

## **BOSTON TRANSPORTATION DEPARTMENT**

### **SPECIFICATION FOR AN ACCESSIBLE PEDESTRIAN PUSHBUTTON (APS)**

May 12, 2015

#### **General**

The APS shall consist of a vandal resistant ADA compliant pedestrian pushbutton with the following features:

- Vibro-tactile indication that walk is on
- Pushbutton locator tone
- Optional speech message for walk indication.
- A speech pushbutton information message.

The APS shall be programmable to emit audible sounds or voice message during pedestrian cycles. Sound shall be emitted from a weatherproof speaker from behind the APS unit. A separate system control unit is required at each button. A control unit which has multiple buttons will not be accepted. All features shall be compliant with the MUTCD.

#### **Features**

The APS shall include a power supply and control unit which installs in the pedestrian walk sign. The pushbutton activation shall trigger a latching LED, sound and vibrotactile bounce. A locator tone with a nominal duration of 0.15 seconds repeated at 1 second intervals shall be provided which automatically adjusts to ambient background noise. The button shall vibrate and a tone or voice message shall be provided during the walk display as indicated on plans or as directed by the BTM engineer. The sound shall automatically adjust to ambient background noise. Sounds shall have independent settings for minimum and maximum volume. A 5 by 7 inch informational sign shall be provided. Legend on the pedestrian sign shall be per MUTCD R10-3 and shall include the message in Braille. An arrow(s) shall be provided to be faced in the direction of the pedestrian crossing. The arrow(s) shall match the arrow(s) on the pushbutton. The unit shall be designed to operate at temperature from minus 25 degrees F to 165F.

#### **Training/Setup Equipment**

For orders of 8 or more APS units, the supplier shall provide 8 hours of training at a location to be provided by BTM. The supplier shall submit a syllabus to the BTM engineer for approval prior to the training. A remote control unit shall be supplied to BTM which will allow the user to configure custom locator tones, informational messages and custom walk sounds.

**Service Information and Warranty**

Service information shall be furnished to Boston Transportation Department consisting of operating instructions, schematics, parts locators, parts lists and trouble shooting guide. Two copies shall be supplied with each order.

Each unit shall be warranted to be free from defects in material and workmanship for a period of at least 2 years from the date of installation.