

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	1
		ILLINOIS	CONTRACT NO. 66L28	

**INDEX OF SHEETS**

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- 878001-11 CONCRETE FOUNDATION DETAILS
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS

**PROPOSED  
HIGHWAY PLANS**

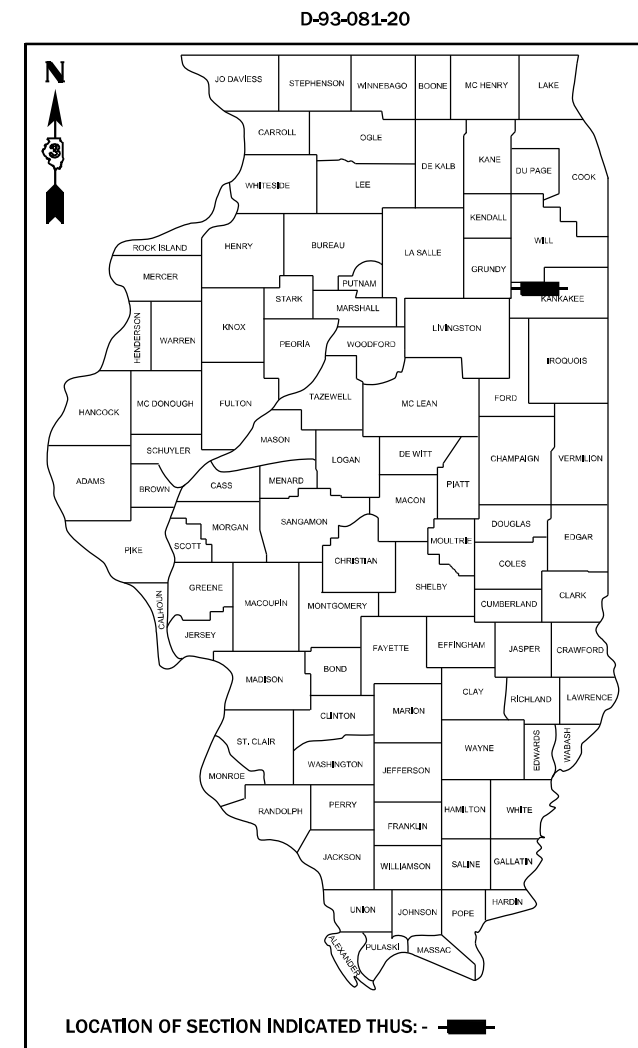
**FAP ROUTE 840A (IL 50 NB)  
SECTION SIGNAL MAST ARM REP 2021-01  
PROJECT NHPP-6D7T(213)  
MAST ARM REPLACEMENT  
KANKAKEE COUNTY**

C-93-116-20

**PROJECT LOCATION  
NB IL 50 (HARRISON ST)  
AT STATION ST**

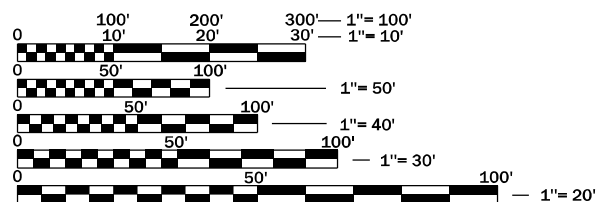


**PROJECT LOCATION  
NB IL 50 (HARRISON ST)  
AT RIVER ST**



LOCATION OF SECTION INDICATED THIS: - [Black Box] -

**FUNCTIONAL CLASSIFICATION**  
IL 50- OTHER PRINCIPAL ARTERIAL  
2019 ADT = 2,200  
P.V. = 94.1% S.U. = 3.2% M.U. = 2.7%



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: JACOB OYIER, P.E.**  
**UNIT CHIEF: STEPHENIE CARMIN**  
DISTRICT 3 NO. (815) 434-6131  
CONTRACT NO. 66L28

GROSS LENGTH = N/A  
NET LENGTH = N/A

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 29, 2021

*[Signature]*  
REGIONAL ENGINEER

March 19, 2021  
*[Signature]*  
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2021  
*[Signature]*  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3, SHALL BE NOTIFIED AT 815-434-8506 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.

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      - AQUA ILLINOIS
- COMCAST   - INTERCARRIER NETWORKS
- COMED     - CITY OF KANKAKEE
- NICOR

ALL TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.

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.

A 1/4" 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.

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.

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.

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

THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.

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.

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 TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.

ALL GROUNDING MATERIALS FOR CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 OF THE STANDARD SPECIFICATIONS.

BACKPLATES SHALL BE POLYCARBONATE, LOUVERED FORMED BACKPLATES.

ALL VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND BLACK BRACKETS.

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, THE FOUNDATION SHALL BE LOCATED MORE THAN 6', IF POSSIBLE, IF THE SIGNAL HEAD STILL LINES UP IN CENTER OF LANE.

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**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE  
AS BUILT INFORMATION

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

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

START & END DATES  
OF CONSTRUCTION:

INSPECTORS:

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DISTRICT THREE

PREPARED BY: \_\_\_\_\_  
DISTRICT STUDIES & PLANS ENGINEER

DATE: \_\_\_\_\_

EXAMINED BY: \_\_\_\_\_  
DISTRICT CONSTRUCTION ENGINEER

\_\_\_\_\_  
DISTRICT MATERIALS ENGINEER

\_\_\_\_\_  
DISTRICT OPERATIONS ENGINEER

FILE NAME =	USER NAME = NOLASCOCJ	DESIGNED -	REVISED -
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	PLOT DATE = 1/29/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	2
CONTRACT NO. 66L28				
ILLINOIS		FED. AID PROJECT		

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				FUND CODE FEDERAL	SAFETY
				80% FED 20% STATE	0021 URBAN
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	550		550
* 42400800	DETECTABLE WARNINGS	SQ FT	36		36
44000600	SIDEWALK REMOVAL	SQ FT	550		550
67100100	MOBILIZATION	L SUM	1		1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
* 72000100	SIGN PANEL - TYPE 1	SQ FT	28.5		28.5
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	45		45
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	93		93
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	102		102
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2235		2235
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2112		2112
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	981		981
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	3475		3475
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	2378		2378

\*= SPECIALTY ITEM

FILE NAME =	USER NAME = Grunstadaj	DESIGNED - _____	REVISED - _____	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 1/30/2021	DATE - _____	REVISED - _____		CONTRACT NO. 66L28								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				FUND CODE FEDERAL	SAFETY
				0021	URBAN
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1		1
87600100	PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	9		9
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2		2
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	3		3
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1		1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3		3
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	53		53
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11		11
87900200	DRILL EXISTING HANDHOLE	EACH	14		14
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10		10
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		2
88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	16		16
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	12		12
88800100	PEDESTRIAN PUSH-BUTTON	EACH	16		16

FILE NAME =	USER NAME = Grunstadaj	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000 /in.	CHECKED -	REVISED -
	PLOT DATE = 1/30/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**





















<b>SUMMARY OF QUANTITIES</b>			
SCALE: _____	SHEET 2	OF 3 SHEETS	STA. _____ TO STA. _____

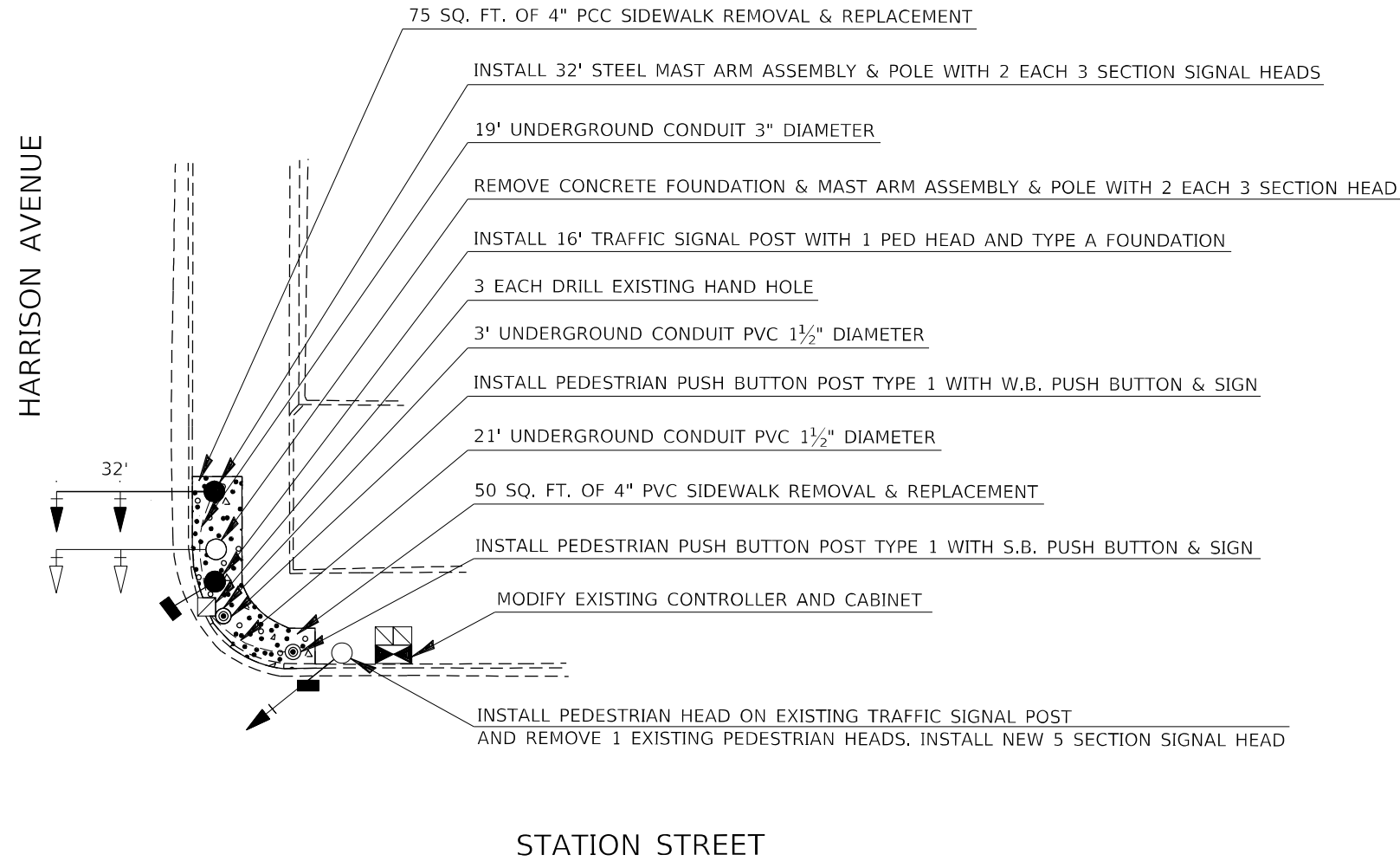
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	4
			CONTRACT NO. 66L28	
ILLINOIS   FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				FUND CODE FEDERAL	SAFETY
					0021 URBAN
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	2378	2378	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	2	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6	6	
X7200075	REMOVE AND REINSTALL SIGN PANEL	SQ FT	18	18	
X7230200	INSTALL SIGN PANEL - TYPE 2	SQ FT	50	50	
X8950114	MODIFY EXISTING CONTROLLER AND CABINET	EACH	2	2	
Z0029602	TEMPORARY SIGNING	L SUM	26	26	

\*

TRAFFIC SIGNALS LEGEND





















-  EXIST. HANDHOLE
-  EXIST. CONTROLLER
-  EXIST. STEEL MAST ARM
-  EXIST. PEDESTRIAN PUSHBUTTON DETECTOR
-  EXIST. SIGNAL HEAD
-  EXIST. SIGNAL HEAD WITH BACKPLATE
-  EXIST. SIGNAL HEAD, PEDESTRIAN
-  EXIST. SIGNAL POST
-  EXIST. WOOD POLE
-  CONDUIT
-  PROPOSED CONCRETE SURFACE REMOVAL AND REPLACEMENT
-  PROP. HANDHOLE
-  PROP. CONTROLLER
-  PROP. STEEL MAST ARM
-  PROP. PEDESTRIAN PUSHBUTTON DETECTOR
-  PROP. SIGNAL HEAD
-  PROP. SIGNAL HEAD WITH BACKPLATE
-  PROP. SIGNAL HEAD, PEDESTRIAN
-  PROP. SIGNAL POST
-  PROP. WOOD POLE

