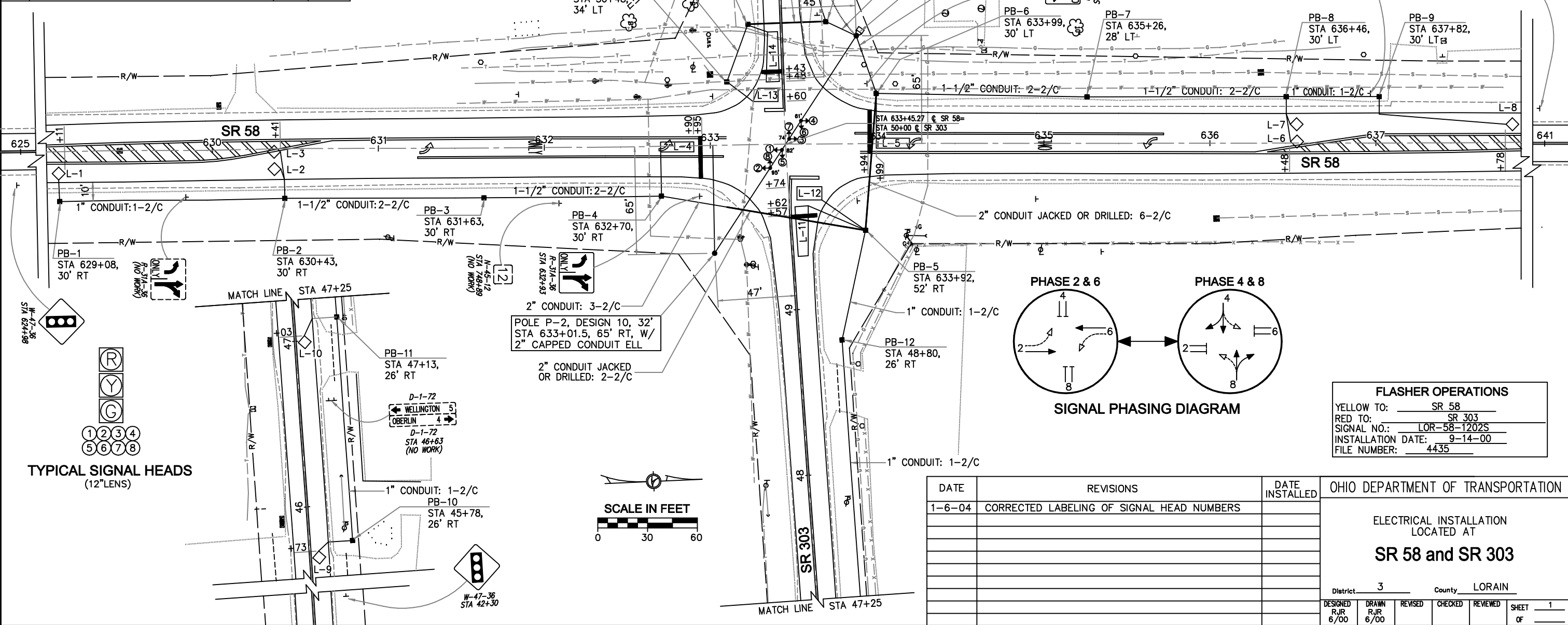


MATERIAL REQUIRED (PROJ. 16-99)			
REF. NO.	DESCRIPTION	QTY.	UNIT
6	CONDUIT, 1", 713.04	995	LIN.FT.
7	CONDUIT, 1-1/2", 713.04	474	LIN.FT.
8	CONDUIT, 2", 713.04	112	LIN.FT.
9	CONDUIT, 3", 713.04	37	LIN.FT.
10	CONDUIT, JACKED OR DRILLED UNDER PAVEMENT, 2"	162	LIN.FT.
12	TRENCH, AS PER PLAN	683	LIN.FT.
15	PULL BOX, 713.08, 18"	18	EACH
18	GROUND ROD, AS PER PLAN	3	EACH
29	VEHICULAR SIGNAL HEAD, 3-SECTION, 12" LENS, 2-WAY	4	EACH
34	COVERING OF VEHICULAR SIGNAL HEAD	4	EACH
36	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, APP	12	EACH
38	MESSENGER WIRE, 7-STRAND, 3/8" DIA., W/ ACCES.	157	LIN.FT.
40	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	526	LIN.FT.
44	STRAIN POLE FOUNDATION, APP (3' DIA X 11" DEEP)	2	EACH
46	LOOP DETECTOR LEAD-IN CABLE, 2/C, NO. 14 AWG	3774	LIN.FT.
47	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	15	LIN.FT.
48	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	35	LIN.FT.
50	POWER SERVICE, AS PER PLAN	2	EACH
72	STRAIN POLE, TYPE TC-81.10, DESIGN 10, 32', INSTALL ONLY	2	EACH
74	LOOP DETECTOR PAVEMENT CUTTING, APP	746	LIN.FT.
76	LOOP DETECTOR WIRE, TYPE E, AS PER PLAN	2364	LIN.FT.
82	CONTROLLER, ACTUATED, 8-PHASE, SOLID STATE DIGITAL MICRO.	1	EACH
88	CONTROLLER WORKPAD (3'X4' EACH)	24.0	SQ.FT.

