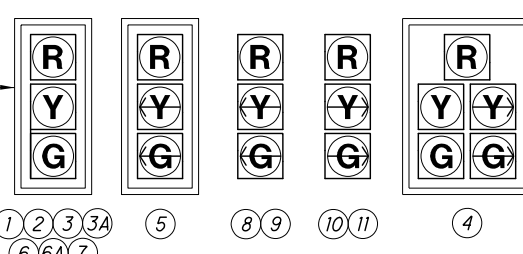
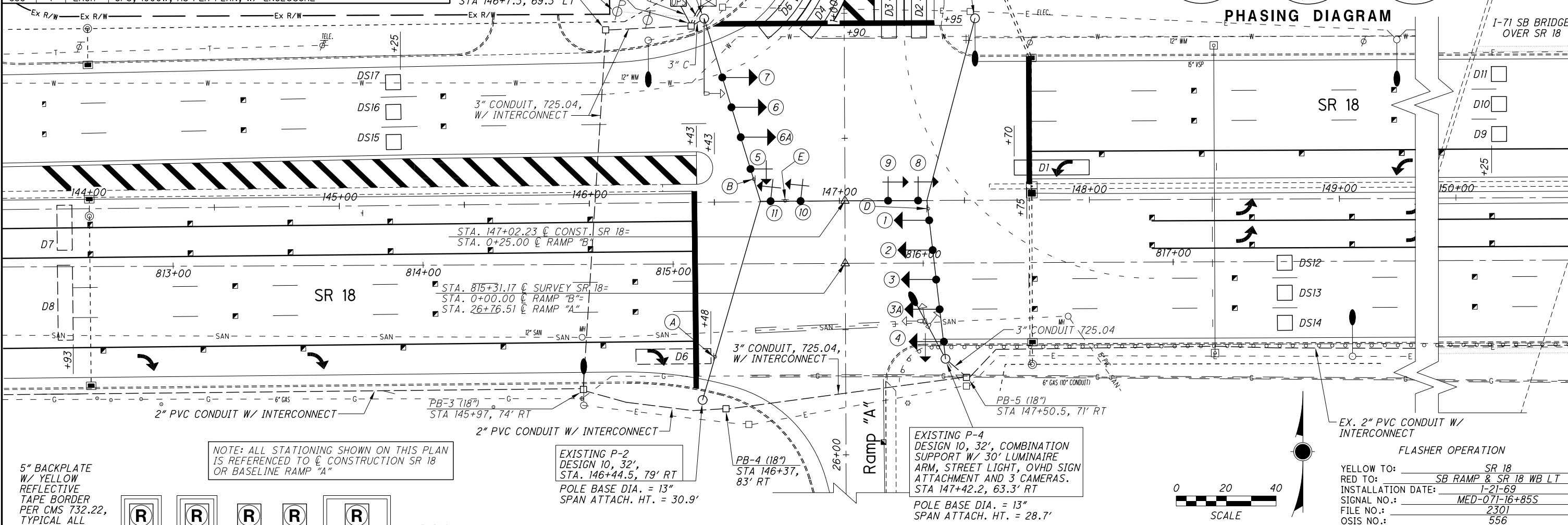
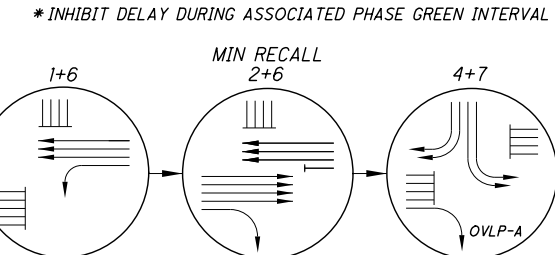


