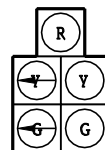


PHASE SEQUENCE DIAGRAM

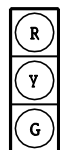
NOTE: OMIT PHASE 3 WHEN PHASE 2 IS ON

SUB-SUMMARY

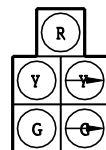
ITEM	DESCRIPTION	UNIT	QUANTITY
202	PULL BOX REMOVED	EACH	3
625	CONDUIT, 2", 713.07	LIN FT	1226
625	CONDUIT, 3", 713.07	LIN FT	306
625	PULL BOX, 713.08, 18"	EACH	13
625	PULL BOX, 713.08, 24"	EACH	1
625	GROUND ROD	EACH	3
632	VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, APP	EACH	2
632	VEHICULAR SIGNAL HEAD, 5 SECTION, 12" LENS, 1-WAY, POLYCARBONATE, APP	EACH	2
632	VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 2-WAY, POLYCARBONATE, APP	EACH	1
632	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, AS PER PLAN	EACH	9
632	MESSANGER WIRE, 7-STRAND, 3/8" DIAMETER WITH ACCESSORIES	LIN FT	149
632	MESSANGER WIRE, 7-STRAND, 1/4" DIA. W/ ACCESSORIES (TETHER)	LIN FT	149
632	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	LIN FT	214
632	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	LIN FT	321
632	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG.	LIN FT	70
632	INTERCONNECT CABLE, 6 PAIR, NO. 19 AWG, SOLID, REA IPE391, AS PER PLAN	LIN FT	1395
632	DETECTOR LOOP	EACH	18
632	LOOP DETECTOR LEAD-IN CABLE	LIN FT	5968
632	STRAIN POLE FOUNDATION	EACH	2
632	STRAIN POLE, TYPE TC-81.10, DESIGN 5, 31' POLE, AS PER PLAN	EACH	2
632	POWER SERVICE, AS PER PLAN	EACH	1
632	SIGNALIZATION MISC: METER BASE, 100 AMP WITH BYPASS	EACH	1
633	CONTROLLER ACTUATED, 4 PHASE, SOLID STATE DIGITAL MICROPROCESSOR, WITH INTERNAL TIME BASED COORDINATION, AS PER PLAN	EACH	1
633	CONCRETE FOR CABINET FOUNDATION	CU YDS	0.99
633	CONTROLLER WORK PAD	SO FT	8.33



3



1, 2, 4, 5



6

SIGNAL HEAD DETAIL

POLYCARBONATE, 12" LENS



LOOP	# TURNS	SIZE	DELAY	TYPE	CONTROLLER FUNCTION	AMP #
L-1	2	6X20	2	PRESENCE	NON-LOCK	1
L-2	2	6X40	3	PRESENCE	NON-LOCK	2
L-3	2	6X40	10	PRESENCE	NON-LOCK	3
L-4	2	6X25	10	PRESENCE	NON-LOCK	4
L-5	3	6X6		PULSE	LOCK	5
L-6	3	6X6		PULSE	LOCK	5
L-7	3	6X6		PULSE	LOCK	6
L-8	3	6X6		PULSE	LOCK	6
L-9	3	6X6		PULSE	NON-LOCK	7
L-10	3	6X6		PULSE	NON-LOCK	7
L-11	3	6X6		PULSE	LOCK	8
L-12	3	6X6		PULSE	LOCK	8
L-13	3	6X6		PULSE	LOCK	9
L-14	3	6X6		PULSE	LOCK	9

DATE	REVISIONS	DATE INSTALLED
11-27-06	INSTALLED TETHER AND DOWN GUYS	5-23-06

OHIO DEPARTMENT OF TRANSPORTATION			
ELECTRICAL INSTALLATION LOCATED AT			
SR 58 and Ohio TPK			
Signal No. LOR-58-2182s			
DISTRICT 3	COUNTY LORAIN	DRAWN	REVIEWED

FLASHER OPERATIONS	
YELLOW TO:	SR 58
RED TO:	TPK RAMP
SIGNAL NO.:	LOR-58-2182s
INSTALLATION DATE:	11-30-2004
FILE NO.:	4484
OSIS NO.:	9783