

MATERIALS REQUIRED

REF.	ITEM	UNITS	DESCRIPTION	QUANTITIES	
				ESTIMATED	USED
1	603	FT	4" CONDUIT, TYPE F	240	
7	625	FT	CONDUIT, 1", 725.04	70	
8	625	FT	CONDUIT, 1-1/2", 725.05	758	
122	625	FT	CONDUIT, 1-1/2", 725.04	10	
9	625	FT	CONDUIT, 2", 725.05	101	
10	625	FT	CONDUIT, 3", 725.05	63	
11	625	FT	CONDUIT, JACKED OR DRILLED, AS PER PLAN, 2"	66	
12	625	FT	CONDUIT, JACKED OR DRILLED, AS PER PLAN, 3"	51	
13	625	FT	TRENCH, AS PER PLAN	1002	
16	625	EACH	PULL BOX, 725.08, 18"	9	
17	625	EACH	PULL BOX, 725.08, 24"	3	
20	625	EACH	GROUND ROD, AS PER PLAN	4	
36	632	EACH	VEHICULAR SIGNAL HEAD, 3 SEC., 12" LENS, 2-WAY, LED	4	
39	632	EACH	COVERING OF VEHICULAR SIGNAL HEADS, AS PER PLAN	4	
41	632	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, APP	10	
43	632	FT	MESSENGER WIRE, 7 STRAND, 1/4" DIA. WITH ACCESSORIES	101	
44	632	FT	MESSENGER WIRE, 7 STRAND, 3/8" DIA. W/ ACCESSORIES	101	
46	632	FT	SIGNAL CABLE, 5/C, NO. 14 AWG	1016	
50	632	EACH	STRAIN POLE FOUNDATION, AS PER PLAN	2	
54	632	FT	LOOP DETECTOR LEAD-IN CABLE, 2/C, NO. 14 AWG	2930	
55	632	FT	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	31	
56	632	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	35	
58	632	EACH	POWER SERVICE, AS PER PLAN	1	
60	632	EACH	CONDUIT RISER, 1-1/2" DIAMETER	1	
64	632	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 7, 30'	2	
67	632	EACH	WOOD POLE, CLASS 5, 35'	1	
78	632	EACH	METER BASE, 125 AMP WITH BYPASS	1	
87	632	FT	LOOP DETECTOR PAVEMENT CUTTING, AS PER PLAN	707	
89	632	FT	LOOP DETECTOR WIRE, TYPE E, AS PER PLAN	2454	
94	633	EACH	CONTROLLER UNIT, TYPE TS2/A2, W/ CABINET, TYPE TSI	1	
95	633	EACH	CABINET FOUNDATION	1	
96	633	EACH	CONTROLLER WORK PAD, AS PER PLAN	1	
99	633	EACH	BATTERY BACKUP SYSTEM WITHOUT ENCLOSURE, APP	1	

DETECTOR LOOP CHART

LOOP	SIZE (FT)	MODE	DELAY (SEC.)	NUMBER OF TURNS	ASSOCIATED CONTROLLER PHASE	DETECTOR UNIT NO.	COMMENTS
L-1	6X8	PULSE		4	2	1	
L-2	6X8	PULSE		4	2	2	
L-3	6X30	PRESENCE		3	2	3	
L-4	6X30	PRESENCE		3	6	4	
L-5	6X8	PULSE		4	6	5	
L-6	6X8	PULSE		4	6	6	
L-7	5X12X25	PRESENCE	10	2-4-2	4	7	QUADRUPOLE LOOP
L-8	6X18	PRESENCE	10	3	4	7	
L-9	6X18	PRESENCE	5	3	4	8	
L-10	6X18	PRESENCE	5	3	8	9	
L-11	6X18	PRESENCE	10	3	8	10	
L-12	5X12X25	PRESENCE	10	2-4-2	8	10	QUADRUPOLE LOOP

* INHIBIT DELAY DURING ASSOCIATED PHASE GREEN INTERVAL



1 2 3 4
5 6 7 8

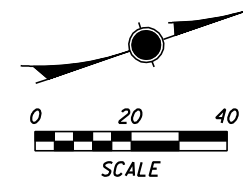
TYPICAL SIGNALS

(12" ALUMINUM W/ LED LAMPS)

SR 57

1295+00

- (A) 2" CONDUIT: 3-2/C
- (B) PB-8, 24", STA 21+18, 35' LT
- (C) 3" CONDUIT: 4-5/C & 10-2/C
- (D) CONTROLLER GROUND MOUNTED WITH BATTERY BACKUP SYTEM & CONC. WORKPAD. STA 21+28, 35' LT
- (E) 1-1/2" CONDUIT, 725.04, 2-2/C POWER
- (F) WOOD POLE, CLASS 5, 35' W/ POWER SERVICE, BYPASS METER BASE, 1-1/2" RISER, & WORKPAD. STA 21+38, 35' LT



FLASHER OPERATION
YELLOW TO SR 57
RED TO EASTERN ROAD
SIGNAL NO. WAY-57-1322s
INSTALLATION DATE 6-6-07
FILE NO. 4500
OSIS NO. 18060

OHIO DEPARTMENT OF TRANSPORTATION		
ELECTRICAL INSTALLATION LOCATED AT		
SR 57 & EASTERN RD		
Signal No. WAY-57-1322s		
DISTRICT 3	COUNTY WAYNE	DRAWN RJR 3/07

