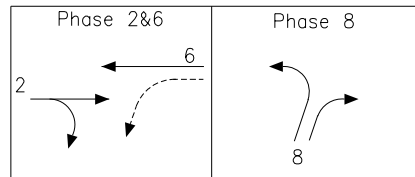


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WORKSTATION: rrone DATE: 7/15/2011

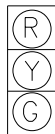
EXISTING MATERIAL

ITEM	QTY.	DESCRIPTION
625	300'	CONDUIT, 725.04, 1"
625	50'	CONDUIT, 725.04, 2"
625	10'	CONDUIT, 725.04, 3"
625	8	PULL BOX, 725.08, 18"
625	1	GROUND ROD, AS PER PLAN
632	6	VEHICULAR SIGNAL HEAD, 3 SECTION, 12" LENS, 1-WAY
632	5	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE
632	99'	MESSENGER WIRE, 7 STRAND, 3/8" DIAMETER WITH ACCESSORIES
632	335'	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	2	SIGNAL SUPPORT FOUNDATION
632	776'	LOOP DETECTOR LEAD-IN CABLE, INTEGRAL MESSENGER WIRE TYPE, NO. 14 AWG, AS PER PLAN, SHIELDED, 2 CONDUCTOR
632	602'	LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG
632	14'	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG
632	40'	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
632	1	POWER SERVICE, AS PER PLAN
632	1	CONDUIT RISER, 2" DIAMETER
632	1	SIGNALIZATION, MISC.: METER BASE, 100 AMP WITH BYPASS
632	1	SIGNAL SUPPORT DESIGN SPECIAL WITH 48' ARM
632	990'	LOOP DETECTOR WIRE, TYPE E
633	1	CONTROLLER, ACTUATED, 8 PHASE, SOLID STATE DIGITAL MICROPROCESSOR, W/ INTERNAL TIME BASE COORDINATION.
633	12 S.F.	CONTROLLER WORK PAD

PHASING DIAGRAM

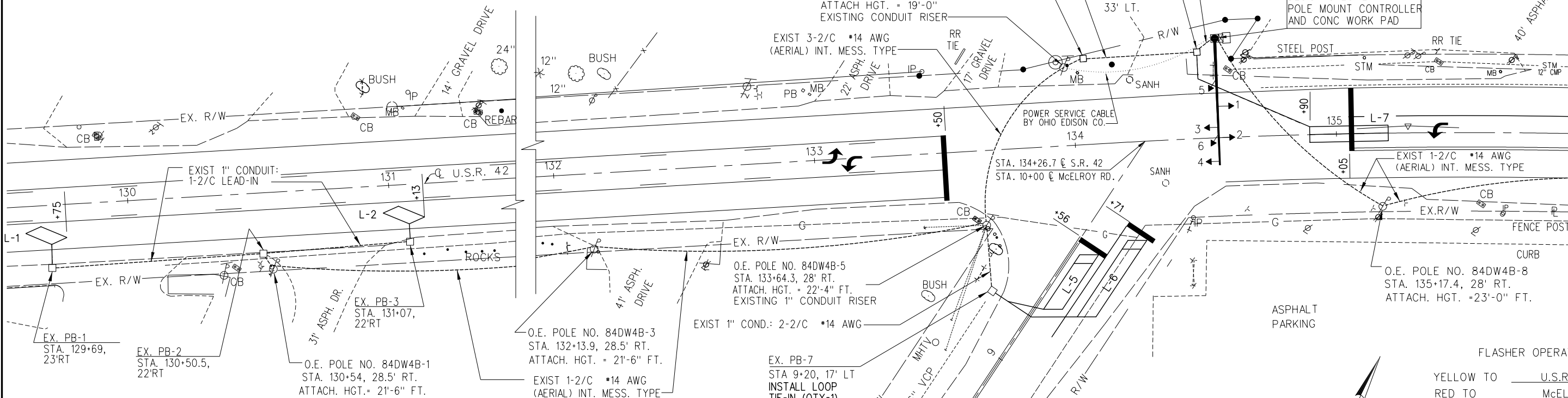
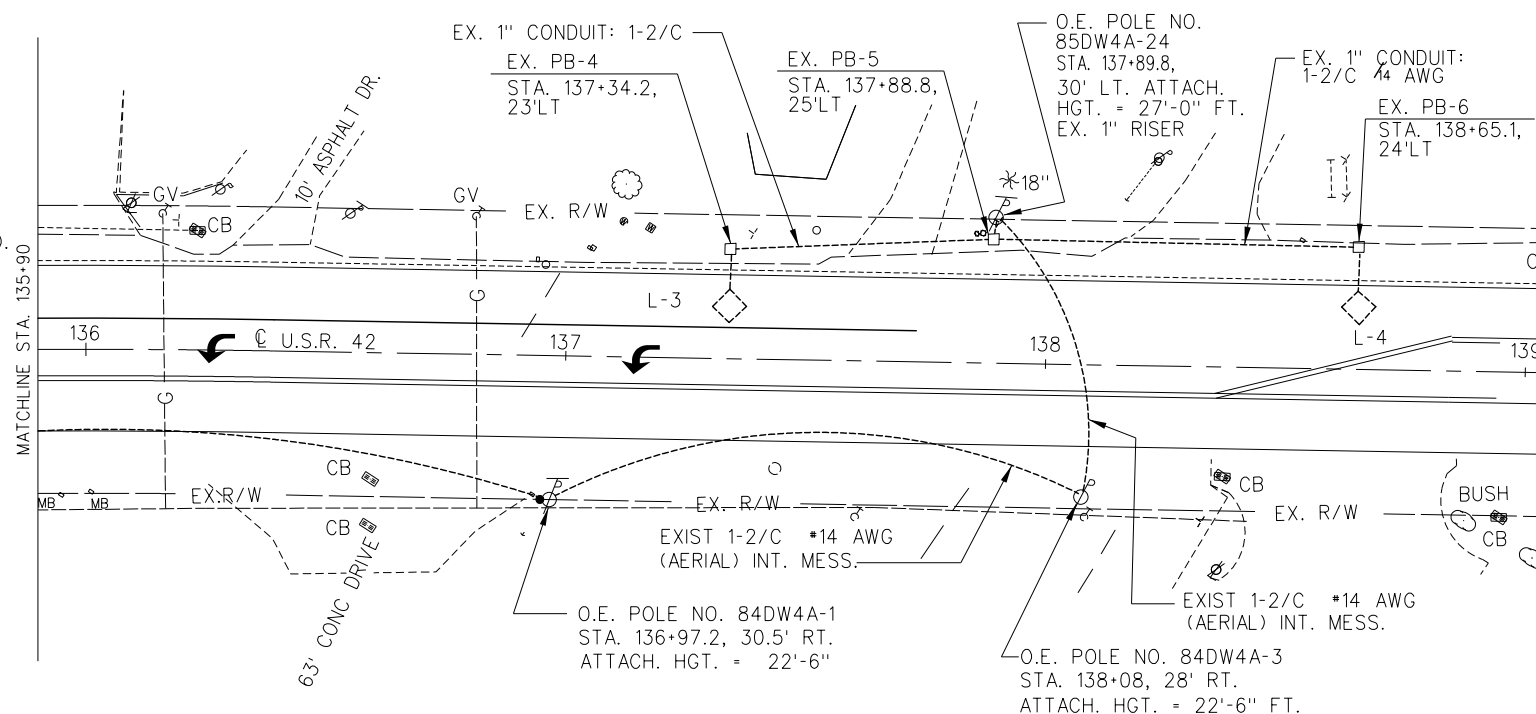
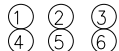


