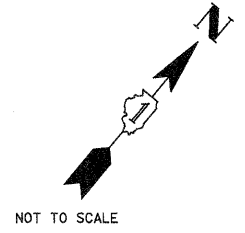
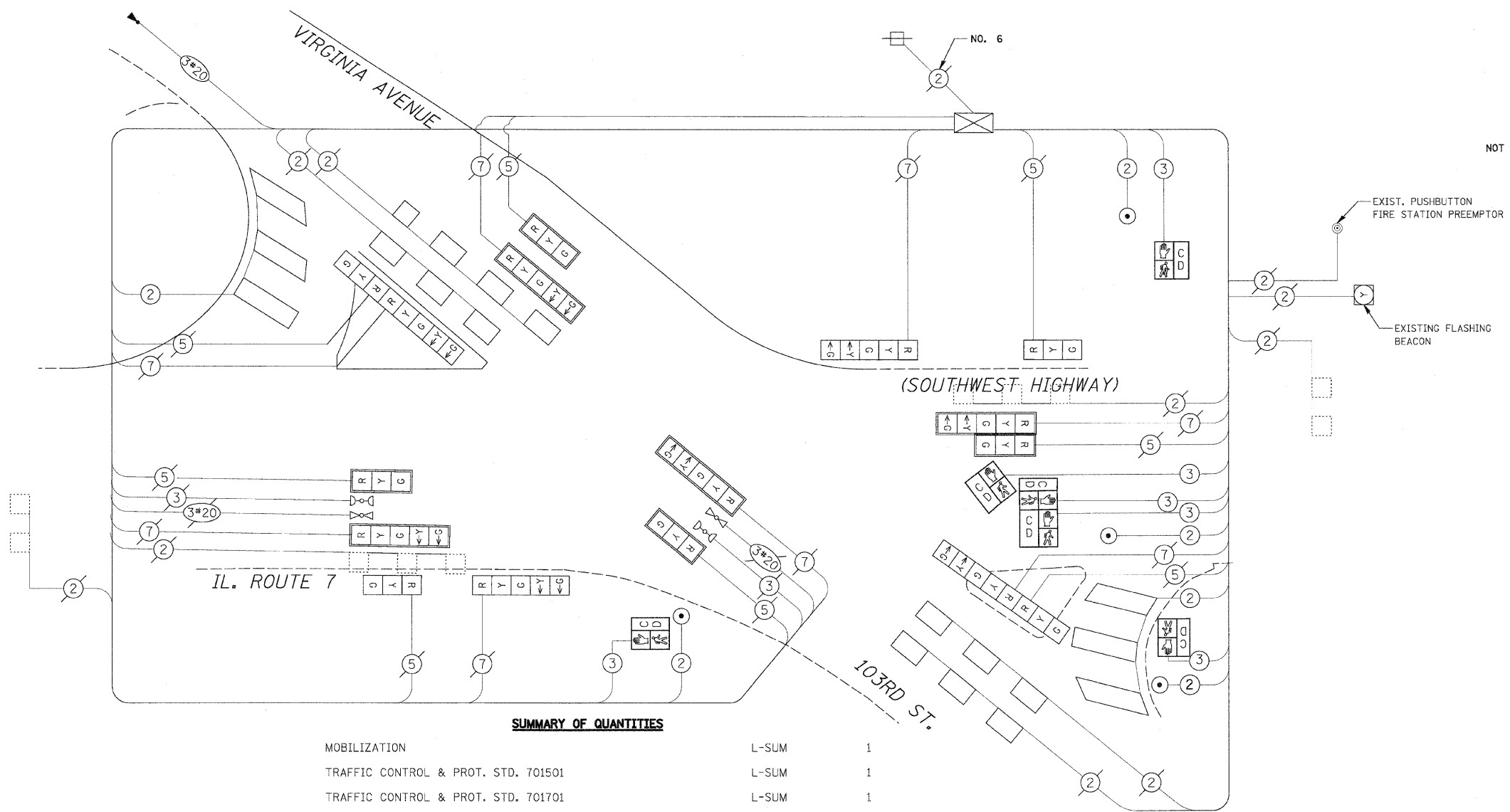


