

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	*	KANKAKEE	11	1
		ILLINOIS	CONTRACT NO. 66N15	

\* SIGNAL MAST ARM REP 2023-01

**INDEX**

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- 2 GENERAL NOTES
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- 6 PROPOSED TRAFFIC SIGNAL PLAN
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- 8 CABLE PLAN AND PHASE DESIGNATION
- 9 SIGN SCHEDULE AND DETAILS
- 10 MAST ARM DETAILS
- 11 SOIL BORINGS

# PROPOSED HIGHWAY PLANS

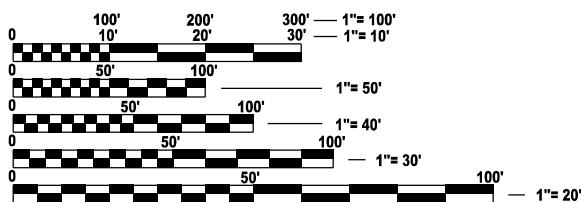
FAP ROUTE 332 (IL 1)  
SECTION SIGNAL MAST ARM REP 2023-01

TRAFFIC SIGNAL MAST ARM REPLACEMENT  
KANKAKEE COUNTY

C-93-043-23

**LIST OF ILLINOIS DOT HIGHWAY STANDARDS**

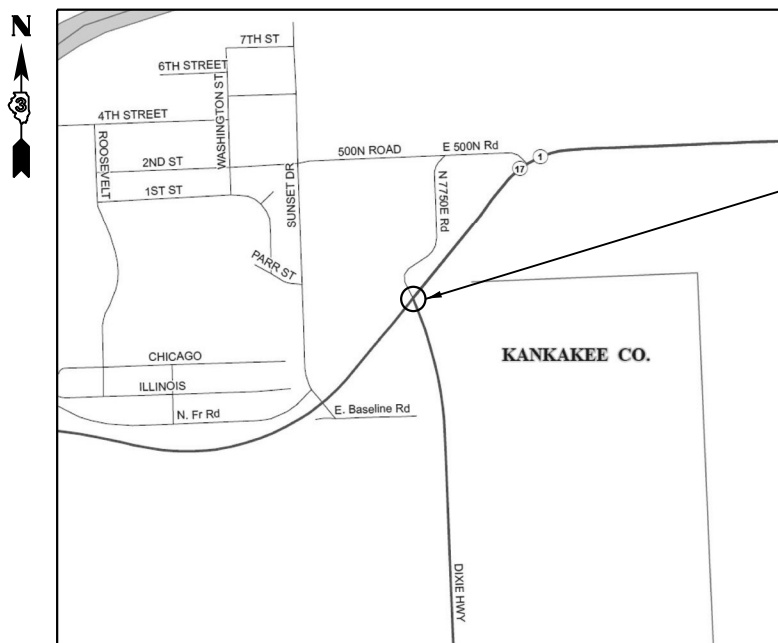
- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 701101-05 OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
- 701106-02 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-08 TRAFFIC CONTROL DEVICES
- 720016-04 MAST ARM MOUNTED STREET NAME SIGNS
- 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
- 877001-08 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
- 878001-11 CONCRETE FOUNDATION DETAILS
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS



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.

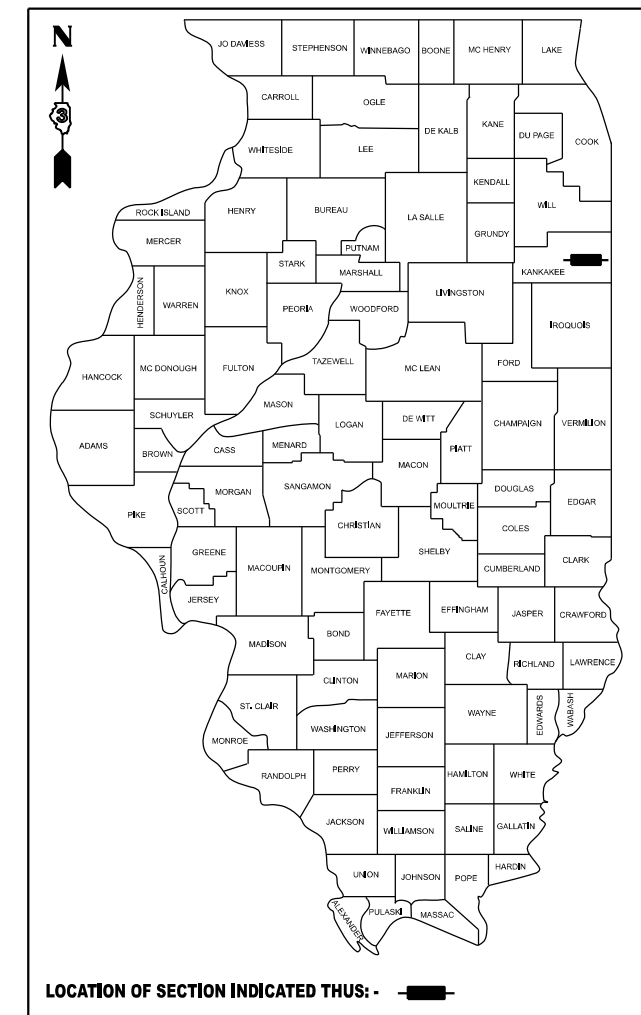
J.U.L.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION  
1-800-892-0123  
OR 811

PROJECT ENGINEER: BRAD DUNCAN, P.E.  
UNIT CHIEF: MOHAMED YOUSIF  
DISTRICT 3 NO. (815)434-6131  
CONTRACT NO. 66N15



LOCATION MAP  
GROSS & NET LENGTH = POINT LOCATION

PROJECT LOCATION  
INTERSECTION OF IL 17 & IL 1



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

IL 17 - OTHER ARTERIAL  
2021 ADT = 9,550  
P.V. = 80.1% S.U. = 5.2% M.U. = 14.7%

IL 1 - OTHER ARTERIAL  
2021 ADT = 3,850  
P.V. = 92.2% S.U. = 4.9% M.U. = 2.9%

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 22, 2023

*James Ahmed*  
REGIONAL ENGINEER  
May 12, 2023

*Scott A. Etk*  
ENGINEER OF DESIGN AND ENVIRONMENT  
May 12, 2023

*Stephen M. Smith*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS

**GENERAL NOTES**

1. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-6131 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:
  - AT&T
  - COMCAST
  - COMED
  - NICOR
3. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
4. ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE
5. 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 TRAFFIC SIGNAL PAY ITEMS.
6. RELOCATE EXISTING SIGNAL HEAD SHALL INCLUDE THE BACKPLATES AND SNOW CONES.
7. A 3/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.
8. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON. COST TO BE INCLUDED WITH THE TRAFFIC SIGNAL CONTROLLER PAY ITEM.
9. ALL CONDUIT IN TRENCH SHALL BE P.V.C. ALL PUSHED CONDUIT MAY BE P.V.C. OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
10. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
11. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
12. ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.

13. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED, CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
14. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
15. ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 OF THE STANDARD SPECIFICATIONS.
16. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
17. THE MAST ARM FOUNDATIONS SHALL BE LOCATED A MINIMUM 6' FROM THE FACE OF CURB OR A MINIMUM 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN CURB AREA, GET MORE THAN 6' IF POSSIBLE IF THE SIGNAL HEAD STILL LINES UP IN CENTER OF LANE.
18. ANY EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE IDOT RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.

**COMMITMENTS:**

NONE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

\_\_\_\_\_  
SUPERVISING CONSTRUCTION FIELD ENGINEER

\_\_\_\_\_  
RESIDENT ENGINEER / TECHNICIAN

START & END DATES  
OF CONSTRUCTION: \_\_\_\_\_

INSPECTORS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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USER NAME = Jon.Woodyer	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P. RTE. 332	SECTION *	COUNTY KANKAKEE	TOTAL SHEETS 11	SHEET NO. 2
DRAWN - _____	REVISIONS - _____	* SIGNAL MAST ARM REP 2023-01			CONTRACT NO. 66N15				
PLOT SCALE = 100,000' / in.	CHECKED - _____	REVISIONS - _____			ILLINOIS FED. AID PROJECT				
PLOT DATE = 3/15/2023	DATE - _____	REVISIONS - _____			SCALE: _____	SHEET 1 OF 1 SHEETS	STA. _____ TO STA. _____		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE	
				TRAFFIC SIGNALS	
		0021		RURAL	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	7	7	
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1	
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1	
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1	
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	1	1	
67100100	MOBILIZATION	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	12	12	
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	41	41	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1887	1887	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1007	1007	
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	53	53	
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1	1	

\*= SPECIALTY ITEM

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 DATE: ...

USER NAME = Jon.Woodyer	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE. 332	SECTION *	COUNTY KANKAKEE	TOTAL SHEETS 11	SHEET NO. 3		
PLOT SCALE = 100,000' / in.	CHECKED - _____	REVISED - _____			* SIGNAL MAST ARM REP 2023-01		CONTRACT NO. 66N15				
PLOT DATE = 3/15/2023	DATE - _____	REVISED - _____			SCALE: _____	SHEET 1 OF 2 SHEETS	STA. _____	TO STA. _____	ILLINOIS   FED. AID PROJECT		
REV. 5/1/23											

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE	
				TRAFFIC SIGNALS	
				0021	RURAL
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1		1
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	27.5		27.5
87900200	DRILL EXISTING HANDHOLE	EACH	2		2
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	6		6
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2919		2919
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	2		2
X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	500		500

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USER NAME = Jon.Woodyer	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 100,000' / in.	CHECKED - _____	REVISIONS - _____
PLOT DATE = 3/15/2023	DATE - _____	REVISIONS - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

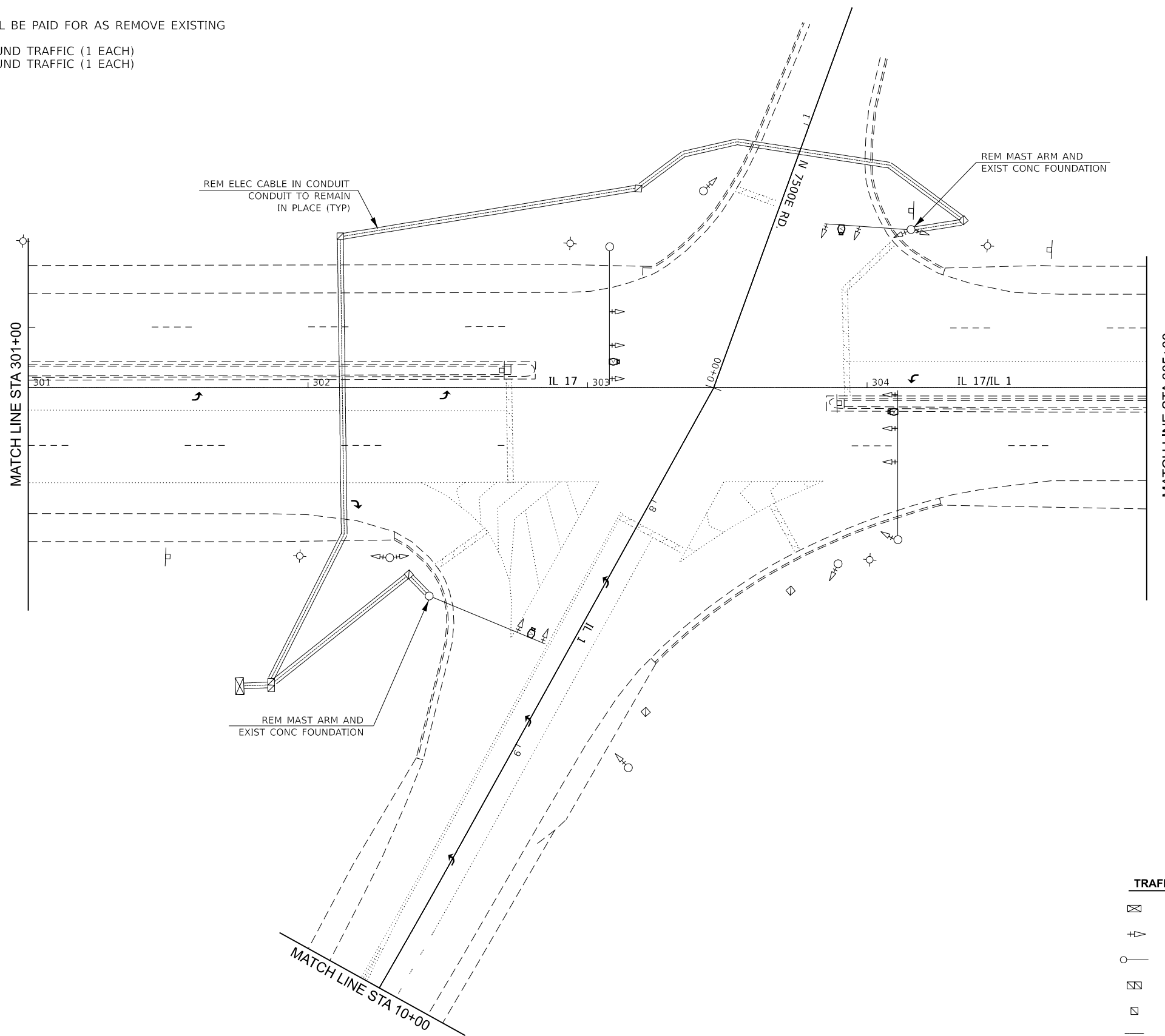
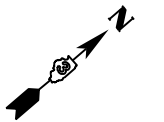
**SUMMARY OF QUANTITIES**

SCALE: \_\_\_\_\_ SHEET 2 OF 2 SHEETS STA. \_\_\_\_\_ TO STA. \_\_\_\_\_

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	*	KANKAKEE	11	4
* SIGNAL MAST ARM REP 2023-01		CONTRACT NO. 66N15		
ILLINOIS FED. AID PROJECT				

