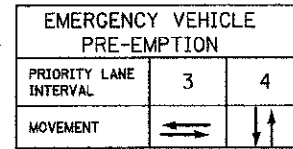


CABLE PLAN LEGEND

EXISTING	PROPOSED	EXISTING	PROPOSED	DESCRIPTION
				TRAFFIC SIGNAL SECTION
				TRAFFIC SIGNAL SECTION
				TRAFFIC SIGNAL SECTION
				TRAFFIC SIGNAL SECTION
				UNINTERRUPTIBLE POWER SUPPLY CABINET
				ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
				ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
				GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (HD), 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 MM12F SM12F
				RADAR VEHICLE DETECTION SYSTEM

SCHEDULE OF QUANTITIES

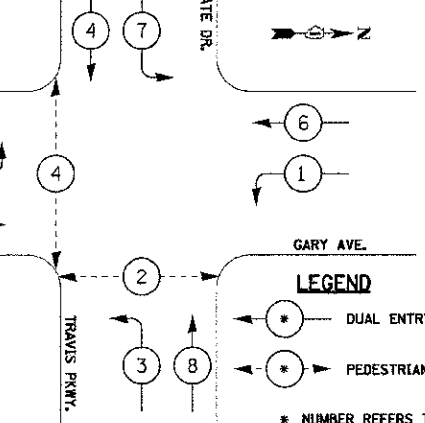
ITEM	UNIT	QUANTITY
PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	243
DETECTABLE WARNINGS	SO FT	64
SIDEWALK REMOVAL	SO FT	207
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	346
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	5
ELECTRIC CABLE IN TRENCH, SIGNAL, NO. 14 2C	FOOT	2931
HANDHOLE	EACH	2
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	8
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED**	EACH	2
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 2-FACE, BRACKET MOUNTED**	EACH	1
LIGHT POLE FOUNDATION, METAL, 11 1/2" BOLT CIRCLE, 8 5/8" X 6"	EACH	2
RADAR VEHICLE DETECTION SYSTEM	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1071
INDUCTION LOOP DETECTOR AMPLIFIER	EACH	8
SERVICE INSTALLATION - GROUND MOUNTED	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	1
RELOCATE EXISTING MASTER CONTROLLER	EACH	1
CONFIRMATION BEACON	EACH	1
LIGHT DETECTOR	EACH	1
LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 20 3C	FOOT	945
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	FOOT	1846
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	1
SIGN PANEL - TYPE 1	FOOT	346
	SG FT	4



EXISTING AND PROPOSED EMERGENCY VEHICLE PRE-EMPTION SEQUENCE

CONTROLLER SEQUENCE

REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED BELOW.



TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17	0.50	0.50	102.00
(YELLOW)	12	25	0.25	0.25	75.00
(GREEN)	12	15	0.25	0.25	45.00
ARROW	16	12	0.10	0.10	19.20
PED. SIGNAL	4	25	1.00	1.00	100.00
CONTROLLER	1	100	1.00	1.00	100.00
ILLUM. SIGN	-	-	25	0.05	-

FLASHER	NO. LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
FLASHER	2	25	0.50	25.00
TOTAL =				466.20

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 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (C) POLE	20" H - 2"
E - M. ARM POLE	2 (0.6)	SIGNAL POST	2 (0.6)	BRACKET MOUNTED	(6m) H - 0.6m
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.3)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.3)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.3)	POST MOUNTED	6 (1.8)

ENERGY COSTS TO: VILLAGE OF ROSELLE, 31 S. PROSPECT STREET, ROSELLE, ILLINOIS 60172
 ENERGY SUPPLY CONTACT: DEBRA DALTON, (630) 424-5702, COMPANY: COM. ED.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