CONTRACT #62388



NOT TO SCALE

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 C/D INDICATES COUNTDOWN SIGNAL HEAD |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | TELEPHONE INSTALLATION |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | MAGNETIC DETECTOR |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PUSHBUTTON DETECTOR |
| | | 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 (HH), OR CONTROLLER (C) |
| | | GROUND ROD AT POST (P) OR MAST ARM POLE (MA) |
| | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |

SUMMARY OF QUANTITIES

MOBILIZATION	L-SUM	1			
TRAFFIC CONTROL & PROT. STD. 701501	L-SUM	1			
TRAFFIC CONTROL & PROT. STD. 701701	L-SUM	1			
TRAFFIC CONTROL & PROT. STD. 701801	L-SUM	1			
PEDESTRIAN PUSH BUTTON	EACH	4	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	METER	13.9
PED. PUSH BUTTON POST GALV. STEEL, TYPE II	EACH	1	PORTLAND CEMENT, CONCRETE SIDEWALK, 125 mm	SQ. METER	18.29
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED W/COUNTDOWN TIMER	EACH	4	COMBINATION CONCRETE CURB AND GUTTER, TY. B-15.60	METER	13.9
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED W/COUNTDOWN TIMER	EACH	1	MEDIAN REMOVAL	SQ. METER	12.19
DRILL EXISTING HANDHOLE	EACH	1	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
MAINT. OF EXIST. TRAFFIC SIGNAL INSTALLATION	EACH	1	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
CONC. FOUNDATION TYPE A	EACH	1.2	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
THERMOPLASTIC PAV'T MARKING LINE-150 mm	METER	115	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	2
CONDUIT PUSHED, 40 mm DIA., GALV. STEEL	METER	14.02	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
ELEC. CABLE IN CONDUIT, SIGNAL NO. 14, 2C	METER	200	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
ELEC. CABLE IN CONDUIT, SIGNAL NO. 14, 3C	METER	281			
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 4.85 m	EACH	2			
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			
MODIFY EXISTING CONTROLLER	EACH	1			

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	16	INCAND.	LED		136.00
(YELLOW)	16			0.25	100.00
(GREEN)	16			0.25	60.00
ARROW	16			0.10	19.20
PED. SIGNAL	6			1.00	150.00
CONTROLLER	1			1.00	100.00
ILLUM. SIGN				0.05	

ENERGY COSTS TO: TOTAL = 632.70

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTACT: MR. DOUG BROWNFIELD
 PHONE: (708) 235-2339
 COMPANY: COMED

FOUNDATION (DEPTH)	FT.	(m)	CABLE SLACK	VERTICAL
TYPE A - POST	4	(1.2)	HANDHOLE	ALL FOUNDATIONS
D - CONTROLLER	4	(1.2)	DOUBLE HANDHOLE	MAST ARM (L) POLE
C - M. ARM POLE			SIGNAL POST	20'-H-2=
24" (600mm)	10	(3.0)	CONTROLLER CAB.	(6m-H-0.6m)=
30" (750mm)	15	(4.6)	FIBER OPTIC	
			ELECTRIC SERVICE	
			GROUND CABLE	
				BRACKET MOUNTED
				PED. PUSHBUTTON
				ELECTRIC SERVICE
				SERVICE TO GROUND
				POST MOUNTED

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REVISIONS	DATE	ILLINOIS DEPARTMENT OF TRANSPORTATION
		VILLAGE OF CHICAGO RIDGE SOUTHWEST HIGHWAY/103rd STREET INTERSECTION IMPROVEMENTS CABLE PLAN
		SCALE: N.T.S. DATE: 06-17-2009
		DRAWN BY: BL DESIGNED BY: ERR CHECKED BY: RB

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