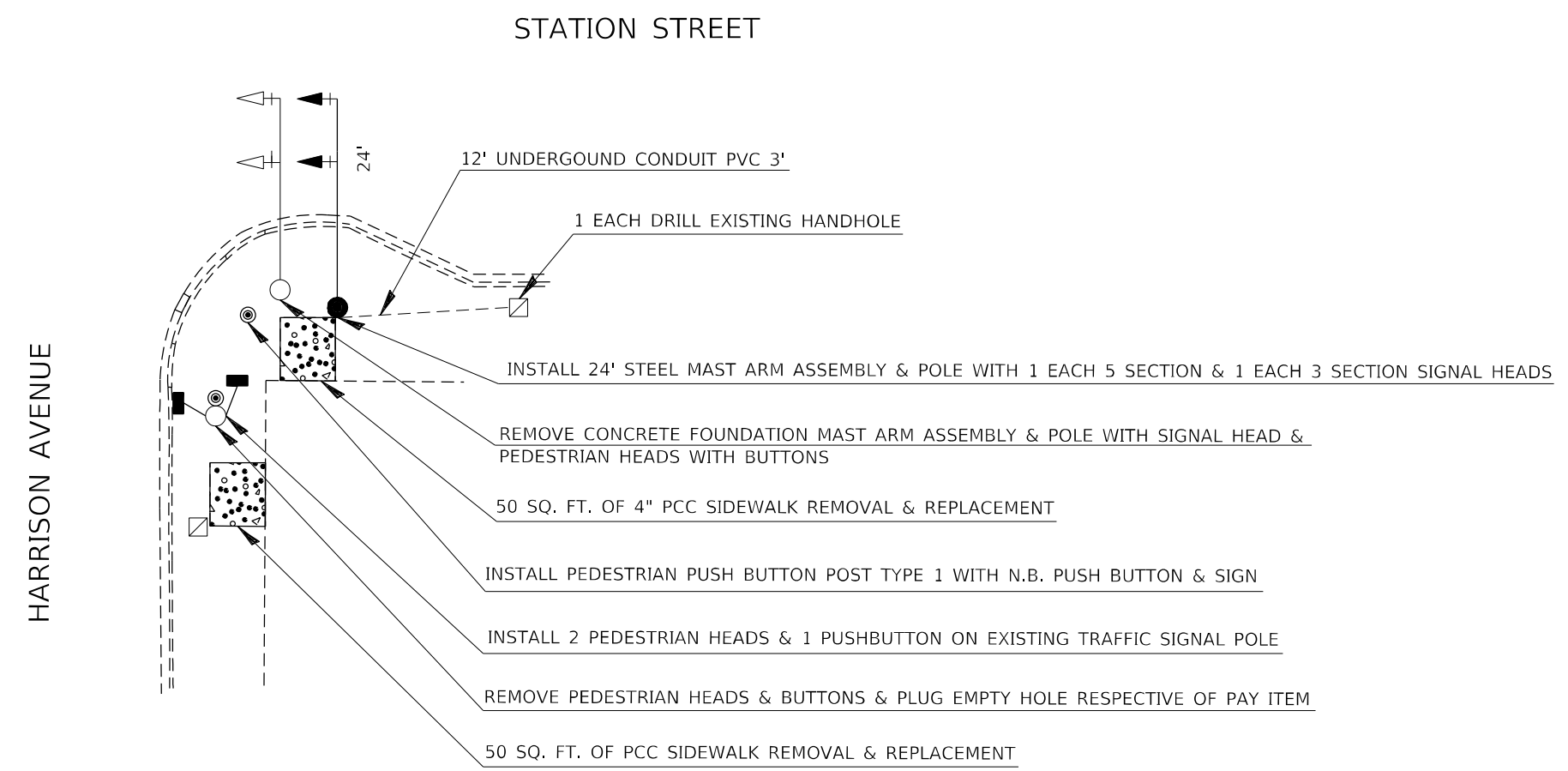


**BILL OF MATERIALS**  
NB IL 50 (HARRISON) AT STATION ST- NE QUAD

ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	125
SIDEWALK REMOVAL	SQ FT	125
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	19
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	24
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN PUSH-BUTTON POST, TYPE 1	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	0.25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	0.25
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	141
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	107.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	235
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	39
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	522.5
PEDESTRIAN PUSH-BUTTON	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	267
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	11
CONCRETE FOUNDATION, TYPE A	FOOT	3
SIGN PANEL - TYPE 1	SQ FT	7.5
REMOVE SIGN PANEL - TYPE 1	SQ FT	7.5
TEMPORARY SIGNING	L SUM	5
THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	20
DETECTABLE WARNINGS	SQ FT	12
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1

TRAFFIC SIGNALS LEGEND

-  EXIST. HANDHOLE
-  EXIST. CONTROLLER
-  EXIST. STEEL MAST ARM
-  EXIST. PEDESTRIAN PUSHBUTTON DETECTOR
-  EXIST. SIGNAL HEAD
-  EXIST. SIGNAL HEAD WITH BACKPLATE
-  EXIST. SIGNAL HEAD, PEDESTRIAN
-  EXIST. SIGNAL POST
-  EXIST. WOOD POLE
-  CONDUIT
-  PROPOSED CONCRETE SURFACE REMOVAL AND REPLACEMENT
-  PROP. HANDHOLE
-  PROP. CONTROLLER
-  PROP. STEEL MAST ARM
-  PROP. PEDESTRIAN PUSHBUTTON DETECTOR
-  PROP. SIGNAL HEAD
-  PROP. SIGNAL HEAD WITH BACKPLATE
-  PROP. SIGNAL HEAD, PEDESTRIAN
-  PROP. SIGNAL POST
-  PROP. WOOD POLE



**BILL OF MATERIALS**  
NB IL 50 (HARRISON) AT STATION ST - SE QUAD

ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	100
SIDEWALK REMOVAL	SQ FT	100
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	12
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE 1	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	0.25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	0.25
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	287
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	310
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	161
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	173
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	931
PEDESTRIAN PUSH-BUTTON	EACH	2
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	383
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
REMOVE SIGN PANEL - TYPE 1	SQ FT	6
INSTALL SIGN PANEL - TYPE 2	SQ FT	12.5

HARRISON AVENUE

STATION STREET

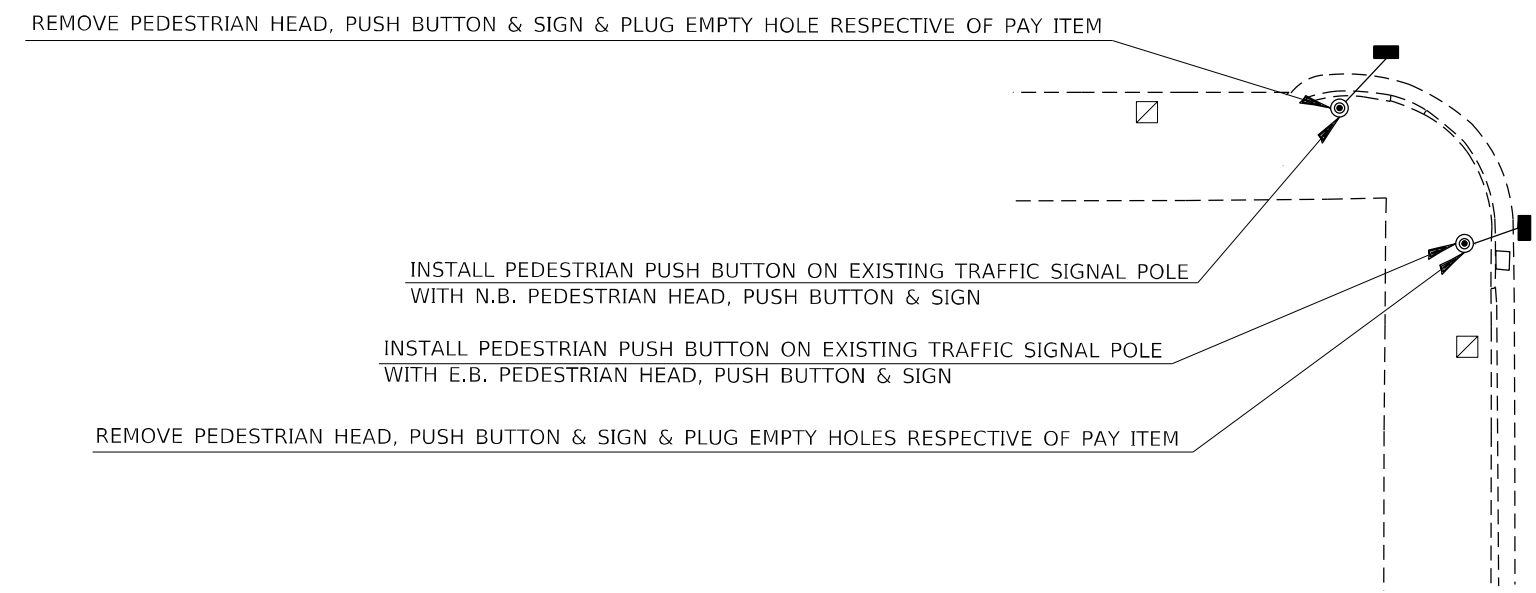
TRAFFIC SIGNALS LEGEND

- ◻ EXIST. HANDHOLE
- ◻ EXIST. CONTROLLER
- EXIST. STEEL MAST ARM
- ⊙ EXIST. PEDESTRIAN PUSHBUTTON DETECTOR
- ▽ EXIST. SIGNAL HEAD
- ▽ EXIST. SIGNAL HEAD WITH BACKPLATE
- ⊥ EXIST. SIGNAL HEAD, PEDESTRIAN
- EXIST. SIGNAL POST
- ⊗ EXIST. WOOD POLE
- — CONDUIT
- ◻ PROPOSED CONCRETE SURFACE REMOVAL AND REPLACEMENT
- ◻ PROP. HANDHOLE
- ◻ PROP. CONTROLLER
- PROP. STEEL MAST ARM
- ⊙ PROP. PEDESTRIAN PUSHBUTTON DETECTOR
- ▶ PROP. SIGNAL HEAD
- ▶ PROP. SIGNAL HEAD WITH BACKPLATE
- ⊥ PROP. SIGNAL HEAD, PEDESTRIAN
- PROP. SIGNAL POST
- ⊗ PROP. WOOD POLE



STATION STREET

HARRISON AVENUE



**BILL OF MATERIALS**  
NB IL 50 (HARRISON) AT STATION ST - SW QUAD

ITEM	UNIT	QUANTITY
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	0.25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	0.25
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	460
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	474
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	934
PEDESTRIAN PUSH-BUTTON	EACH	2
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	442
SIGN PANEL - TYPE 1	SQ FT	7.5
REMOVE SIGN PANEL - TYPE 1	SQ FT	7.5
TEMPORARY SIGNING	L SUM	3
THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	20

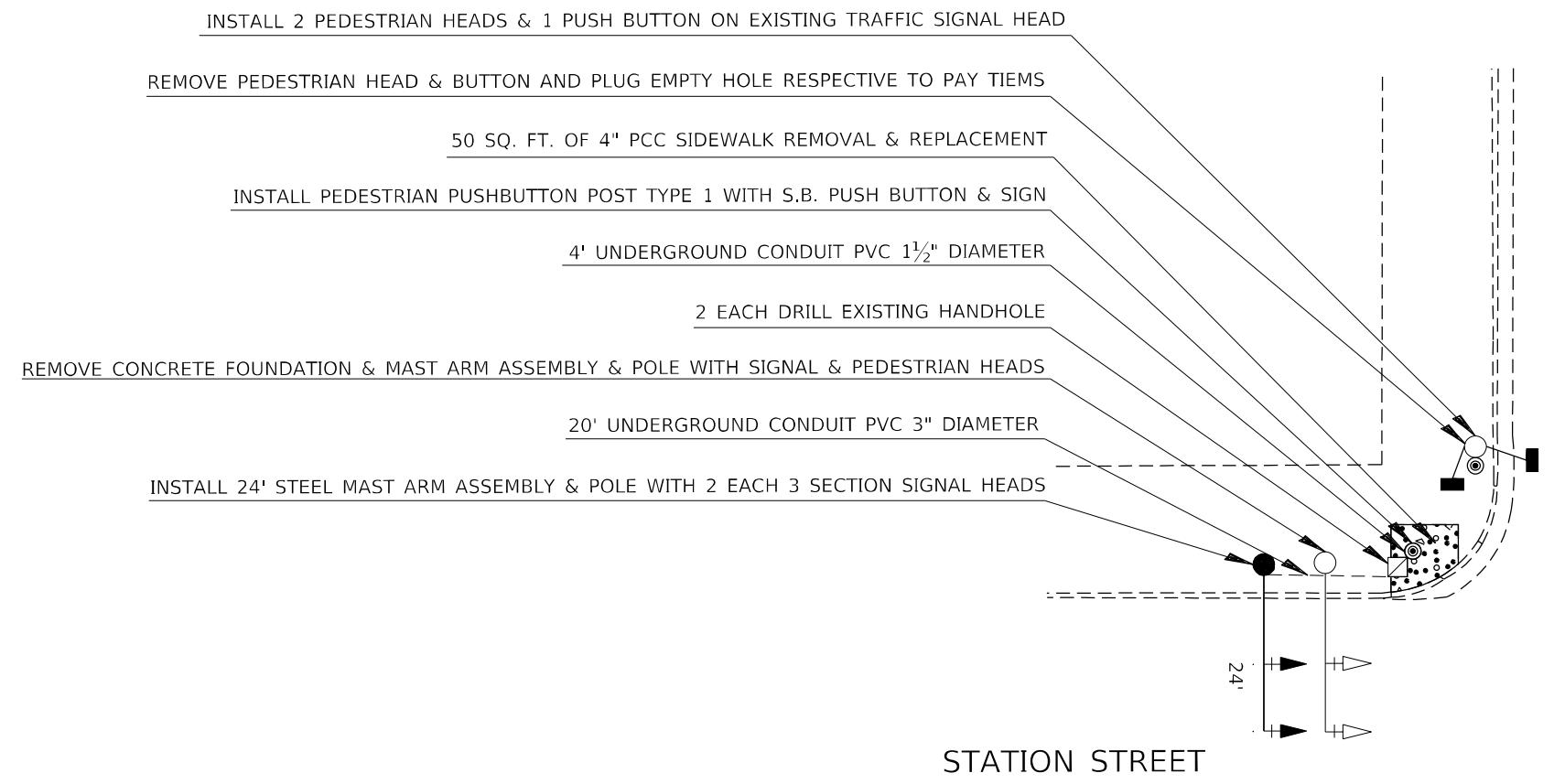


TRAFFIC SIGNALS LEGEND

- ◻ EXIST. HANDHOLE
- ◻ EXIST. CONTROLLER
- EXIST. STEEL MAST ARM
- ⊙ EXIST. PEDESTRIAN PUSHBUTTON DETECTOR
- ▽ EXIST. SIGNAL HEAD
- ▽ EXIST. SIGNAL HEAD WITH BACKPLATE
- ⊥ EXIST. SIGNAL HEAD, PEDESTRIAN
- EXIST. SIGNAL POST
- ⊗ EXIST. WOOD POLE
- CONDUIT
- ◻ PROPOSED CONCRETE SURFACE REMOVAL AND REPLACEMENT
- ◻ PROP. HANDHOLE
- ◻ PROP. CONTROLLER
- PROP. STEEL MAST ARM
- ⊙ PROP. PEDESTRIAN PUSHBUTTON DETECTOR
- PROP. SIGNAL HEAD
- PROP. SIGNAL HEAD WITH BACKPLATE
- ⊥ PROP. SIGNAL HEAD, PEDESTRIAN
- PROP. SIGNAL POST
- ⊗ PROP. WOOD POLE



