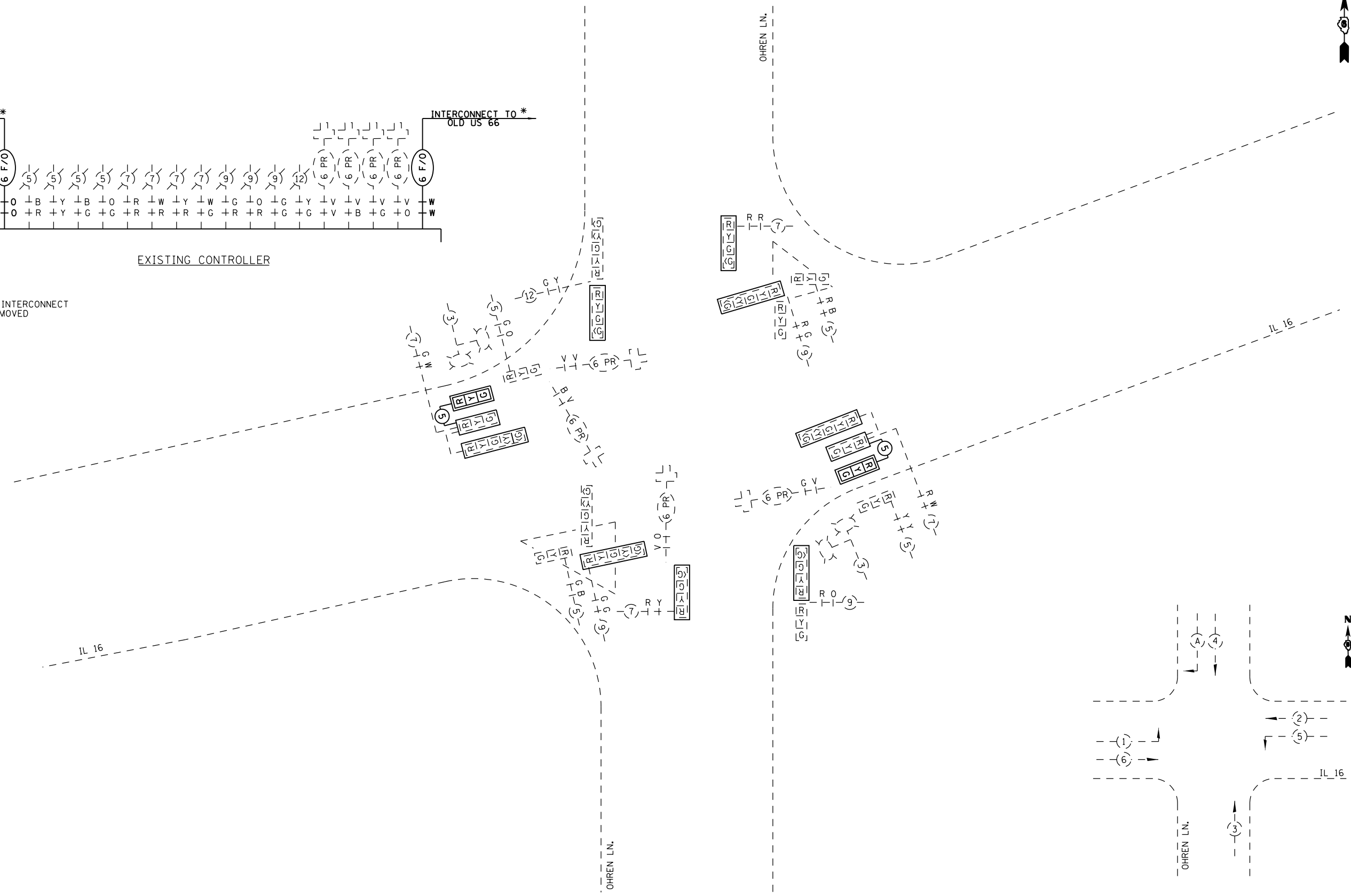
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15 TS, 24 TS-2	MONTGOMERY	23	19
CONTRACT NO. 72D66				
ILLINOIS FED. AID PROJECT				

