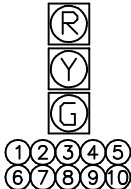


MATERIAL REQUIRED (PROJ. 62-03)				
REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT
4	625	CONNECTOR KIT, TYPE III	1	EACH
5	625	CONNECTOR KIT, TYPE VIII	2	EACH
6	625	LIGHT POLE FOUNDATION, 24" X 6" DEEP, AS PER PLAN	1	EACH
8	625	CONDUIT, 1-1/2", 713.07	787	LIN.FT.
9	625	CONDUIT, 2", 713.04	429	LIN.FT.
11	625	CONDUIT, JACKED OR DRILLED UNDER PVMT, 2"	92	LIN.FT.
13	625	TRENCH, AS PER PLAN	1185	LIN.FT.
14	625	TRENCH IN PAVED AREAS, TYPE A	31	LIN.FT.
16	625	PULL BOX, 713.08, 18"	12	EACH
20	625	GROUND ROD, AS PER PLAN	6	EACH
29	631	PHOTOELECTRIC CONTROL	1	EACH
111	631	SIGN FLASHER ASSEMBLY, AS PER PLAN	1	EACH
33	632	VEH. SIGNAL HEAD, 3-SECTION, 12" LENS, 1-WAY	11	EACH
38	632	COVERING OF VEHICULAR SIGNAL HEAD	11	EACH
40	632	LOOP DET. UNIT, DELAY AND EXTENSION TYPE, APP	7	EACH
42	632	MESSENGER WIRE, 7-STRAND, 1/4" DIA., W/ ACCES.	356	LIN.FT.
43	632	MESSENGER WIRE, 7-STRAND, 3/8" DIA., W/ ACCES.	356	LIN.FT.
45	632	SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG	1058	LIN.FT.
45	632	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	834	LIN.FT.
48	632	STRAIN POLE FOUNDATION, APP (3' DIA X 10' DEEP)	2	EACH
48	632	STRAIN POLE FOUNDATION, APP (3' DIA X 11' DEEP)	2	EACH
51	632	LOOP DETECTOR LEAD-IN CABLE, 2/C, NO. 14 AWG	2360	LIN.FT.
52	632	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG	65	LIN.FT.
53	632	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG	35	LIN.FT.
55	632	POWER SERVICE, AS PER PLAN	1	EACH
75	632	METER BASE, 100 AMP, WITH BYPASS	1	EACH
78	632	STEEL STRAIN POLE, 7.5" DIA, 10.5" BOLT CIRCLE, 11 GA, 15', APP	1	EACH
80	632	STRAIN POLE, TYPE TC-81.10, DESIGN 7, 30', INSTALLATION ONLY	2	EACH
61	632	STRAIN POLE, TYPE TC-81.10, DESIGN 7, 30'	2	EACH
84	632	LOOP DETECTOR WIRE, TYPE E, AS PER PLAN	2184	LIN.FT.
86	632	LOOP DETECTOR PAVEMENT CUTTING, APP	604	LIN.FT.
91	633	CONTROLLER, ACTUATED, 8-PHASE, SOLID STATE DIGITAL MICROPROCESSOR	1	EACH
94	633	CONCRETE FOR CABINET FOUNDATION	1.85	CU.YD.
95	633	CONTROLLER WORKPAD (3'X4' QTY=2, 2'-6"X4'-2" QTY=1)	34.4	SQ.FT.
96	633	FLASHER CONTROLLER	1	EACH
?	633	BATTERY BACKUP SYSTEM WITH ENCLOSURE	1	EACH

SIGNING & PAVEMENT MARKING QUANTITIES (PROJ. 62-03)				
REF. NO.	ITEM NO.	DESCRIPTION	QTY.	UNIT
21	630	GROUND MOUNTED SUPPORT, NO. 3 POST	75	LIN.FT.
23	630	SIGN HANGER ASSEMBLY, SPANWIRE	9	EACH
24	630	SIGN FLAT SHEET, TYPE G, APP	78.67	SQ.FT.
26	630	REMOVAL OF GROUND MOUNTED SIGN	9	EACH
27	630	REMOVAL OF GROUND MOUNTED POST	7	EACH
28	630	SIGN DATA COLLECTION	16*	EACH
101	644	STOP LINE	68	LIN.FT.
99	642	REMOVAL OF PAVEMENT MARKING	58	LIN.FT.

*SIGN DATA COLLECTION - CALCULATE SLM BY DIVIDING STATION BY 5280 AND ROUNDING TO NEAREST 0.001.

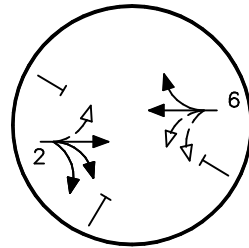


TYPICAL SIGNAL HEADS
(ALUMINUM W/ 12" LED LENS)
(TUNNEL VISORS ON HEADS 8, 9, & 10)

