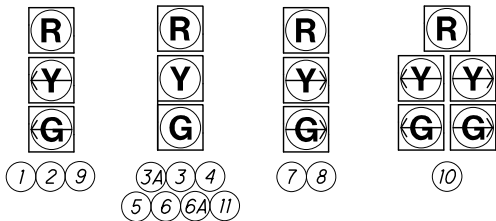


MATERIAL REQUIRED			
ITEM	QTY.	UNITS	DESCRIPTION
625	247	FT	CONDUIT, 2", 725.05
625	65	FT	CONDUIT, 3", 725.04
625	180	FT	CONDUIT, JACKED OR DRILLED, AS PER PLAN, 3"
625	3	EACH	PULL BOX, 725.08, 18"
625	1	EACH	PULL BOX, 725.08, 24"
625	6	EACH	GROUND ROD, AS PER PLAN
630	4	EACH	SIGN HANGER ASSEMBLY, SPANWIRE
630	19.0	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, POLYCARB., APP
632	4	EACH	BREAKAWAY TETHER CONNECTION
632	375	FT	MESSENGER WIRE, 7 STRAND, 1/4" DIA. WITH ACCESSORIES, APP
632	375	FT	MESSENGER WIRE, 7 STRAND, 3/8" DIA. WITH ACCESSORIES
632	335	FT	INTERCONNECT CABLE, 6-PAIR, NO. 19 AWG, SOLID, REA (PE-39)
632	1277	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	4	EACH	STRAIN POLE FOUNDATION, AS PER PLAN
632	243	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/ LIGHT POLE EXTENSION
632	1	EACH	SIGNALIZATION, MISC.: METER BASE, 125 AMP WITH BYPASS
625	2	EACH	30' LUMINAIRE ARM
632	3	EACH	VIDEO DETECTION CAMERA
632	1	EACH	VIDEO DETECTION SYSTEM HARDWARE
633	1	EACH	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS1
633	1	EACH	CABINET FOUNDATION
633	1	EACH	CONTROLLER WORK PAD, AS PER PLAN
633	1	EACH	UPS, 1000 WATT, AS PER PLAN, W/ ENCLOSURE

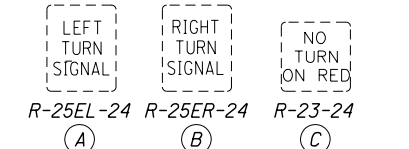
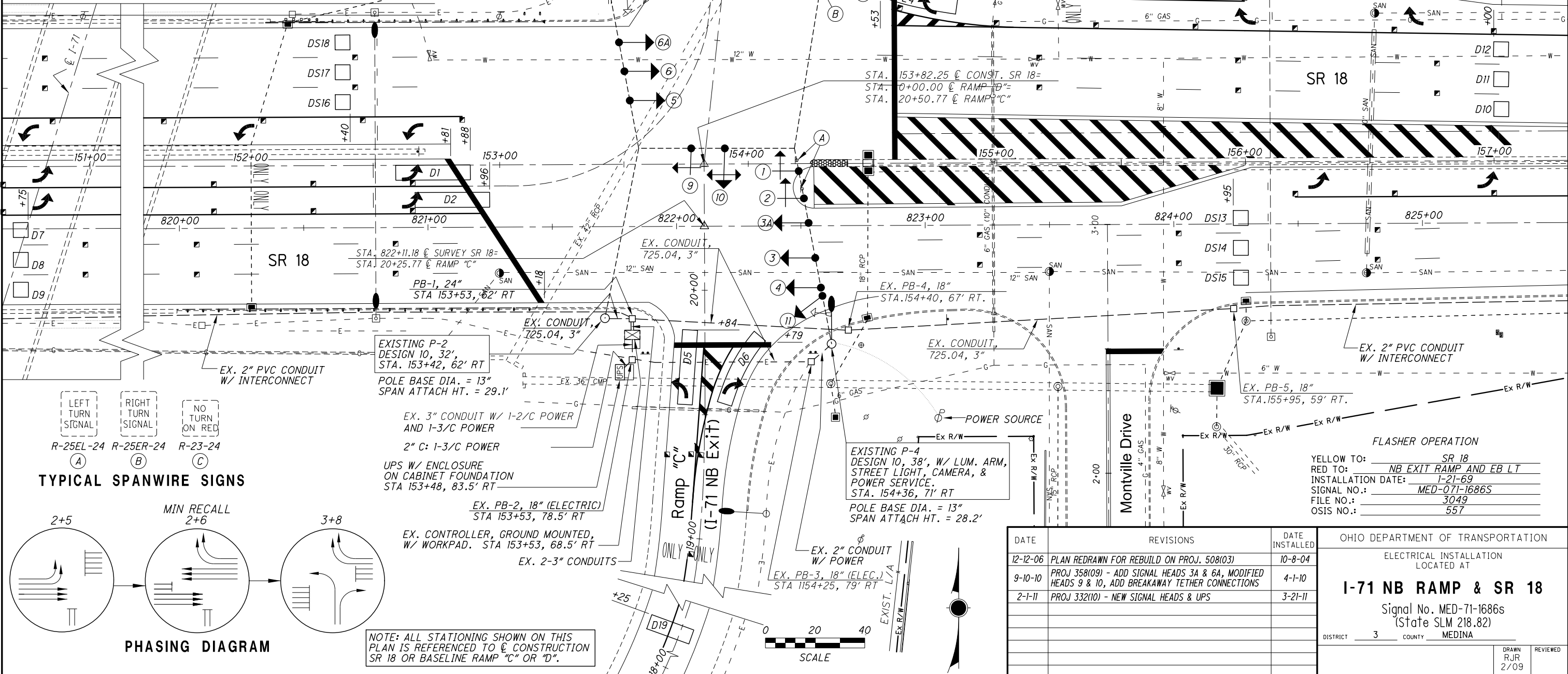