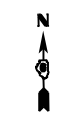


EXISTING CONTROLLER

* EXISTING INTERCONNECT TO BE REMOVED

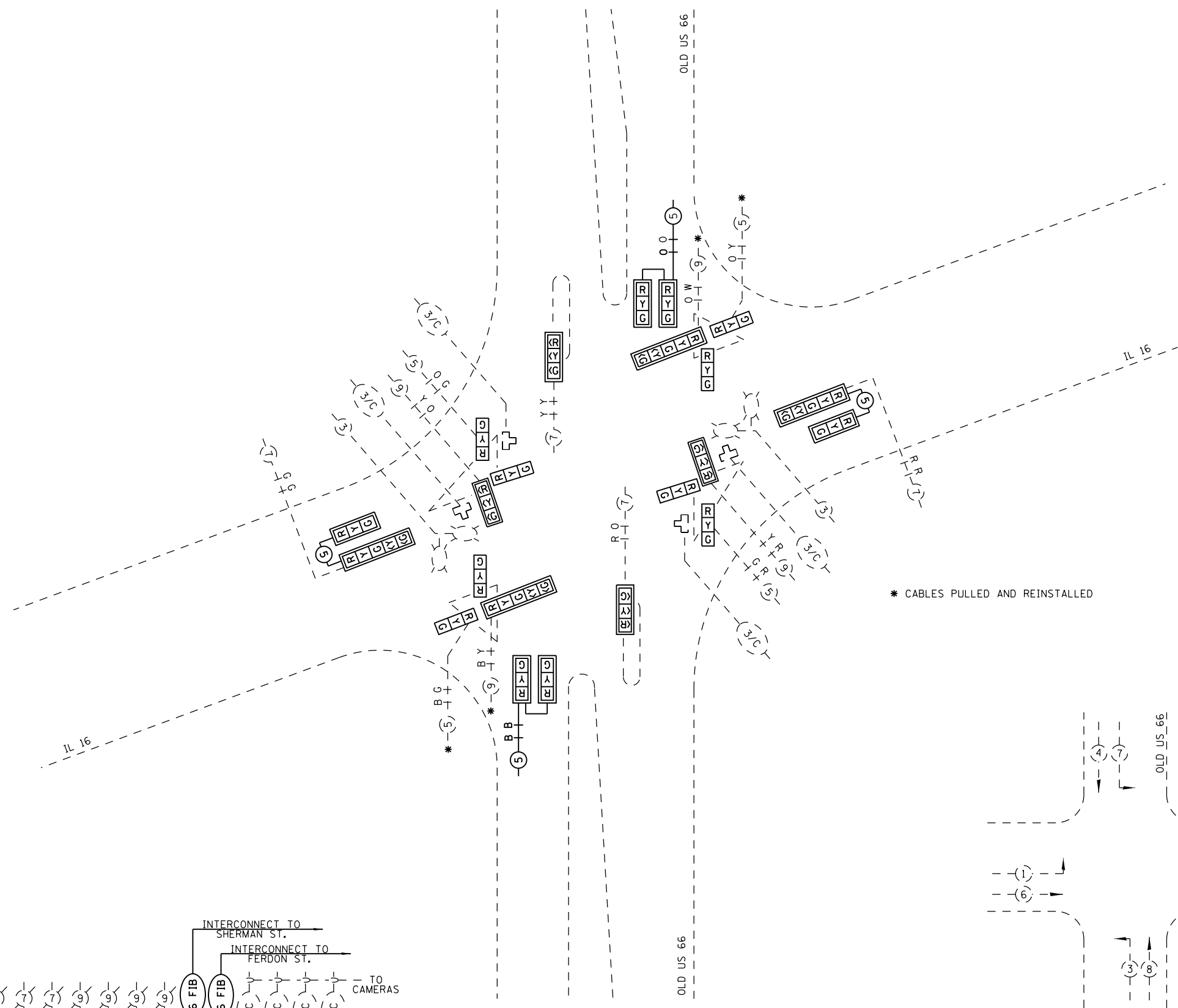


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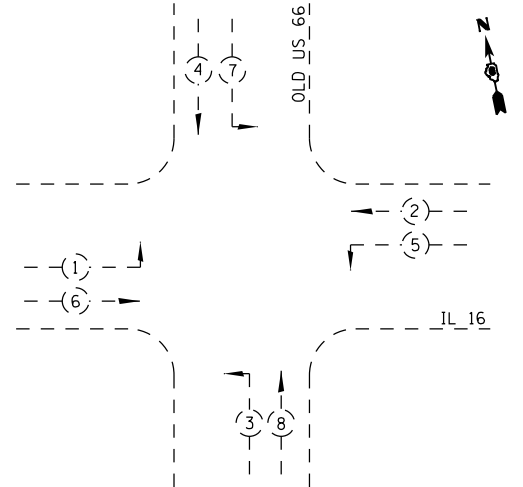