DESIGN FILE: I:\FIELD\IN\ELECTRICAL\SIGNAL\DCN\M718\SR18SB.dgn
 WORKSTATION: rronev DATE: 6/1/2011

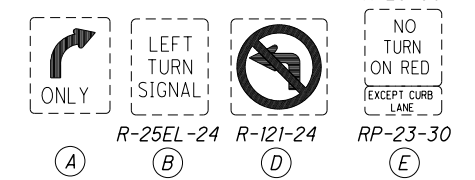
MATERIALS REQUIRED			
ITEM	QTY.	UNITS	DESCRIPTION
625	610	FT	CONDUIT, 2", 725.05
625	80	FT	CONDUIT, 3", 725.04
625	227	FT	CONDUIT, JACKED OR DRILLED, AS PER PLAN, 3"
625	4	EACH	PULL BOX, 725.08, 18"
625	1	EACH	PULL BOX, 725.08, 24"
625	6	EACH	GROUND ROD, AS PER PLAN
630	5	EACH	SIGN HANGER ASSEMBLY, SPANWIRE
630	38.5	SF	SIGN, FLAT SHEET, TYPE G
632	12	EACH	VEH. SIGNAL HEAD, (LED), 3-SECT., 12" LENS, 1-WAY, POLYCARB., APP
632	1	EACH	VEH. SIGNAL HEAD, (LED), 5-SECT., 12" LENS, 1-WAY, ALUMINUM, APP
632	4	EACH	BREAKAWAY TETHER CONNECTION
632	358	FT	MESSENGER WIRE, 7 STRAND, 1/4" DIA. WITH ACCESSORIES, APP
632	358	FT	MESSENGER WIRE, 7 STRAND, 3/8" DIA. WITH ACCESSORIES
632	840	FT	INTERCONNECT CABLE, 6-PAIR, NO. 19 AWG, SOLID, REA (PE-39)
632	1452	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	4	EACH	STRAIN POLE FOUNDATION, AS PER PLAN
632	82	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
632	1	EACH	POWER SERVICE, AS PER PLAN
632	2	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 10, AS PER PLAN
632	1	EACH	COMBINATION STRAIN POLE, TYPE TC-81.10, DESIGN 10
632	1	EACH	COMBINATION STRAIN POLE, TYPE TC-81.10, DESIGN 10, AND SIGN SUPPORT, TYPE TC-9.10 W/ LIGH POLE EXTENSION
632	1	EACH	SIGNALIZATION, MISC.: METER BASE, 125 AMP WITH BYPASS
625	2	EACH	30' LUMINAIRE ARM
632	4	EACH	VIDEO DETECTION CAMERA
632	1	EACH	VIDEO DETECTION SYSTEM HARDWARE
633	1	EACH	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS1
633	2	EACH	CABINET FOUNDATION
633	2	EACH	CONTROLLER WORK PAD, AS PER PLAN
633	1	EACH	UPS, 1000W, AS PER PLAN, W/ ENCLOSURE

DETECTOR ZONE CHART					
DETECTION ZONE	SIZE	MODE	DELAY (SEC.)	PHASE	REMARKS
D1	6' x 30'	PRESENCE	*	1	
D2	6' x 30'	PRESENCE		4 & 7	
D3	6' x 30'	PRESENCE		4 & 7	
D4	6' x 30'	PRESENCE	10	4 & 7	
D5	6' x 30'	PRESENCE	10	4 & 7	
D6	6' x 30'	PRESENCE	10	2 & 4	
D7	6' x 18'	PULSE		2	
D8	6' x 30'	PULSE		2	
D9,10,11	6' x 6'	PULSE		6	
DS12,S13,S14	6' x 6'	PULSE		2	SYSTEM ZONES
DS15,S16,S17	6' x 6'	PULSE		6	SYSTEM ZONES
D18	6' x 18'	PULSE	2	4	
D19	6' x 18'	PULSE	2	4	



TYPICAL SIGNAL HEADS
 ALL HEADS W/ 12" LED LAMPS
 ALL HEADS POLYCARBONATE EXCEPT FOR HEAD 4 WHICH IS ALUMINUM

NOTE: EXISTING SIGNAL HEADS 5, 6, 6A, & 7 HAVE TUNNEL VISORS.



TYPICAL SPANWIRE SIGNS
 NOTE - (C) NOT USED



FLASHER OPERATION
 YELLOW TO: SR 18
 RED TO: SB RAMP & SR 18 WB LT
 INSTALLATION DATE: 1-21-69
 SIGNAL NO.: MED-071-16+85S
 FILE NO.: 2301
 OSIS NO.: 556

DATE	REVISIONS	DATE INSTALLED
12-7-06	PLAN REDRAWN FOR REBUILD ON PROJ. 508(03)	10-9-04
1-31-07	UPDATED DRAWING TO SHOW OVERLAP IN PHASING DIAGRAM - PROJ 508(03)	10-9-04
9-10-10	PROJ 358(09) - ADD SIGNAL HEADS 3A & 6A, MODIFIED HEAD 10, INSTALL BREAKAWAY TETHER CONNECTIONS	3-30-10
1-31-11	PROJ 332(10) - INSTALLED BACKPLATES AND UPS	3-21-11

OHIO DEPARTMENT OF TRANSPORTATION
 ELECTRICAL INSTALLATION
 LOCATED AT
I-71 SB RAMP & SR 18
 Signal No. MED-71-1685s
 (State SLM = 218.81)
 DISTRICT 3 COUNTY MEDINA
 DRAWN RJR 2/09 REVIEWED