

Evaluation Table

PEP ID:	XXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

735 Detectors

735 ADA Compliant Pedestrian Push Button Detectors

ADOT Standard Specification: 735-2.02

ADOT Standard Drawing: T.S. 11-1, 11-2

Responsible Section: Traffic Group

Material Property	Specification/ Test Method	Requirements	Results	Pass/ Fail
Definition	735-2.02	The pedestrian detector shall be a push-button switch mounted inside an approved push-button housing, as shown on the Standard Drawings.		
Push Button Signs: Materials and Size	735-2.02	Pedestrian push-button signs shall be made with porcelain enameled 20 gage sheet steel, 9 inches by 12 inches in size.		
Push Button Signs: Corners	735-2.02	Corners of the sign shall be finished round for safety and neat appearance.		
Push Button Signs: Holes	735-2.02	Each hole shall be provided with a brass grommet.		
Push Button Signs: Lettering and Color	735-2.02	Instructions on the signs shall be black enameled letters or symbols on a white enamel background.		
Type I Pedestrian Push Button Housing Assembly: General	T.S. 11-1	The Type I cast aluminum push button assembly shall be used unless otherwise specified. The assembly shall consist of a housing, a mounted push button, an appropriately legended crossing sign (9" x 12"), mounting bars (or rails), and all necessary corrosion resistant mounting hardware.		
Type I Pedestrian Push Button Housing Assembly: Mounting	T.S. 11-1	The back of the housing shall have two separate adjustable mounting bars or rails that can be moved to fit a constant section or tapered section pole. The range of adjustment shall be 2 ½ inch in diameter to 18 inch diameter section.		

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Type I Pedestrian Push Button Housing Assembly: Finish	T.S. 11-1	The casting shall be shop powder coat or painted black.		
Type I Pedestrian Push Button Housing Assembly: Vandal Resistant	T.S. 11-1	The assembly, as supplied and mounted, shall be vandal resistant and meet or exceed the applicable standard requirements of the MUTCD.		
Type I Pedestrian Push Button Housing Assembly: Dust and Rain Proof	T.S. 11-1	The push button switch housing cover and switch button unit shall be fully gasketed and configured so it is dust and rain proof sign side up or down.		
Type I Pedestrian Push Button Housing Assembly: Contact	T.S. 11-1	The switch shall be a piezo electric type momentary contact normally open switch with a two inch diameter push button plate that activates on a pushing force of less than three pounds force.		
Type I Pedestrian Push Button Housing Assembly: Durability	T.S. 11-1	The button shall be rated and tested for a minimum of 10 million cycles.		
Type I Pedestrian Push Button Housing Assembly: Voltage	T.S. 11-1	The switch button unit shall be rated for traffic signal applications at 12 to 24 VAC.		
Type I Pedestrian Push Button Housing Assembly: Removeable	T.S. 11-1	The switch button unit shall be removeable.		
Type I Pedestrian Push Button Housing Assembly: Terminals	T.S. 11-1	The electrical terminals shall be brass and sized to accept up to a 14 AWG conductor.		
Can Style Pedestrian Push Button Housing Assembly	T.S. 11-2	Push button shall conform to all applicable requirements of T.S. 11-1. The exact configuration can vary as long as the same function is achieved.		