CONSTRUCTION NOTES:

- REMOVAL OF THE FOLLOWING ITEMS SHALL BE PAID FOR AS REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT:
- MAST ARM ASSEMBLY FOR NORTHBOUND TRAFFIC (1 EACH)
  - MAST ARM ASSEMBLY FOR SOUTHBOUND TRAFFIC (1 EACH)



**TRAFFIC SIGNALS LEGEND**

- EXISTING CONTROLLER AND CABINET
- EXISTING SIGNAL HEAD WITH BACKPLATE
- EXISTING STEEL MAST ARM ASSEMBLY
- EXISTING DOUBLE HANDHOLE
- EXISTING HANDHOLE
- EXISTING CONDUIT
- EXISTING VIDEO VEHICLE VEHICLE DETECTION

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 DATE: 3/15/2023

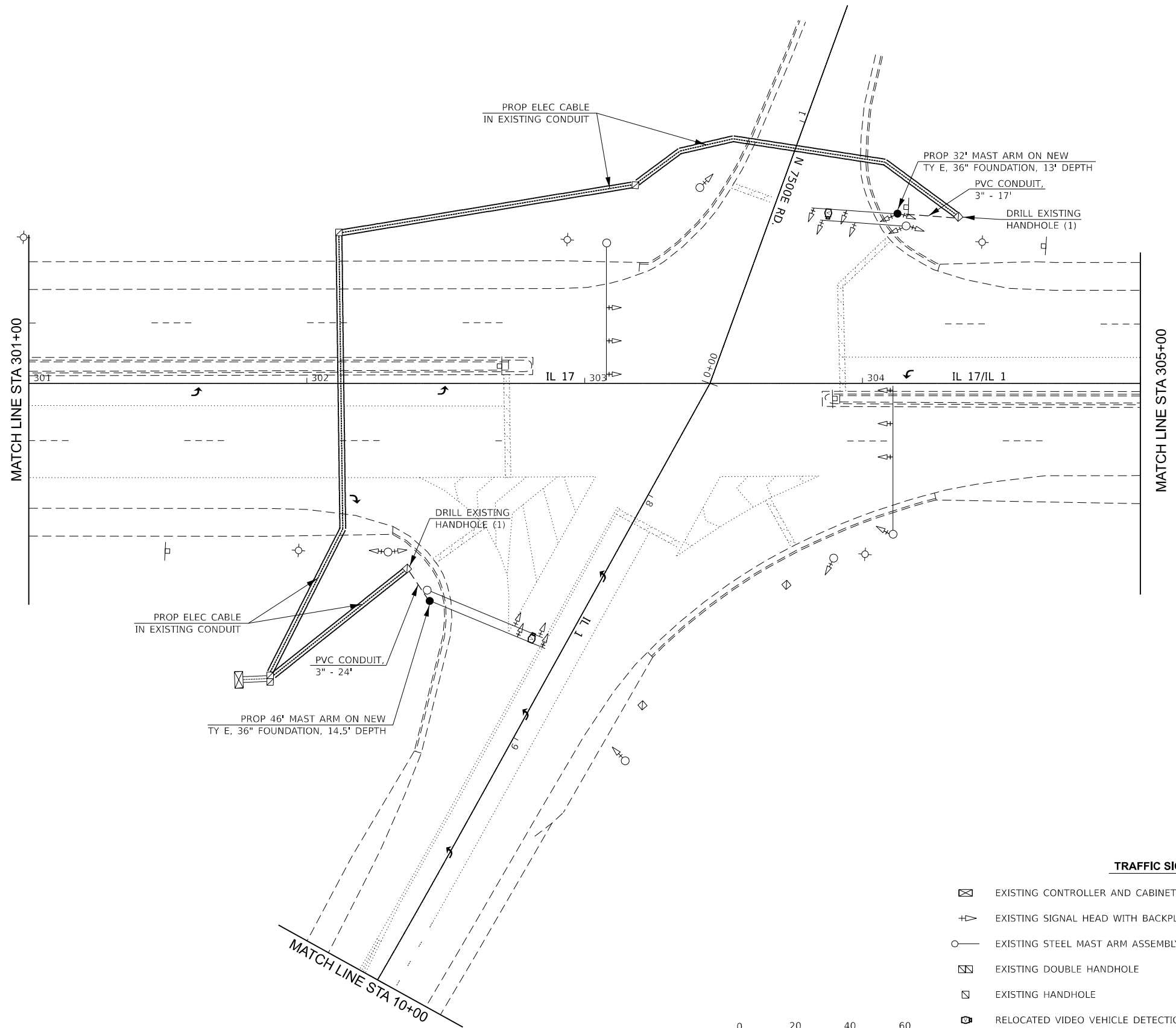
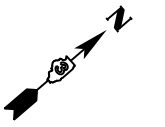
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	DRAWN - _____	REVISED - _____
PLOT SCALE = 100,000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/15/2023	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL REMOVAL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	*	KANKAKEE	11	5
* SIGNAL MAST ARM REP 2023-01			CONTRACT NO. 66N15	
ILLINOIS FED. AID PROJECT				



**TRAFFIC SIGNALS LEGEND**

- ☒ EXISTING CONTROLLER AND CABINET
- ⊕ EXISTING SIGNAL HEAD WITH BACKPLATE
- EXISTING STEEL MAST ARM ASSEMBLY
- ☒ EXISTING DOUBLE HANDHOLE
- ☒ EXISTING HANDHOLE
- 📷 RELOCATED VIDEO VEHICLE DETECTION
- PROPOSED STEEL MAST ARM ASSEMBLY
- - PROPOSED CONDUIT
- ▬ PROPOSED ELEC CABLE IN EXISTING CONDUIT



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PLOT DATE = 3/15/2023	DATE - _____	REVISED - _____	