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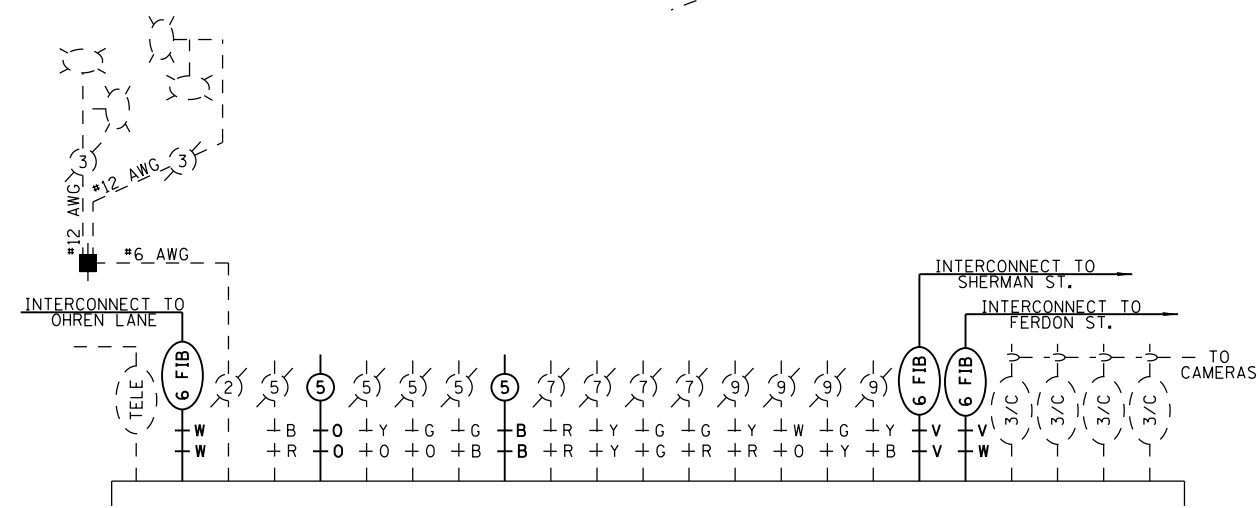
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 72D66				
PLOT DATE = Oct-14-2010 03:14:14PM	DATE -	REVISED -	SCALE: 1" = 20'		SHEET NO. OF	SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT				



