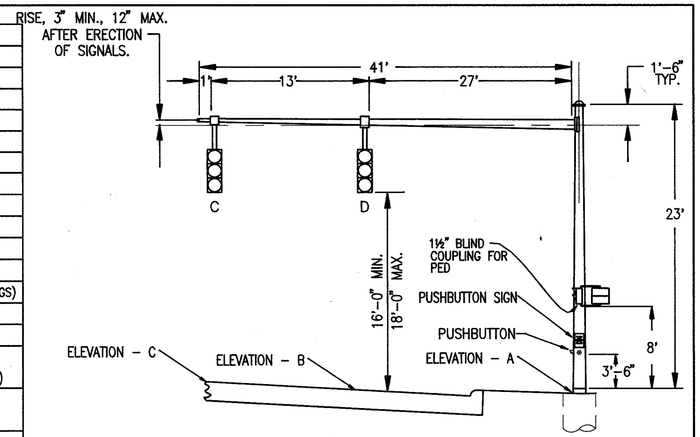
REYNOLDS ROAD & BELLFLOWER ROAD SIGNAL SUPPORT DETAILS

CALC. BY S.J.C. DATE 12/89	LAKE COUNTY
CHKD. BY M.P.C. DATE 12/89	LAK – 306 – 7.12

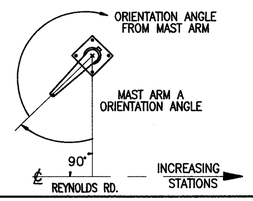
OHIO — FHWA REGION 5

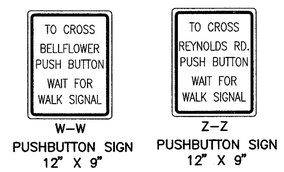
345 / 452

1	POLE No.	
11	DESIGN No.	
23'	POLE HT.	
97+75	STATION	
43'R	OFFSET	
41'	L (FT)	
27'	L1 (FT)	
13'	L2 (FT)	
623.12	ELEVATION – A	
622.89	ELEVATION – B	
623.08	ELEVATION – C	
	ORIENTATION ANGLES	
90°	MAST ARM A ORIENTATION ANGLE (DEGS)	
–	MAST ARM B	
–	CABLE ENTRANCE (12" FROM TOP)	
135°	PEDESTRIAN SIGNAL (1½" BLIND COUPLING, 8' FROM BOTTOM OF POLE)	
0°	W	PEDESTRIAN PUSHBUTTON
270°	Z	3'–6" FROM BOTTOM OF POLE
180°	HANDHOLE	
–	2" CAPPED CONDUIT ELL (FUTURE USE)	



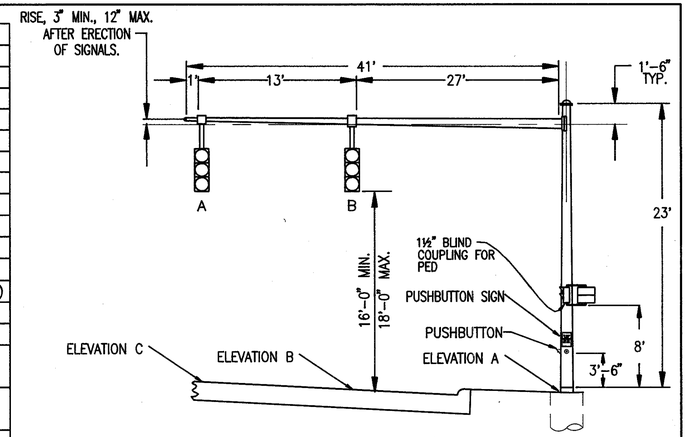
STA. 97+75, 43'R
TC–81.20 DESIGN No.11



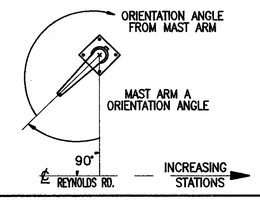


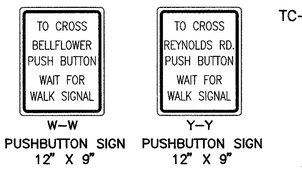
P1 SIGNAL SUPPORT DETAIL

2	POLE No.	
11	DESIGN No.	
23'	POLE HT.	
98+75	STATION	
42'R	OFFSET	
41'	L (FT)	
27'	L1 (FT)	
13'	L2 (FT)	
623.58	ELEVATION – A	
623.30	ELEVATION – B	
623.49	ELEVATION – C	
	ORIENTATION ANGLES	
0°	MAST ARM A ORIENTATION ANGLE (DEGS)	
–	MAST ARM B	
–	CABLE ENTRANCE (12" FROM TOP)	
135°	PEDESTRIAN SIGNAL (1½" BLIND COUPLING, 8' FROM BOTTOM OF POLE)	
270°	W	PEDESTRIAN PUSHBUTTON
0°	Y	3'–6" FROM BOTTOM OF POLE
180°	HANDHOLE	
–	2" CAPPED CONDUIT ELL (FUTURE USE)	