HARRISON AVENUE

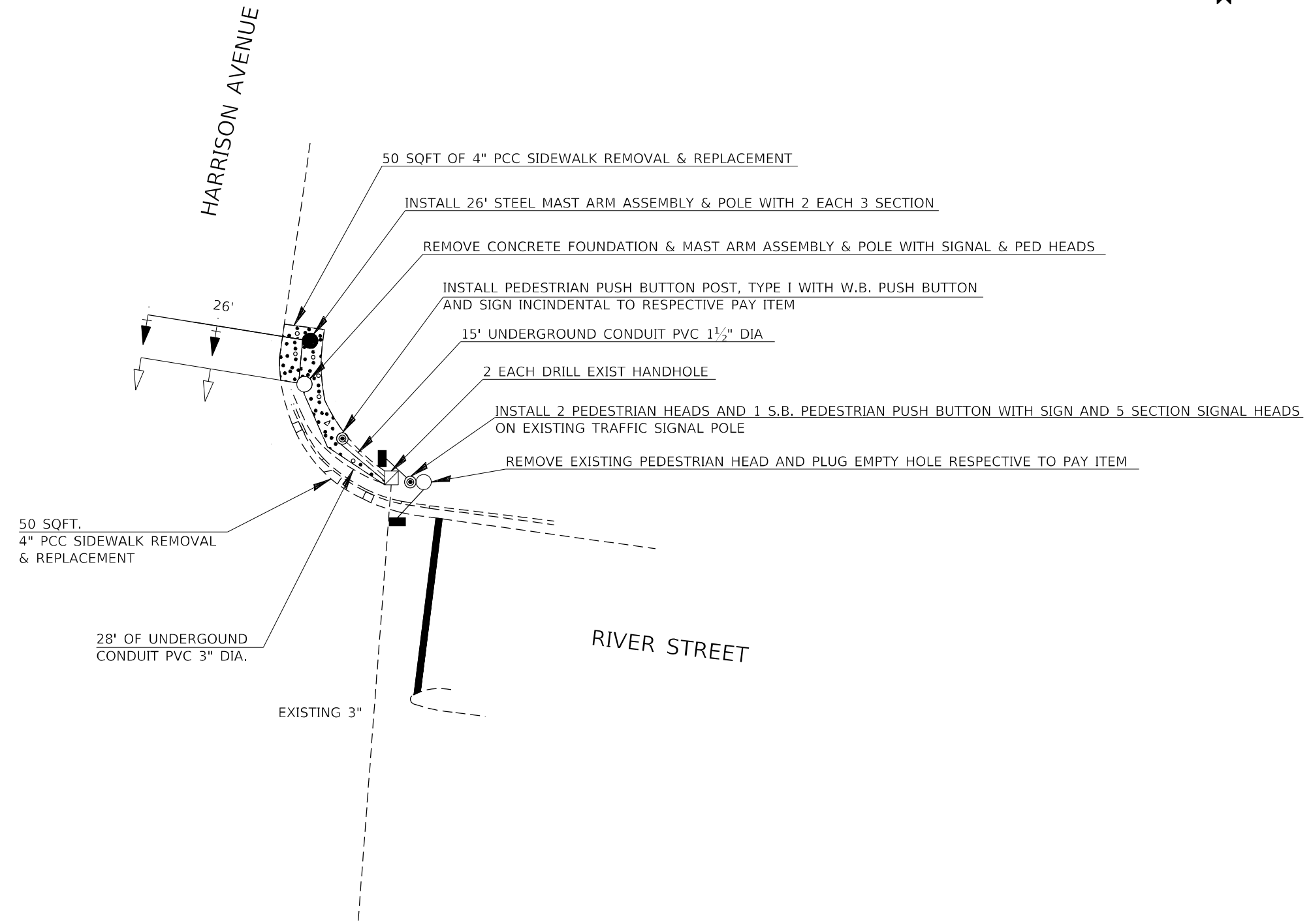


**BILL OF MATERIALS**  
NB IL 50 (HARRISON) AT STATION ST - NW QUAD

ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	50
SIDEWALK REMOVAL	SQ FT	50
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	20
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	4
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN PUSH-BUTTON POST, TYPE 1	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	0.25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	0.25
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	257
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	282
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	342
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	881
PEDESTRIAN PUSH-BUTTON	EACH	2
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	369
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	10
SIGN PANEL - TYPE 1	SQ FT	7.5
REMOVE SIGN PANEL - TYPE 1	SQ FT	6
TEMPORARY SIGNING	L SUM	5
INSTALL SIGN PANEL - TYPE 2	SQ FT	12.5
DETECTABLE WARNINGS	SQ FT	12

TRAFFIC SIGNALS LEGEND

- ◻ EXIST. HANDHOLE
- ◻ EXIST. CONTROLLER
- EXIST. STEEL MAST ARM
- ⊙ EXIST. PEDESTRIAN PUSHBUTTON DETECTOR
- ▽ EXIST. SIGNAL HEAD
- ▽ EXIST. SIGNAL HEAD WITH BACKPLATE
- ⊥ EXIST. SIGNAL HEAD, PEDESTRIAN
- EXIST. SIGNAL POST
- ⊗ EXIST. WOOD POLE
- CONDUIT
- ◻ PROPOSED CONCRETE SURFACE REMOVAL AND REPLACEMENT
- ◻ PROP. HANDHOLE
- ◻ PROP. CONTROLLER
- PROP. STEEL MAST ARM
- ⊙ PROP. PEDESTRIAN PUSHBUTTON DETECTOR
- PROP. SIGNAL HEAD
- PROP. SIGNAL HEAD WITH BACKPLATE
- ⊥ PROP. SIGNAL HEAD, PEDESTRIAN
- PROP. SIGNAL POST
- ⊗ PROP. WOOD POLE

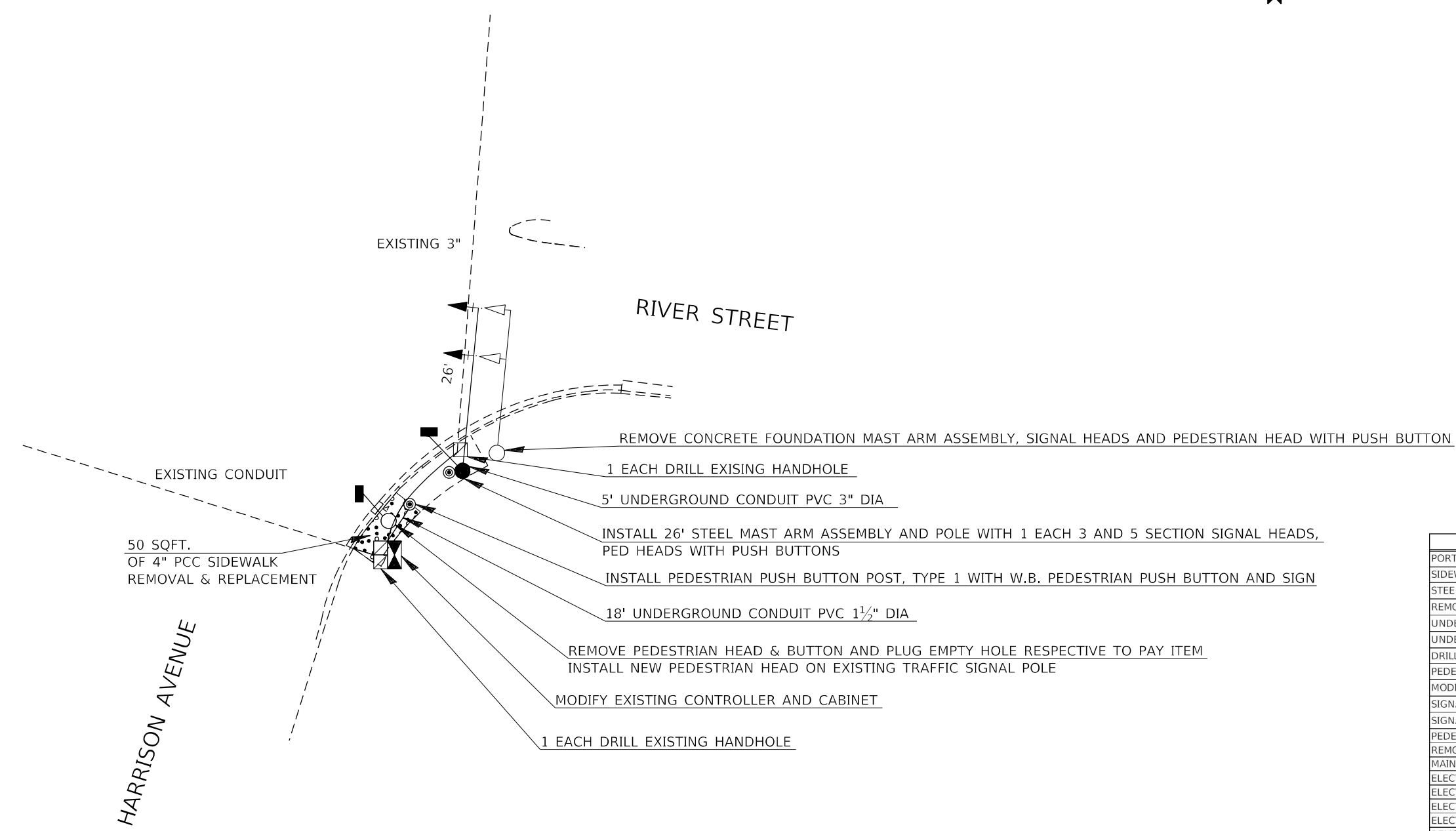


BILL OF MATERIALS  
NB IL 50 (HARRISON) AT RIVER ST - NE QUADRANT

ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	100
SIDEWALK REMOVAL	SQ FT	100
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	28
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	15
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN PUSH-BUTTON POST, TYPE I	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	0.25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	0.25
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	297
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	311
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	388
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	144
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1140
PEDESTRIAN PUSH-BUTTON	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	279
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	11
TEMPORARY SIGNING	L SUM	5
THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	20
DETECTABLE WARNINGS	SQ FT	6

TRAFFIC SIGNALS LEGEND

- ◻ EXIST. HANDHOLE
- ◻ EXIST. CONTROLLER
- EXIST. STEEL MAST ARM
- ⊙ EXIST. PEDESTRIAN PUSHBUTTON DETECTOR
- ▷ EXIST. SIGNAL HEAD
- ▷+ EXIST. SIGNAL HEAD WITH BACKPLATE
- ◻ EXIST. SIGNAL HEAD, PEDESTRIAN
- EXIST. SIGNAL POST
- ⊗ EXIST. WOOD POLE
- CONDUIT
- ◻ PROPOSED CONCRETE SURFACE REMOVAL AND REPLACEMENT
- ◻ PROP. HANDHOLE
- ◻ PROP. CONTROLLER
- PROP. STEEL MAST ARM
- ⊙ PROP. PEDESTRIAN PUSHBUTTON DETECTOR
- ▷ PROP. SIGNAL HEAD
- ▷+ PROP. SIGNAL HEAD WITH BACKPLATE
- ◻ PROP. SIGNAL HEAD, PEDESTRIAN
- PROP. SIGNAL POST
- ⊗ PROP. WOOD POLE