* CABLES PULLED AND REINSTALLED



PHASE DESIGNATION



EXISTING CONTROLLER

NOT TO SCALE

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

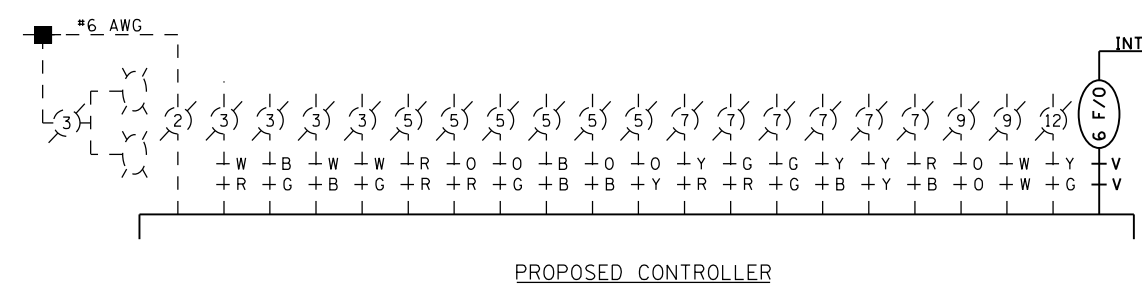
**PROPOSED CABLE PLAN
IL 16 & OLD US 66**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15 TS, 24 TS-2	MONTGOMERY	23	21
CONTRACT NO. 72D66				
ILLINOIS FED. AID PROJECT				

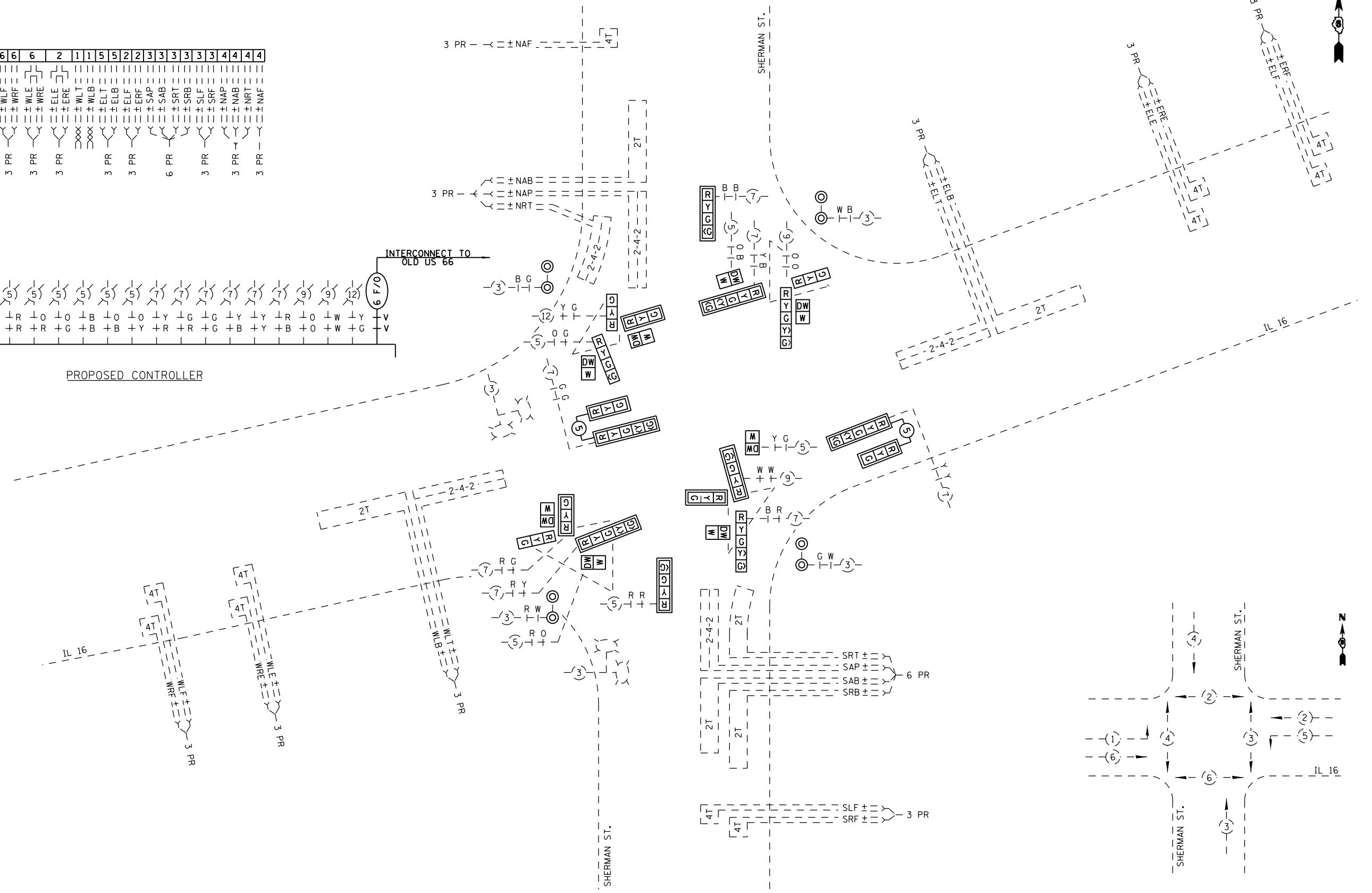
SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.



