

-PEDESTAL POLE CONFIGURATIONS-

INDEX

PEDESTAL POLE INSTALLATION PEDESTAL POLE FOUNDATION DETAILS

GENERAL NOTES

- ALL PEDESTAL POLE STEEL SHALL BE ASTM A53 GRB AND SHALL BE HOT DIP GALVANIZED INSIDE AND OUTSIDE ACCORDING TO ASTM A123.
- 2. MOUNTING HARDWARE FOR EACH TRAFFIC SIGNAL WILL BE FURNISHED BY THE MANUFACTURER, INCLUDING POLE PLATES FOR SIDE POLE MOUNTING.
 - PEDESTAL POLES SHALL HAVE A FRANGIBLE BASE: AKRON FOUNDRY TB2-17 OR APPROVED EQUAL.
- 4. ALL POLES, PEDESTALS AND CABINETS SHALL BE PLACED A MINIMUM OF 2 FEET OFF THE ROADWAY MEASURED FROM THE EDGE OF SHOULDER OR FACE OF CURB.
 - 12-12-12 TRAFFIC SIGNAL FACES FOR RAMP METERING LOCATIONS SHALL BE ALUMINUM TYPE.
- 6. TWO-SECTION 12" RED AND GREEN SIGNAL HEADS SHALL BE "ANGLED IN" AND SHALL BE EQUIPPED WITH VISORS THAT MAY BE POSITIONED TO EITHER SIDE OF THE LENS, ALLOWING ONLY THE FIRST MOTORIST BEHIND THE STOP BAR TO SEE THE SIGNAL INDICATION.
- 7. REGULATORY SIGNING SHALL BE AS SHOWN ON THE PLANS. 24R10-6g FOR LEFT SIDE POLE INSTALLATIONS SHALL CONTAIN A RIGHT-POINTING ARROW. 24R10-6g FOR RIGHT SIDE POLE INSTALLATIONS SHALL CONTAIN A LEFT-POINTING ARROW. TYPICAL SPECIAL SIGN MESSAGES ARE "1 VEHICLE PER GREEN" FOR SINGLE-LANE METERED RAMPS, AND "I VEHICLE PER GREEN EACH LANE" FOR TWO-LANE METERED RAMPS.
- 8. ALL SIGNAL HEADS SHALL BE APPROVED LED TYPE.
- 9. IF THE PLACEMENT OF A PEDESTRIAN PUSH BUTTON ASSEMBLY ON A TRAFFIC SIGNAL MAST POLE WILL NOT BE WITHIN EASY REACH BY PEDESTRIANS (10" OR LESS AND UNOBSTRUCTED IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT), THEN A SEPARATE PEDESTRIAN PUSH BUTTON POST ASSEMBLY (PPBPA) SHALL BE INSTALLED WITHIN EASY REACH. THE PPBPA SHALL MEET THE PROVISIONS FOUND IN CDOT STANDARD PLAN S-614-9 AND "SECTION 4E.08 THROUGH 4E.13 - PEDESTRIAN DETECTORS" IN THE 2009 MUTCD WITH REVISIONS 1 AND 2.

LOADS	TRAFFIC SIGNAL POLE	RAMP METERING POLE
ZE	6" 🛉 SCH 40	4" 🛉 SCH 40
NT	14.72 k.ft.	4.23 k.ft.
AR	0.97 kip	0.45 kip
ZE	18" Ø	18" Ø
NT	20.55 k.ft.	5.90 k.ft.
AR	1.36 kip	0.63 kip

	STANDARD PLAN NO.		
E SIGNALS	S-614-44		
	Standard Sheet No. 1 of 2		
ering Branch July 31, 2019	Project Sheet Number:		



-PEDESTAL POLE FOUNDATION DETAILS-

CAISSON DATA TABLE

FFIC SIGNAL PEDESTAL POLE CAISSON	RAMP METERING PEDESTAL POLE CAISSON
4'-8"	3'-2"
5'-0"	3'-6"

	STANDARD PLAN NO.
E SIGNALS	S-614-44
	Standard Sheet No. 2 of 2
ering Branch July 31, 2019	Project Sheet Number: