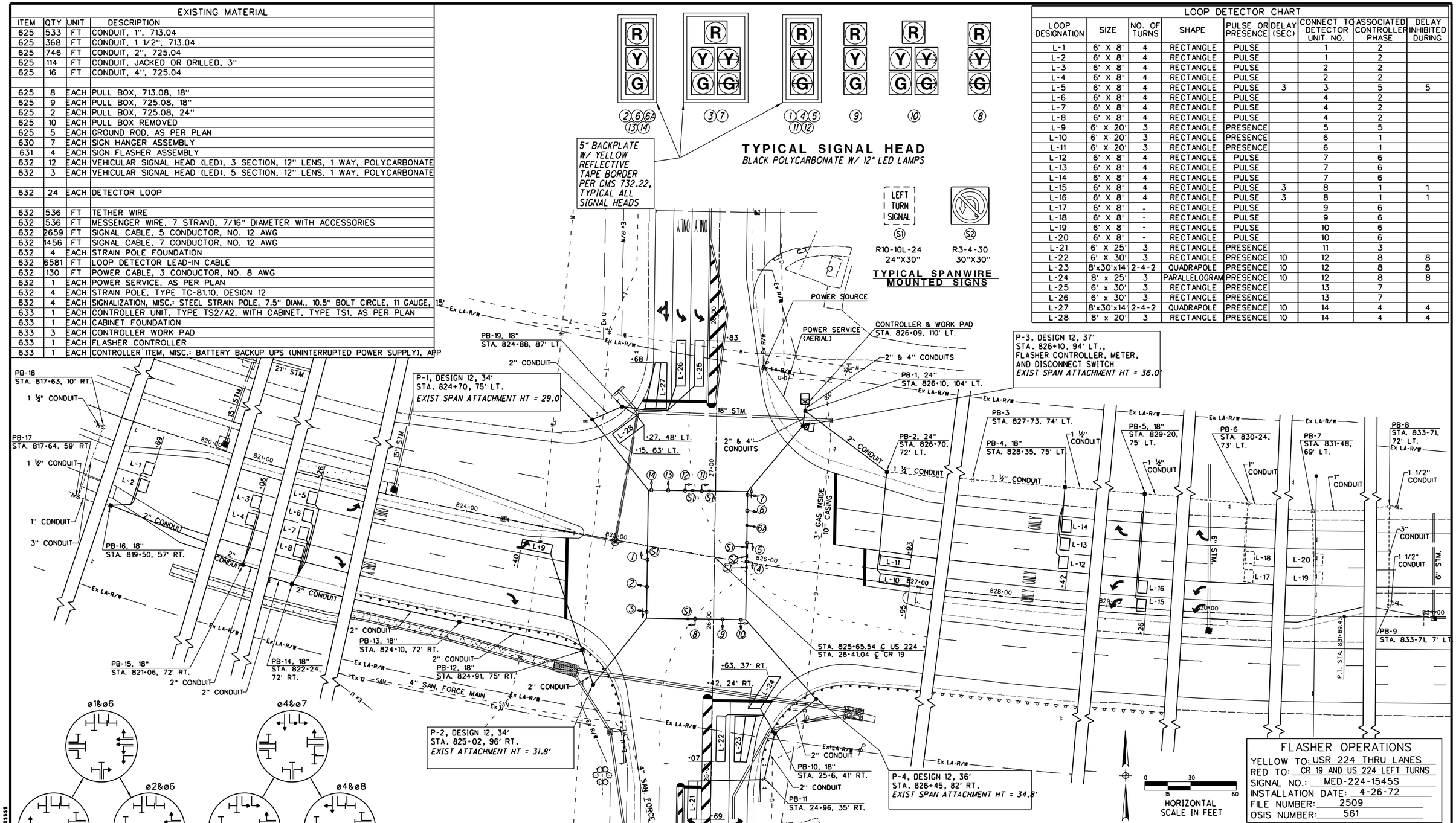
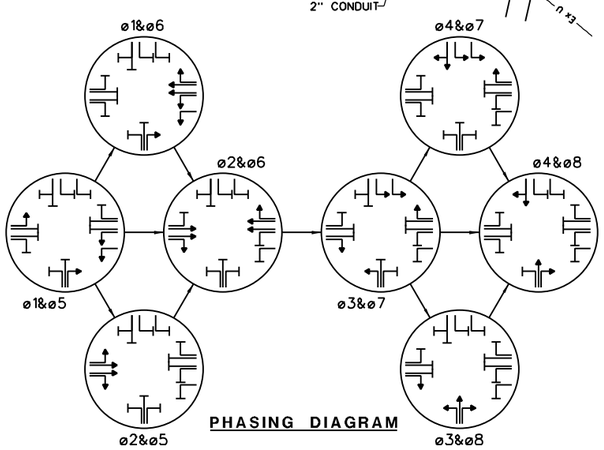
EXISTING MATERIAL

