

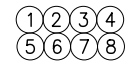
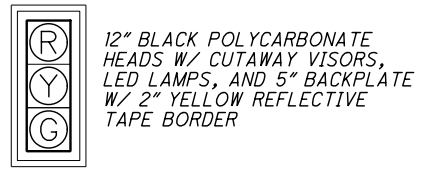
TRAFFIC SIGNAL SUB SUMMARY

ITEM	QTY.	UNITS	DESCRIPTION
603	200	FT	4" CONDUIT, TYPE E, AS PER PLAN (UNDERDRAINS FOR PULL BOXES)
625	8	FT	CONDUIT, 2", 725.04
625	791	FT	CONDUIT, 2", 725.05
625	105	FT	CONDUIT, JACKED OR DRILLED, AS PER PLAN, 2"
625	130	FT	CONDUIT, JACKED OR DRILLED, AS PER PLAN, 2"
625	104	FT	CONDUIT, JACKED OR DRILLED, AS PER PLAN, 3"
625	17	EACH	PULL BOX, 725.08, 18", AS PER PLAN
625	5	EACH	GROUND ROD, AS PER PLAN
632	8	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN
632	14	EACH	DETECTOR LOOP, AS PER PLAN
632	14	EACH	LOOP DETECTOR UNIT, DELAY AND EXTENSION TYPE, APP
632	72	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	1112	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	4	EACH	SIGNAL SUPPORT FOUNDATION, AS PER PLAN
632	4084	FT	LOOP DETECTOR LEAD-IN CABLE, 2 CONDUCTOR, NO. 14 AWG
632	36	FT	POWER CABLE, 2 CONDUCTOR, NO. 6 AWG
632	20	FT	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG
632	1	EACH	POWER SERVICE, AS PER PLAN
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 3 (21.5' POLE & 43' ARM)
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 11 (22' POLE & 43' ARM)
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 11 (23' POLE & 42' ARM)
632	1	EACH	SIGNAL SUPPORT, TYPE TC-81.21, DESIGN 12 (21.5' POLE & 51' ARM)
632	1	EACH	PREEMPT SYSTEM
633	1	EACH	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS1
633	1	EACH	CABINET FOUNDATION, AS PER PLAN
633	1	EACH	CONTROLLER WORK PAD
633	1	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT

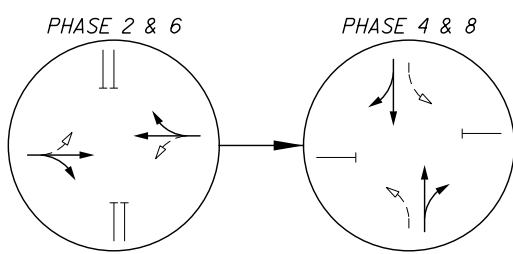
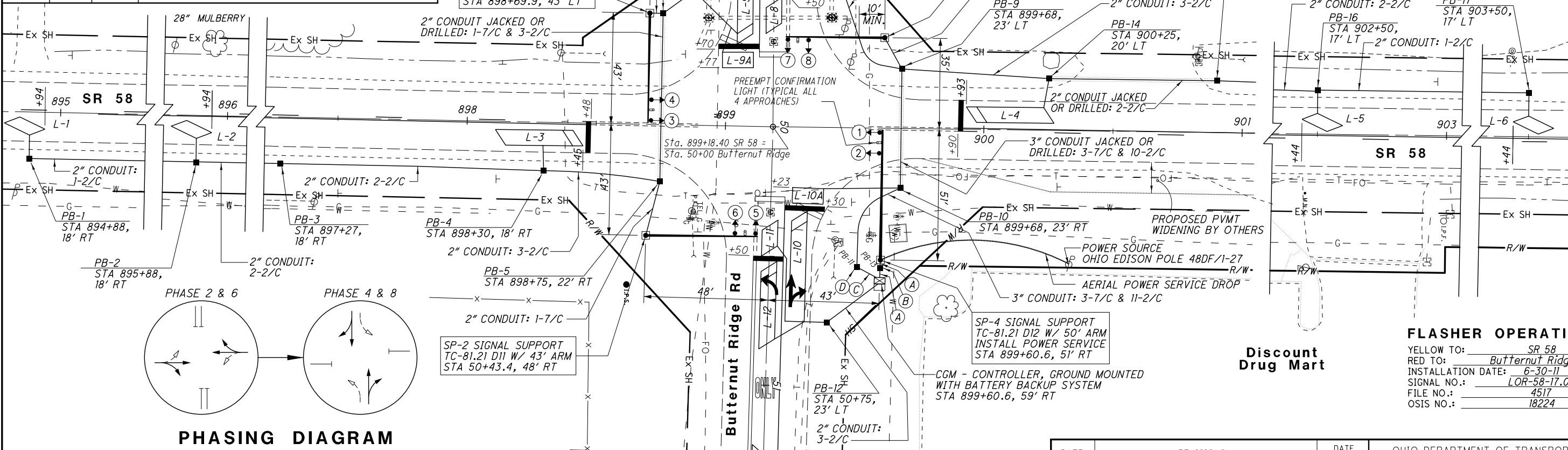
LOOP DETECTOR CHART

LOOP	SIZE (FT)	NO. OF TURNS	MODE	DELAY (SEC.)	DETECTOR UNIT NO.	ASSOC. PHASE	COMMENTS
L-1	6.42 X 10.83	4	PULSE		1	2	A.D.D. LOOP - SEE DETAIL THIS SHT.
L-2	6.42 X 10.83	4	PULSE		2	2	A.D.D. LOOP - SEE DETAIL THIS SHT.
L-3	6X30	3+3	PRESENCE		3	2	POWERHEAD LOOP - SEE SCD TC-81.10
L-4	6X30	3+3	PRESENCE		4	6	POWERHEAD LOOP - SEE SCD TC-81.10
L-5	6.42 X 10.83	4	PULSE		5	6	A.D.D. LOOP - SEE DETAIL THIS SHT.
L-6	6.42 X 10.83	4	PULSE		6	6	A.D.D. LOOP - SEE DETAIL THIS SHT.
L-7	6 X 30	3+3	PULSE	5*	7	4	POWERHEAD LOOP - SEE SCD TC-81.10
L-8	6 X 10	4	PRESENCE	5*	8	4	
L-9	6 X 30	3+3	PRESENCE	10*	9	4	POWERHEAD LOOP - SEE SCD TC-81.10
L-9A	6 X 12	4	PRESENCE	10*	10	4	
L-10	6 X 30	3+3	PRESENCE	10*	11	8	POWERHEAD LOOP - SEE SCD TC-81.10
L-10A	6 X 12	4	PRESENCE	10*	12	8	
L-11	6 X 10	4	PRESENCE	5*	13	8	
L-12	6 X 30	3+3	PULSE	5*	14	8	POWERHEAD LOOP - SEE SCD TC-81.10

*INHIBIT DELAY DURING ASSOCIATED GREEN PHASE



TYPICAL SIGNAL HEAD



PHASING DIAGRAM

PHASING IDENTIFICATION

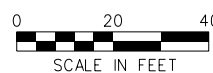
future use		future use	
PHASE 1		PHASE 3	
future use		future use	
PHASE 5		PHASE 7	

JUMPERS INSTALLED ON BACKPANEL AS FOLLOWS:

- PH 2 ON TO PH 1 OMIT
- PH 6 ON TO PH 5 OMIT
- PH 4 ON TO PH 3 OMIT
- PH 8 ON TO PH 7 OMIT

THESE JUMPERS SHALL BE INSTALLED ON THE FRONT OF THE PANEL AND SHALL BE EASILY REMOVED IF NEEDED.

- (A) 2" CONDUIT: 1-7/C AND 2" CONDUIT (725.04): 1-2/C POWER
- (B) PB-13, STA 899+60.6, 54' RT
- (C) 3" CONDUIT: 3-7/C & 11-2/C
- (D) PB-11, STA 899+51.6, 54' RT



Discount Drug Mart

FLASHER OPERATIONS

YELLOW TO: SR 58
 RED TO: Butternut Ridge Rd
 INSTALLATION DATE: 6-30-11
 SIGNAL NO.: LOR-58-17.03
 FILE NO.: 4517
 OSIS NO.: 18224

DATE	REVISIONS	DATE INSTALLED	OHIO DEPARTMENT OF TRANSPORTATION
			ELECTRICAL INSTALLATION LOCATED AT
			SR 58 & BUTTERNUT RIDGE RD
			DISTRICT 3 COUNTY LORAIN
			DRAWN RJR 6/30
			REVIEWED