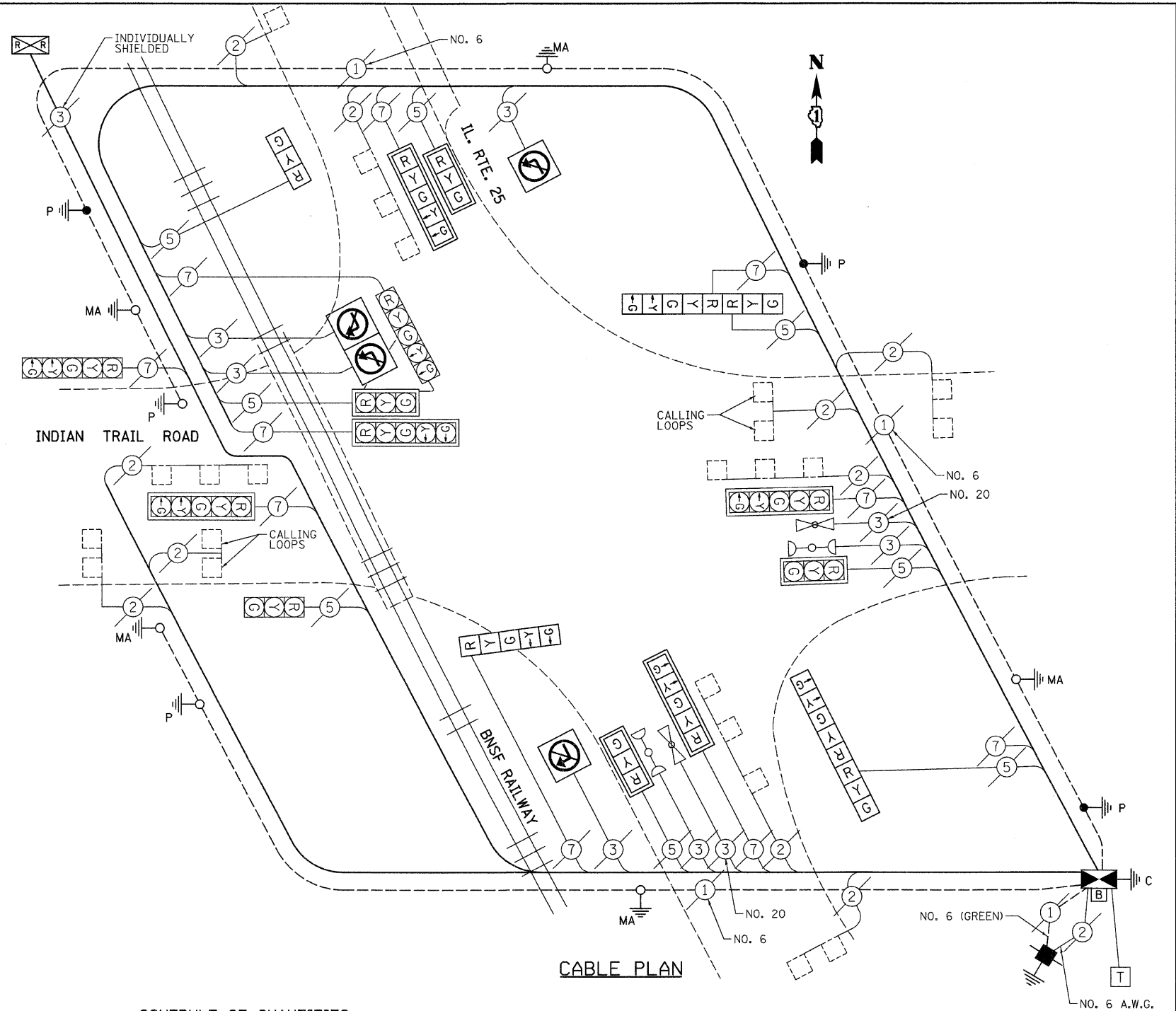


CABLE PLAN LEGEND

- | | | |
|-----------------|-----------------|---|
| EXISTING | PROPOSED | |
| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | TELEPHONE CONNECTION |
| | | MAGNETIC DETECTOR |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PUSH-BUTTON DETECTOR |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED, ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| | | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F |
| | | SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD |
| | | RAILROAD CONTROL CABINET |
| | | ILLUMINATED SIGN "NO LEFT TURN" |
| | | ILLUMINATED SIGN "NO RIGHT TURN" |
| | | GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C) |
| | | GROUND ROD AT POST (P), OR MAST ARM POLE (MA) |
| | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | UNINTERRUPTIBLE POWER SUPPLY |

NOTE:
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE".



CABLE PLAN

SCHEDULE OF QUANTITIES

- MOBILIZATION
- TRAFFIC CONTROL AND PROTECTION, STANDARD 701701
- RELOCATE SIGN PANEL, TYPE 1
- FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
- TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
- TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
- SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
- SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
- SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
- SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
- SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
- TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
- ILLUMINATED SIGN, LED
- RELOCATE EXISTING SIGNAL HEAD
- REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
- TEMPORARY INFORMATION SIGNING
- REMOVE EXISTING SERVICE INSTALLATION
- RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM 1/2 LEVEL II (per Intersection)
- SERVICE INSTALLATION, POLE MOUNT
- ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
- UNINTERRUPTIBLE POWER SUPPLY

L SUM	0.2
L SUM	0.2
SQ FT	10
EACH	1
EACH	1
EACH	2
EACH	2
EACH	1
EACH	1
EACH	2
EACH	2
EACH	4
EACH	1
EACH	1
EACH	1
SQ FT	1
EACH	1
EACH	1
EACH	1
EACH	1
FOOT	294
EACH	1

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. LED	%OPERATION	
SIGNAL (RED)	18	135 17	0.50	153
(YELLOW)	18	135 25	0.25	112.5
(GREEN)	18	135 15	0.25	67.5
ARROW	20	135 12	0.10	24
PED. SIGNAL		90 25	1.00	
CONTROLLER	1	100 100	1.00	100
ILLUM. SIGN	4	84	0.05	16.8
FLASHER			0.50	
ENERGY COSTS TO:			TOTAL =	473.8

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.0 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20.0 (6.0)
E - M. ARM POLE		SIGNAL POST	0 (0.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	0 (0.0)	PED. PUSH-BUTTON	6 (2.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	13 (4.0)

FILE NAME = \MICROST\352069\IL 25 @ IND TR CAB.DGN
 USER NAME = JGC
 DESIGNED - KK
 DRAWN - JGC
 CHECKED - BPT
 PLOT SCALE = N.T.S.
 PLOT DATE = 01-23-09

DESIGNED - KK
 DRAWN - JGC
 CHECKED - BPT
 DATE - 1-23-09
 REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES AND CABLE PLAN
IL. ROUTE 25 (AURORA AVE.) AT INDIAN TRAIL ROAD**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

PREPARED BY:
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2503	2009-002 TS	KANE	34	25
CONTRACT NO. 60F99				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				