GENERAL NOTES

1. PEDESTRIAN PUSH BUTTON SHALL UTILIZE PEIZO SWITCH TECHNOLOGY. THE ACTUATOR COLOR SHALL CONTRAST WITH THE HOUSING OR MOUNTING. IF A TACTILE ARROW IS PROVIDED, THE TACTILE ARROW SHALL BE PART OF THE ACTUATOR AND SHALL CONTRAST WITH THE BACKGROUND.

2. ACCESSIBLE PEDESTRIAN SIGNAL SHALL INTEGRATE A PEDESTRIAN PUSH BUTTON INTO IT'S HOUSING. THE ACTUATOR COLOR SHALL CONTRAST WITH THE HOUSING AND SHALL VIBRATE DURING THE WALK INTERVAL. A CONTRASTING TACTILE ARROW SHALL BE PART OF THE ACTUATOR.

3. ACCESSIBLE PEDESTRIAN SIGNAL DUAL MOUNT APPLICATIONS SHALL INCLUDE THE REQUIRED AMOUNT OF 2½-INCH SADDLE ADAPTERS AND ALL HARDWARE TO FACILITATE THE WORK IN ADDITION TO THE ITEMS IDENTIFIED IN NOTE 2. THE SADDLE ADAPTER HARDWARE IS SPECIFIC TO THE INSTALLED ACCESSIBLE PEDESTRIAN SIGNAL.

4. PEDESTRIAN PUSH BUTTON POST ASSEMBLY SHALL INCLUDE ALUMINUM SHAFT, PUSH BUTTON BASE, HARDWARE, ANY ADDITIONAL MOUNTING/SADDLE BRACKETS NOT IDENTIFIED IN NOTES 1 AND 3, WIRING, CONCRETE, AND ALL OTHER ITEMS NECESSARY TO COMPLETE THE WORK.

5. SIGNS SHALL BE INCLUDED IN THE COST OF EITHER "PEDESTRIAN PUSH BUTTON" OR "ACCESSIBLE PEDESTRIAN SIGNAL" (TO WHICH THE SIGN IS INSTALLED FOR).


7. INSTALL ALL SIGNS, PEDESTRIAN PUSH BUTTONS, AND ACCESSIBLE PEDESTRIAN SIGNALS PER THE MANUFACTURE'S INSTALLATION RECOMMENDATIONS.

8. APPLY ANTI-SEIZE COMPOUND TO ALL BOLTS PRIOR TO ASSEMBLY.

9. APPLY A BEAD OF 1001 SILICONE SEALANT ALONG THE PUSH BUTTON UNIT WHERE IT COMES IN CONTACT WITH THE 4" ALUMINUM SHAFT (OR SADDLE BRACKETS) AND ALONG THE PUSH BUTTON BASE WHERE IT COMES IN CONTACT WITH THE CONCRETE.

10. EVERY EFFORT SHOULD BE MADE TO INSTALL PEDESTRIAN PUSH BUTTONS (OR ACCESSIBLE PEDESTRIAN SIGNALS) ON SEPARATE POLES. THE "DUAL MOUNT DETAIL" SHOULD ONLY BE UTILIZED WHEN ALL OTHER EFFORTS HAVE BEEN EXHAUSTED AND MUST, IN-TURN, ADHERE TO NOTES 12 AND 13 FOUND ON SHEET 4 OF THIS STANDARD.

11. ACCESSIBLE PEDESTRIAN SIGNAL REQUEST FORMS, WHICH ARE REQUESTED LOCALLY DUE TO A VISUAL IMPAIRMENT, CAN BE OBTAINED BY REACHING OUT TO COTD'S CIVIL RIGHTS & BUSINESS RESOURCE CENTER.
ANCHOR BOLT PLACEMENT

ANCHOR BOLT MOUNTING HARDWARE

PEDESTAL BASE DETAIL

2" PVC CONDUIT WITH 90° ELBOW

- A SMALLER PVC CONDUIT MAY BE INSTALLED PER THE DISCRETION OF THE ENGINEER

NOTES

1. POSTS SHALL BE SCHEDULE 40 ALUMINUM AND PAINTED (IF NECESSARY) WITH THE COLOR SPECIFIED IN THE PLANS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

2. APPROVED PUSH BUTTON BASES ARE LISTED ON COOTP APPROVED PRODUCTS LIST WEBSITE UNDER "TRAFFIC CONTROL SIGNAL".

3. ALL ELECTRICAL CONDUIT SHALL BE PVC SCHEDULE 80.

4. GROUNDING WIRE SHALL BE RIGID AND IMMERSED COVER AND LAID IN THE 2" INCH PVC CONDUIT TERMINATE GROUNDING WIRE TO THE SIGNAL GROUNDING SYSTEM IN PULLBOX.