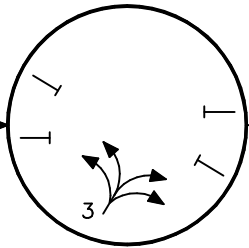


SPANWIRE MOUNTED SIGN

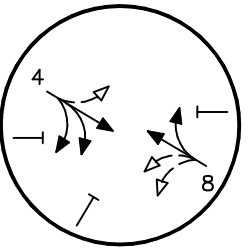
PHASE 2 & 6



PHASE 3



PHASE 4 & 8



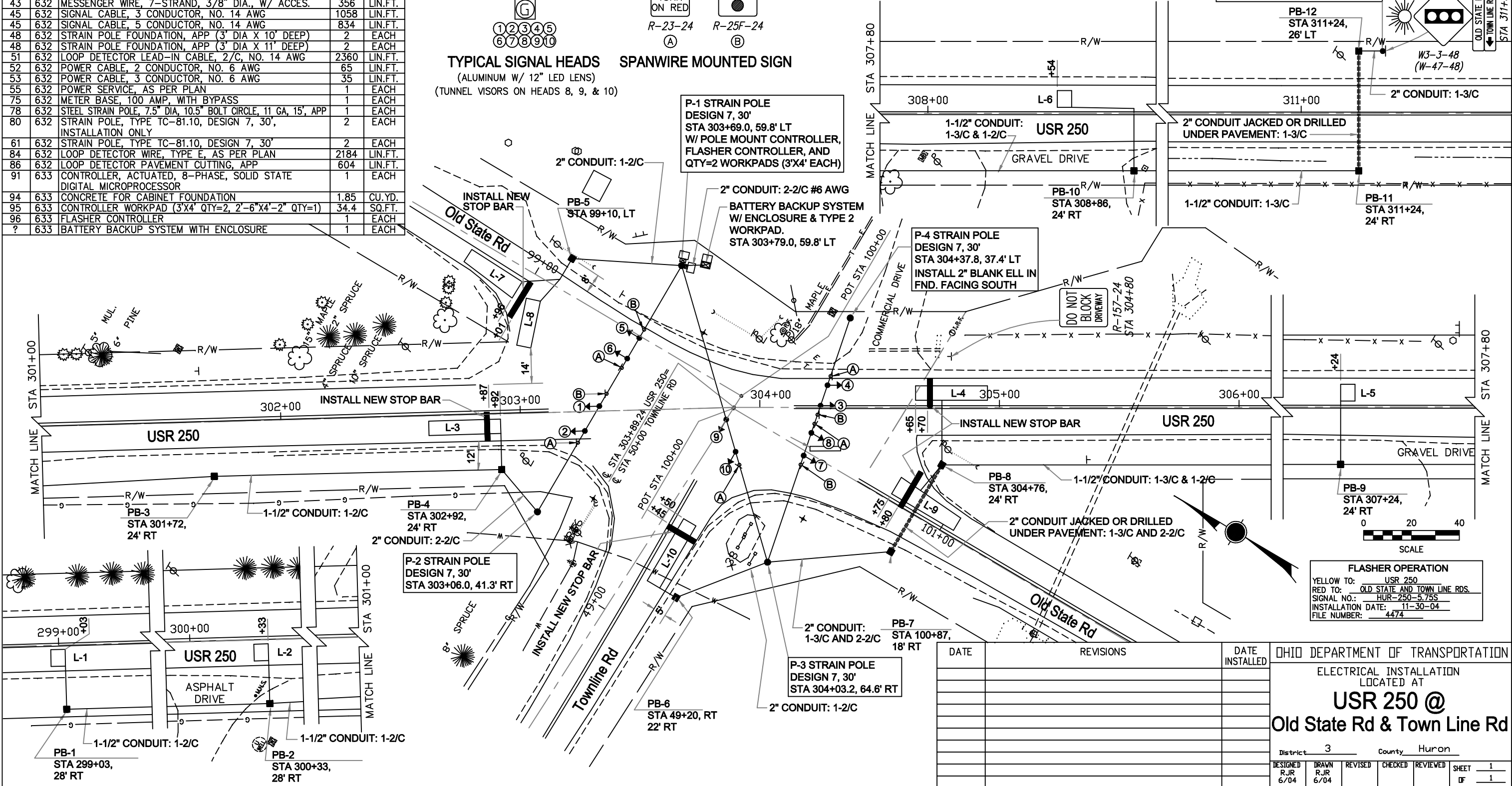
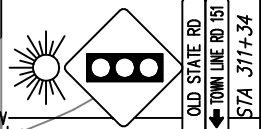
SIGNAL PHASING DIAGRAM

LOOP DETECTOR CHART

LOOP	SIZE (FEET)	TURNS	MODE	DELAY SEC.	UNIT	ASSOC. PHASE
L-1	6X7	4	PULSE		1	2
L-2	6X7	4	PULSE		1	2
L-3	6X30	3	PRESENCE		2	2
L-4	6X30	3	PRESENCE		3	6
L-5	6X7	4	PULSE		4	6
L-6	6X7	4	PULSE		4	6
L-7	6X8X30	3	PRESENCE	4*	5	4
L-8	6X20	3	PRESENCE	4*	5	4
L-9	6X8X30	3	PRESENCE	4*	6	8
L-10	6X30	3	PRESENCE	4*	7	3

* INHIBIT DELAY DURING ASSOC. PHASE GREEN

P-5 SIGN FLASHER
15' STEEL POLE ON ATX BASE
AND 6'X2' DIA. LIGHT POLE FND.
STA 311+34, 26' LT



FLASHER OPERATION			
YELLOW TO:	USR 250		
RED TO:	OLD STATE AND TOWN LINE RDS.		
SIGNAL NO.:	HUR-250-5.75S		
INSTALLATION DATE:	11-30-04		
FILE NUMBER:	4474		

DATE		REVISIONS		DATE INSTALLED		OHIO DEPARTMENT OF TRANSPORTATION	
						ELECTRICAL INSTALLATION LOCATED AT	
						USR 250 @	
						Old State Rd & Town Line Rd	
						District <u>3</u> County <u>Huron</u>	
DESIGNED	RJR	DRAWN	RJR	REVISED	CHECKED	REVIEWED	SHEET 1
6/04		6/04					OF 1