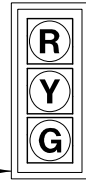


DESIGN FILE: I:\FIELD\IN\ELECTRICAL\SIGNAL\BGN\57&162.dgn
 WORKSTATION: rronev DATE: 2/11/2011

5" BACKPLATE
 W/ YELLOW
 REFLECTIVE
 TAPE BORDER
 PER CMS 732.22,
 TYPICAL ALL
 SIGNAL HEADS



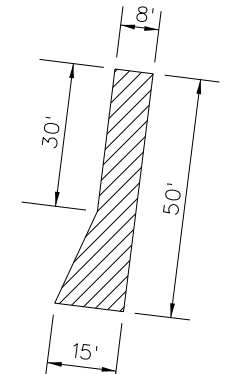
①②③④⑤⑥⑦⑧

TYPICAL SIGNAL HEAD
 BLACK POLYCARBONATE W/ 12" LED LAMPS

DETECTION ZONE CHART

ZONE	SIZE (FEET)	MODE	DELAY SEC.	ASSOC PHASE
D-1	6X8	PULSE		2
D-2	6X12	PULSE		2
D-3	6X20	PRESENCE		2
D-4	6X20	PRESENCE		6
D-5	6X12	PULSE		6
D-6	6X8	PULSE		6
D-7	6X8	PULSE		8
D-8	6X8	PULSE	3*	8
D-9	SEE DETAIL	PRESENCE	3*	8
D-10	SEE DETAIL	PRESENCE	8*	4
D-11	6X8	PULSE	8*	4
D-12	6X8	PULSE	3*	4
D-13				

* INHIBIT DELAY DURING ASSOC. PHASE GREEN



DETECTION ZONE DETAIL
 FOR D-9 & D-10

CONTROLLER GROUND MOUNTED
 W/ BATTERY BACKUP AND TYPE 2
 CONCRETE WORKPAD.
 STA 398+99, 48' RT

3" CONDUIT: 4-5/C SIGNAL
 CABLES & 4 CAMERA CABLES.
 1-1/2" CONDUIT: 1-2/C POWER

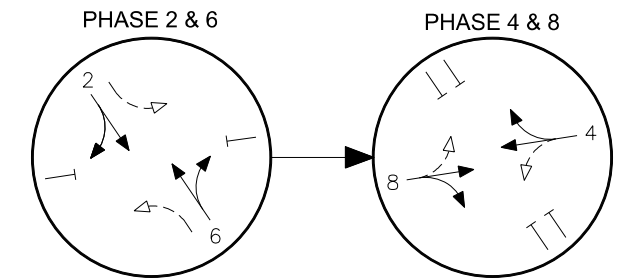
PULL BOX PB-1
 STA 398+94, 48' RT

POWER SOURCE
 O.E. POLE NO. UNKNOWN

STRAIN POLE P-1
 STA 398+89.36, 48' RT
 DESIGN 10, 36' TALL W/
 30' LUMINAIRE ARM
 EXIST POWER SERVICE
 SPAN ATTACH HT = 26.7'

STA. EQUATION:
 STA. 398+66.62 S.R. 57
 STA. 987+07.10 S.R. 162

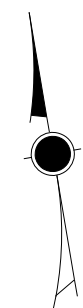
STRAIN POLE P-2
 STA 398+43.87, 48' LT
 DESIGN 10, 36' TALL W/
 30' LUMINAIRE ARM
 SPAN ATTACH HT = 27.8'



SIGNAL PHASING DIAGRAM

MATERIAL REQUIRED (PROJ. 233-05)

ITEM NO.	DESCRIPTION	QTY.	UNIT
625	CONDUIT, 1-1/2", 725.05	10	LIN.FT.
625	CONDUIT, 3", 725.05	10	LIN.FT.
625	PULL BOX, 713.08, 24"	1	EACH
625	GROUND ROD, AS PER PLAN	3	EACH
632	VEH. SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY POLYCARBONATE, W/ BACKPLATE	8	EACH
632	MESSENGER WIRE, 7-STRAND, 1/4" DIA. W/ ACCESSORIES	109	LIN.FT.
632	MESSENGER WIRE, 7-STRAND, 3/8" DIA. W/ ACCESSORIES	109	LIN.FT.
632	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	602	LIN.FT.
632	STRAIN POLE FOUNDATION, APP	2	EACH
632	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	41	LIN.FT.
632	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	35	LIN.FT.
632	POWER SERVICE, AS PER PLAN	1	EACH
632	STRAIN POLE, TYPE TC-81.10, DESIGN 10, AS PER PLAN	2	EACH
632	METER BASE, 100 AMP, WITH BYPASS	1	EACH
632	STRAIN POLE EXTENSION W/ LUMINAIRE ARM	2	EACH
632	VIDEO DETECTION CAMERA	4	EACH
632	VIDEO DETECTION SYSTEM CABINET HARDWARE	1	EACH
632	BREAKAWAY TETHER CONNECTION	1	EACH
633	CONTROLLER UNIT, TS2/A2, WITH TS1 CABINET, APP (8-PHASE)	1	EACH
633	CABINET FOUNDATION (TYPE 2)	1	EACH
633	CONTROLLER WORKPAD (TC-83.20 TYPE 50"X30")	1	EACH
633	BATTERY BACKUP SYSTEM WITHOUT ENCLOSURE	1	EACH



DATE	REVISIONS	DATE
5-31-05	UPGRADE OVHD FLASHER TO STOP-AND-GO PROJ. 233-05	10-2-05
12-6-10	PROJ 332(10)- INSTALLED NEW SIGNAL HEADS & BACKPLATES	1-31-11

OHIO DEPARTMENT OF TRANSPORTATION
 ELECTRICAL INSTALLATION
 LOCATED AT
SR 57 & SR 162
 MED-57-10.02S

District 3 County Medina

DESIGNED RJR 9/04	DRAWN RJR 9/04	REVISED	CHECKED	REVIEWED	SHEET 1 OF 1
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FLASHER OPERATIONS

YELLOW TO:	SR 57
RED TO:	SR 162
SIGNAL NO.:	MED-57-10.02S
INSTALLATION DATE:	3-21-61
FILE NUMBER:	0987
OSIS NUMBER:	1585

CONCRETE DRIVE
 WITH ASPHALT APRON
 STA 393+59.51, RES