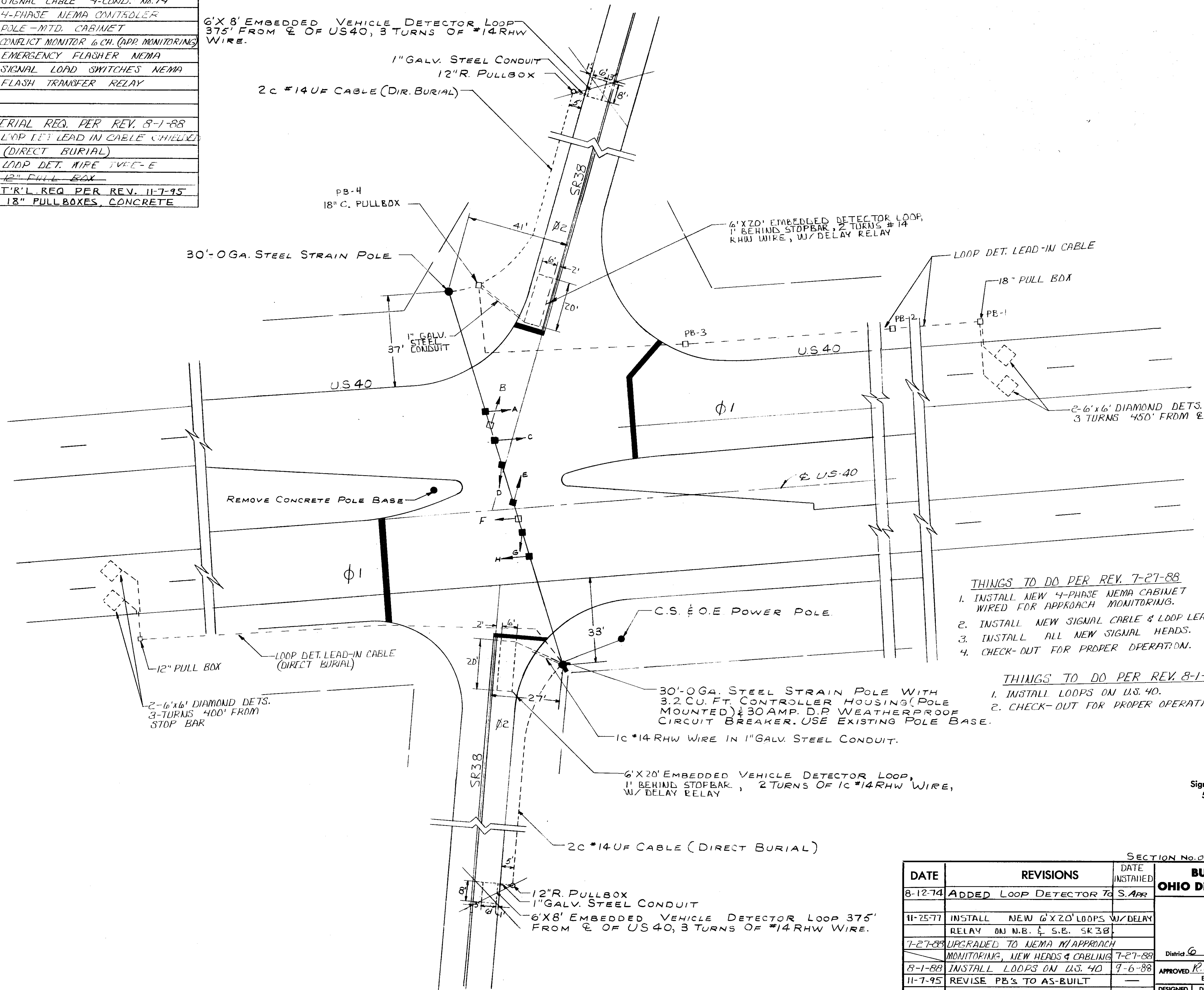


MATERIAL REQUIRED	
Quantity	Description
2	2 WAY 3 UNIT SIGNAL HEAD (12" LENS) (PLASTIC HEADS)
4	1 WAY 3 UNIT SIGNAL HEADS (12" LENS) (PLASTIC HEADS)
2	30'-0GA. STEEL STRAIN POLE
1	3.2 CU. FT. CONTROLLER HOUSING
1	807 R CONTROLLER
2	LOOP DETECTOR AMPLIFIER
1	30 AMP. D.P. WEATHERPROOF CIRCUIT BREAKER
2	15 AMP. S.P. CIRCUIT BREAKER
2	THYRECTORS
1	EMERGENCY FLASHER
170'	3/8"-7 STRAND MESS. CABLE
167'	15C #14 TW SIGNAL CABLE
665'	2C #14 UF CABLE (DIRECT BURIAL)
220'	1C #14 RHW WIRE
2	12" R. PULLBOX
10'	1" GALV. STEEL CONDUIT
2	POLE CLAMPS
1	METER RING
✓	LASHING ROD
100%	EPOXY
✓	MISC. HARDWARE & FITTINGS
3 CU YD	CONCRETE
230'	3C #14 TW SIGNAL CABLE
MATERIAL REQUIRED AS PER REVISION 8-12-74	
1C	#14 RHW WIRE
✓	1" GALV. STEEL CONDUIT
✓	EPOXY (LOOP)
MISC. HARDWARE & FITTINGS	
MATERIAL REQ. PER REV. 11-25-77	
+	DELAY RELAY
+	AC RELAY
230'	1C #14 RHW WIRE
+	12" R. PULLBOX
1	LOOP DETECTOR AMPLIFIER
40'	1" GALV. STEEL CONDUIT

MATERIAL REQ. PER REV. 7-27-88	
