

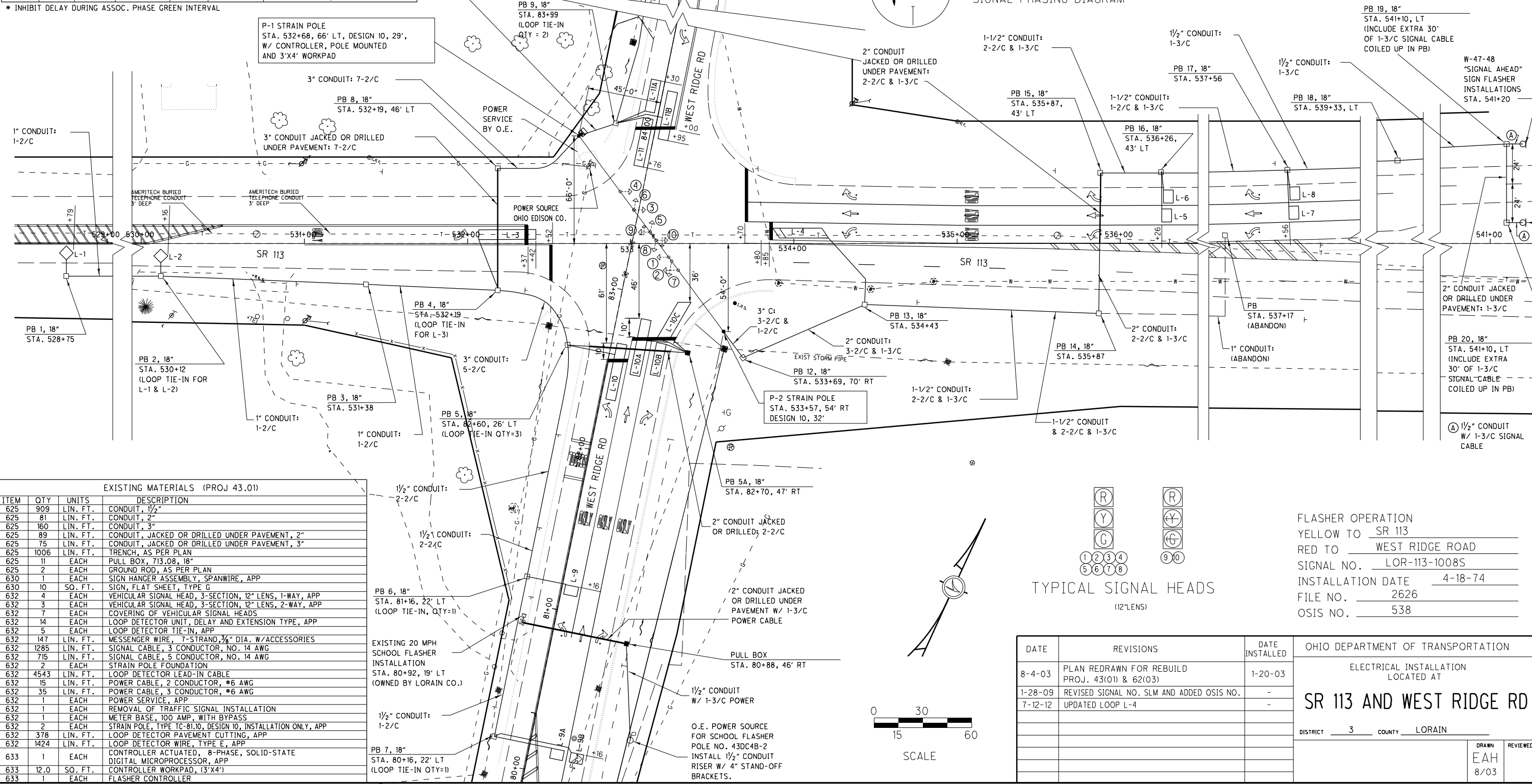
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WORKSTATION: cloughre DATE: 7/12/2012