ITEM	QTY	UNIT	DESCRIPTION
625	533	FT	CONDUIT, 1", 713.04
625	368	FT	CONDUIT, 1 1/2", 713.04
625	746	FT	CONDUIT, 2", 725.04
625	114	FT	CONDUIT, JACKED OR DRILLED, 3"
625	16	FT	CONDUIT, 4", 725.04
625	8	EACH	PULL BOX, 713.08, 18"
625	9	EACH	PULL BOX, 725.08, 18"
625	2	EACH	PULL BOX, 725.08, 24"
625	10	EACH	PULL BOX REMOVED
625	5	EACH	GROUND ROD, AS PER PLAN
630	7	EACH	SIGN HANGER ASSEMBLY
631	4	EACH	SIGN FLASHER ASSEMBLY
632	12	EACH	VEHICULAR SIGNAL HEAD (LED), 3 SECTION, 12" LENS, 1 WAY, POLYCARBONATE
632	3	EACH	VEHICULAR SIGNAL HEAD (LED), 5 SECTION, 12" LENS, 1 WAY, POLYCARBONATE
632	24	EACH	DETECTOR LOOP
632	536	FT	TETHER WIRE
632	536	FT	MESSENGER WIRE, 7 STRAND, 7/16" DIAMETER WITH ACCESSORIES
632	2659	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 12 AWG
632	1456	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 12 AWG
632	4	EACH	STRAIN POLE FOUNDATION
632	6581	FT	LOOP DETECTOR LEAD-IN CABLE
632	130	FT	POWER CABLE, 3 CONDUCTOR, NO. 8 AWG
632	1	EACH	POWER SERVICE, AS PER PLAN
632	4	EACH	STRAIN POLE, TYPE TC-81.10, DESIGN 12
632	4	EACH	SIGNALIZATION, MISC.: STEEL STRAIN POLE, 7.5" DIAM., 10.5" BOLT CIRCLE, 11 GAUGE,
633	1	EACH	CONTROLLER UNIT, TYPE TS2/A2, WITH CABINET, TYPE TS1, AS PER PLAN
633	1	EACH	CABINET FOUNDATION
633	3	EACH	CONTROLLER WORK PAD
633	1	EACH	FLASHER CONTROLLER
633	1	EACH	CONTROLLER ITEM, MISC.: BATTERY BACKUP UPS (UNINTERRUPTED POWER SUPPLY), APP

LOOP DETECTOR CHART

LOOP DESIGNATION	SIZE	NO. OF TURNS	SHAPE	PULSE OR PRESENCE	DELAY (SEC)	CONNECT TO DETECTOR UNIT NO.	ASSOCIATED CONTROLLER PHASE	DELAY INHIBITED DURING
L-1	6' X 8'	4	RECTANGLE	PULSE		1	2	
L-2	6' X 8'	4	RECTANGLE	PULSE		1	2	
L-3	6' X 8'	4	RECTANGLE	PULSE		2	2	
L-4	6' X 8'	4	RECTANGLE	PULSE		2	2	
L-5	6' X 8'	4	RECTANGLE	PULSE	3	3	5	5
L-6	6' X 8'	4	RECTANGLE	PULSE		4	2	
L-7	6' X 8'	4	RECTANGLE	PULSE		4	2	
L-8	6' X 8'	4	RECTANGLE	PULSE		4	2	
L-9	6' X 20'	3	RECTANGLE	PRESENCE		5	5	
L-10	6' X 20'	3	RECTANGLE	PRESENCE		6	1	
L-11	6' X 20'	3	RECTANGLE	PRESENCE		6	1	
L-12	6' X 8'	4	RECTANGLE	PULSE		7	6	
L-13	6' X 8'	4	RECTANGLE	PULSE		7	6	
L-14	6' X 8'	4	RECTANGLE	PULSE		7	6	
L-15	6' X 8'	4	RECTANGLE	PULSE	3	8	1	1
L-16	6' X 8'	4	RECTANGLE	PULSE	3	8	1	1
L-17	6' X 8'	-	RECTANGLE	PULSE		9	6	
L-18	6' X 8'	-	RECTANGLE	PULSE		9	6	
L-19	6' X 8'	-	RECTANGLE	PULSE		10	6	
L-20	6' X 8'	-	RECTANGLE	PULSE		10	6	
L-21	6' X 25'	3	RECTANGLE	PRESENCE		11	3	
L-22	6' X 30'	3	RECTANGLE	PRESENCE	10	12	8	8
L-23	8'x30'x14'	2-4-2	QUADRAPOLE	PRESENCE	10	12	8	8
L-24	8' x 25'	3	PARALLELOGRAM	PRESENCE	10	12	8	8
L-25	6' x 30'	3	RECTANGLE	PRESENCE		13	7	
L-26	6' x 30'	3	RECTANGLE	PRESENCE		13	7	
L-27	8'x30'x14'	2-4-2	QUADRAPOLE	PRESENCE	10	14	4	4
L-28	8' x 20'	3	RECTANGLE	PRESENCE	10	14	4	4





FLASHER OPERATIONS

YELLOW TO: USR 224 THRU LANES
RED TO: CR 19 AND US 224 LEFT TURNS
SIGNAL NO.: MED-224-1545S
INSTALLATION DATE: 4-26-72
FILE NUMBER: 2509
OSIS NUMBER: 561

DATE	REVISIONS	DATE INSTALLED
2-19-08	REDRAWN PER REBUILD PROJ. 451-06	11-7-07
4-1-08	ADDED SIGNAL HEAD 6A AND NO U-TURN SIGN FOR WB US 224 PER PROJ. 410(06)	6-24-08
1-28-09	REVISED SIGNAL NO. SLM AND ADDED OSIS NO.	-
11-24-10	PROJ 58(10)-INSTALLED BREAKAWAY TETHER CONNECTIONS	4-14-10
11-24-10	PROJ 332(10)-INSTALLED NEW SIGNAL HEADS W/ BACKPLATES	11-18-10

OHIO DEPARTMENT OF TRANSPORTATION

ELECTRICAL INSTALLATION LOCATED AT

USR 224 & Lake Rd (CR 19)

District 3 County Medina

DESIGNED	DESIGNED	REVISED	CHECKED	REVIEWED	SHEET 1 OF 1

DESIGN FILE:$$$$$$.DGNFILESPECIFICATION$$$$$$
WORKSTATION:$TERMINAL$ DATE:$$$$$$DATE$$$$$$