3	VEH. SIGNAL HEAD 3-SEC. 12" LENS 1-WAY
750'	SIGNAL CABLE 4-COND. No. 14
1	4-PHASE NEMA CONTROLLER
1	POLE-MTD. CABINET
1	CONFLICT MONITOR 6 CH. (APP. MONITORING)
1	EMERGENCY FLASHER NEMA
4	SIGNAL LOAD SWITCHES NEMA
1	FLASH TRANSFER RELAY
MATERIAL REQ. PER REV. 8-1-88	
1000'	LOOP DET. LEAD IN CABLE (CHILDED) (DIRECT BURIAL)
410'	LOOP DET. WIRE 1/8"-E
2	12" PULL BOX
MAT'R'L. REQ. PER REV. 11-7-95	
4	18" PULLBOXES, CONCRETE



6' X 8' EMBEDDED VEHICLE DETECTOR LOOP 375' FROM E OF US 40, 3 TURNS OF #14 RHW WIRE.

1" GALV. STEEL CONDUIT
12" R. PULLBOX

2 C #14 UF CABLE (DIR. BURIAL)

6' X 20' EMBEDDED DETECTOR LOOP, 1' BEHIND STOPBAR, 2 TURNS #14 RHW WIRE, W/ DELAY RELAY

LOOP DET. LEAD-IN CABLE

18" PULL BOX

2-6' X 6' DIAMOND DETS. 3 TURNS 450' FROM E

REMOVE CONCRETE POLE BASE

C.S. & O.E. POWER POLE.

30'-0GA. STEEL STRAIN POLE WITH 3.2 CU. FT. CONTROLLER HOUSING (POLE MOUNTED) & 30 AMP. D.P. WEATHERPROOF CIRCUIT BREAKER. USE EXISTING POLE BASE.

1C #14 RHW WIRE IN 1" GALV. STEEL CONDUIT.