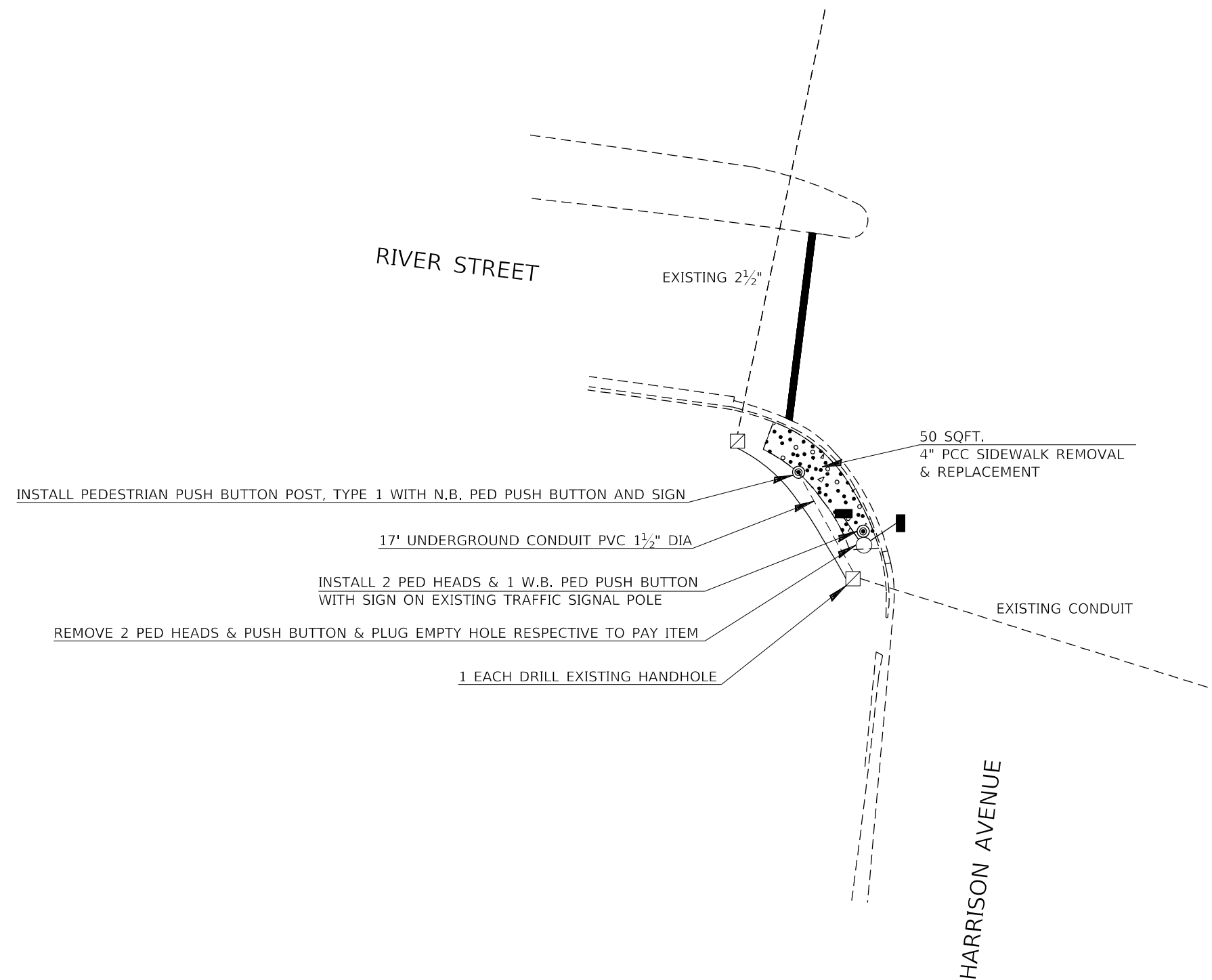


**BILL OF MATERIALS**  
NB IL 50 (HARRISON) AT RIVER ST - SE QUADRANT

ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	50
SIDEWALK REMOVAL	SQ FT	50
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	5
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	18
DRILL EXISTING HANDHOLE	EACH	2
PEDESTRIAN PUSH-BUTTON POST, TYPE 1	EACH	1
MODIFY EXISTING CONTROLLER AND CABINET	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED 1-FACE, BRACKET MOUNTED	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	0.25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	0.25
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	105.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	119.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	86.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	98.5
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	410
PEDESTRIAN PUSH-BUTTON	EACH	2
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	84.5
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	11
REMOVE SIGN PANEL - TYPE 1	SQ FT	6
TEMPORARY SIGNING	L SUM	3
REMOVE AND REINSTALL SIGN PANEL	SQ FT	18
INSTALL SIGN PANEL - TYPE 2	SQ FT	12.5
THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	20
DETECTABLE WARNINGS	SQ FT	6

TRAFFIC SIGNALS LEGEND





















- ◻ EXIST. HANDHOLE
- ⊠ EXIST. CONTROLLER
- EXIST. STEEL MAST ARM
- ⊙ EXIST. PEDESTRIAN PUSHBUTTON DETECTOR
- ▽ EXIST. SIGNAL HEAD
- ▽+ EXIST. SIGNAL HEAD WITH BACKPLATE
- ⊠ EXIST. SIGNAL HEAD, PEDESTRIAN
- EXIST. SIGNAL POST
- ⊗ EXIST. WOOD POLE
- - CONDUIT
- ◻ (with dots) PROPOSED CONCRETE SURFACE REMOVAL AND REPLACEMENT
- ◻ (with square) PROP. HANDHOLE
- ⊠ (with square) PROP. CONTROLLER
- PROP. STEEL MAST ARM
- ⊙ (with square) PROP. PEDESTRIAN PUSHBUTTON DETECTOR
- ▽ (with square) PROP. SIGNAL HEAD
- ▽+ (with square) PROP. SIGNAL HEAD WITH BACKPLATE
- ⊠ (with square) PROP. SIGNAL HEAD, PEDESTRIAN
- PROP. SIGNAL POST
- ⊗ (with square) PROP. WOOD POLE

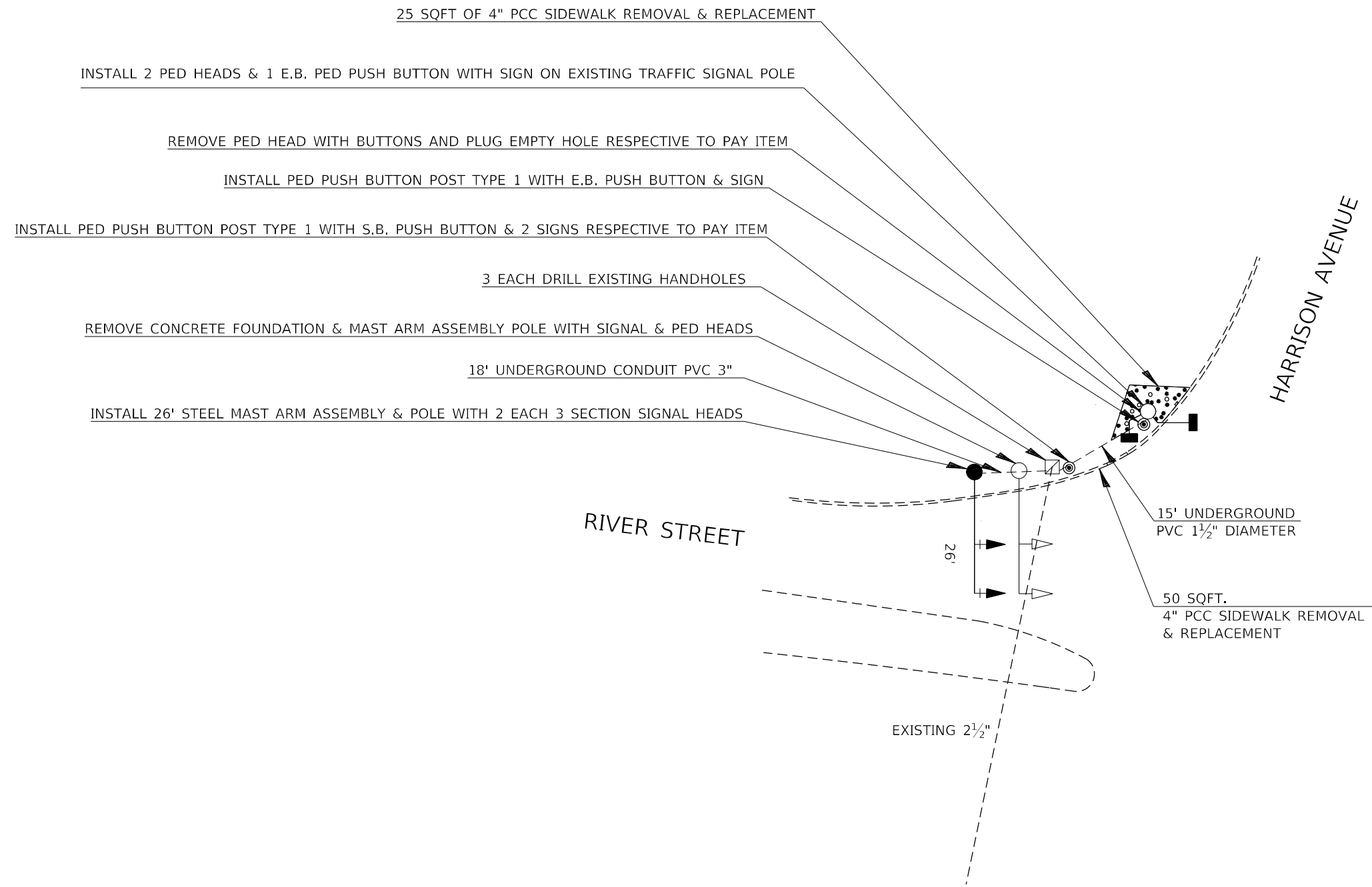


**BILL OF MATERIALS**  
NB IL 50 (HARRISON) AT RIVER ST - SW QUADRANT

ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	50
SIDEWALK REMOVAL	SQ FT	50
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	17
DRILL EXISTING HANDHOLE	EACH	1
PEDESTRIAN PUSH-BUTTON POST, TYPE 1	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	0.25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	0.25
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	187
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	297.5
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	187
PEDESTRIAN PUSH-BUTTON	EACH	2
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	169
TEMPORARY SIGNING	L SUM	5
THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	40

TRAFFIC SIGNALS LEGEND

-  EXIST. HANDHOLE
-  EXIST. CONTROLLER
-  EXIST. STEEL MAST ARM
-  EXIST. PEDESTRIAN PUSHBUTTON DETECTOR
-  EXIST. SIGNAL HEAD
-  EXIST. SIGNAL HEAD WITH BACKPLATE
-  EXIST. SIGNAL HEAD, PEDESTRIAN
-  EXIST. SIGNAL POST
-  EXIST. WOOD POLE
-  CONDUIT
-  PROPOSED CONCRETE SURFACE REMOVAL AND REPLACEMENT
-  PROP. HANDHOLE
-  PROP. CONTROLLER
-  PROP. STEEL MAST ARM
-  PROP. PEDESTRIAN PUSHBUTTON DETECTOR
-  PROP. SIGNAL HEAD
-  PROP. SIGNAL HEAD WITH BACKPLATE
-  PROP. SIGNAL HEAD, PEDESTRIAN
-  PROP. SIGNAL POST
-  PROP. WOOD POLE



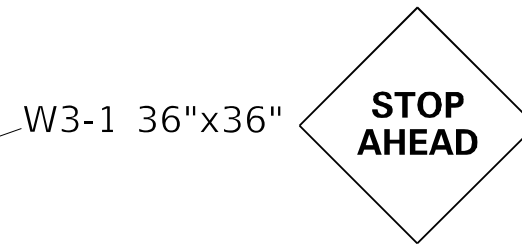
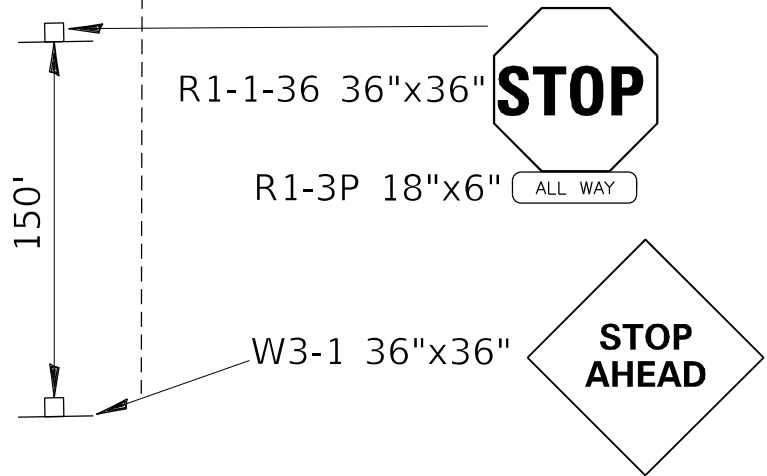
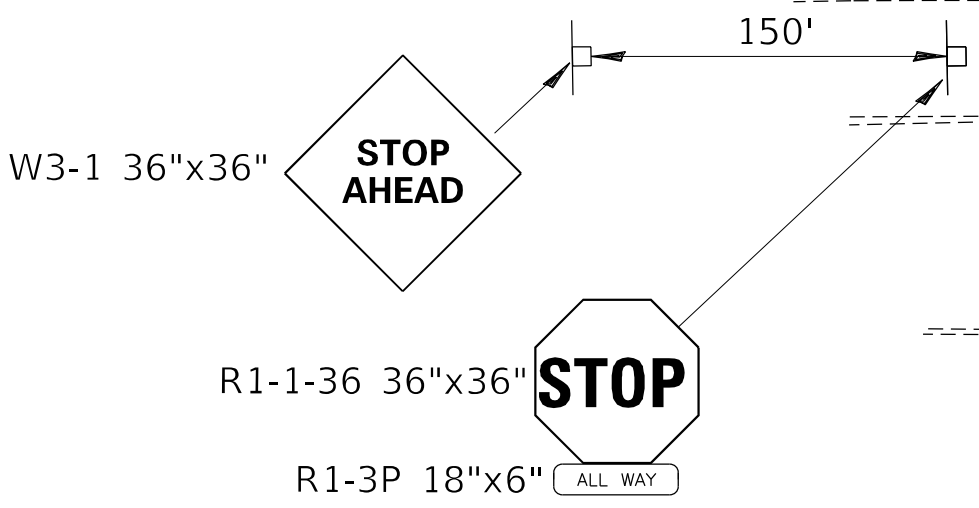
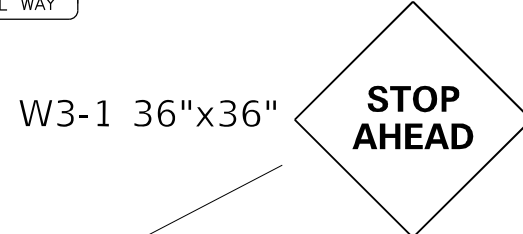
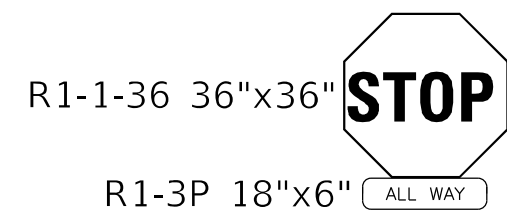
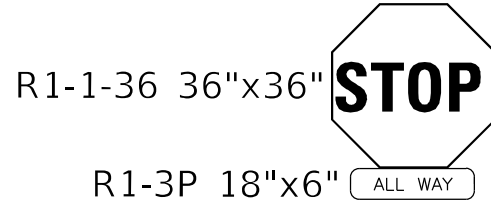
**BILL OF MATERIALS**  
NB IL 50 (HARRISON) AT RIVER ST - NW QUADRANT

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	75
SIDEWALK REMOVAL	SQ FT	75
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	18
UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	15
DRILL EXISTING HANDHOLE	EACH	3
PEDESTRIAN PUSH-BUTTON POST, TYPE 1	EACH	2
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	0.25
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	0.25
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	402
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	416
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	463
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	0
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1281
PEDESTRIAN PUSH-BUTTON	EACH	2
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	384
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	2
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	11
TEMPORARY SIGNING	EACH	5
INSTALL SIGN PANEL - TYPE 2	SQ FT	12.5



HARRISON AVENUE

STATION STREET



150'

150'

150'

FILE NAME =	USER NAME = NOLASCOCJ	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY SIGNAGE PLAN  
FOR HARRISON AVE. & RIVER ST.