TYPICAL SIGNAL HEADS
 BLACK POLYCARBONATE W/ 12" LED LAMPS
 NOTE: SIGNAL HEADS 1, 2, 3, 3A, 4 & 11 HAVE TUNNEL VISORS.

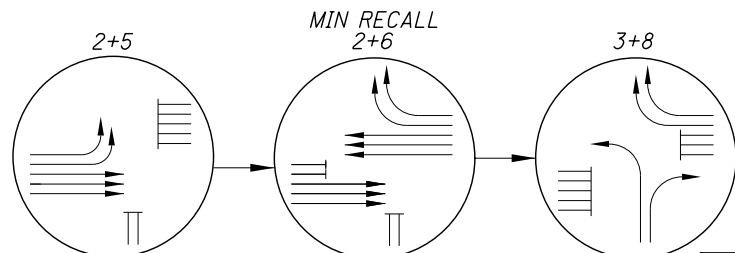
POLE BASE DIA. = 13"
 SPAN ATTACH HT. = 29.6'
 EXISTING P-1
 DESIGN 10, 38", COMBINATION
 SUPPORT W/ LUMINAIRE ARM,
 STREET LIGHT, TC-9.10 SIGN
 SUPPORT, & 2 CAMERAS.
 STA. 153+44.6, 69' LT

DETECTOR ZONE CHART					
DETECTION ZONE	SIZE	MODE	DELAY (SEC.)	PHASE	REMARKS
D1	6' x 30'	PRESENCE	*	5	
D2	6' x 30'	PRESENCE		5	
D3	6' x 30'	PRESENCE		6	
D4	6' x 30'	PRESENCE	10	6	
D5	6' x 30'	PRESENCE		3	
D6	6' x 30'	PRESENCE	10	8	
D7,8,9	6'x6'	PULSE		2	
D10,11,12	6' x 6'	PULSE		6	
DS13,S14,S15	6' x 6'	PULSE			SYSTEM ZONES
DS16,S17,S18	6' x 6'	PULSE			SYSTEM ZONES
D19	6' x 18'	PULSE	2	3+8	

* INHIBIT DELAY DURING ASSOCIATED PHASE GREEN INTERVAL



TYPICAL SPANWIRE SIGNS



PHASING DIAGRAM

NOTE: ALL STATIONING SHOWN ON THIS PLAN IS REFERENCED TO CONSTRUCTION SR 18 OR BASELINE RAMP "C" OR "D".

FLASHER OPERATION
 YELLOW TO: SR 18
 RED TO: NB EXIT RAMP AND EB LT
 INSTALLATION DATE: 1-21-69
 SIGNAL NO.: MED-071-16865
 FILE NO.: 3049
 OSIS NO.: 557

DATE	REVISIONS	DATE INSTALLED
12-12-06	PLAN REDRAWN FOR REBUILD ON PROJ. 508(03)	10-8-04
9-10-10	PROJ 358(09) - ADD SIGNAL HEADS 3A & 6A, MODIFIED HEADS 9 & 10, ADD BREAKAWAY TETHER CONNECTIONS	4-1-10
2-1-11	PROJ 332(10) - NEW SIGNAL HEADS & UPS	3-21-11

OHIO DEPARTMENT OF TRANSPORTATION
 ELECTRICAL INSTALLATION
 LOCATED AT
I-71 NB RAMP & SR 18
 Signal No. MED-71-1686s
 (State SLM 218.82)
 DISTRICT 3 COUNTY MEDINA

DESIGN FILE: I:\FIELD\VELECTRICAL\SIGNAL\DN\M71&18NB.dgn
 WORKSTATION: rronev DATE: 6/1/2011