



TRAFFIC SIGNAL CONTROL EQUIPMENT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	215
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	90
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	20
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	41
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	222
HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	324
FULL - ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	190
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	555
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1630
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	545
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1060
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6, 2C	FOOT	50
TRAFFIC SIGNAL POST, 10 FT.	EACH	1
TRAFFIC SIGNAL POST, 14 FT.	EACH	3
TRAFFIC SIGNAL POST, 15 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	EACH	5
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30" DIAMETER	FOOT	45
DRILL EXISTING HANDHOLE	EACH	4
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	5
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
SIGNAL HEAD LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD LED, 2-FACE, 1 3-SECTION, 1 4-SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	7
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE 1	FOOT	350
UNINTERRUPTABLE POWER SUPPLY	EACH	1
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
PEDESTRIAN PUSH BUTTON	EACH	2
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4032
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	3
REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
SERVICE INSTALLATION-POLE MOUNTED	EACH	1
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	200
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	460
GROUNDING EXISTING HANDHOLE FRAME AND COVER	EACH	3
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	1
PAINT NEW MAST ARM AND POLE, UNDER 40 FEET	EACH	3
PAINT NEW TRAFFIC SIGNAL POST	EACH	5

I.D.O.T
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	11		17	0.50	93.5
(YELLOW)	11		25	0.25	68.75
(GREEN)	8		15	0.25	30
ARROW	8		12	0.10	9.6
PED. SIGNAL	2		25	1.00	50
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN	--		25	0.05	--
FLASHER				0.50	--
ENERGY COSTS TO:				TOTAL =	351.85

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: MIKE LENOX
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 PROJECT NO. 08-00054-00-CH
 SHEET NO. 56 OF 38
 DATE: 09/11/09

DESIGNED - JJJ	REVISED - MCDPD REVIEW 11/3/09
DRAWN - CJC	REVISED - IDOT REVIEW 11/17/09
CHECKED - RWL	REVISED -
DATE - 09/11/09	FILE - 080298-TS_CABLE.sht

VILLAGE CARY, ILLINOIS
U.S. ROUTE 14 AT EAST MAIN STREET RIGHT-TURN LANE STP
AND EAST MAIN STREET ARRA IMPROVEMENTS

TRAFFIC SIGNAL CABLE PLAN, PHASE DESIGNATION AND SCHEDULE OF QUANTITIES

SCALE: NONE STA. 181+60 TO STA. 185+30

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C-91-619-09	08-00054-00-CH	McHENRY	56	38
CONTRACT NO. 63404			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-ARA-9003313	