

REYNOLDS ROAD & SOUTH RAMPS SIGNAL SUPPORT DETAILS

CALC. BY R.L.J.
DATE 7/79
CHKD. BY M.P.C.
DATE 7/79

LAK - 306 - 6.82

OHIO
FHWA REGION 5

53
92

1	POLE No.
3	DESIGN No.
21.5'	POLE HT.
23+80	STATION
48'R	OFFSET
35'	L (FT)
18'	L1 (FT)
16'	L2 (FT)
643.89	ELEVATION - A
645.21	ELEVATION - C
ORIENTATION ANGLES	
270°	MAST ARM A ORIENTATION ANGLE (DEGS)
-	MAST ARM B
-	CABLE ENTRANCE (12" FROM TOP)
-	PEDESTRIAN SIGNAL (2 1/2" BLIND COUPLING, 8' FROM BOTTOM OF POLE)
-	PEDESTRIAN PUSHBUTTON 3'-6" FROM BOTTOM OF POLE
270°	HANDHOLE
-	2" CAPPED CONDUIT ELL (FUTURE USE)

RISE, 3" MIN., 12" MAX. AFTER ERECTION OF SIGNALS.

1'-6" TYP.

21.5'

18'-0" MIN. 18'-0" MAX.

16'-0" MIN. 18'-0" MAX.

ELEVATION - C

STA. 23+80, 48'R
TC-81.20, DESIGN No.3

ORIENTATION ANGLE FROM MAST ARM

MAST ARM A ORIENTATION ANGLE

90°

REYNOLDS RD. INCREASING STATIONS

P1 SIGNAL SUPPORT DETAIL

2	POLE No.
12	DESIGN No.
26'	POLE HT.
24+11	STATION
46'R	OFFSET
33'	L (FT)
19'	L1 (FT)
13'	L2 (FT)
L3 (FT)	
646.17	ELEVATION - A
646.82	ELEVATION - C
ORIENTATION ANGLES	
0°	MAST ARM A ORIENTATION ANGLE (DEGS)
0°	MAST ARM B
-	CABLE ENTRANCE (12" FROM TOP)
135°	PEDESTRIAN SIGNAL (2 1/2" BLIND COUPLING, 8' FROM BOTTOM OF POLE)
0°	W PEDESTRIAN PUSHBUTTON 3'-6" FROM BOTTOM OF POLE
90°	Y 3'-6" FROM BOTTOM OF POLE
180°	HANDHOLE
-	2" CAPPED CONDUIT ELL (FUTURE USE)

RISE, 3" MIN., 12" MAX. AFTER ERECTION OF SIGNALS.

1'-6" TYP.

26'

16'-0" MIN. 18'-0" MAX.

16'

9'

3.5'

3'-6"

ELEVATION - C

ELEVATION - A

STA. 24+11, 46'R
TC-81.20, DESIGN NO.12

ORIENTATION ANGLE FROM MAST ARM

MAST ARM A ORIENTATION ANGLE

90°

REYNOLDS RD. INCREASING STATIONS

TO CROSS RAMP PUSH BUTTON WAIT FOR WALK SIGNAL
Y-Y
PUSHBUTTON SIGN 12" X 9"

TO CROSS REYNOLDS RD PUSH BUTTON WAIT FOR WALK SIGNAL
W-W
PUSHBUTTON SIGN 12" X 9"

P2 COMBINATION SIGNAL SUPPORT DETAIL

NOTE: PEDESTRIAN PEDESTALS SHALL BE EQUIPPED WITH THE APPROPRIATE PUSHBUTTON SIGN LEGEND.

5	POLE No.
3	DESIGN No.
20.5'	POLE HT.
24+97	STATION
36'L	OFFSET
33'	L (FT)
17'	L1 (FT)
15'	L2 (FT)
652.74	ELEVATION - A
651.01	ELEVATION - C
ORIENTATION ANGLES	
270°	MAST ARM A ORIENTATION ANGLE (DEGS)
-	MAST ARM B
-	CABLE ENTRANCE (12" FROM TOP)
-	PEDESTRIAN SIGNAL (2 1/2" BLIND COUPLING, 8' FROM BOTTOM OF POLE)
-	PEDESTRIAN PUSHBUTTON 3'-6" FROM BOTTOM OF POLE
0°	HANDHOLE
-	2" CAPPED CONDUIT ELL (FUTURE USE)

RISE, 3" MIN., 12" MAX. AFTER ERECTION OF SIGNALS.

1'-6" TYP.

20.5'

16'-0" MIN. 18'-0" MAX.

ELEVATION C

ELEVATION A

STA. 24+97, 36'L
TC-81.20, DESIGN NO.3

ORIENTATION ANGLE FROM MAST ARM

MAST ARM A ORIENTATION ANGLE

90°

REYNOLDS RD. INCREASING STATIONS

P5 SIGNAL SUPPORT DETAIL

6	POLE No.
11	DESIGN No.
21.5'	POLE HT.
24+06	STATION
38'L	OFFSET
39'	L (FT)
13'	L1 (FT)
9'	L2 (FT)
16'	L2 (FT)
648.81	ELEVATION - A
645.21	ELEVATION - C
ORIENTATION ANGLES	
0°	MAST ARM A ORIENTATION ANGLE (DEGS)
-	MAST ARM B
-	CABLE ENTRANCE (12" FROM TOP)
-	PEDESTRIAN SIGNAL (2 1/2" BLIND COUPLING, 8' FROM BOTTOM OF POLE)
0°	W PEDESTRIAN PUSHBUTTON 3'-6" FROM BOTTOM OF POLE
90°	X 3'-6" FROM BOTTOM OF POLE
180°	HANDHOLE
-	2" CAPPED CONDUIT ELL (FUTURE USE)

RISE, 3" MIN., 12" MAX. AFTER ERECTION OF SIGNALS.

1'-6" TYP.

21.5'

16'-0" MIN. 18'-0" MAX.

39'

16'

13'

9'

16'

3'-6"

ELEVATION - C

ELEVATION - A

STA. 24+06, 38'L
TC-81.20, DESIGN No.11

ORIENTATION ANGLE FROM MAST ARM

MAST ARM A ORIENTATION ANGLE

90°

REYNOLDS RD. INCREASING STATIONS

TO CROSS REYNOLDS RD PUSH BUTTON WAIT FOR WALK SIGNAL
W-W
PUSHBUTTON SIGN 12" X 9"

TO CROSS RAMP PUSH BUTTON WAIT FOR WALK SIGNAL
X-X
PUSHBUTTON SIGN 12" X 9"

P6 SIGNAL SUPPORT DETAIL

POST TOP SUPPORT WITH TERMINAL COMPARTMENT ONE-WAY RIGHT OF DOOR.

SIGNAL HEADS H&K

PUSHBUTTON SIGN

PUSHBUTTON

12'

8'

P3: STA. 24+83, 46'R
P4: STA. 25+50, 46'R

P3: PEDESTAL, 12", W / TRANSFORMER BASE
P4: PEDESTAL, 12", W / TRANSFORMER BASE