5. POST ASSEMBLIES SHALL BE TETHERED TO AN ANCHOR BOLT. FOLLOW THE MANUFACTURER'S INSTALLATION RECOMMENDATIONS.

6. APPLY ANTI-SEIZE COMPOUND TO ALL BOLTS PRIOR TO ASSEMBLY.

7. BENT ANCHOR BOLTS SHALL BE EMBEDDED INTO NEW CONCRETE.

8. CONCRETE SHALL BE CLASS B OR MATCH THE PROPOSED SIDEWALK/CURB CONCRETE CLASS TYPE AS SPECIFIED IN THE PLANS.

PEDESTRIAN PUSH BUTTON POST ASSEMBLY

PEDESTRIAN PUSH BUTTON POST ASSEMBLY DETAILS

STANDARD PLAN NO.
S-614-45

Standard Sheet No. 2 of 6

Inspected By: Safety & Traffic Engineering Branch January 22, 2020

Project Sheet Numbers
1. PEDESTRIAN PUSH BUTTON POST ASSEMBLIES SHOWN ON SHEETS 4 THRU 6 ARE RECOMMENDED LOCATIONS, IF THE RECOMMENDED LOCATIONS ARE NOT FEASIBLE, SEE NOTES 6, 7 & 8 FOR ALTERNATIVE LOCATION PLACEMENTS.

2. SEE STANDARD M-608-1 FOR ALL SLOPE, LENGTH, ALLOWABLE USE, AND OTHER REQUIREMENTS FOR CURB RAMPS.

3. A CLEAR SPACE SHALL BE PROVIDED ADJACENT TO THE PEDESTRIAN PUSH BUTTON. THE CLEAR SPACE SHALL MEASURE 2.5 FEET (MINIMUM) IN WIDTH AND 4 FEET (MINIMUM) IN THE DIRECTION OF PEDESTRIAN TRAVEL.


5. MOUNTING HEIGHT OF THE PEDESTRIAN PUSH BUTTON SHALL BE BETWEEN 42 AND 48 INCHES.

6. THE PEDESTRIAN PUSH BUTTON SHALL BE LOCATED AS CLOSE AS POSSIBLE TO THE PUSH BUTTON CLEAR SPACE. 10 INCHES IS THE MAXIMUM SIDE REACH ALLOWED.

7. THE PEDESTRIAN PUSH BUTTON POST ASSEMBLY SHOULD BE PLACED BETWEEN 1.5 AND 6 FEET FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT, WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPractical TO MEET THIS DISTANCE, IT SHOULD NOT BE PlACED FARTHER THAN 10 FEET FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT. PEDESTRIAN PUSH BUTTON POST ASSEMBLIES SHAll NOT ObSTRACT THE REQUIRED 4 FOOT PEDESTRIAN ACCESS PATH.

8. THE PEDESTRIAN PUSH BUTTON POST ASSEMBLY SHALL BE PLACED WITHIN 5 FEET OF THE EDGE OF CROSSWALK/CROSSING.


10. SCREW THE SHAFT TO A TIGHTENED POSITION BEFORE MOUNTING THE PEDESTRIAN PUSH BUTTON UNIT TO THE SHAFT.

11. PLUMB THE PEDESTRIAN PUSH BUTTON POST ASSEMBLY WITH LEVELING SHIMS.

12. TWO PUSH BUTTONS ON THE SAME CORNER SHOULD BE SEPARATED BY 10 FEET, WHERE THERE ARE PHYSICAL CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THIS SEPARATION, THE PUSH BUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

13. WHEN TWO PUSH BUTTONS ARE SEPARATED BY LESS THAN 10 FEET, ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE INSTALLED AND THE SPEECH WALK MESSAGE SHALL BE ACTIVATED.
TYPE 1 PERPENDICULAR RAMPS

TYPE 2 RAMPS SMALL RADIUS

TYPE 1 DIRECTIONAL RAMPS

TYPE 2 RAMP (DIAGONAL)

TYPE 2 RAMPS LARGE RADIUS

TYPE 1 COMBINATION RAMP

PEDESTRIAN PUSH BUTTON
POST ASSEMBLY DETAILS

STANDARD PLAN NO. S-614-45

Traffic & Safety Engineering MKB

Issued By: Safety & Traffic Engineering Branch January 22, 2020

Project Sheet Number: 5 of 6