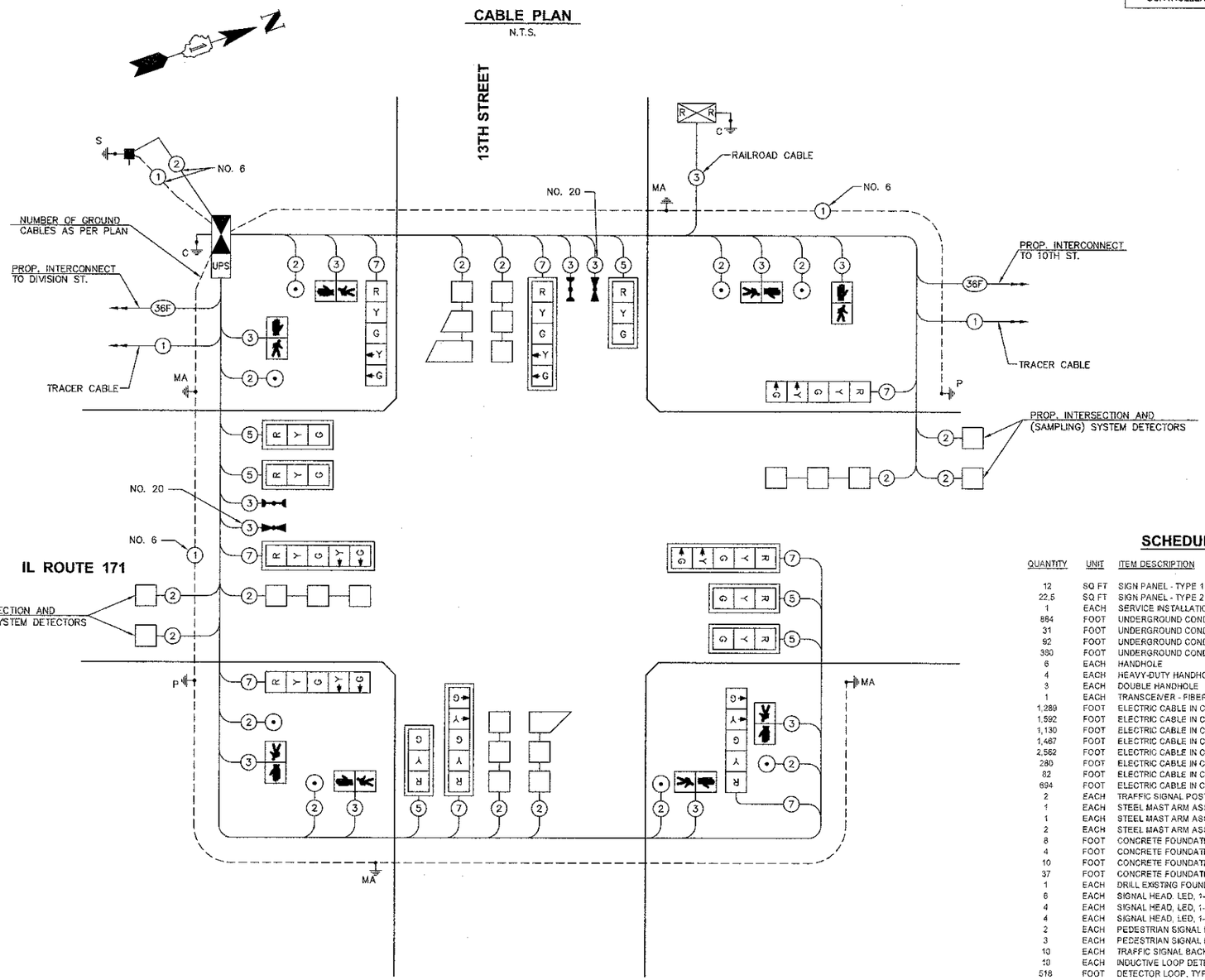
NOTES:

1. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
2. EMERGENCY VEHICLE PRE-EMPTION EQUIPMENT SHALL BE "OPTICOM".
3. THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

CABLE PLAN

N.T.S.



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATIONS	
SIGNAL (RED)	14		17	0.50	119.00
(YELLOW)	14		25	0.25	87.50
(GREEN)	14		15	0.25	52.50
ARROW	16		12	0.10	19.20
PED. SIGNAL	8		25	1.00	200.00
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	–		25	0.05	–
FLASHER				0.50	–
				TOTAL =	578.20

ENERGY COST – BILLED TO: CITY OF LOCKPORT
(ADDRESS) 222 EAST NINTH STREET
LOCKPORT, IL 60441

ENERGY SUPPLY – CONTACT: JAMES GLOVER
PHONE 815-724-5054
COMPANY: COMED

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM DESCRIPTION
12	SQ FT	SIGN PANEL - TYPE 1
22.5	SQ FT	SIGN PANEL - TYPE 2
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
884	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
31	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
92	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
380	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
6	EACH	HANDHOLE
4	EACH	HEAVY-DUTY HANDHOLE
3	EACH	DOUBLE HANDHOLE
1	EACH	TRANSCEIVER - FIBER OPTIC
1,289	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1,592	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1,130	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1,467	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
2,562	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
280	FOOT	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C
82	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
694	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.
8	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
10	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
37	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
1	EACH	DRILL EXISTING FOUNDATION
6	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
4	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
3	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED
10	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
10	EACH	INDUCTIVE LOOP DETECTOR
518	FOOT	DETECTOR LOOP, TYPE I
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
8	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
1	EACH	UNINTERRUPTABLE POWER SUPPLY, SPECIAL
247	FOOT	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C

Engineering Enterprises, Inc.
CONSULTING ENGINEERS
52 Wheeler Road
Sugar Grove, Illinois 60554
630.466.6700 / www.eeinc.com

USER NAME = Larry Nolan	DESIGNED - JRL & SWM	REVISED - JPS 02/06/13	
	DRAWN - CLN	REVISED - CLN 03/19/13	
PLOT SCALE =	CHECKED - JL	REVISED -	
PLOT DATE = March 20, 2013	DATE - 11/13/12	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN,
IL RTE 171 AND 13TH STREET

SCALE: N.T.S. | SHEET NO. 2 OF 7 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	10-00068-00-TL	WILL	65	30
		CONTRACT NO. 63788		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(619)		

Plotted: March 20, 2013 @ 2:36 PM By: Larry Nolan – Tab: 30_Cable Plan 22x34

Path: H:\SSKPROJ\LP0902\DWG\DWG FINAL ENG\LP0902-SIGNAL