

PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTOR	3
MOVEMENT	← →

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. OF LAMPS	WATTAGE		% OPERATIONS	TOTAL
		INCAND.	LED		
SIGNAL (RED)	9	135	17	0.50	76.5
(YELLOW)	9	135	25	0.25	56.25
(GREEN)	9	135	15	0.25	33.75
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	-	90	25	1.00	-
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN			25	0.50	
PTZ CAMERA	1	65		1.00	65

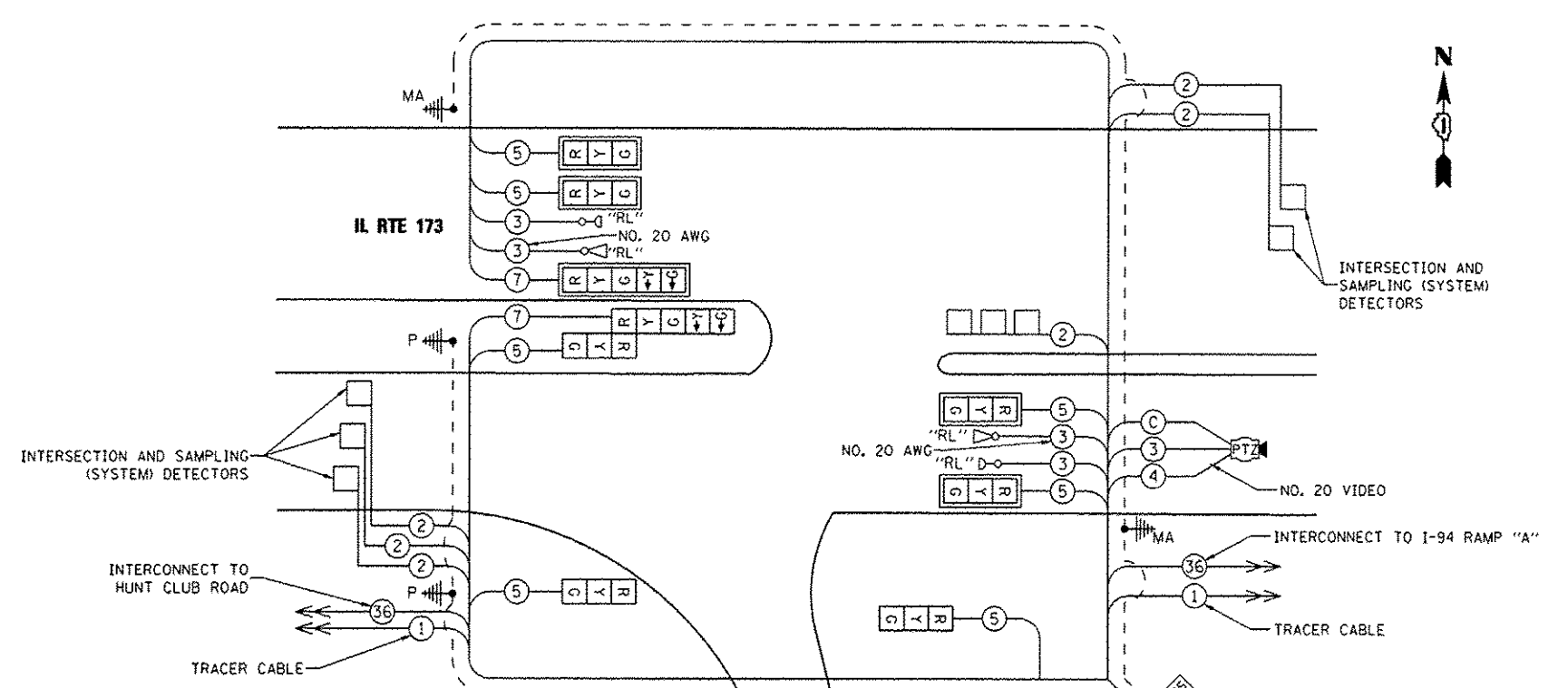
ENERGY COSTS TO: TOTAL = 336.3

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, IL 60196

ENERGY SUPPLY: CONTACT: DOROTHY PROSEN
 PHONE: (847) 816-5323
 COMPANY: COM ED

EJM ENGINEERING, INC.
 411 South Wells Street Suite 1000
 Chicago, Illinois 60607

CODE NUMBER	ITEM	UNIT	TOTAL
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1311
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	83
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	39
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	374
81400100	HANDHOLE	EACH	2
81400200	HEAVY-DUTY HANDHOLE	EACH	5
81400300	DOUBLE HANDHOLE	EACH	1
86400100	TRANSCIVER - FIBER OPTIC	EACH	1
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	748
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	453
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1325
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	574
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2077
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	106
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	757
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1
87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1
87702910	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 36 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26
87900200	DRILL EXISTING HANDHOLE	EACH	1
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	5
88500100	INDUCTIVE LOOP DETECTOR	EACH	6
88600700	PREFORMED DETECTOR LOOP	FOOT	279
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	977
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	2
X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	748
X8730800	ELECTRIC CABLE IN CONDUIT, VIDEO, NO. 20 4 C	FOOT	76
X8950115	RELOCATE LIGHT DETECTOR	EACH	2
X8950120	RELOCATE LIGHT DETECTOR AMPLIFIER	EACH	1
20073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
XX005940	REMOTE-CONTROLLED VIDEO SYSTEM	EACH	1
XX007952	TERMINAL SERVER	EACH	1
X8908253	VIDEO ENCODER	EACH	1
X8730571	ELECTRIC CABLE IN CONDUIT, COAXIAL	FOOT	76
X0327211	RELOCATE SWITCH	EACH	1
X0322765	RELOCATE VIDEO VEHICLE DETECTION SYSTEM	EACH	1
87301740	ELECTRIC CABLE IN CONDUIT, COMMUNICATION, NO. 22 4 PAIR	FOOT	942



SCHEDULE OF QUANTITIES

CABLE PLAN

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA 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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

- NOTES:
- EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE REMOVED FROM EXISTING SIGNAL INSTALLATION, STORED BY THE CONTRACTOR FOR THE DURATION OF CONSTRUCTION, AND INSTALLED ON PROPOSED TRAFFIC SIGNAL INSTALLATION PRIOR TO ITS ACTIVATION.
 - FIBER OPTIC CABLE SHALL BE SPLICED IN THE EXISTING SPLICE ENCLOSURE AT THE TOLLWAY/ADESTA HANDHOLE. SEE SHEET TS-15 FOR SPLICING DETAILS.

FILE NAME *	USER NAME * qrol	DESIGNED - GR	REVISED 7/17/12 BKS
		DRAWN - GR	REVISED
		CHECKED - BKS	REVISED
		DATE - 06/19/2012	REVISED

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SCHEDULE OF QUANTITIES, CABLE PLAN, AND PHASE DESIGNATION DIAGRAM IL RTE 173 AT I-94 RAMP "B"		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	LAKE	677	345
							CONTRACT NO. 60L77	
							ILLINOIS FED. AID PROJECT	