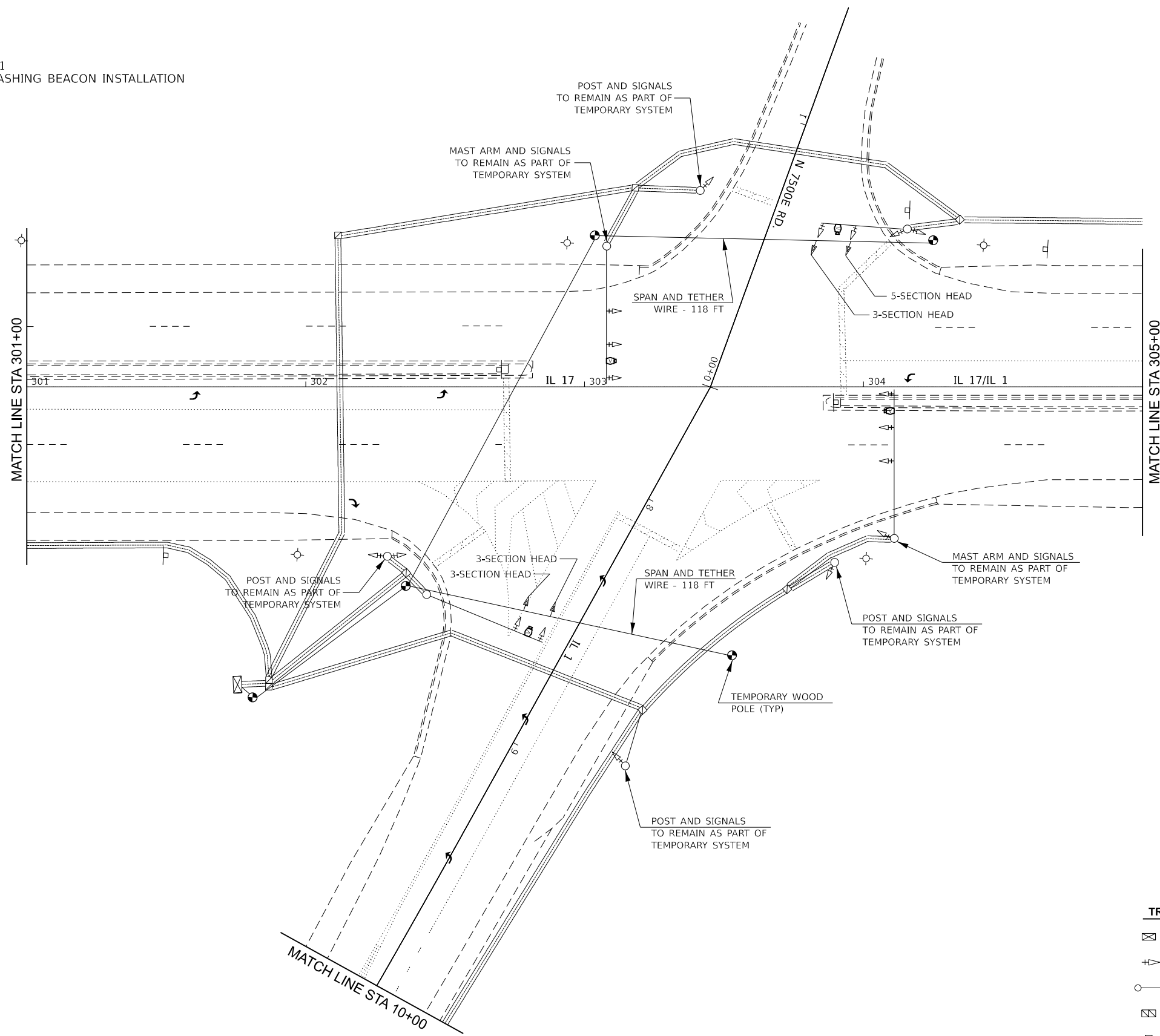
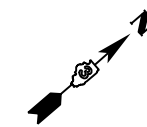
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PROPOSED TRAFFIC SIGNAL PLAN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	*	KANKAKEE	11	6
* SIGNAL MAST ARM REP 2023-01			CONTRACT NO. 66N15	
ILLINOIS FED. AID PROJECT				

NOTE:  
 REFER TO HIGHWAY STANDARD 880001-01  
 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION



**TRAFFIC SIGNALS LEGEND**

- ☒ EXISTING CONTROLLER AND CABINET
- ⊕ EXISTING SIGNAL HEAD WITH BACKPLATE
- EXISTING STEEL MAST ARM ASSEMBLY
- ☒ EXISTING DOUBLE HANDHOLE
- ☒ EXISTING HANDHOLE
- ≡≡≡ EXISTING CONDUIT
- 📹 EXISTING VIDEO VEHICLE DETECTION



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 PROJECT: ...  
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DRAWN - _____	REVISIONS - _____	
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PLOT DATE = 3/15/2023	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

