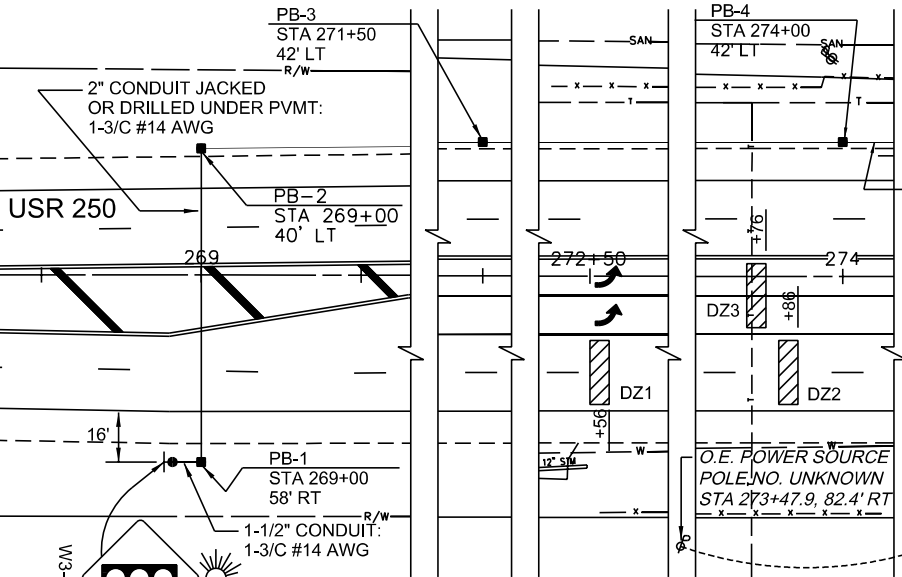


DESIGN FILE: I:\FIELD\N\ELECTRICAL\SIGNAL\DGN\E250&Kalahari.dgn
WORKSTATION: rroney DATE: 9/16/2010

EXISTING MATERIAL			
ITEM	QTY.	UNITS	DESCRIPTION
625	2	EACH	CONNECTOR KIT, TYPE III
625	4	EACH	CONNECTOR KIT, TYPE VIII
625	2	EACH	LIGHT POLE FOUNDATION, 24"x6" DEEP, APP
625	1603	LIN.FT.	CONDUIT, 713.07, 1-1/2"
625	35	LIN.FT.	CONDUIT, 713.04, 2"
625	28	LIN.FT.	CONDUIT, 713.04, 3"
625	417	LIN.FT.	CONDUIT JACKED OR DRILLED UNDER PAVEMENT, 2"
625	13	EACH	PULL BOX, 713.08, 18"
625	5	EACH	GROUND ROD, AS PER PLAN
630	3	EACH	SIGN HANGER ASSEMBLY, SPANWIRE, AS PER PLAN
630	50.44	SQ.FT.	SIGN, FLAT SHEET, TYPE G, APP
631	2	EACH	PHOTOELECTRIC CONTROL
631	2	EACH	SIGN FLASHER ASSEMBLY
632	8	EACH	VEHICULAR SIGNAL HEAD, 3-SECT., 12" LENS, 1-WAY
632	4	EACH	BREAKAWAY TETHER POLE CONNECTION
632	350	LIN.FT.	MESSENGER WIRE, 7-STRAND, 1/4" DIA. W/ ACC.
632	350	LIN.FT.	MESSENGER WIRE, 7-STRAND, 3/8" DIA. W/ ACC.
632	2157	LIN.FT.	SIGNAL CABLE, 3/C, NO. 14 AWG
632	464	LIN.FT.	SIGNAL CABLE, 5/C, NO. 14 AWG
632	268	LIN.FT.	SIGNAL CABLE, 7/C, NO. 14 AWG
632	4	EACH	STRAIN POLE FOUNDATION, APP
632	48	LIN.FT.	POWER CABLE, 2/C, NO. 6 AWG
632	35	LIN.FT.	POWER CABLE, 3/C, NO. 6 AWG
632	193	LIN.FT.	SERVICE CABLE, 3/C, NO. 6 AWG
632	2	EACH	POWER SERVICE, APP
632	4	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 10, APP
632	1	EACH	METER BASE, 100 AMP, WITH BYPASS
632	2	EACH	STRAIN POLE, 7.5" DIA., 10.5" BOLT CIRCLE, 11 GA, 15', APP
632	2	EACH	STRAIN POLE EXTENSION WITH 30' LUMINAIRE ARM, APP
632	3	EACH	VIDEO DETECTION CAMERA
632	1	EACH	VIDEO DETECTION SYSTEM CABINET HARDWARE
632	1	EACH	BATTERY BACKUP SYSTEM W/O ENCLOSURE

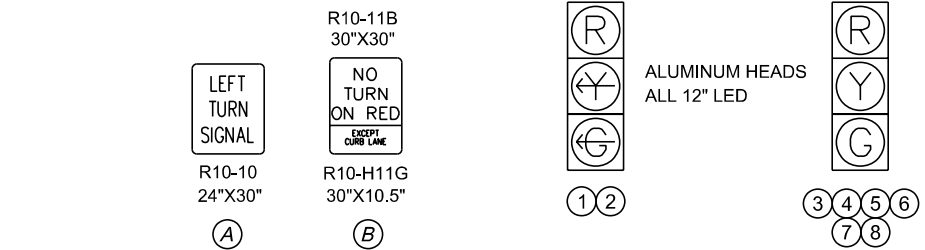


DETECTOR ZONE CHART

LOOP	SIZE (FT.)	MODE	DELAY (SEC.)	ASSOCIATED CONTROLLER PHASE	COMMENTS
DZ1	6x20	PULSE		2	
DZ2	6x20	PULSE		2	
DZ3	6x20	PULSE	3 *	5	
DZ4	20x60	PRESENCE	3 *	5	
DZ5	6x20	PRESENCE		6	
DZ6	6x20	PRESENCE		6	
DZ7	SEE DETAIL	PRESENCE	10 *	4	
DZ8	8x50	PRESENCE	3 *	4	