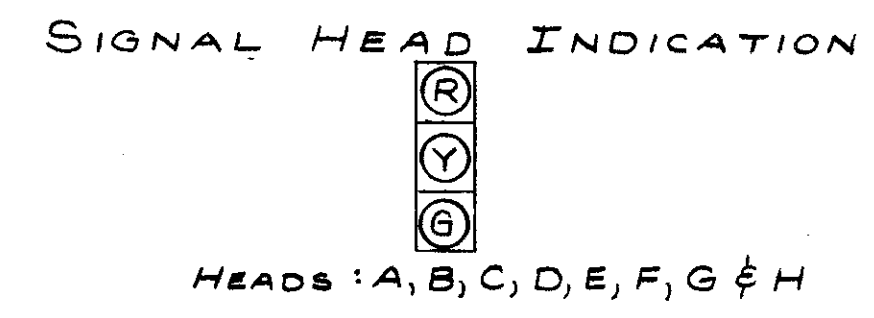
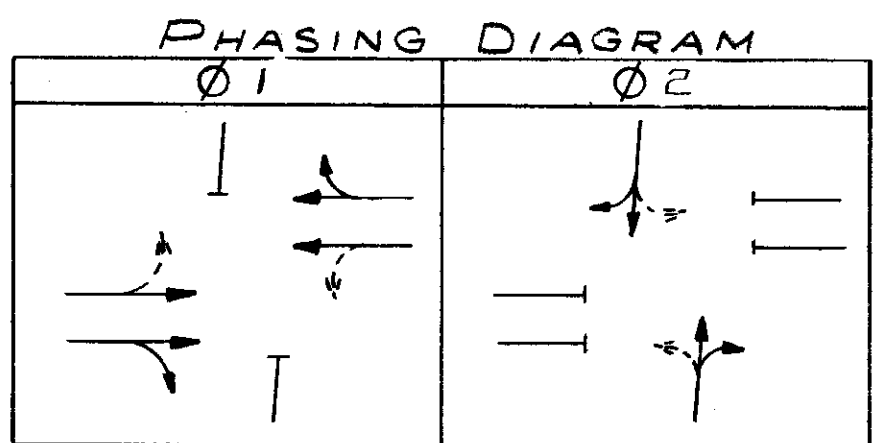
6' X 20' EMBEDDED VEHICLE DETECTOR LOOP, 1' BEHIND STOPBAR, 2 TURNS OF 1C #14 RHW WIRE, W/ DELAY RELAY

2C #14 UF CABLE (DIRECT BURIAL)

12" R. PULLBOX
1" GALV. STEEL CONDUIT
6' X 8' EMBEDDED VEHICLE DETECTOR LOOP 375' FROM E OF US 40, 3 TURNS OF #14 RHW WIRE.

- THINGS TO DO PER REV. 7-27-88
1. INSTALL NEW 4-PHASE NEMA CABINET WIRED FOR APPROACH MONITORING.
 2. INSTALL NEW SIGNAL CABLE & LOOP LEAD-IN.
 3. INSTALL ALL NEW SIGNAL HEADS.
 4. CHECK-OUT FOR PROPER OPERATION.

- THINGS TO DO PER REV. 8-1-88
1. INSTALL LOOPS ON U.S. 40.
 2. CHECK-OUT FOR PROPER OPERATION.



FLASHER OPERATIONS
Yellow to S.R. U.S. 40
Red to SR 38
Signal shall flash intermittently not less than 50 nor more than 60 times per minute.
Signal No. MAD-40-0469S
Original installation installed 6-22-53
This installation installed 2-27-74
File Number 326

SECTION No. 0.00 Route Type 40

**BUREAU OF TRAFFIC CONTROL
OHIO DEPARTMENT OF TRANSPORTATION**

**ELECTRICAL INSTALLATION
U.S. 40 & S.R. 38**

District 6 County MADISON 1" = 20'

APPROVED: R. D. McMillen DATE 2/12/74 Engr. Order No.

DESIGNED: D.C. DRAWN: D.C. 2-11-74 REVISION: D.C. 2-11-74 CHECKED: C.E.J. 2-11-74 REVIEWED: J.P.A. 2-11-74 Job No.

DATE	REVISIONS	DATE INSTALLED
8-12-74	ADDED LOOP DETECTOR TO S. APP	S. APP
11-25-77	INSTALL NEW 6' X 20' LOOPS W/ DELAY RELAY ON N.E. & S.E. SR 38	
7-27-88	UPGRADED TO NEMA W/ APPROACH MONITORING, NEW HEADS & CABLING	7-27-88
8-1-88	INSTALL LOOPS ON U.S. 40	9-6-88
11-7-95	REVISE PB'S TO AS-BUILT	