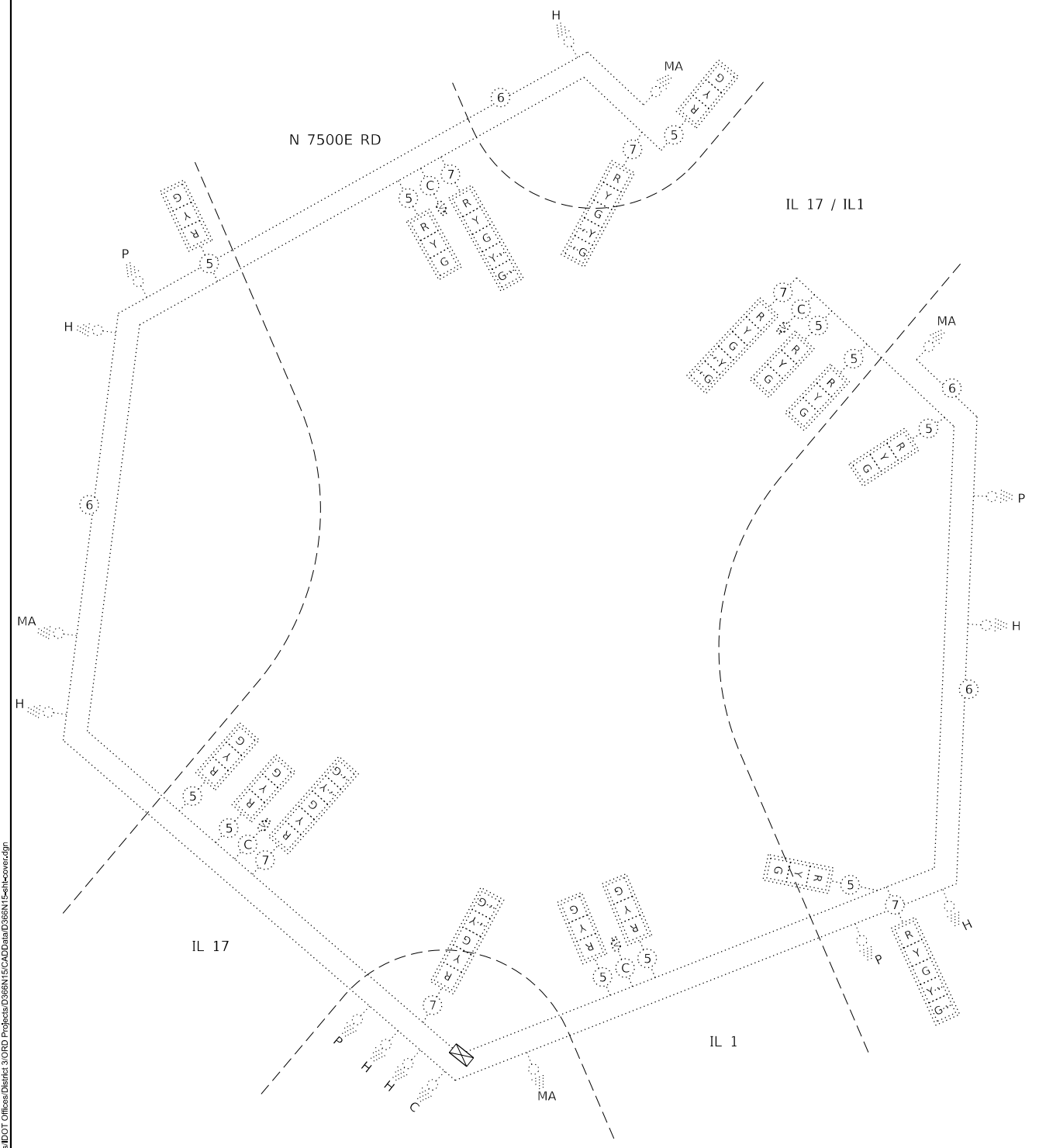
**TEMPORARY TRAFFIC SIGNAL PLAN**

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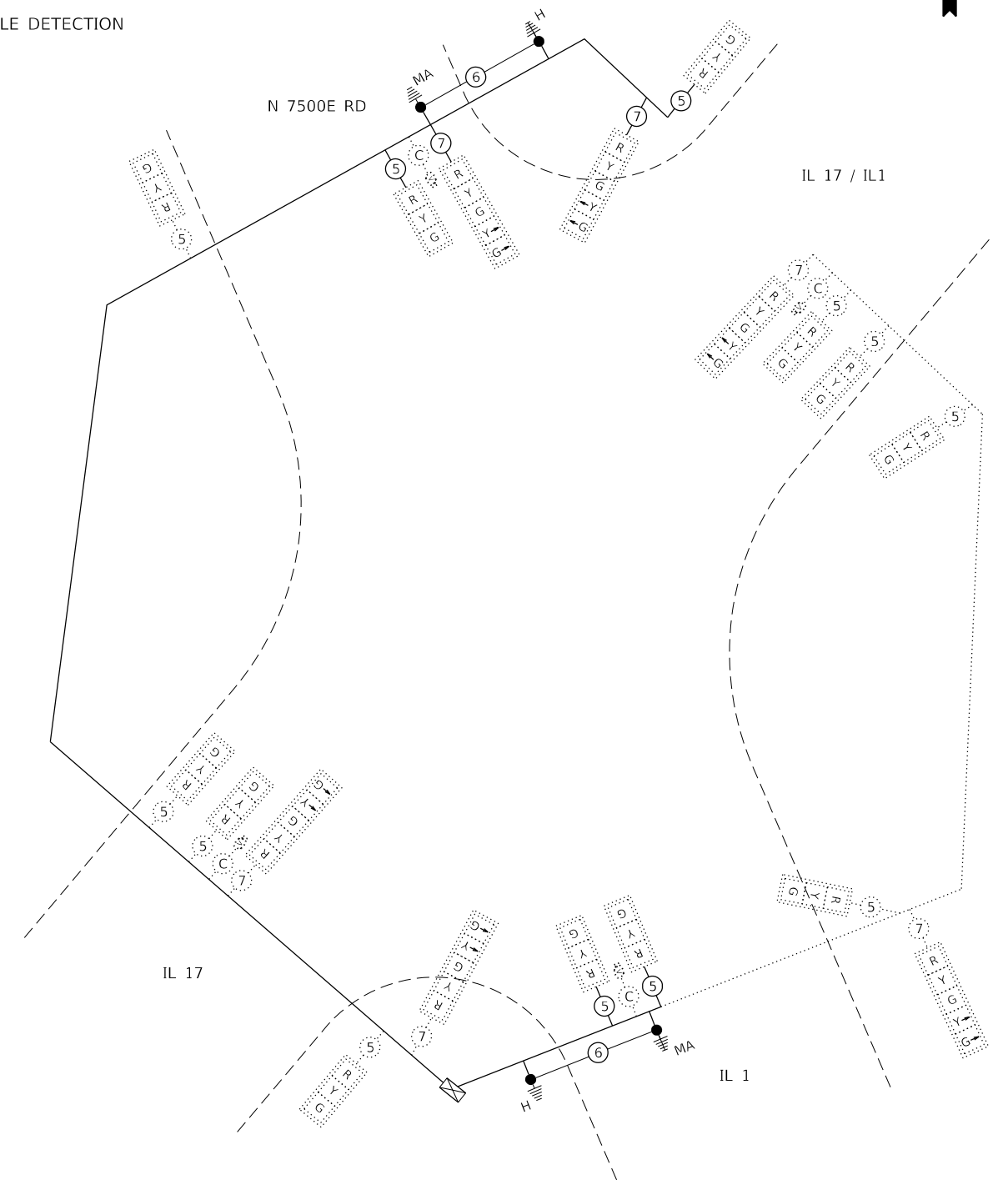
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	*	KANKAKEE	11	7
* SIGNAL MAST ARM REP 2023-01		CONTRACT NO. 66N15		
ILLINOIS FED. AID PROJECT				

**TRAFFIC SIGNALS LEGEND**

- ⊛ DENOTES NUMBER OF PROPOSED CONDUCTORS
- ⊙ DENOTES VIDEO DETECTION CABLE
- ⊠ EXISTING CONTROLLER AND CABINET
- ⊛ EXISTING VIDEO VEHICLE DETECTION
- PROPOSED CABLE
- ⋯ EXISTING CABLE
- GROUNDING ROD
- MA MAST ARM
- H HANDHOLE
- P POST
- C CONTROLLER



**EXISTING CABLE PLAN**  
NOT TO SCALE



**PROPOSED CABLE PLAN**  
NOT TO SCALE

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 PROJECT: ...  
 DATE: 3/15/2023

USER NAME = Jon.Woodyer	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 100,000' / in.	CHECKED - _____	REVISIONS - _____
PLOT DATE = 3/15/2023	DATE - _____	REVISIONS - _____

