

Evaluation Table

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

606, 607, 608 Signing

607 Breakaway Assembly Components

ADOT Standard Specification: 607

ADOT Standard Drawing: S-3 series, S-4, S-5, S-6

Responsible Section: Traffic Group

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Slip Base Components, (as applicable)	PEP Internal	Slip Base components should only be replacement parts / hardware for approved slip base assemblies. (specify approved Slip Base PEP ID)		
W & S Shape Breakaway Post Components, Fabrication, (as applicable)	607-2.02	Base plates for the breakaway connections and friction fuse plates and back plates for the post hinge assembly shall be fabricated from the same type structural steel selected for the sign posts. (Posts shall be fabricated from structural steel conforming to the requirements of ASTM A572, Grade 50 or ASTM A588)		
W & S Shape Breakaway Post Components, Plate Holes and Notches, (as applicable)	607-2.02	All plate holes shall be drilled and all plate notches shall be saw cut, except that flame cutting will be permitted provided all edges are ground.		
W & S Shape Breakaway Post Components, Flange Holes, (as applicable)	607-2.02	Flange holes shall be drilled or sub-punched and reamed.		
W & S Shape Breakaway Post Components, Hardware, (as applicable)	607-2.02	Bolts, nuts and washers shall conform to the requirements of ASTM A325.		
W & S Shape Breakaway Post Components, Post and Plate Galvanization, (as applicable)	607-2.02	Posts and plates shall be galvanized after fabrication in accordance with the requirements of ASTM A123.		

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
W & S Shape Breakaway Post Components, Hardware Finish, (as applicable)	607-2.02	Bolts, nuts, and washers shall be cadmium plated in accordance with the requirements of ASTM B766, or zinc plated in accordance with the requirements of ASTM B633.		
W & S Shape Breakaway Post Components, W Shape Post Details, (as applicable)	S-4	W Shape Breakaway Post Fuse Plate and Hinge Details shall meet the requirements of ADOT Standard Drawing S-4.		
W & S Shape Breakaway Post Components, W Shape Post Details, (as applicable)	S-5	W Shape Breakaway Post Details shall meet the requirements of ADOT Standard Drawing S-5.		
W & S Shape Breakaway Post Components, S Shape Post Details, (as applicable)	S-6	S4 x 7.7 Post Details shall meet the requirements of ADOT Standard Drawing S-6.		