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	14
			CONTRACT NO. 66L28	
		ILLINOIS	FED. AID PROJECT	



HARRISON AVENUE

RIVER STREET

R1-1-36 36"x36" **STOP**  
 R1-3P 18"x6" ALL WAY

W3-1 36"x36" **STOP AHEAD**

150'

W3-1 36"x36" **STOP AHEAD**

R1-1-36 36"x36" **STOP**  
 R1-3P 18"x6" ALL WAY

150'

**STOP** R1-1-36 36"x36"  
 ALL WAY R1-3P 18"x6"

150'

W3-1 36"x36" **STOP AHEAD**

FILE NAME =	USER NAME = NOLASCOCJ	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SIGNAGE PLAN  
 FOR HARRISON AVE. & RIVER ST.**

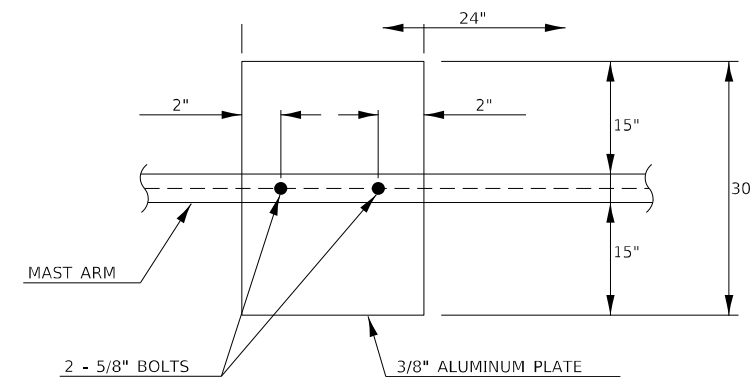
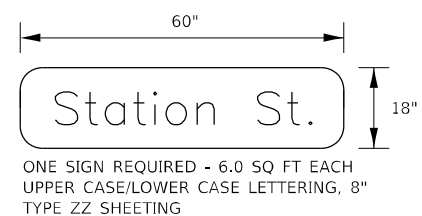
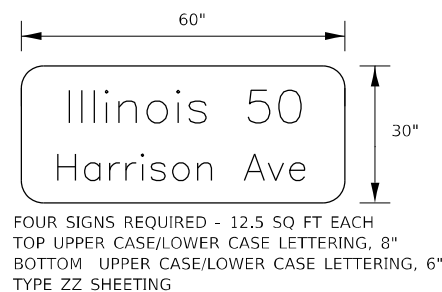
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	15
CONTRACT NO. 66L28				
ILLINOIS FED. AID PROJECT				

SIGN REMOVAL AND REPLACEMENT SCHEDULE						
LOCATION/TYPE	SIZE	QUANTITY	REMOVE SIGN PANEL TYPE 1	SIGN PANEL TYPE 1	SIGN PANEL TYPE 2	REMOVE AND REINSTALL SIGN PANEL
	INCHES	EACH	SQ.FT.	SQ.FT.	SQ.FT.	SQ.FT.
HARRISON AVE & STATION ST. NORTHBOUND MAST ARM						
STATION AVE STREET NAME	48" x 18"	1	6.0			
STATION AVE STREET NAME	60" x 18"	1		7.5		
WESTBOUND MAST ARM						
HARRISON AVE STREET NAME	48" x 18"	1	6.0			
HARRISON AVE / ILLINOIS 50	60" x 30"	1			12.5	
EASTBOUND MAST ARM						
HARRISON AVE STREET NAME	48" x 18"	1	6.0			
HARRISON AVE / ILLINOIS 50	60" x 30"	1			12.5	
N.E. QUADRANT ON PED. POLE ONE WAY	30" x 36"	1	7.5	7.5		
S.W. QUADRANT ON PED. POLE ONE WAY	30" x 36"	1	7.5	7.5		
HARRISON AVE & RIVER ST. NORTHBOUND MAST ARM						
RIVER ST. STREET NAME	48" x 18"	1	6.0	6.0		
WESTBOUND MAST ARM						
HARRISON AVE STREET NAME	48" x 18"	1	6.0			
HARRISON AVE / ILLINOIS 50	60" x 30"	1			12.5	
EASTBOUND MAST ARM						
HARRISON AVE STREET NAME	48" x 18"	1	6.0			
HARRISON AVE / ILLINOIS 50	60" x 30"	1			12.5	
EASTBOUND MAST ARM ON POLE GENERAL SERVICE SIGN MB-1	36" x 36"	1				9.0
EASTBOUND MAST ARM ON POLE GENERAL SERVICE SIGN (WRIGHT HOUSE SIGN)	36" x 36"	1				9.0
<b>TOTAL</b>			45.0	28.5	50.0	18.0

MAST ARM REMOVAL AND REPLACEMENT SCHEDULE						
LOCATION	MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
HARRISON AVE & STATION ST.						
NORTHBOUND MAST ARM	32'	11'	36"	30"	12	7
WESTBOUND MAST ARM	24'	10'	30"	24"	8	6
EASTBOUND MAST ARM	24'	10'	30"	24"	8	6
HARRISON AVE & RIVER ST.						
NORTHBOUND MAST ARM	26'	12'	30"	24"	8	6
WESTBOUND MAST ARM	26'	12'	30"	24"	8	6
EASTBOUND MAST ARM	26'	9'	30"	24"	8	6

TEMPORARY SIGNAGE SCHEDULE			
LOCATION	STOP SIGN R1-1-36 36" x 36"	ALL WAY SIGN R1-3P 18" x 6"	STOP AHEAD SIGN W3-1 36" x 36"
HARRISON AVE & STATION ST.			
NORTHBOUND	1	1	1
WESTBOUND	2	2	1
EASTBOUND	2	2	1
HARRISON AVE & RIVER ST.			
NORTHBOUND	1	1	1
WESTBOUND	2	2	1
EASTBOUND	2	2	1
<b>TOTAL</b>	10	10	6



R10-12  
24" x 30"  
6 SIGNS REQUIRED - 5 SQ. FT. EACH  
5 SQ. FT. EACH  
TYPE AP SHEETING REQUIRED



R6-2L  
30" x 36"  
2 SIGNS REQUIRED - 7.5 SQ. FT. EACH  
7.5 SQ. FT. EACH  
TYPE AP SHEETING REQUIRED

R10-3E  
9" x 15"  
8 REQUIRED LEFT ARROW

R10-3E  
9" x 15"  
8 REQUIRED RIGHT ARROW



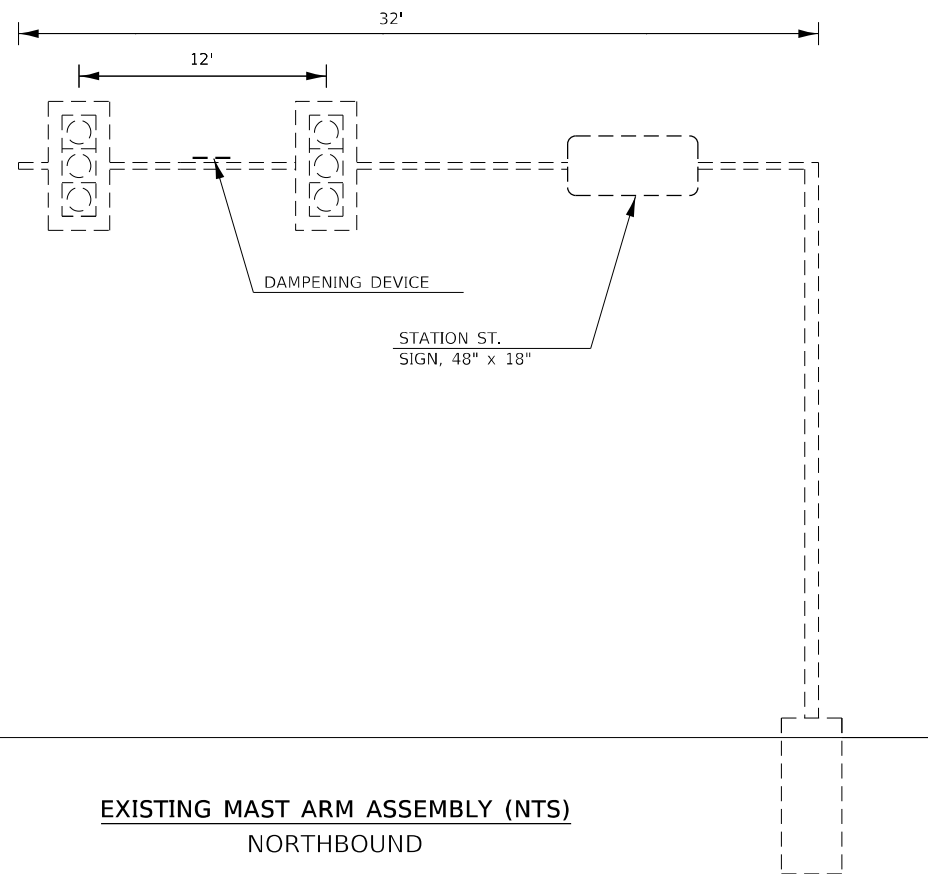
R1-1-36 36"x36"

ALL WAY R1-3P 18"x6"

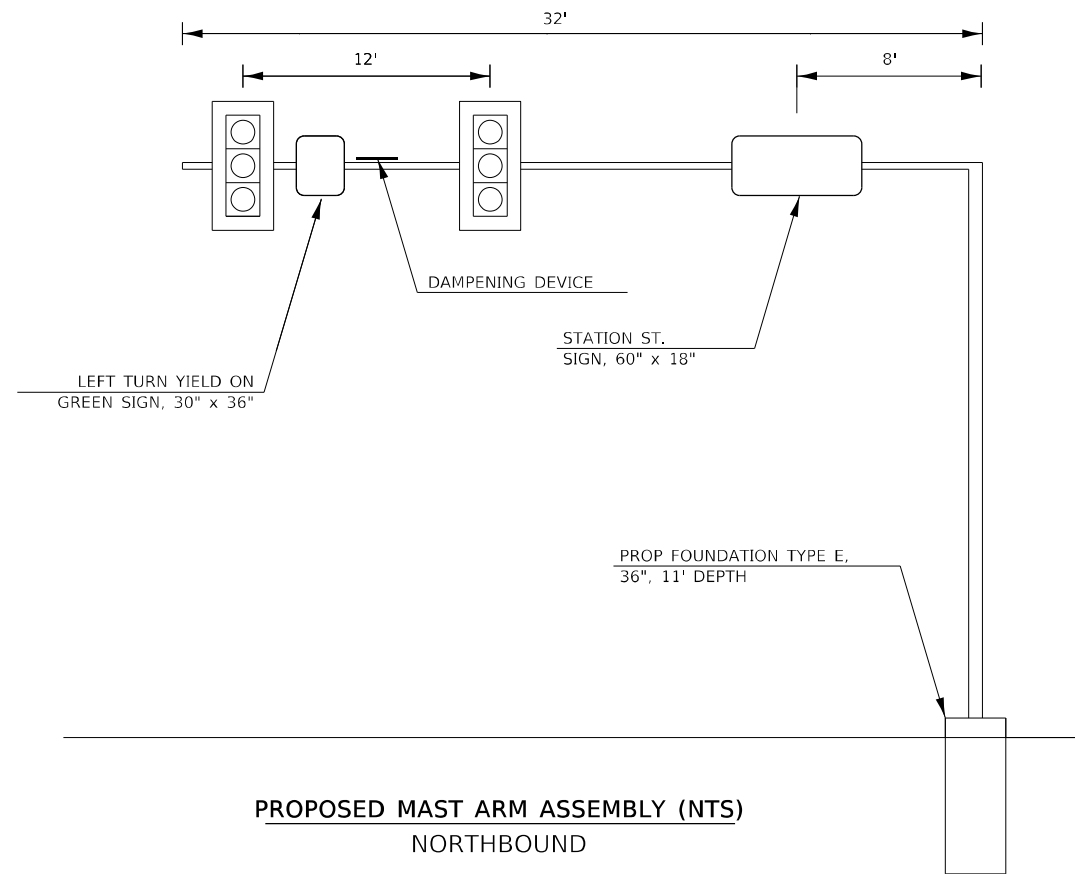
NOTES: ENGINEER SHALL FIELD DETERMINE EXACT LOCATION OF TEMPORARY SIGNAGE PLACEMENT PRIOR TO SIGN PANEL REMOVAL.

EACH COMPLETE SIGN POST SHALL INCLUDE THE SIGN PANELS AS SHOWN. PAYMENT FOR TEMPORARY SIGNAGE SHALL BE FOR EACH COMPLETE SIGN POST.