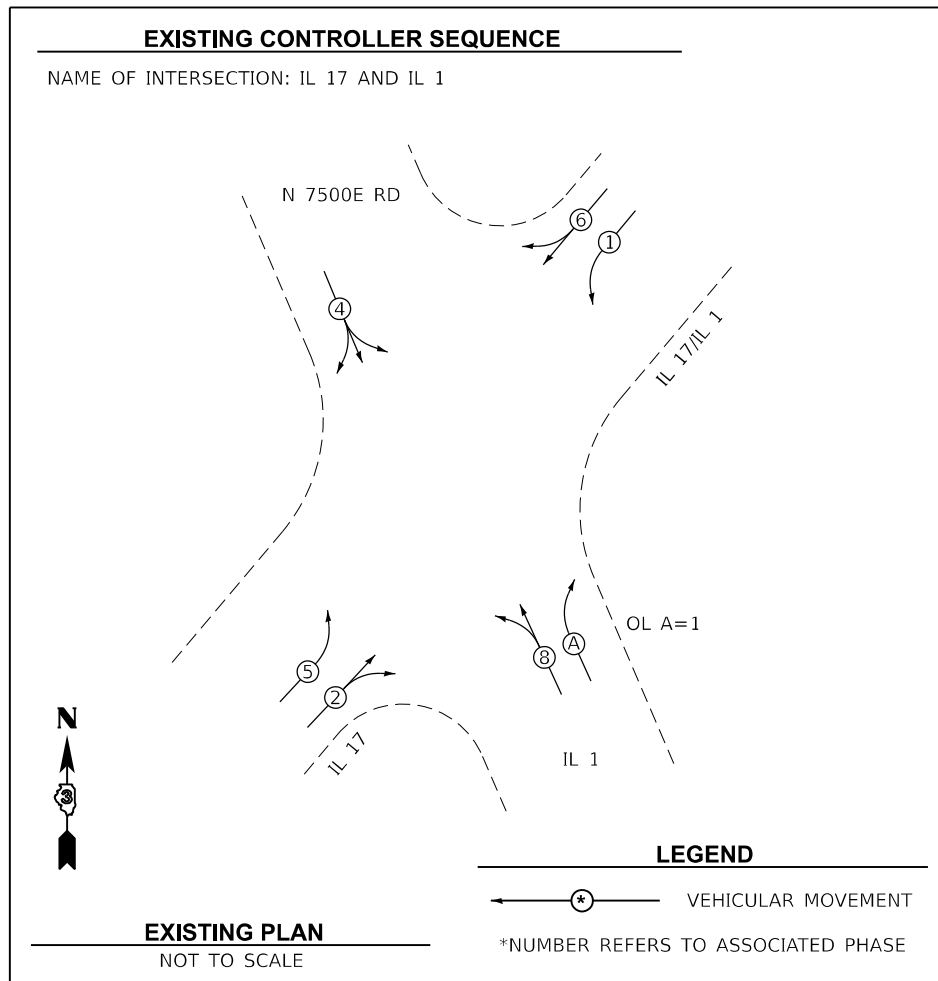
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CABLE PLAN AND PHASE DESIGNATION DIAGRAM**

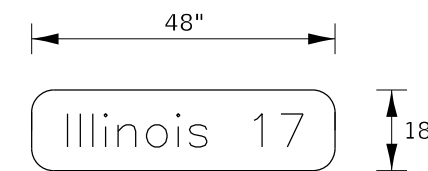
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
332	*	KANKAKEE	11	8
* SIGNAL MAST ARM REP 2023-01		CONTRACT NO. 66N15		
ILLINOIS FED. AID PROJECT				

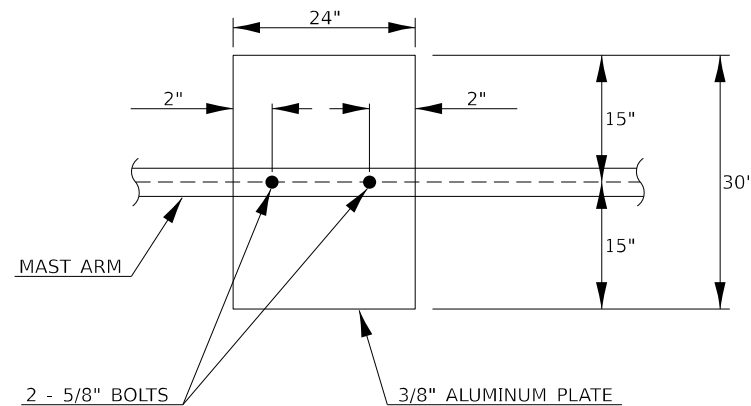




SIGN RELOCATION SCHEDULE			
LOCATION/TYPE	SIZE	QUANTITY	RELOCATE SIGN PANEL TYPE 1
	INCHES		SQ FT
NORTHBOUND MAST ARM			
ILLINOIS 17 STREET NAME	48 x 18	1	6.0
SOUTHBOUND MAST ARM			
ILLINOIS 17 STREET NAME	48 x 18	1	6.0
<b>TOTAL</b>		<b>2.0</b>	<b>12.0</b>



TWO SIGNS TO BE RELOCATED - 6.0 SQ FT EACH  
UPPER CASE/LOWER CASE LETTERING, 8"  
TYPE ZZ SHEETING



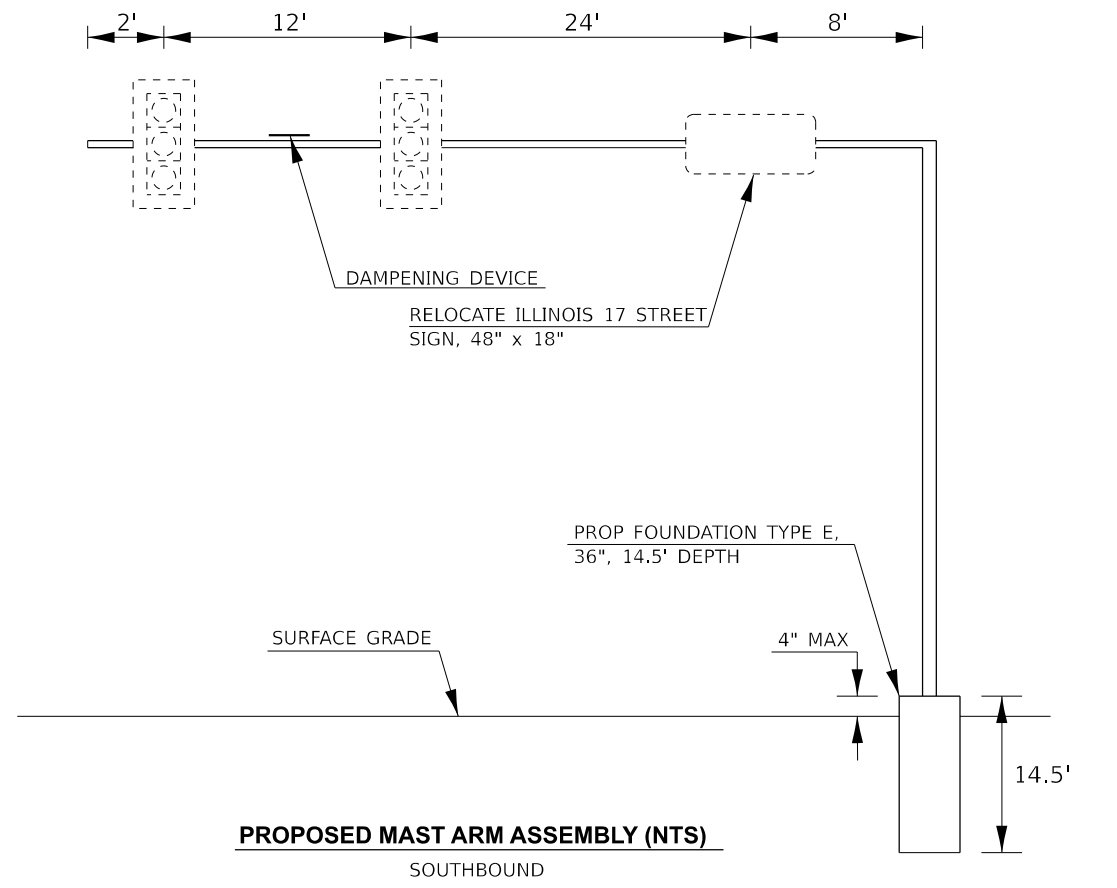
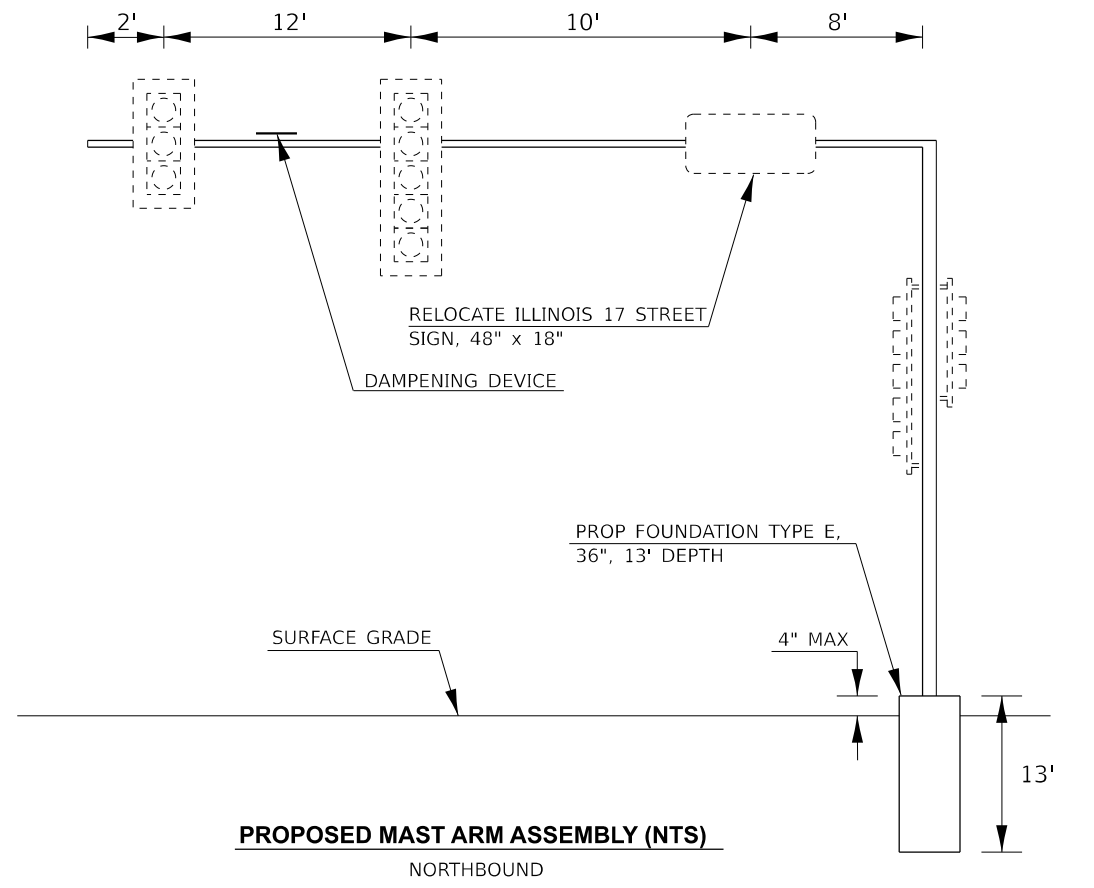
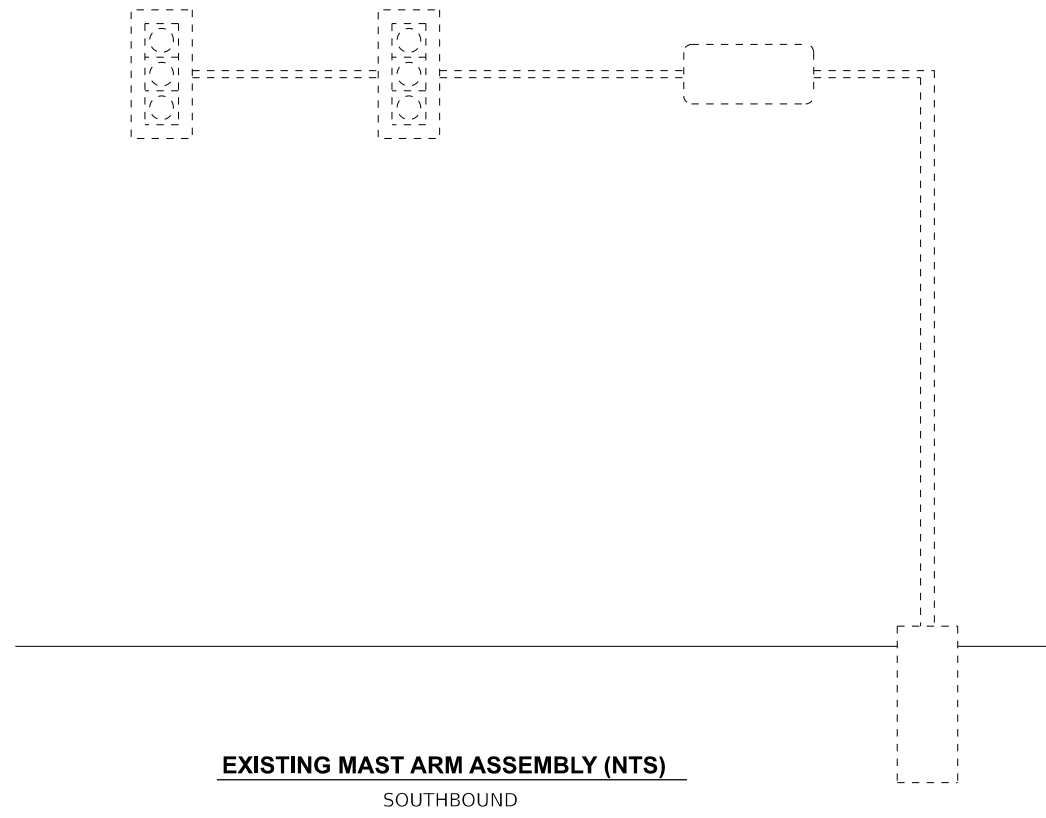
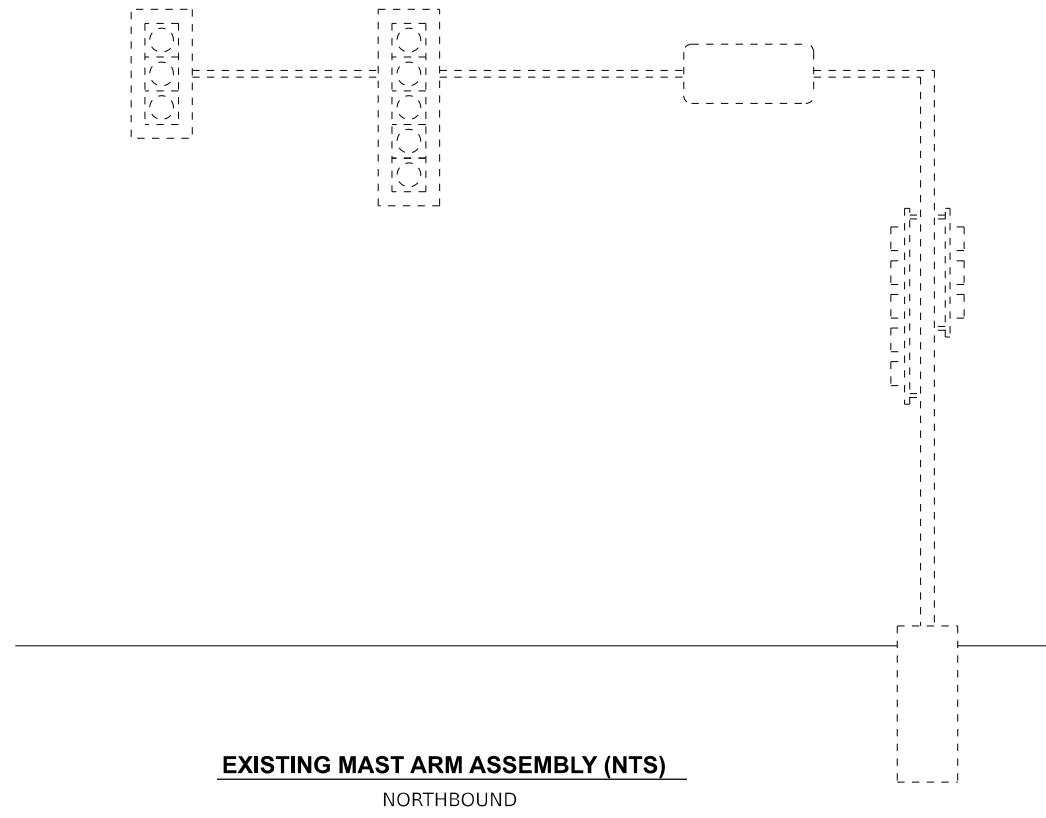
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PLOT SCALE = 100,000' / in.	DRAWN - _____	REVISED - _____
PLOT DATE = 3/15/2023	CHECKED - _____	REVISED - _____
	DATE - _____	REVISED - _____