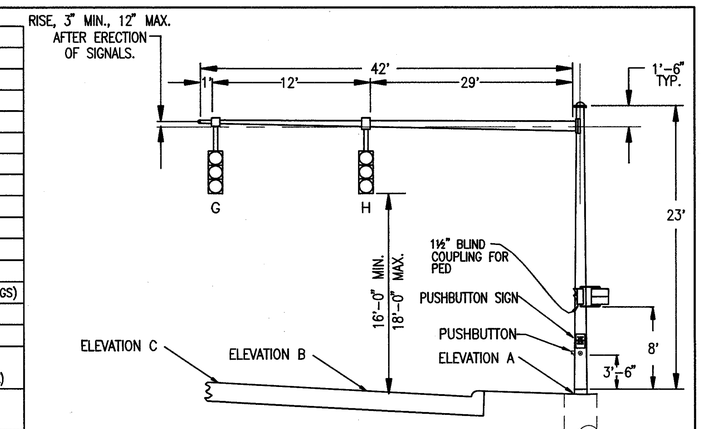
STA. 98+75, 42'R
TC–81.20 DESIGN No.11



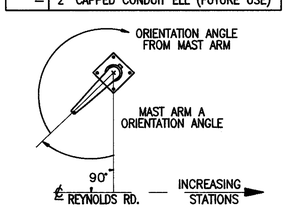


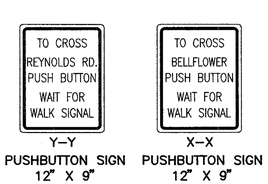
P2 SIGNAL SUPPORT DETAIL

3	POLE No.	
11	DESIGN No.	
23'	POLE HT.	
98+63	STATION	
42'L	OFFSET	
42'	L (FT)	
29'	L1 (FT)	
12'	L2 (FT)	
623.53	ELEVATION – A	
623.75	ELEVATION – B	
623.94	ELEVATION – C	
	ORIENTATION ANGLES	
90°	MAST ARM A ORIENTATION ANGLE (DEGS)	
–	MAST ARM B	
–	CABLE ENTRANCE (12" FROM TOP)	
135°	PEDESTRIAN SIGNAL (1½" BLIND COUPLING, 8' FROM BOTTOM OF POLE)	
0°	X	PEDESTRIAN PUSHBUTTON
270°	Y	3'–6" FROM BOTTOM OF POLE
180°	HANDHOLE	
–	2" CAPPED CONDUIT ELL (FUTURE USE)	



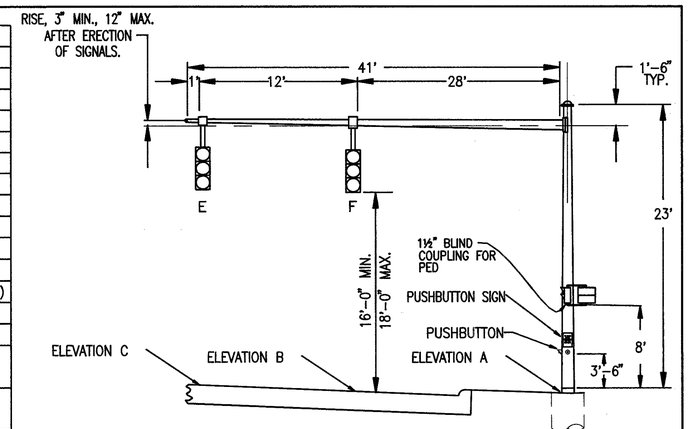
STA. 98+63, 42'L
TC–81.20 DESIGN No.11



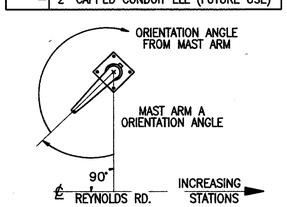


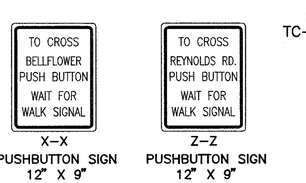
P3 SIGNAL SUPPORT DETAIL

4	POLE No.	
11	DESIGN No.	
23'	POLE HT.	
97+60	STATION	
42'L	OFFSET	
41'	L (FT)	
28'	L1 (FT)	
12'	L2 (FT)	
623.07	ELEVATION – A	
622.79	ELEVATION – B	
622.98	ELEVATION – C	
	ORIENTATION ANGLES	
0°	MAST ARM A ORIENTATION ANGLE (DEGS)	
–	MAST ARM B	
–	CABLE ENTRANCE (12" FROM TOP)	
135°	PEDESTRIAN SIGNAL (1½" BLIND COUPLING, 8' FROM BOTTOM OF POLE)	
270°	X	PEDESTRIAN PUSHBUTTON
0°	Z	3'–6" FROM BOTTOM OF POLE
180°	HANDHOLE	
–	2" CAPPED CONDUIT ELL (FUTURE USE)	



STA. 97+60, 42'L
TC–81.20 DESIGN No.11





P4 SIGNAL SUPPORT DETAIL

LAK – 306 – 7.12