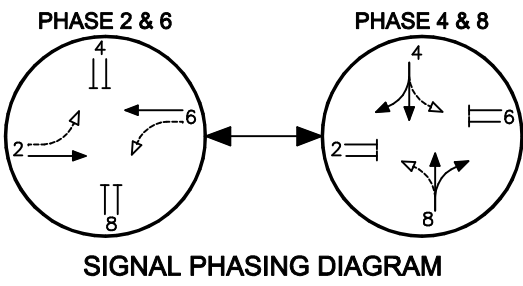
SIGNING & PAVEMENT MARKING QUANTITIES (PROJ. 16-99)			
REF. NO.	DESCRIPTION	QTY.	UNIT
20	SIGN HANGER ASSEMBLY, SPANWIRE, APP	2	EACH
21	SIGN ERECTED, FLAT SHEET, AS PER PLAN	58	SQ.FT.
22	REMOVAL OF GROUND MOUNTED SIGN	9	EACH
23	REMOVAL OF GROUND MOUNTED POST	6	EACH
91	STOP LINE, TYPE 2	79	LIN.FT.

LOOP DETECTOR CHART					
LOOP	SIZE (FEET)	TURNS	MODE	DELAY SEC.	ASSOC. PHASE
L-1	6X6	4	PULSE		1
L-2	6X6	3	PULSE		1
L-3	6X6	3	PULSE		2
L-4	6X20	2	PRESENCE	5*	3
L-5	6X20	2	PRESENCE	5*	4
L-6	6X6	3	PULSE		5
L-7	6X6	3	PULSE		6
L-8	6X6	3	PULSE		6
L-9	5X5	3	PULSE	3*	7
L-10	5X5	3	PULSE	3*	7
L-11	6X8X30	2	PRESENCE	10*	8
L-12	6X15	2	PRESENCE	10*	9
L-13	6X15	2	PRESENCE	10*	10
L-14	6X8X30	2	PRESENCE	10*	11
L-15	5X5	3	PULSE	3*	12
L-16	5X5	3	PULSE	3*	12

* INHIBIT DELAY DURING ASSOC. PHASE GREEN



TYPICAL SIGNAL HEADS
(12" LENS)



FLASHER OPERATIONS	
YELLOW TO:	SR 58
RED TO:	SR 303
SIGNAL NO.:	LOR-58-1202S
INSTALLATION DATE:	9-14-00
FILE NUMBER:	4435

DATE	REVISIONS	DATE INSTALLED
1-6-04	CORRECTED LABELING OF SIGNAL HEAD NUMBERS	

OHIO DEPARTMENT OF TRANSPORTATION					
ELECTRICAL INSTALLATION LOCATED AT					
SR 58 and SR 303					
District 3 County LORAIN					
DESIGNED RJR 6/00	DRAWN RJR 6/00	REVISED	CHECKED	REVIEWED	SHEET OF 1