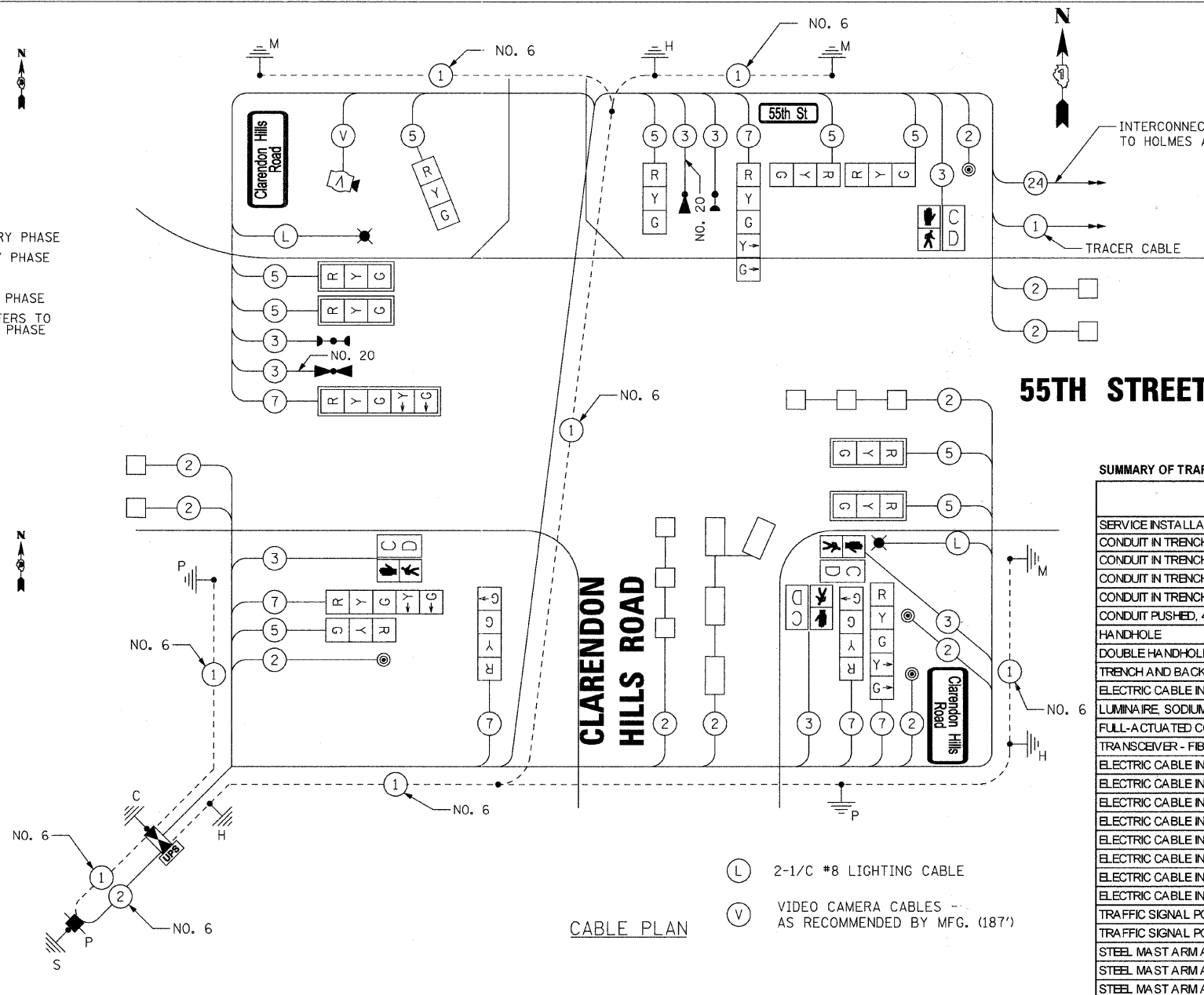


EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↑



RESTORATION OF WORK AREA: RESTORATION OF THE TRAFFIC SIGNAL WORK SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

SUMMARY OF TRAFFIC SIGNAL QUANTITIES - CLARENDON HILLS RD		
ITEM	UNIT	QUANTITY
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
CONDUIT IN TRENCH 2" DIA., GALVANIZED STEEL	FOOT	612
CONDUIT IN TRENCH 2 1/2" DIA., GALVANIZED STEEL	FOOT	23
CONDUIT IN TRENCH 3" DIA., GALVANIZED STEEL	FOOT	86
CONDUIT IN TRENCH 4" DIA., GALVANIZED STEEL	FOOT	20
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	171
HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	790
ELECTRIC CABLE IN CONDUIT, 600V, (XLP-TYPE USE) 1/C NO. 8	FOOT	790
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1/C	FOOT	326
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	449
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	778
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	1171
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FOOT	571
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1664
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2/C	FOOT	54
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	301
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	45
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	5
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE I	FOOT	499
LIGHT DETECTOR	EACH	3
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	3
VIDEO DETECTION SYSTEM	EACH	1
MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1

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

NOTE: SURGE ARRESTORS, FUSES, AND BREAKAWAY FUSEHOLDERS ARE REQUIRED IN EACH COMBINATION MAST ARM ASSEMBLY, AS SHOWN ON HIGHWAY STANDARD 877011-04, AND DESCRIBED IN SECTION 1065 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007. THIS WORK SHALL BE INCLUDED IN THE APPROPRIATE COMBINATION MAST ARM ASSEMBLY PAY ITEM.

I. D. O. T.				
TRAFFIC SIGNAL INSTALLATION				
ELECTRICAL SERVICE REQUIREMENTS				
C.H.35 (55TH STREET) & CLARENDON HILLS ROAD				
TYPE	NO. OF LAMPS	WATTAGE	% OPERATION	TOTAL WATTAGE
(RED)	14	17	0.50	119.00
(YELLOW)	14	25	0.25	87.50
(GREEN)	14	15	0.25	52.50
ARROW	10	12	0.10	12.00
PEDESTRIAN SIGNAL	4	25	1.00	100.00
CONTROLLER	1	100	1.00	100.00
VIDEO SYSTEM	1	150	1.00	150.00
LUMINAIRE, HPS, 400W	2	400	0.52	416.00
FLASHER	0	25	0.50	0.00
TOTAL =				1037.00

ENERGY COSTS TO: DUPAGE COUNTY

ENERGY SUPPLY: CONTACT: JUANITA VEIGELT
PHONE: (815) 739-1577
COMPANY: COMM EDISON

EJM ENGINEERING, INC.
411 South Wells Street Suite 800
Chicago, Illinois 60607

FILE NAME = ...trfaffio signals\29021S22.dgn	USER NAME = rskanson	DESIGNED - JM	REVISED -
		DRAWN - MS	REVISED -
		CHECKED - CK	REVISED -
		DATE - 05/11/2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION
DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
C.H. 35 (55TH STREET) & CLARENDON HILLS ROAD

F.A.U. RTE. 1504	SECTION 94-00302-00-FP	COUNTY DUPAGE	TOTAL SHEETS 240	SHEET NO. 136
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63609	