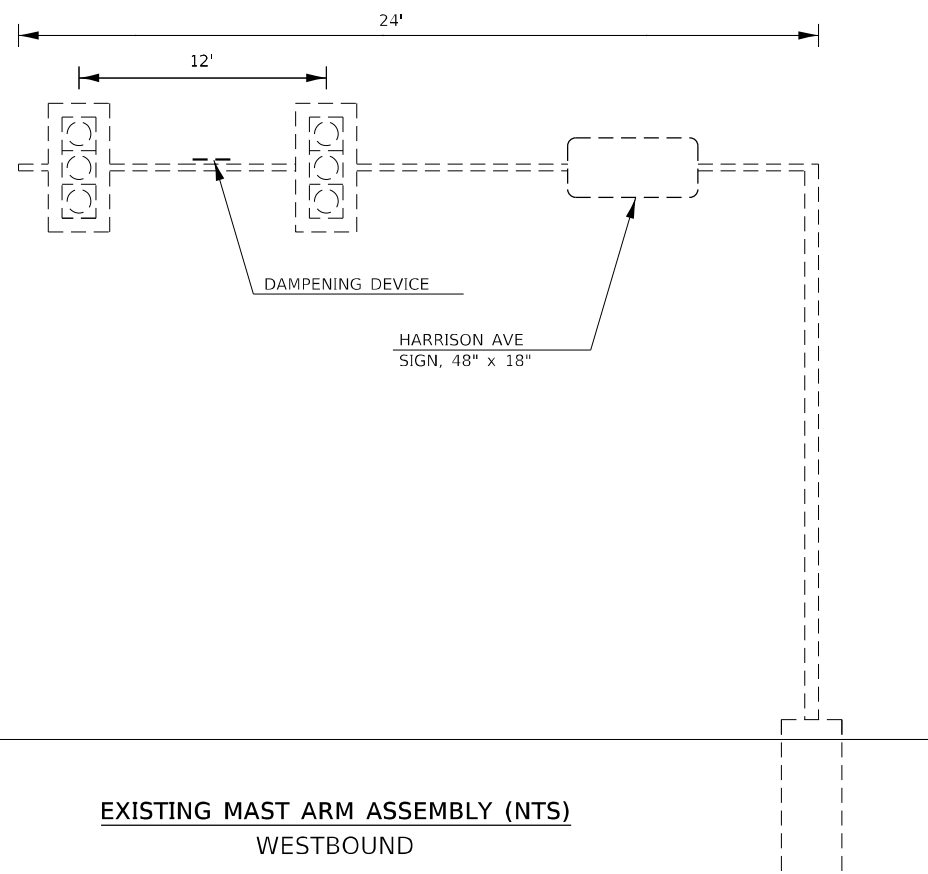




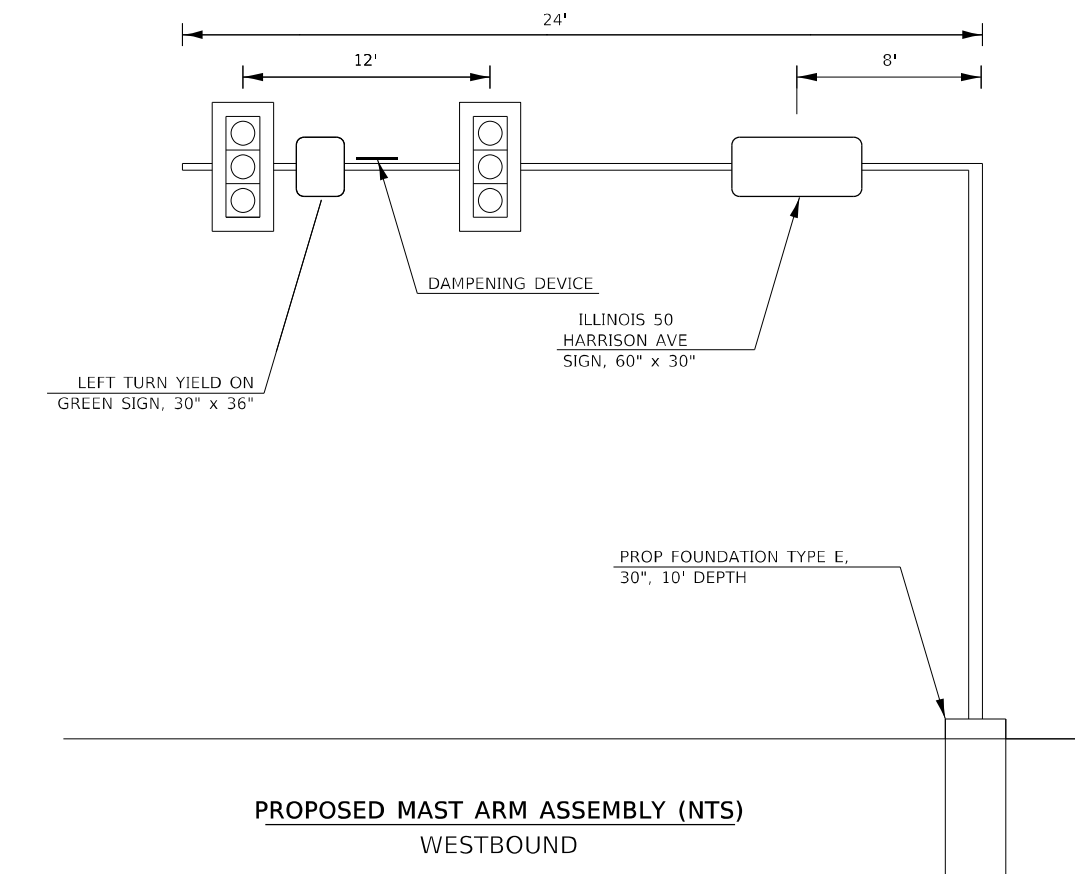
**EXISTING MAST ARM ASSEMBLY (NTS)**  
NORTHBOUND



**PROPOSED MAST ARM ASSEMBLY (NTS)**  
NORTHBOUND



**EXISTING MAST ARM ASSEMBLY (NTS)**  
WESTBOUND



**PROPOSED MAST ARM ASSEMBLY (NTS)**  
WESTBOUND

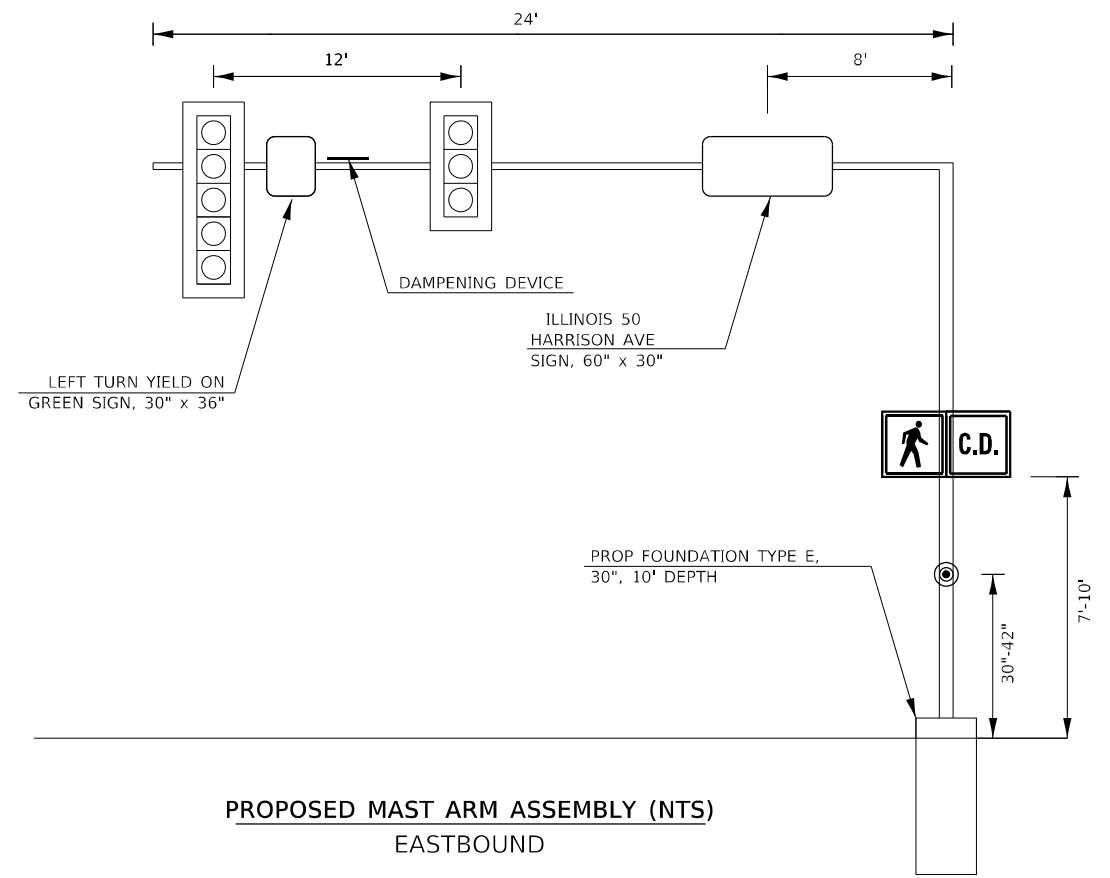
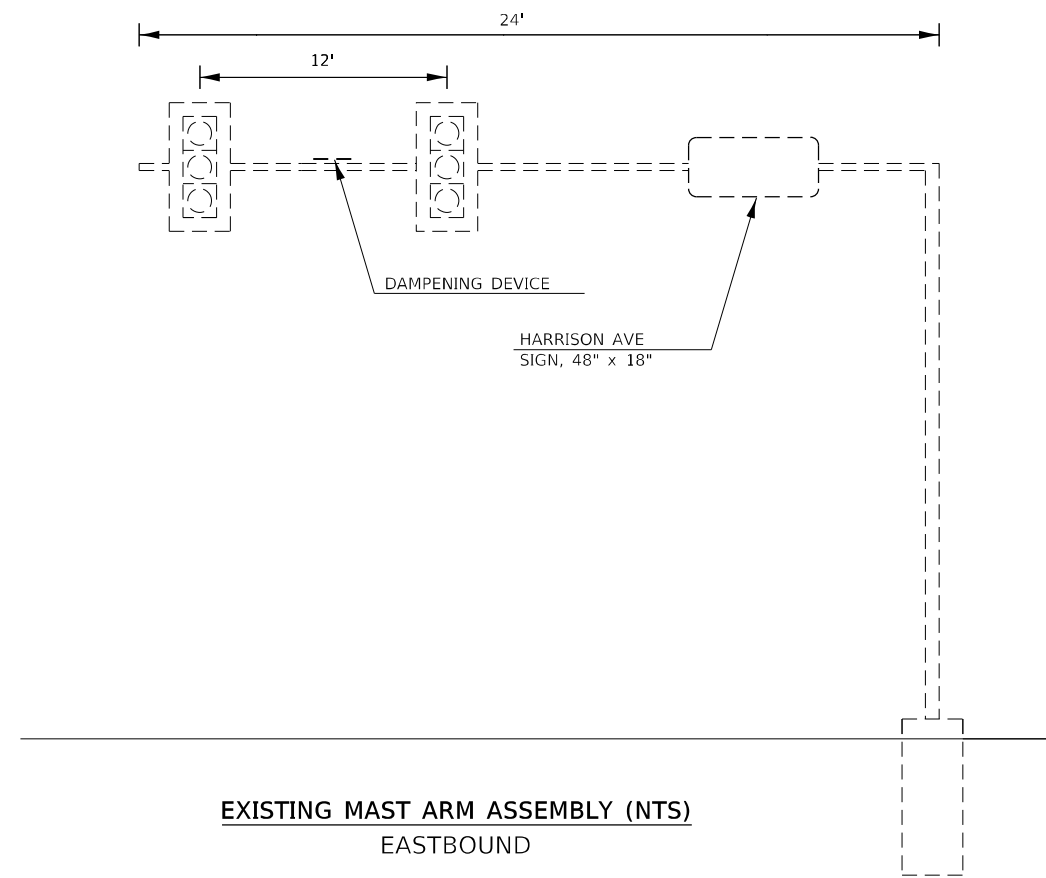
ALL PROPOSED MAST ARMS  
NEED TO MEET  
STANDARD 877001-08

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	PLOT DATE = 1/29/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>HARRISON AVE. &amp; STATION ST. MAST ARM DETAILS</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	17
CONTRACT NO. 66L28				
ILLINOIS FED. AID PROJECT				



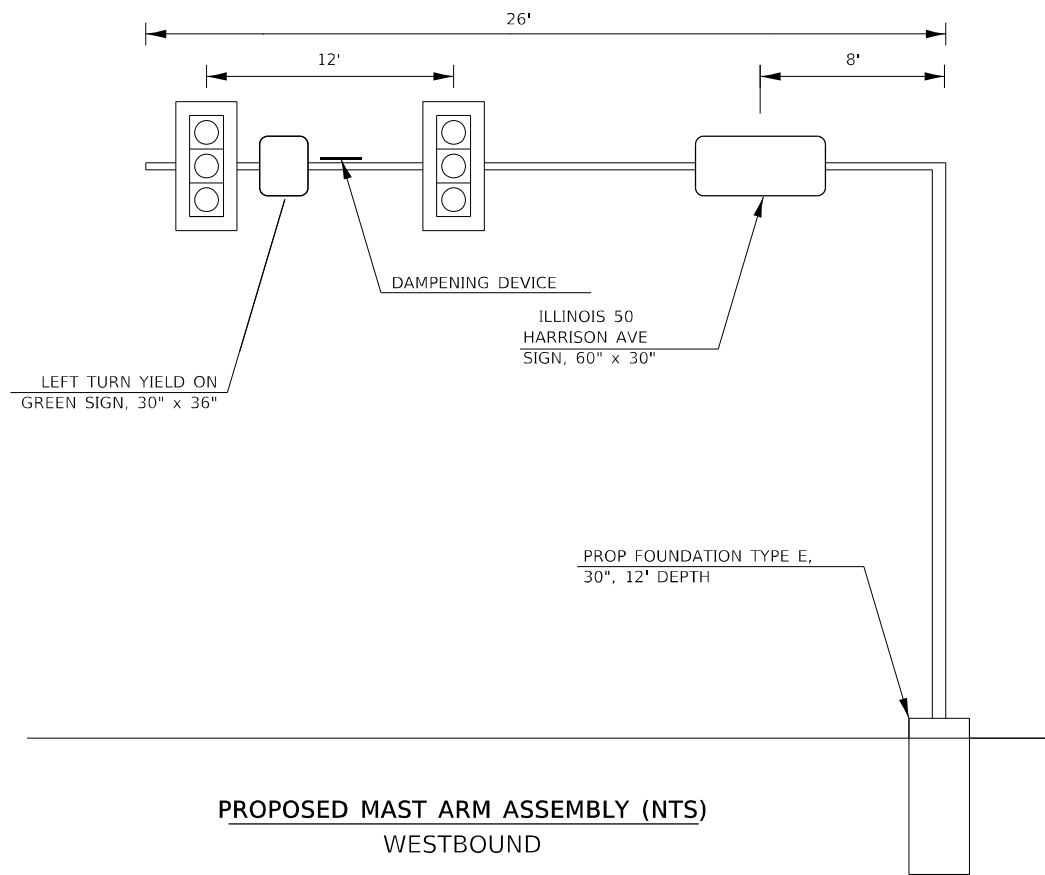
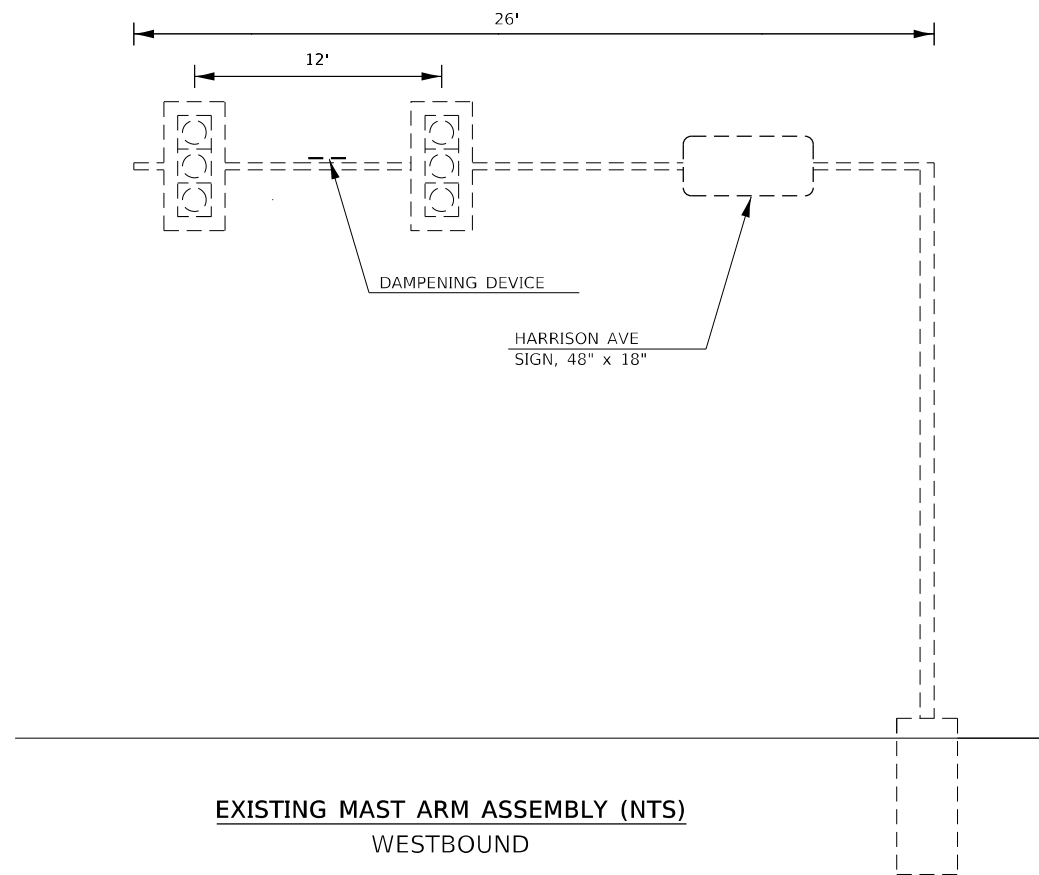
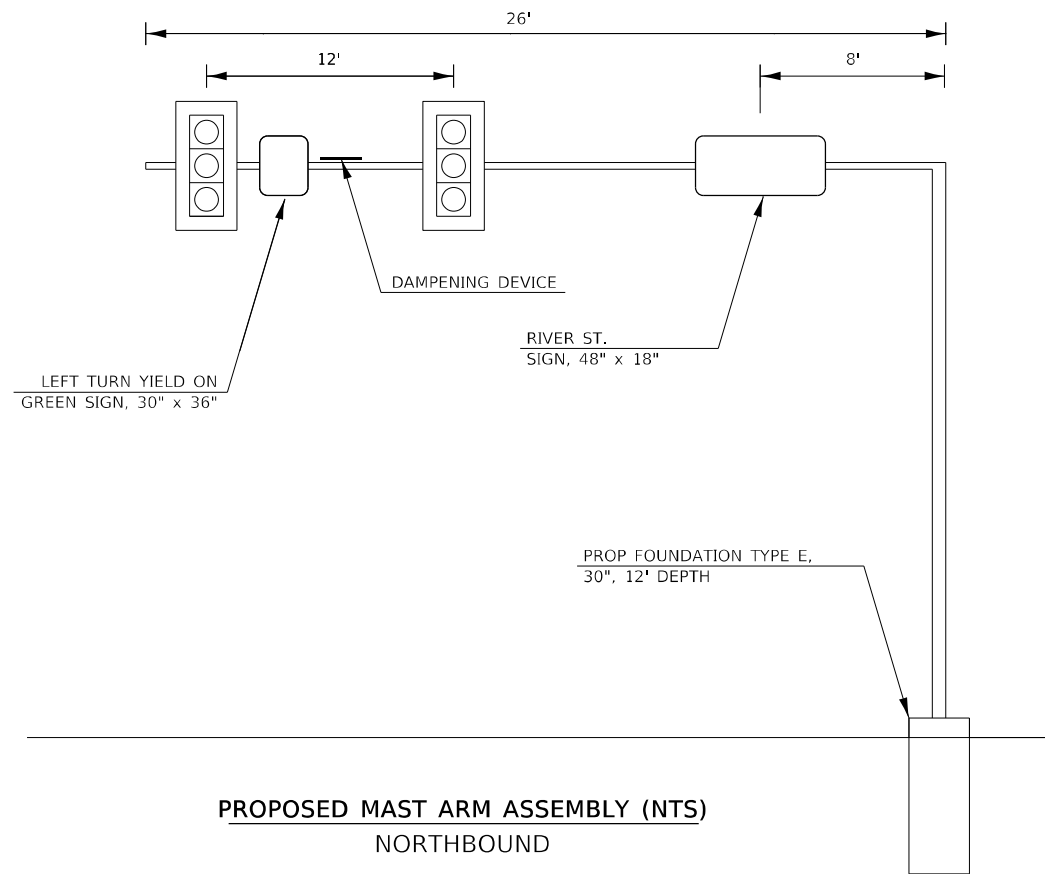
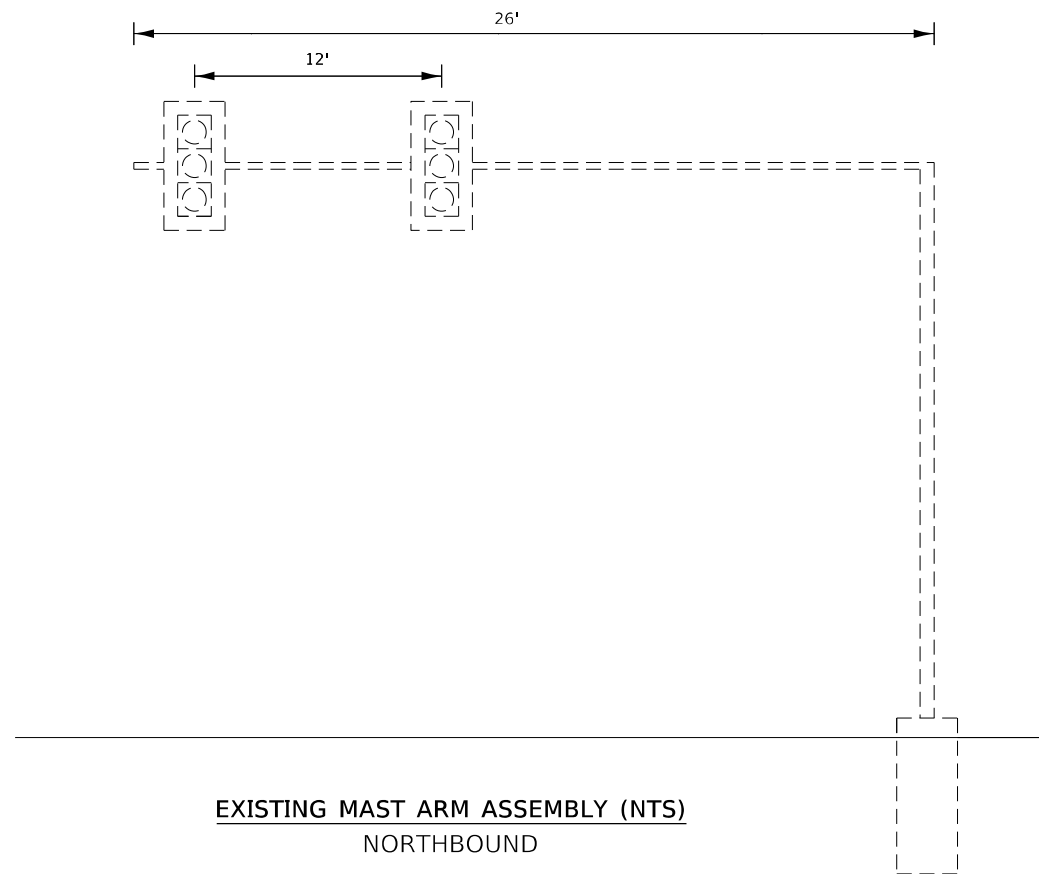
ALL PROPOSED MAST ARMS  
NEED TO MEET  
STANDARD 877001-08

FILE NAME =	USER NAME = NOLASCOCJ	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2021	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>HARRISON AVE. &amp; STATION ST. MAST ARM DETAILS</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	18
CONTRACT NO. 66L28				
ILLINOIS		FED. AID PROJECT		



