



CONTROLLER SEQUENCE

EMERGENCY VEHICLE PREEMPTION SEQUENCE

PHASE DESIGNATION DIAGRAM
PROTECTED/PERMITTED LEFT TURN PHASING WITH RIGHT TURN OVERLAP

LEGEND

- ← ⊙ → DUAL ENTRY PHASE
- ← ⊙ → PEDESTRIAN MOVEMENT
- * NUMBER REFERS TO ASSOCIATED PHASE
- EXISTING INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

SCHEDULE OF QUANTITIES

(INCLUDES QUANTITIES FOR TRAFFIC SIGNAL INTERCONNECT - SEE DRAWING 6 OF 6)

	UNITS	QNTY.
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	391
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	405
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
MODIFY EXISTING CONTROLLER	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
TRAFFIC SIGNAL POST, 16"	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	4
RELOCATE EXISTING SIGNAL HEAD	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	8
DRILL EXISTING HANDHOLE	EACH	1

NOTE:
EQUIPMENT GROUND CONDUCTOR (GREEN COLOR CODED) SPLICE TO FRAME AND COVER IS REQUIRED FOR ALL HANDHOLES OR DOUBLE HANDHOLES THAT CARRY SIGNAL CABLES AND SERVICE CABLES.

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND. LED	% OPERATION		
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	-	84	-	0.50	-
FLASHER LED	-	-	-	0.50	-
ENERGY COSTS TO:				TOTAL =	381.6

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NOTES:
1. ALL PEDESTRIAN SIGNAL LENSES SHALL BE L.E.D. TYPE.