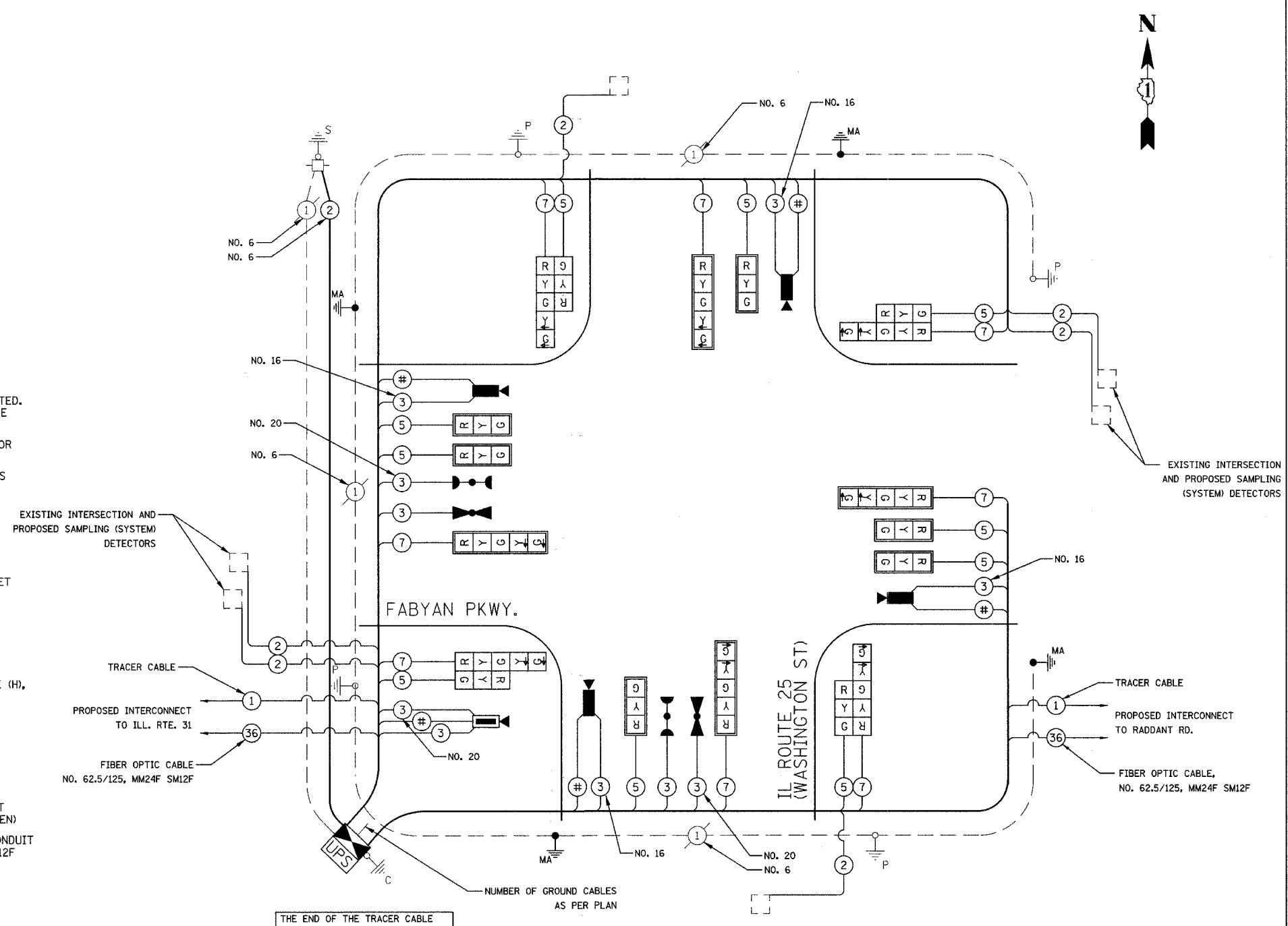


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
363	06-00339-00-TL	KANE	33	13
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

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
  - PUSHBUTTON DETECTOR
  - VEHICLE DETECTOR, INDUCTION LOOP
  - DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
  - MICROWAVE VEHICLE SENSOR
  - 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
  - GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
  - FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F
  - COAXIAL CABLE
  - IMAGE SENSOR
  - STREET LIGHT LUMINAIRE
  - DOME PAN/TILT/ZOOM (PTZ) CAMERA
  - UNINTERRUPTIBLE POWER SUPPLY
  - "R" RELOCATED SIGNAL EQUIPMENT



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE	% OPERATION		
SIGNAL (RED)	16	17	0.50	136	
(YELLOW)	16	25	0.25	100	
(GREEN)	16	15	0.25	60	
ARROW	16	12	0.10	20	
PED. SIGNAL		25	1.00		
CONTROLLER	1	100	1.00	100	
VIDEO SYSTEMS	1	150	1.00	150	
			0.50		
FLASHER			0.50		
TOTAL =				566	

ENERGY COSTS TO: CITY OF GENEVA  
22. S. FIRST STREET  
GENEVA, IL 60134

ENERGY SUPPLY: CONTACT: JENNIFER HILKEMANN  
PHONE: (630)232-1503  
COMPANY: CITY OF GENEVA

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (2.0)
D- CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20' H-2= (6m+L-0.6m)=
E- M. ARM POLE		SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

REVISIONS		KANE COUNTY DIVISION OF TRANSPORTATION
NAME	DATE	
		CABLE PLAN
		FABYAN PARKWAY & ILL. RTE. 25 (WASHINGTON AV./CRISSEY AV.)
		SCALE: NOT TO SCALE
		DATE: 12/14/2007
		DRAWN BY: CEC
		DESIGNED BY: BRD/JSH
		CHECKED BY: JJE

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

CABLE PLAN NOT TO SCALE

NOTE: THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.