LOOP DETECTOR CHART

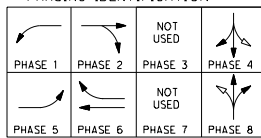
LOOP	SIZE (feet)	NO. OF TURNS	MODE	DELAY (sec.)	CONNECT TO DETECTOR UNIT NO.	ASSOC. CONTROLLER PHASE	COMMENTS
L-1	6X6	3	PULSE		1	2	EXISTING
L-2	6X6	3	PULSE		1	2	EXISTING
L-3	6X35	2	PRESENCE	2*	2	5	EXISTING
L-4	6X30	3+3	PRESENCE	2*	3	1	POWERHEAD
L-5	6X8	4	PULSE		4	6	EXISTING
L-6	6X8	4	PULSE		4	6	EXISTING
L-7	6X8	4	PULSE		5	6	EXISTING
L-8	6X8	4	PULSE		5	6	EXISTING
L-9	6X8	4	PULSE	3*	6	8	EXISTING
L-9A	6X8	4	PULSE	3*	7	8	NEW
L-9B	6X8	4	PULSE	3*	7	8	NEW
L-10	6X35	3	PRESENCE	2*	8	8	NEW
L-10A	6X35	3	PRESENCE	10*	9	8	NEW
L-10B	6X20	3	PRESENCE	10*	10	8	NEW
L-10C	8X25	3	PRESENCE	10*	10	8	NEW
L-11	6X30	3	PRESENCE	10*	11	4	EXISTING
L-11A	6X20	3	PRESENCE	10*	11	4	NEW
L-11B	6X30	3	PRESENCE		12	4	NEW
L-12	6X8	3	PULSE	3*	13	4	EXISTING
L-12A	6X8	3	PULSE	3*	13	4	NEW
L-13	6X8	3	PULSE	3*	14	4	EXISTING

* INHIBIT DELAY DURING ASSOC. PHASE GREEN INTERVAL

P-1 STRAIN POLE
STA. 532+68, 66' LT, DESIGN 10, 29',
W/ CONTROLLER, POLE MOUNTED
AND 3'X4' WORKPAD



PHASING IDENTIFICATION



SIGNAL PHASING DIAGRAM

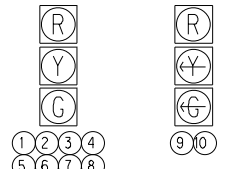
MATERIALS REQUIRED - PROJ 62(03)

REF.#	ITEM	QTY	UNITS	DESCRIPTION
4	625	2	EACH	CONNECTOR KIT, TYPE III
5	625	4	EACH	CONNECTOR KIT, TYPE VIII, CU
6	625	2	EACH	LIGHT POLE FOUNDATION, 24"X6" DEEP, APP
8	625	58	LIN. FT.	CONDUIT, 1/2"
11	625	138	LIN. FT.	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 2"
13	625	58	LIN. FT.	TRENCH, AS PER PLAN
16	625	2	EACH	PULL BOX, 713.08, 18"
20	625	2	EACH	GROUND ROD, AS PER PLAN
24	630	32	SQ. FT.	SIGN, FLAT SHEET, TYPE G
29	631	1	EACH	PHOTOELECTRIC CONTROL
30	631	2	EACH	SIGN FLASHER ASSEMBLY
41	632	8	EACH	LOOP DETECTOR TIE-IN, APP
42	632	147	LIN. FT.	MESSENGER WIRE, 7-STRAND, 1/4" DIAMETER W/ACCESSORIES
51	632	168	LIN. FT.	LOOP DETECTOR LEAD-IN CABLE, 2/C, NO. 14 AWG
53	632	200	LIN. FT.	POWER CABLE, 3/C, NO. 6 AWG
57	632	1	EACH	CONDUIT RISER, 1/2" DIAMETER
77	632	1	EACH	REMOVE & REINSTALL VEHICULAR SIGNAL HEAD, APP
78	632	2	EACH	STEEL STRAIN POLE, 7.5" DIA., 10.5" BOLT CIRCLE, 11 GAUGE, 15', AS PER PLAN
85	632	669	LIN. FT.	LOOP DETECTOR PAVEMENT CUTTING, APP (IN RESURFACED AREAS)
87	632	2296	LIN. FT.	LOOP DETECTOR WIRE, TYPE E, APP (IN RESURFACED AREAS)
88	632	35	LIN. FT.	REMOVE & REINSTALL LASHING RODS

