



NOTES:

- AUDIBLE – TACTILE PEDESTRIAN SIGNAL SYSTEM FOR ADA PEDESTRIAN PUSH BUTTON;
- SHALL CONSIST OF 2–12 PUSH BUTTON STATIONS (MAXIMUM OF 3 PER PHASE) CONTROLLED BY A SINGLE BASE UNIT AT/IN THE TRAFFIC CONTROL CABINET.
 - SYSTEM MUST BE ABLE TO PROVIDE THE FOLLOWING AUDIBLE FEATURES:
 A LOCATING TONE
 5 WALK SOUND CHOICES (FIELD SELECTABLE)
 3 PED–CLEARANCE SOUND CHOICES (FIELD SELECTABLE)
 DIRECTION OF TRAVEL (AS STANDARD FEATURE WITH EXTENDED PUSH)
 INFORMATION MESSAGE (CUSTOM FEATURE WITH EXTENDED PUSH)
 - ALL AUDIBLE SOUNDS MUST EMANATE FROM PUSH BUTTON STATION.
 - EACH AUDIBLE FEATURE MUST HAVE INDEPENDENTLY SETTABLE MINIMUM AND MAXIMUM VOLUME LIMITS.
 - ALL SOUNDS MUST AUTOMATICALLY ADJUST TO AMBIENT NOISE LEVELS OVER A 60 dB RANGE.
 - ALL SOUNDS FOR ALL PUSH BUTTON STATIONS MUST BE SYNCHRONIZED.
 - SYSTEM MUST BE ABLE TO PROVIDE AUDIBLE COUNTDOWN DURING PED CLEARANCE PHASE.
 - PUSH BUTTON STATIONS MUST REQUIRE ONLY TWO WIRES COMING FROM THE TRAFFIC CONTROL CABINET FOR EACH PHASE / CROSSWALK.
 - EACH PUSH BUTTON STATION MUST HAVE A 2" BUTTON WITH A TACTILE RAISED DIRECTIONAL ARROW ON THE BUTTON.
 - THE ARROW MUST BE ABLE TO BE CHANGED TO ONE OF FOUR DIRECTIONS.
 - THE ARROW/BUTTON MUST VIBRATE DURING THE WALK PERIOD, FOLLOWING A BUTTON PUSH.
 - PUSH BUTTON STATION FRAME SHALL BE MADE OF CAST ALUMINUM WITH MOUNTING HOLES TO HOLD A 9"x12" OR LARGER PEDESTRIAN SIGN.
 - ALL VOLUMES AND OPTIONAL FEATURES ARE TO BE SETTABLE USING A HAND HELD WIRELESS DEVICE WITH PASSWORD SECURITY.
 - WIRELESS DEVICE SHALL BE CAPABLE OF SETTING/UPDATING ALL PUSH BUTTON STATIONS ON THE INTERSECTION FROM A SINGLE PUSH BUTTON STATION (GLOBAL UPDATING).
 - SYSTEM MUST BE ABLE TO MUTE SOUNDS ON ALL CROSSWALKS EXCEPT ACTIVATED CROSSWALK (SELECTABLE FEATURE).
 - SYSTEM MUST BE ABLE TO HAVE MULTIPLE LANGUAGE CAPABILITY, SELECTABLE USER.
 - SYSTEM SHALL BE ABLE TO PLAY EMERGENCY PREEMPTION MESSAGE.
 - SYSTEM SHALL BE ABLE TO SELF TEST BUTTONS AND REPORT ANY FAULTS TO TRAFFIC CONTROLLER.
 - PEDESTRIAN BUTTON CASTING(S) SHALL BE YELLOW.

I:\CITYAPPS\AUTOCAD\STD_DETAILS\DRAWING_FILES\T20-09B

REV NO.	DATE	BY	APPR	AGE
1	2/07	RAW	AGE	
2	8/08	RAW	AGE	
3	7/14	RAW	CJC	
4	1/15	RAW	CJC	
5	2/21	OIS	CJC	
6	9/21	RAW	CJC	

PUBLIC WORKS – STREETS AND TRANSPORTATION

APPROVED BY: *[Signature]*
 TRAFFIC ENGINEER MANAGER
 APPROVED DATE: 9/1/2021



ADA PEDESTRIAN AUDIBLE PUSH BUTTON ASSEMBLY	STANDARD PLAN NUMBER T20-09B
---	---