GARY AVENUE AT TRAVIS PARKWAY CABLE PLANS, PHASING, AND SCHEDULE OF QUANTITIES

- REMOVE EXISTING TRAFFIC SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED WITH BACKPLATE. INSTALL NEW SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED WITH BACKPLATE. RE-USE EXISTING CABLES.
- REMOVE EXISTING TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION, MAST ARM MOUNTED WITH BACKPLATE. INSTALL NEW SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED WITH BACKPLATE. RE-USE EXISTING CABLES.
- REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED. INSTALL NEW PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER, L.E.D., 2-FACE, BRACKET MOUNTED. RE-USE EXISTING CABLES. INSTALL NEW PEDESTRIAN PUSH-BUTTON FOR TRAVIS PARKWAY CROSSING ON EXISTING TRAFFIC SIGNAL POLE.
- REMOVE EXISTING TRAFFIC SIGNAL HEAD, 1-FACE, 5-SECTION, BRACKET MOUNTED. INSTALL NEW TRAFFIC SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION BRACKET MOUNTED. RE-USE EXISTING CABLES.
- REMOVE EXISTING PEDESTRIAN SIGNAL HEAD, 1-FACE, BRACKET MOUNTED. INSTALL NEW PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER, L.E.D., 1-FACE, BRACKET MOUNTED. RE-USE EXISTING CABLES.
- INSTALL NEW RADAR VEHICLE DETECTION SYSTEM, BRACKET MOUNTED. PULL NEW CABLE TO CONTROL CABINET. CONTRACTOR TO COORDINATE INSTALLATION OF EQUIPMENT WITH RADAR DETECTION SYSTEMS MANUFACTURER TO ENSURE PROPER CONFIGURATION AND OPERATION OF DEVICE. EXACT MOUNTING LOCATION TO BE DETERMINED BY FIELD TESTING AND APPROVAL OF MANUFACTURER OF DETECTION SYSTEM.
- REMOVE EXISTING CONFIRMATION BEACON INCANDESCENT BULB. INSTALL NEW CONFIRMATION BEACON L.E.D LAMP IN ACCORDANCE WITH DISTRICT ONE EMERGENCY VEHICLE PRIORITY SYSTEM SPECIFICATION AT NO ADDITIONAL COST TO CONTRACT (INCLUDED IN COST OF UNINTERRUPTIBLE POWER SUPPLY).
- REMOVE EXISTING TRAFFIC SIGNAL CABINET AND RETURN CABINET TO DUPAGE COUNTY AS DIRECTED BY THE ENGINEER. INSTALL NEW TRAFFIC SIGNAL CABINET, TYPE IV, AND RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER AND EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT, INTO NEW CABINET ON EXISTING FOUNDATION. INSTALL NEW UNINTERRUPTIBLE POWER SUPPLY (UPS). REMOVE AND REPLACE DETECTOR LOOP AMPLIFIERS. INSTALL NEW LIGHT DETECTOR AMPLIFIER.
- INSTALL NEW GROUNDING CABLE AS SHOWN IN THE CABLE PLAN AND PROVIDE GROUNDING CONNECTION AS DETAILED IN IDOT DISTRICT ONE STANDARD TS-05, SEE SHEET 21. REMOVE EXISTING GROUND MOUNTED SERVICE. INSTALL NEW GROUND MOUNTED SERVICE, MODEL TO BE APPROVED BY ENGINEER. EXISTING BASE AND MOUNTING POST FOR GROUND MOUNTED SERVICE SHALL BE RE-USED.
- INSTALL NEW TRAFFIC SIGNAL HANDHOLE TO INTERCEPT EXISTING CONDUIT. INSTALL NEW 2 1/2 INCH UNDERGROUND CONDUIT BETWEEN NEW TRAFFIC SIGNAL HANDHOLE TO NEW TRAFFIC SIGNAL POST. SEE STANDARD 814001 AND DISTRICT ONE DETAIL ON SHEET 22 FOR THE "HANDHOLE TO INTERCEPT EXISTING CONDUIT" DETAIL.
- REMOVE EXISTING FLASHING BEACON 1-FACE AMBER, POST MOUNTED. REMOVE EXISTING SIGN AND POST. INSTALL NEW METAL HELIX FOUNDATION, AND INSTALL 18' GALVANIZED STEEL TRAFFIC SIGNAL POST WITH BREAK-AWAY BASE. INSTALL NEW L.E.D. FLASHING BEACON, 1-FACE AMBER, MOUNTING LOCATION AS SHOWN IN DETAIL (BRACKET MOUNTED). REMOVE AND REPLACE EXISTING CABLES FROM TRAFFIC SIGNAL CONTROLLER TO NEW L.E.D. FLASHING BEACON. PROPOSED SIGNAGE TO BE INSTALLED BY OTHERS.
- INSTALL NEW EMERGENCY VEHICLE LIGHT DETECTOR, POST MOUNTED, AND L.E.D. CONFIRMATION BEACON, POST MOUNTED TO 18" TRAFFIC SIGNAL POST. RUN NEW CABLES TO CONTROLLER CABINET.
- EXISTING HANDHOLE TO REMAIN. CORE HANDHOLE FOUNDATION'S CONDUIT OPENINGS FOR 2" GALVANIZED STEEL CONDUIT. SEAL WITH MORTAR ONCE NEW 2" GALVANIZED STEEL CONDUIT IS PLACED. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF 2" GALVANIZED STEEL CONDUIT. (SEE SHEET 5 FOR LOCATION)
- REMOVE EXISTING 1/4 INCH GALVANIZED STEEL CONDUIT. REMOVAL OF EXISTING CONDUIT SHALL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE COST OF CONDUIT BEING INSTALLED. (SEE SHEET 5 FOR LOCATION)

CONSTRUCTION NOTES:

* TYPE IV CABINET SHALL BE SIZED TO BE 65 INCHES TALL, 26 INCHES DEEP, AND 44 INCHES WIDE.
 + SEE TRAFFIC SIGNAL PLAN SHEET 4 FOR ADDITIONAL NOTES.

USER NAME = zulkowad	DESIGNED - JAC	REVISED -
PLOT SCALE = 40,0000' / in.	DRAWN - SDZ	REVISED -
PLOT DATE = 4/2/2013	CHECKED - JAP	REVISED -
	DATE - 03-22-2013	REVISED -

SCALE: NTS	SHEET NO. 6 OF 24 SHEETS	STA. N/A TO STA. N/A
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
256I	11-0023T-12-SP	DUPAGE/COOK	24	6
CONTRACT NO. 63821			ILLINOIS FED. AID PROJECT HSIP-0043 0229	