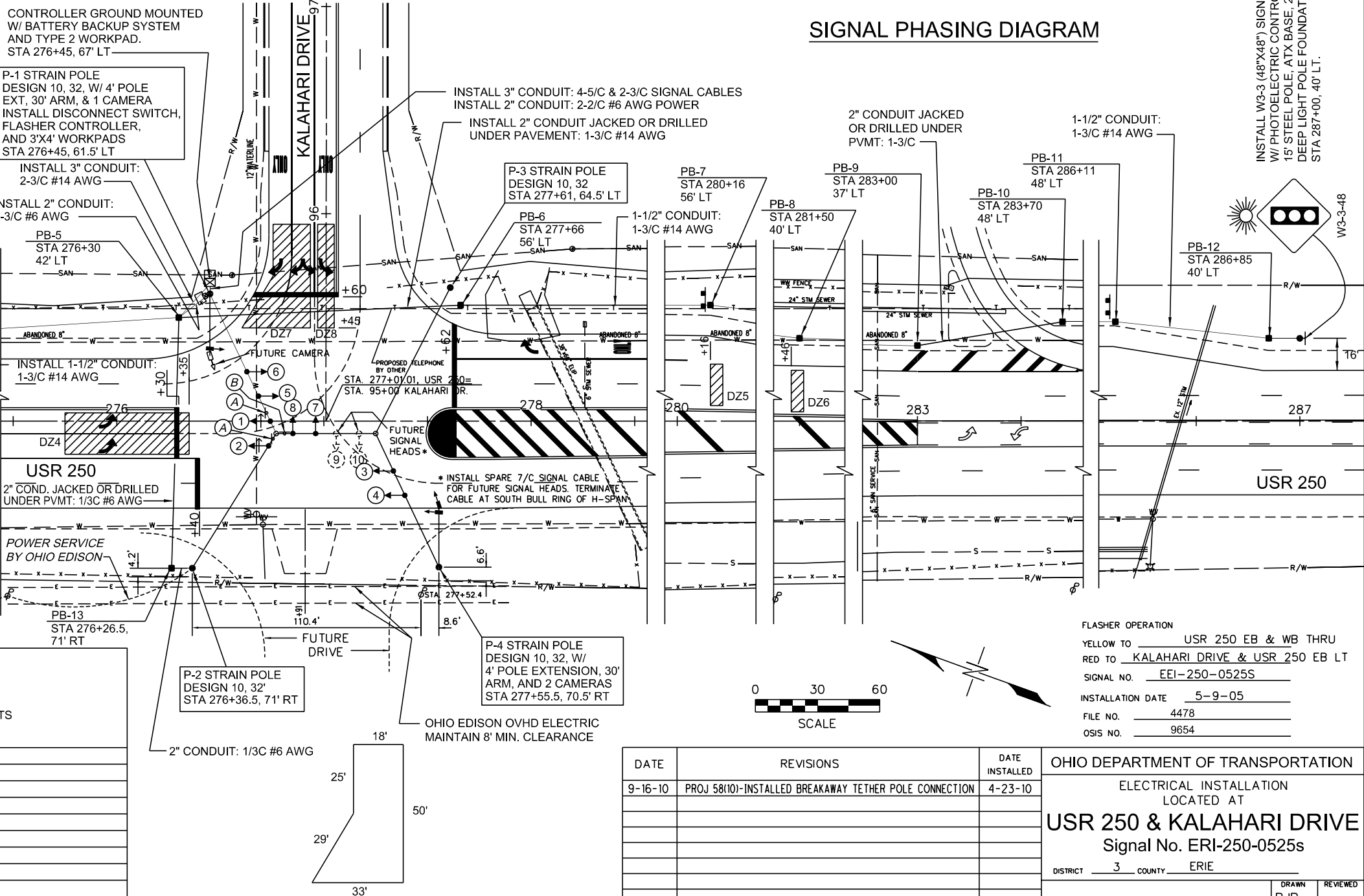
* INHIBIT DELAY DURING ASSOCIATED PHASE GREEN INTERVAL

EXISTING MATERIAL			
ITEM	QTY.	UNITS	DESCRIPTION
633	1	EACH	CONTROLLER ACTUATED, 8-PH., SOLID-STATE DIGITAL MICROPRO., APP
633	1.54	CU.YD.	CONCRETE FOR CABINET FOUNDATION (TYPE 2)
633	22.4	SQ.FT.	CONCRETE WORKPAD (30"X50" AND 36"X48")
633	1	EACH	FLASHER CONTROLLER



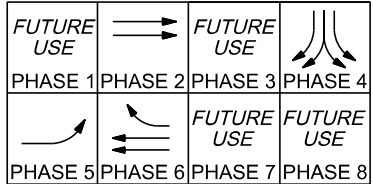
SPANWIRE MOUNTED SIGNS

SIGNAL INDICATIONS



DETAIL DZ7

PHASING IDENTIFICATION



PHASE 2 & 5

PHASE 2 & 6

PHASE 4

SIGNAL PHASING DIAGRAM

FLASHER OPERATION
YELLOW TO USR 250 EB & WB THRU
RED TO KALAHARI DRIVE & USR 250 EB LT
SIGNAL NO. EEI-250-0525S
INSTALLATION DATE 5-9-05
FILE NO. 4478
OSIS NO. 9654

DATE	REVISIONS	DATE INSTALLED	OHIO DEPARTMENT OF TRANSPORTATION	
9-16-10	PROJ 58(10)-INSTALLED BREAKAWAY TETHER POLE CONNECTION	4-23-10	ELECTRICAL INSTALLATION LOCATED AT USR 250 & KALAHARI DRIVE Signal No. ERI-250-0525s	
			DISTRICT 3 COUNTY ERIE	
			DRAWN RJR 1-05	REVIEWED