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

<b>SIGN SCHEDULE</b>			
SCALE: _____	SHEET 1	OF 1 SHEETS	STA. _____ TO STA. _____

F.A.P. RTE. 332	SECTION *	COUNTY KANKAKEE	TOTAL SHEETS 11	SHEET NO. 9
* SIGNAL MAST ARM REP 2023-01			CONTRACT NO. 66N15	
ILLINOIS		FED. AID PROJECT		



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DRAWN - _____	REVISIONS - _____	REVISIONS - _____
PLOT SCALE = 100,000' / in.	CHECKED - _____	REVISIONS - _____
PLOT DATE = 3/15/2023	DATE - _____	REVISIONS - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>MAST ARM DETAILS</b>			
SCALE: _____	SHEET 1	OF 1 SHEETS	STA. _____ TO STA. _____

F.A.P. RTE. 332	SECTION *	COUNTY KANKAKEE	TOTAL SHEETS 11	SHEET NO. 10
* SIGNAL MAST ARM REP 2023-01		CONTRACT NO. 66N15		
ILLINOIS FED. AID PROJECT				

NOTE:  
TEMPORARY OR PERMANENT SLEEVES MAY BE NEEDED.



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG**

Page 1 of 1

Date 5/5/92

ROUTE FAP 332 (IL 1) DESCRIPTION IL 1 & IL 17 Intersection in Sun River Terrace LOGGED BYK, Whittington

SECTION (1R-1)RS, (K-15d,5)RS-3, (K-15d)BR, (5) W&RS LOCATION SE 1/4, SEC. 33, TWP. 31N, RNG. 13E, 3<sup>rd</sup> PM. Latitude, Longitude

COUNTY Kankakee DRILLING METHOD \_\_\_\_\_ HAMMER TYPE \_\_\_\_\_

STRUCT. NO. \_\_\_\_\_  
Station \_\_\_\_\_  
BORING NO. B-1 (S.W. Quad.)  
Station \_\_\_\_\_  
Offset \_\_\_\_\_  
Ground Surface Elev. \_\_\_\_\_ ft

DEPT H (ft) BLOW S (6") (tsf) UCS Qu (%) M O I S T

Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.:  
First Encounter \_\_\_\_\_ ft  
Upon Completion \_\_\_\_\_ ft  
After \_\_\_\_\_ Hrs. \_\_\_\_\_ ft

Brown Sandy Loam with Gravel (Fill)				11	
			1.0		
Black Sandy Loam	-5			20	
			0.5		
Dark Gray Sandy Loam				16	
			0.5		
Gray Sand - Fine Gravel (Loamy & Cohesive)				17	
	-10				
Gray - Brown Sand & Gravel (Wet) some Free Water				18	
End of Boring	-15				
	-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)



**Illinois Department of Transportation**  
Division of Highways  
Illinois Department of Transportation

**SOIL BORING LOG**

Page 1 of 1

Date 5/5/92

ROUTE FAP 332 (IL 1) DESCRIPTION IL 1 & IL 17 Intersection in Sun River Terrace LOGGED BYK, Whittington

SECTION (1R-1)RS, (K-15d,5)RS-3, (K-15d)BR, (5) W&RS LOCATION SE 1/4, SEC. 33, TWP. 31N, RNG. 13E, 3<sup>rd</sup> PM. Latitude, Longitude

COUNTY Kankakee DRILLING METHOD \_\_\_\_\_ HAMMER TYPE \_\_\_\_\_

STRUCT. NO. \_\_\_\_\_  
Station \_\_\_\_\_  
BORING NO. B-3 (N.E. Quad.)  
Station \_\_\_\_\_  
Offset \_\_\_\_\_  
Ground Surface Elev. \_\_\_\_\_ ft

DEPT H (ft) BLOW S (6") (tsf) UCS Qu (%) M O I S T

Surface Water Elev. \_\_\_\_\_ ft  
Stream Bed Elev. \_\_\_\_\_ ft  
Groundwater Elev.:  
First Encounter \_\_\_\_\_ ft  
Upon Completion \_\_\_\_\_ ft  
After \_\_\_\_\_ Hrs. \_\_\_\_\_ ft

Black - Brown Sandy Loam (Fill)				14	
			0.5-1.0		
Black Sandy Loam	-5			29	
			0.7		
Gray Wet Sand				20	
			1.0		
Gray Loam				20	
	-10				
Gray Wet Sand & Gravel				20	
End of Boring	-15				
	-20				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, form 137 (Rev. 8-99)

MODEL: D:\data\... FILE NAME: ...

USER NAME = Jon.Woodyer	DESIGNED - _____	REVISED - _____
DRAWN - _____	REVISIONS - _____	
PLOT SCALE = 100,000' / in.	CHECKED - _____	REVISED - _____
PLOT DATE = 3/15/2023	DATE - _____	REVISED - _____

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SOIL BORINGS**

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

F.A.P. RTE. 332	SECTION *	COUNTY KANKAKEE	TOTAL SHEETS 11	SHEET NO. 11
* SIGNAL MAST ARM REP 2023-01		CONTRACT NO. 66N15		
ILLINOIS FED. AID PROJECT				