EXISTING MATERIALS (PROJ 43.01)

ITEM	QTY	UNITS	DESCRIPTION
625	909	LIN. FT.	CONDUIT, 1/2"
625	81	LIN. FT.	CONDUIT, 2"
625	160	LIN. FT.	CONDUIT, 3"
625	89	LIN. FT.	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 2"
625	75	LIN. FT.	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 3"
625	1006	LIN. FT.	TRENCH, AS PER PLAN
625	11	EACH	PULL BOX, 713.08, 18"
625	2	EACH	GROUND ROD, AS PER PLAN
630	1	EACH	SIGN HANGER ASSEMBLY, SPANWIRE, APP
630	10	SQ. FT.	SIGN, FLAT SHEET, TYPE G
632	4	EACH	VEHICULAR SIGNAL HEAD, 3-SECTION, 12" LENS, 1-WAY, APP
632	3	EACH	VEHICULAR SIGNAL HEAD, 3-SECTION, 12" LENS, 2-WAY, APP
632	7	EACH	COVERING OF VEHICULAR SIGNAL HEADS
632	14	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, APP
632	5	EACH	LOOP DETECTOR TIE-IN, APP
632	147	LIN. FT.	MESSENGER WIRE, 7-STRAND, 1/4" DIA. W/ACCESSORIES
632	1285	LIN. FT.	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG
632	715	LIN. FT.	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	2	EACH	STRAIN POLE FOUNDATION
632	4543	LIN. FT.	LOOP DETECTOR LEAD-IN CABLE
632	15	LIN. FT.	POWER CABLE, 2 CONDUCTOR, #6 AWG
632	35	LIN. FT.	POWER CABLE, 3 CONDUCTOR, #6 AWG
632	1	EACH	POWER SERVICE, APP
632	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION
632	1	EACH	METER BASE, 100 AMP, WITH BYPASS
632	2	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 10, INSTALLATION ONLY, APP
632	378	LIN. FT.	LOOP DETECTOR PAVEMENT CUTTING, APP
632	1424	LIN. FT.	LOOP DETECTOR WIRE, TYPE E, APP
633	1	EACH	CONTROLLER ACTUATED, 8-PHASE, SOLID-STATE DIGITAL MICROPROCESSOR, APP
633	12.0	SQ. FT.	CONTROLLER WORKPAD, (3'X4')
633	1	EACH	FLASHER CONTROLLER

TYPICAL SIGNAL HEADS



FLASHER OPERATION
YELLOW TO SR 113
RED TO WEST RIDGE ROAD
SIGNAL NO. LOR-113-1008S
INSTALLATION DATE 4-18-74
FILE NO. 2626
OSIS NO. 538

DATE	REVISIONS	DATE INSTALLED	OHIO DEPARTMENT OF TRANSPORTATION
8-4-03	PLAN REDRAWN FOR REBUILD PROJ. 43(01) & 62(03)	1-20-03	ELECTRICAL INSTALLATION LOCATED AT
1-28-09	REVISED SIGNAL NO. SLM AND ADDED OSIS NO.	-	SR 113 AND WEST RIDGE RD
7-12-12	UPDATED LOOP L-4	-	DISTRICT 3 COUNTY LORAIN
			DRAWN EAH 8/03
			REVIEWED