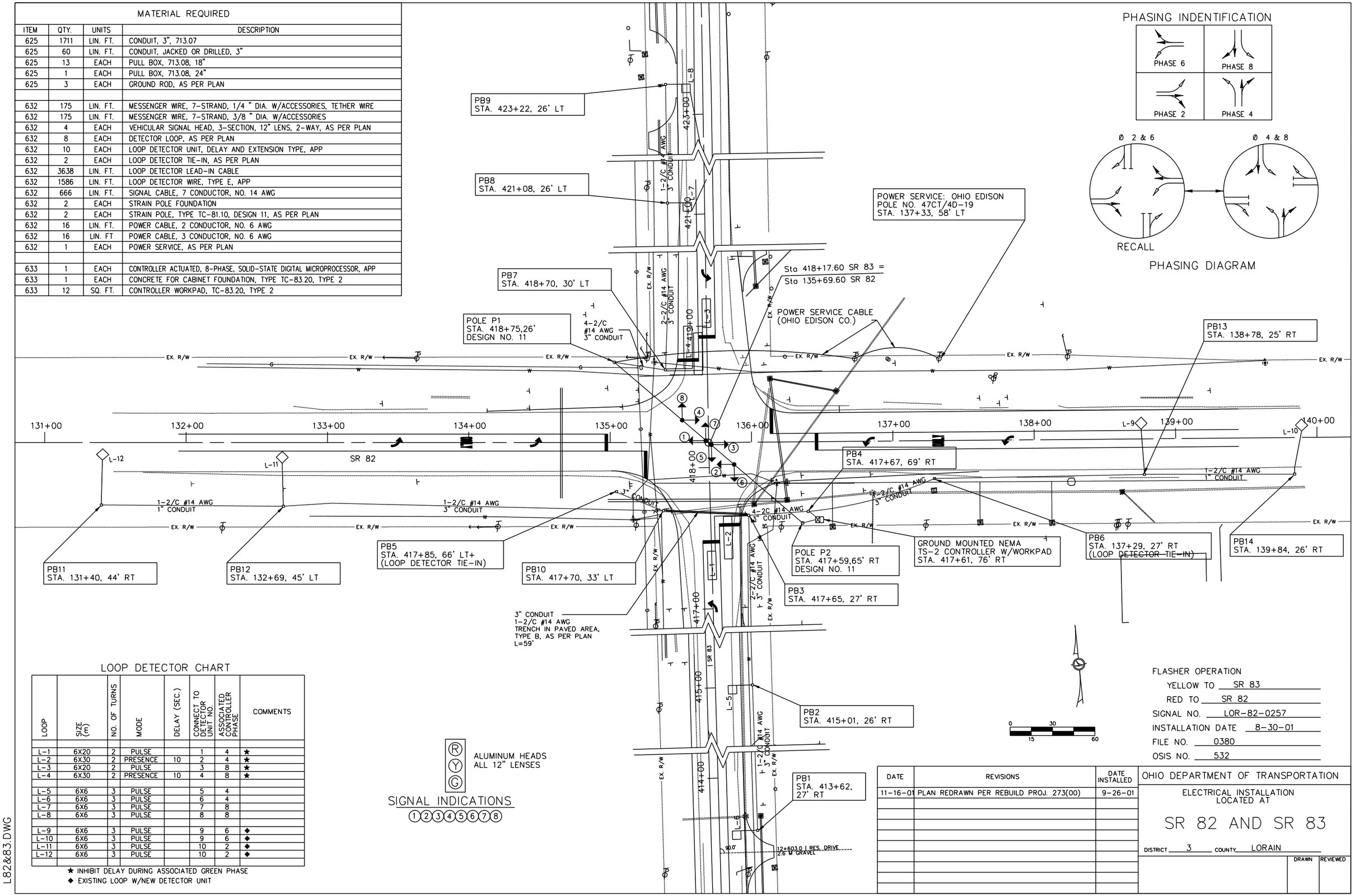
MATERIAL REQUIRED

ITEM	QTY.	UNITS	DESCRIPTION
625	1711	LIN. FT.	CONDUIT, 3", 713.07
625	60	LIN. FT.	CONDUIT, JACKED OR DRILLED, 3"
625	13	EACH	PULL BOX, 713.08, 18"
625	1	EACH	PULL BOX, 713.08, 24"
625	3	EACH	GROUND ROD, AS PER PLAN
632	175	LIN. FT.	MESSENGER WIRE, 7-STRAND, 1/4 " DIA. W/ACCESSORIES, TETHER WIRE
632	175	LIN. FT.	MESSENGER WIRE, 7-STRAND, 3/8 " DIA. W/ACCESSORIES
632	4	EACH	VEHICULAR SIGNAL HEAD, 3-SECTION, 12" LENS, 2-WAY, AS PER PLAN
632	8	EACH	DETECTOR LOOP, AS PER PLAN
632	10	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, APP
632	2	EACH	LOOP DETECTOR TIE-IN, AS PER PLAN
632	3638	LIN. FT.	LOOP DETECTOR LEAD-IN CABLE
632	1586	LIN. FT.	LOOP DETECTOR WIRE, TYPE E, APP
632	666	LIN. FT.	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	2	EACH	STRAIN POLE FOUNDATION
632	2	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 11, AS PER PLAN
632	16	LIN. FT.	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG
632	16	LIN. FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
632	1	EACH	POWER SERVICE, AS PER PLAN
633	1	EACH	CONTROLLER ACTUATED, 8-PHASE, SOLID-STATE DIGITAL MICROPROCESSOR, APP
633	1	EACH	CONCRETE FOR CABINET FOUNDATION, TYPE TC-83.20, TYPE 2
633	12	SQ. FT.	CONTROLLER WORKPAD, TC-83.20, TYPE 2



LOOP DETECTOR CHART

LOOP	SIZE (m)	NO. OF TURNS	MODE	DELAY (SEC.)	CONNECT TO DETECTOR UNIT NO.	ASSOCIATED CONTROLLER PHASE	COMMENTS
L-1	6X20	2	PULSE		1	4	★
L-2	6X30	2	PRESENCE	10	2	4	★
L-3	6X20	2	PULSE		3	8	★
L-4	6X30	2	PRESENCE	10	4	8	★
L-5	6X6	3	PULSE		5	4	
L-6	6X6	3	PULSE		6	4	
L-7	6X6	3	PULSE		7	8	
L-8	6X6	3	PULSE		8	8	
L-9	6X6	3	PULSE		9	6	◆
L-10	6X6	3	PULSE		9	6	◆
L-11	6X6	3	PULSE		10	2	◆
L-12	6X6	3	PULSE		10	2	◆

★ INHIBIT DELAY DURING ASSOCIATED GREEN PHASE
◆ EXISTING LOOP W/NEW DETECTOR UNIT

R Y G
ALUMINUM HEADS
ALL 12" LENSES

SIGNAL INDICATIONS
1 2 3 4 5 6 7 8

FLASHER OPERATION
YELLOW TO SR 83
RED TO SR 82
SIGNAL NO. LOR-82-0257
INSTALLATION DATE 8-30-01
FILE NO. 0380
OSIS NO. 532

DATE	REVISIONS	DATE INSTALLED
11-16-01	PLAN REDRAWN PER REBUILD PROJ. 273(00)	9-26-01

OHIO DEPARTMENT OF TRANSPORTATION
ELECTRICAL INSTALLATION
LOCATED AT
SR 82 AND SR 83
DISTRICT 3 COUNTY LORAIN
DRAWN REVIEWED

L82&83.DWG