NOTE: PHASES 1, 3, 4, 5 AND 7 NOT USED.



SIGNAL INDICATIONS

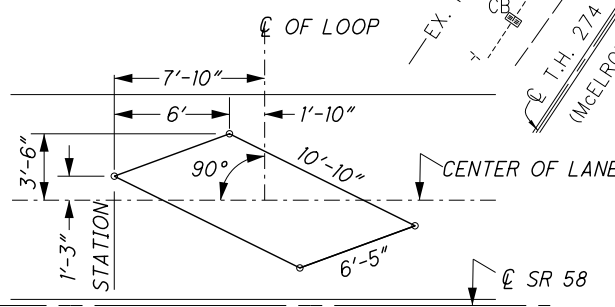
ALL 12" ALUMINUM W/ TUNNEL VISORS



LOOP DETECTOR CHART

LOOP	SIZE (F.T.)	NO. OF TURNS	MODE	DELAY (SEC.)	CONNECT TO DETECTOR UNIT NO.	ASSOCIATED CONTROLLER PHASE	COMMENTS
L - 1	6.4 X 10.8	4	PULSE		1	2	ADD LOOP
L - 2	6.4 X 10.8	4	PULSE		1	2	ADD LOOP
L - 3	5' X 5'	3	PULSE		2	6	
L - 4	5' X 5'	3	PULSE		2	6	
L - 5	6 X 25	3+3	PRESENCE	2 *	3	4	POWERHEAD LOOP
L - 6	6 X 35	3+3	PRESENCE	10 *	4	4	POWERHEAD LOOP
L - 7	6 X 30	3+3	PRESENCE		5	6	QUADRUPOLE LOOP

* DELAY INHIBIT DURING ASSOCIATED GREEN.



ANGULAR DESIGN DETECTION (ADD) LOOP DETAIL

DATE	REVISIONS	DATE INSTALLED	OHIO DEPARTMENT OF TRANSPORTATION	
11-2-01	PLAN REDRAWN PER UPGRADE PROJ 43-01	3-4-02	ELECTRICAL INSTALLATION LOCATED AT	
6-9-10	PLAN REDRAWN PER LOOP UPGRADES PROJ 514-10	6-27-11	US 42 & McELROY RD	
			DISTRICT 3 COUNTY RICHLAND	
			DRAWN RJR 6/10	REVIEWED