PHASE	6	6	6	2	1	1	5	5	2	2	3	3	3	3	3	4	4	4				
	± WLF	± WRF	± WLE	± WRE	± ELE	± ERE	± WLT	± WLB	± ELT	± ELB	± ELF	± ERF	± SAP	± SAB	± SRT	± SRB	± SLF	± SRF	± NAP	± NAB	± NRT	± NAF
	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR	3 PR



PROPOSED CONTROLLER



PHASE DESIGNATION

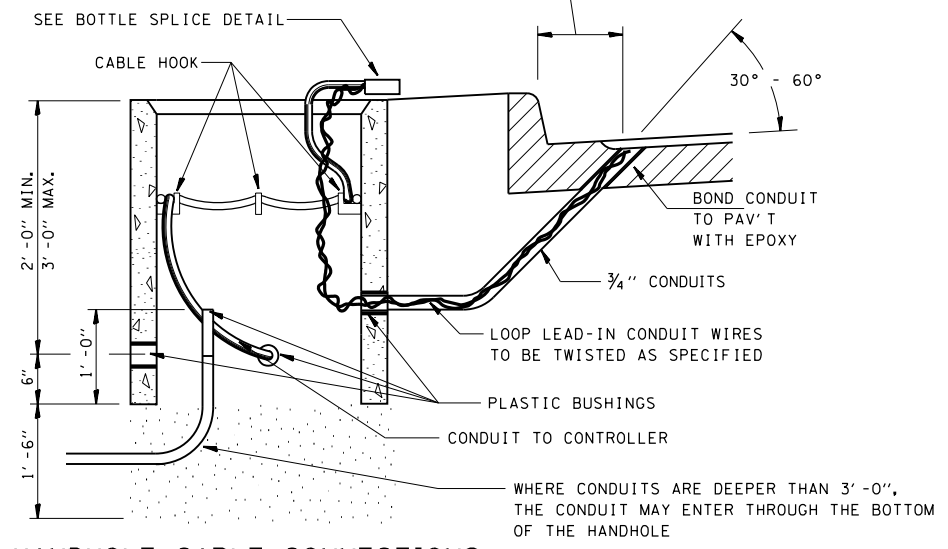


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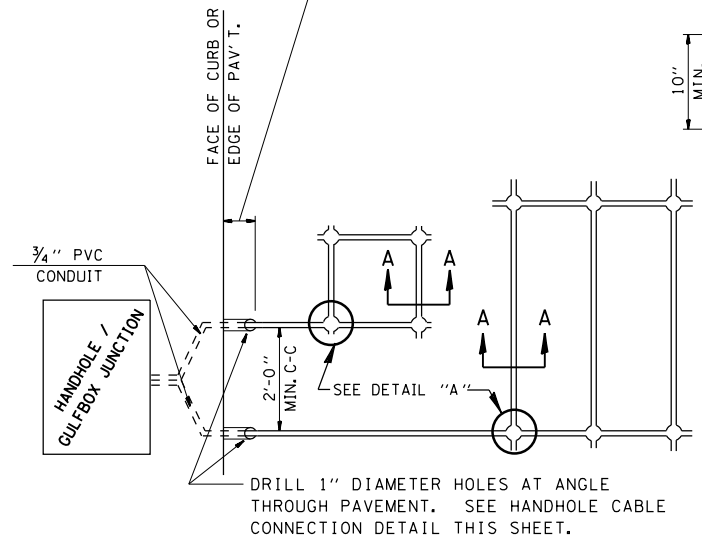
NOT TO SCALE

LENGTH OF SLACK FOR LOOP LEAD-INS SHALL PROVIDE FOR MAKING THE SPLICE ON TOP OF THE HANDHOLE AND ONE COMPLETE LOOP OF THE INTERIOR OF THE HANDHOLE, THE SPLICE SHALL BE SUPPORTED BY A CABLE HOOK.

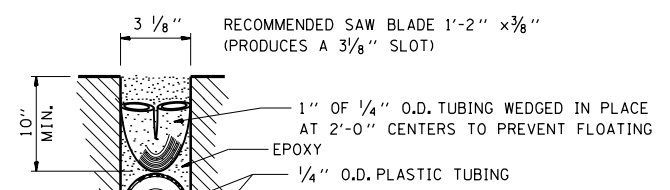
THE LOOP LEAD-IN CONDUIT HOLES SHALL BE PLACED AS CLOSE TO THE CURB AS POSSIBLE TO PERMIT SAW OVERLAP WITHOUT SCARRING FACE OF CURB.
IN NON-CURB LOCATIONS THE DISTANCE SHALL NOT BE LESS THAN 6".