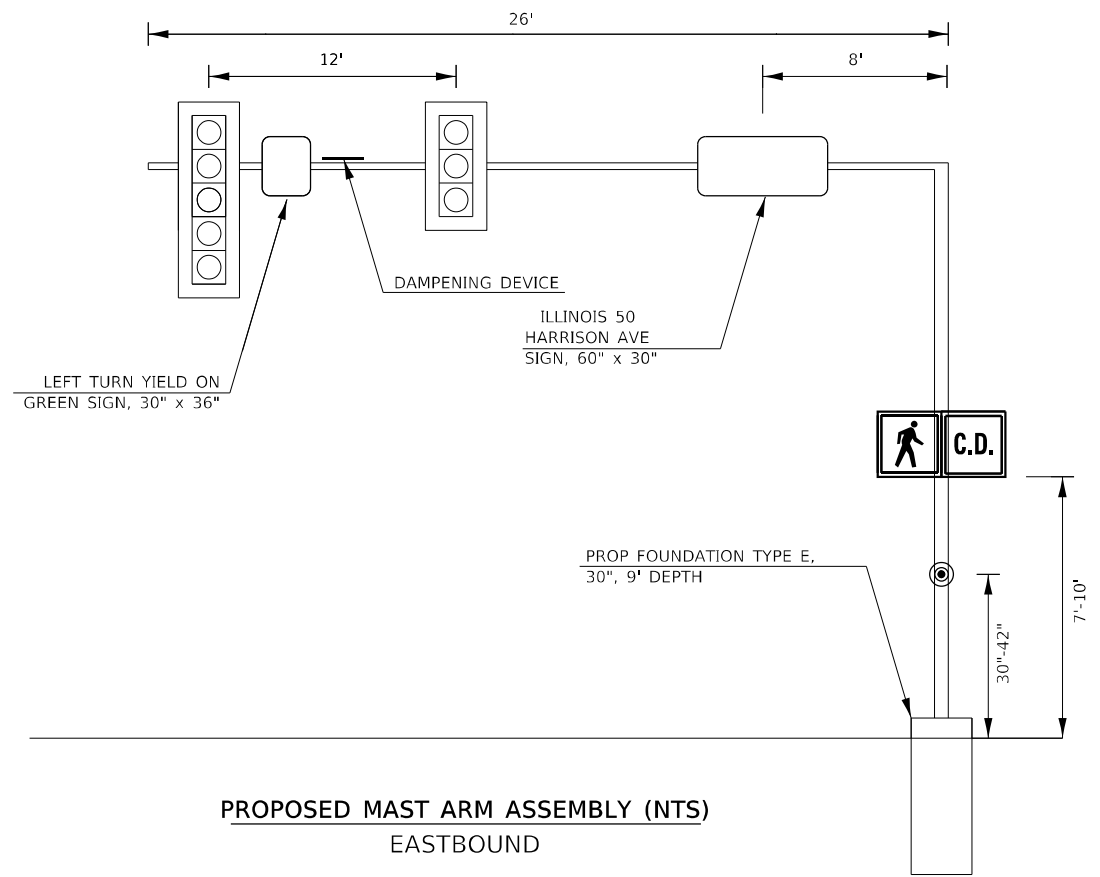
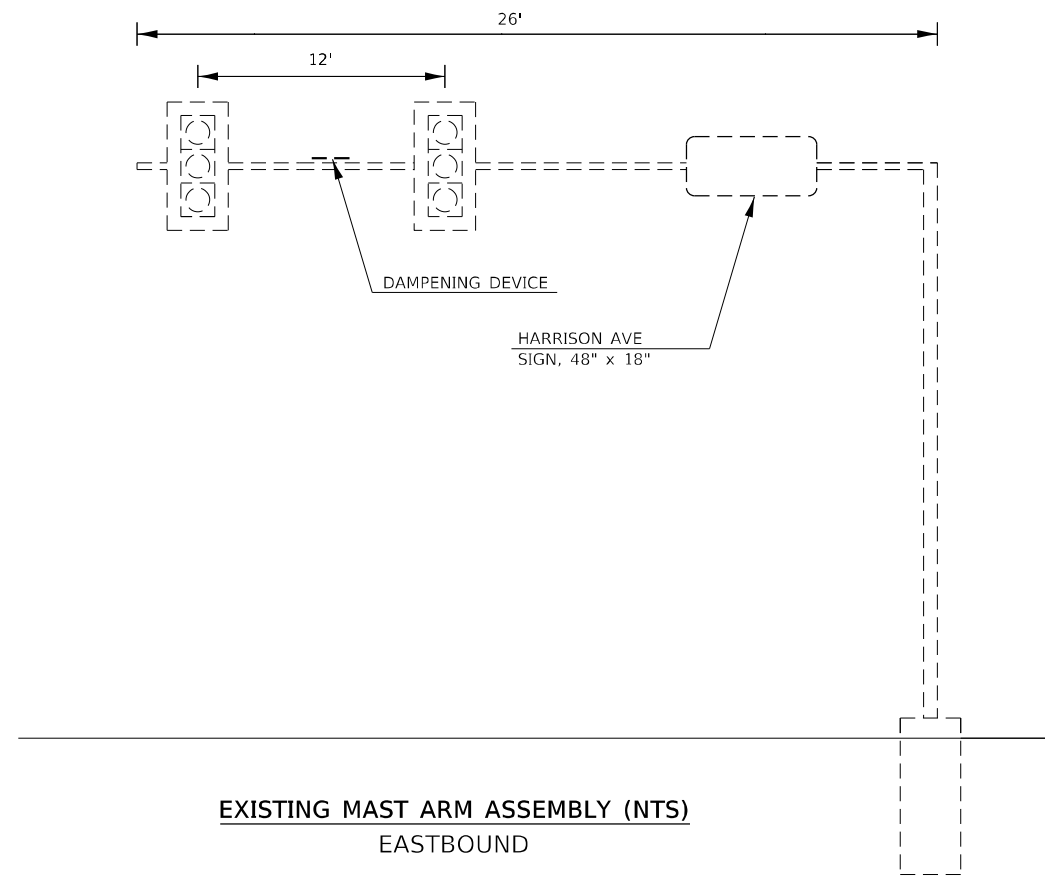
ALL PROPOSED MAST ARMS  
NEED TO MEET  
STANDARD 877001-08

FILE NAME =	USER NAME = NOLASCOCJ	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2021	DATE -	REVISED -

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

<b>HARRISON AVE. &amp; RIVER ST.</b>			
<b>MAST ARM DETAILS</b>			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	19
CONTRACT NO. 66L28				
ILLINOIS FED. AID PROJECT				



ALL PROPOSED MAST ARMS  
NEED TO MEET  
STANDARD 877001-08

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Default	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2021	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HARRISON AVE. & RIVER ST.  
MAST ARM DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	20
			CONTRACT NO. 66L28	
		ILLINOIS	FED. AID PROJECT	





Illinois Department of Transportation  
Division of Highways  
IDOT

### SOIL BORING LOG

Page 1 of 1

Date 9/19/90

ROUTE IL 50 (Harrison Ave) DESCRIPTION IL 50 NB (Harrison Ave) & Station Street in Kankakee LOGGED BY

SECTION LOCATION NW 1/4, SEC. 5, TWP. 30N, RNG. 13W, 2<sup>nd</sup> PM, Latitude Longitude

COUNTY Kankakee DRILLING METHOD Push HAMMER TYPE

STRUCT. NO.	DEPTH	BULGE	UCS	MOIST	Surface Water Elev.
Station	(ft)	(/6")	(tsf)	(%)	ft
BORING NO. 1 (S.E. Quad.)					Stream Bed Elev. ft
Station					Groundwater Elev.: First Encounter ft
Offset					Upon Completion ft
Ground Surface Elev. ft					After Hrs. ft
Dark Brown Dry Crumbly Silty Clay Loam To Loam					
				7	
	-5		0.7 P	23	
Light Brown Well Graded Sand				7	
Brown Sand and Fine Gravel				16	
Silty Clay Till & Gravel Mix			1.0 P	19	
	-10				
Push Refusal at 10.5' End of Boring			2.5 P	21	
	-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  
IDOT

### SOIL BORING LOG

Page 1 of 1

Date 9/19/90

ROUTE IL 50 (Harrison Ave) DESCRIPTION IL 50 NB (Harrison Ave) & Station Street in Kankakee LOGGED BY

SECTION LOCATION NW 1/4, SEC. 5, TWP. 30N, RNG. 13W, 2<sup>nd</sup> PM, Latitude Longitude

COUNTY Kankakee DRILLING METHOD Push HAMMER TYPE

STRUCT. NO.	DEPTH	BULGE	UCS	MOIST	Surface Water Elev.
Station	(ft)	(/6")	(tsf)	(%)	ft
BORING NO. 2 (N.W. Quad.)					Stream Bed Elev. ft
Station					Groundwater Elev.: First Encounter ft
Offset					Upon Completion ft
Ground Surface Elev. ft					After Hrs. ft
Dry Crumbly Brown Loam					
				0.7-2.5 P	23
Brown, Yellow / Brown, Gray Silty Clay Loam to Silty Loam	-5				
Brown Till / Gravel Mix			3.5 P	14	
	-10				
Push Refusal at 10.5' 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)



# SOIL BORING LOG

Date 9/19/90

ROUTE IL 50 (Harrison Ave) DESCRIPTION IL 50 NB (Harrison Ave) & Station Street in Kankakee LOGGED BY \_\_\_\_\_  
 SECTION \_\_\_\_\_ LOCATION NW 1/4, SEC. 5, TWP. 30N, RNG. 13W, 2<sup>nd</sup> PM.  
 COUNTY Kankakee DRILLING METHOD Push HAMMER TYPE \_\_\_\_\_

STRUCT. NO.	DEPTH	BULGE	UCS	MOIST	Surface Water Elev.
Station	(ft)	(/6")	(tsf)	(%)	ft
4" Concrete, Sand Bedding					
Dark Brown Silty Clay			<0.5 P	12	
Black Silty Clay			0.7 P	38	
Brown Silty Clay			1.0 P	21	
Brown Silt			<0.2 P	23	
Brown Silty Clay					
Yellow / Brown, Gray Silt			1.0 P	24	
Brown / Gray Silty Clay	-10		1.2 P	21	
Brown / Gray Fine Sand				7	
Push Refusal at 10.5' End of Boring					

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)



# SOIL BORING LOG

Date 9/19/90

ROUTE IL 50 (Harrison Ave) DESCRIPTION IL 50 NB (Harrison Ave) & Station Street in Kankakee LOGGED BY \_\_\_\_\_  
 SECTION \_\_\_\_\_ LOCATION NW 1/4, SEC. 5, TWP. 30N, RNG. 13W, 2<sup>nd</sup> PM.  
 COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE \_\_\_\_\_

STRUCT. NO.	DEPTH	BULGE	UCS	MOIST	Surface Water Elev.
Station	(ft)	(/6")	(tsf)	(%)	ft
Black Topsoil					
Brown Sandy Loam to Sand					
Top of Limestone - Auger Refusal End of Boring					

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)

DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HARRISON AVE. &amp; STATION ST. SOIL BORING LOG</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -				840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	23
CHECKED -	REVISED -				CONTRACT NO. 66L28				
DATE -	REVISED -				ILLINOIS	FED. AID PROJECT			



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

# SOIL BORING LOG

Page 1 of 1

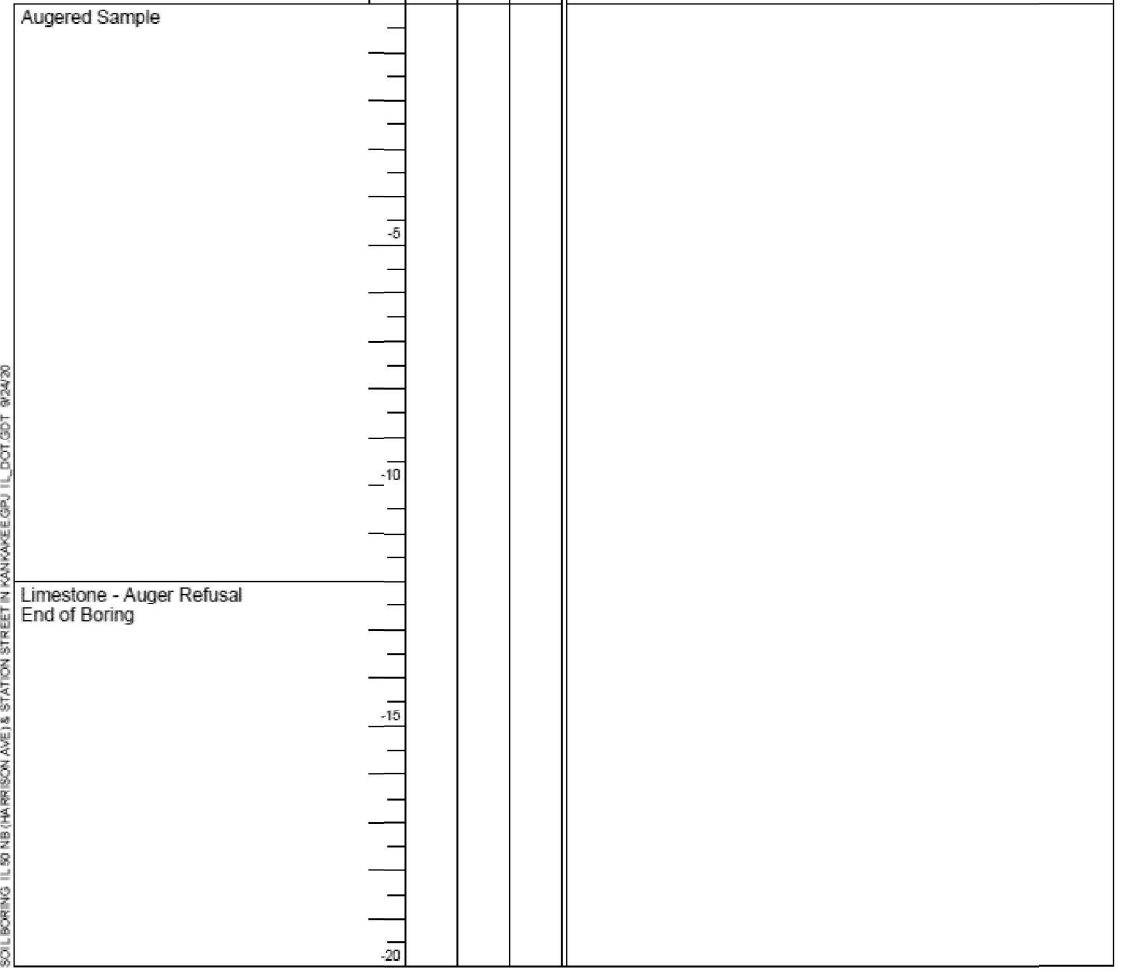
Date 9/19/90

ROUTE IL 50 (Harrison Ave) DESCRIPTION IL 50 NB (Harrison Ave) & Station Street in Kankakee LOGGED BY \_\_\_\_\_

SECTION \_\_\_\_\_ LOCATION NW 1/4, SEC. 5, TWP. 30N, RNG. 13W, 2<sup>nd</sup> PM,  
Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

COUNTY Kankakee DRILLING METHOD Hollow Stem Auger HAMMER TYPE \_\_\_\_\_

STRUCT. NO. _____	D E P T H	B L O W S	U C S Q u	M O I S T	Surface Water Elev. _____ ft
Station _____					Stream Bed Elev. _____ ft
BORING NO. <u>5 (N.E. Quad.)</u>					Groundwater Elev.:
Station _____					First Encounter _____ ft
Offset _____					Upon Completion _____ ft
Ground Surface Elev. _____ ft	(ft)	(/6")	(tsf)	(%)	After _____ Hrs. _____ ft



SOIL BORING - IL 00 NB (HARRISON AVE) & STATION STREET IN KANKAKEE GRU IL DOT (DOT #2420)

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)**

DESIGNED -	REVISÉD -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HARRISON AVE. &amp; STATION ST. SOIL BORING LOG</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
DRAWN -	REVISÉD -		SCALE:	SHEET OF SHEETS	STA.	TO STA.	840A	SIGNAL MAST ARM REP 2021-01	KANKAKEE	24	24
CHECKED -	REVISÉD -						CONTRACT NO. 66L28				
DATE -	REVISÉD -						ILLINOIS FED. AID PROJECT				