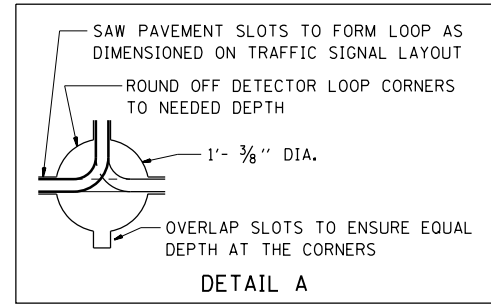
HANDHOLE CABLE CONNECTIONS



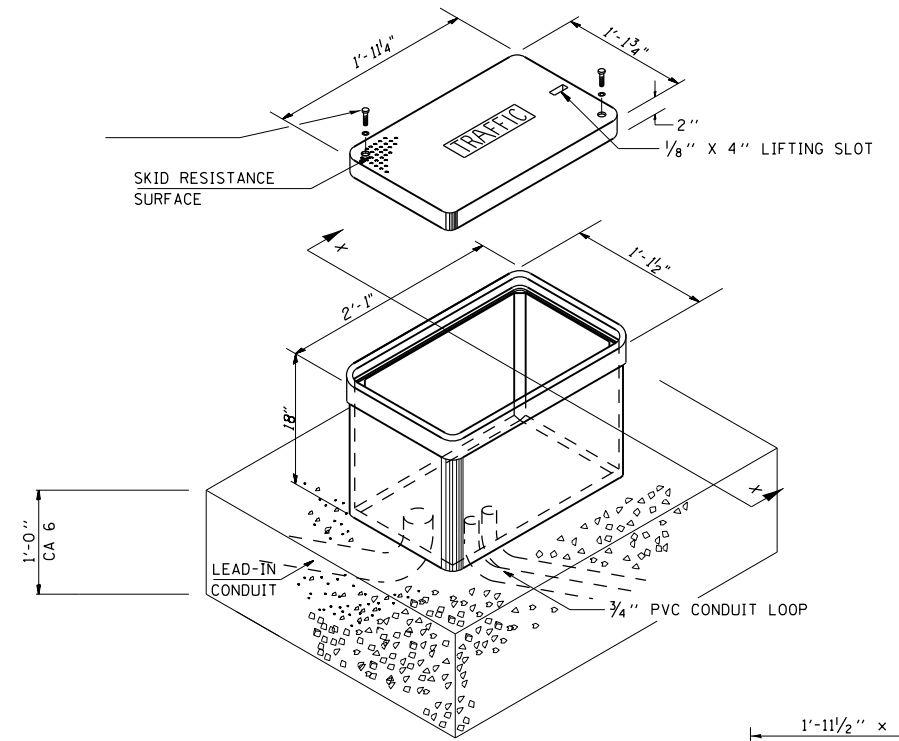
PAVEMENT SAWING DETAIL FOR TUBE ENCASED DETECTOR LOOP WIRE



SECTION A-A

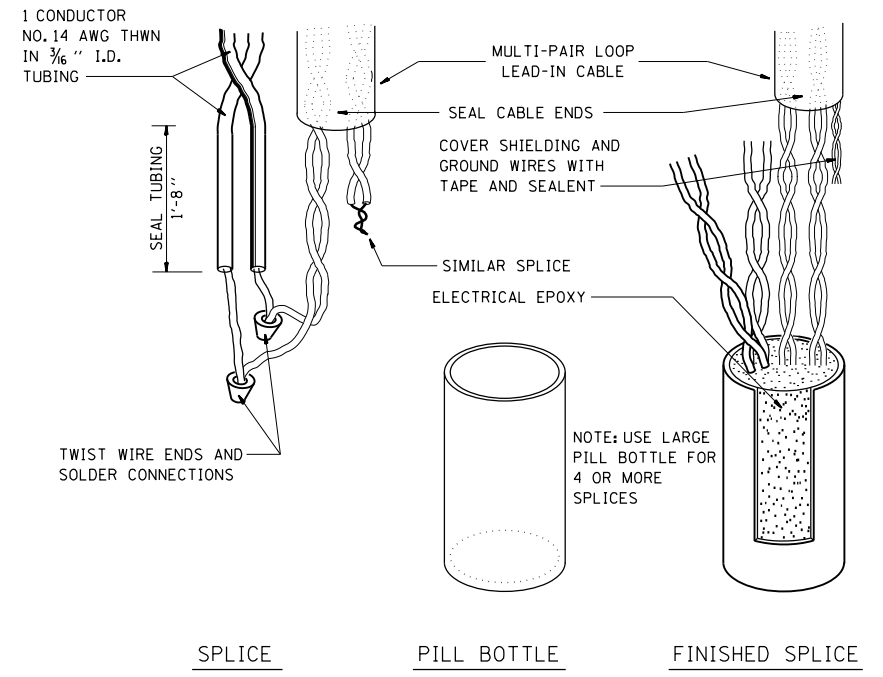
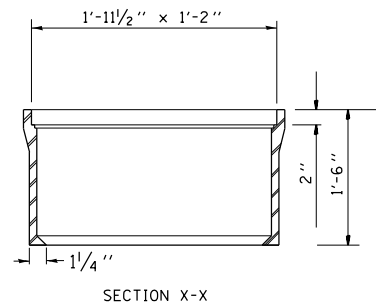


DETAIL A

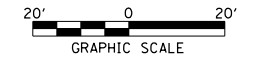


MINIMUM DIMENSIONS

GULFBOX JUNCTION



BOTTLE SPLICE DETAIL



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		DATE -	REVISED -
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PLOT DATE = Oct-14-2010 03:14:44PM			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL DETECTOR
LOOP DETAILS**

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
325	15 TS, 24 TS-2	MONTGOMERY	23	23
CONTRACT NO. 72D66				
ILLINOIS FED. AID PROJECT				