

Evaluation Table

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

908 Detectable Warning Device
 908 Surface Mounted Tactile Warning Surfaces (Concrete Tiles and Panels)
 ADOT Standard Specification: 908, also see DWD Guidelines
 ADOT Standard Drawing: C-05.30 Sheet 7
 Responsible Section: Roadway Group

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Dome Base Diameter, inches	DWD Guidelines C-05.30, Sheet 7	0.9 - 1.4		
Dome Top Diameter, %	DWD Guidelines C-05.30, Sheet 7	50 - 65% of base diameter		
Dome Height, inches	DWD Guidelines C-05.30, Sheet 7	0.2		
Dome Spacing, Center to Center, inches	DWD Guidelines C-05.30, Sheet 7	1.6 - 2.4		
Dome Spacing, Base to Base, inches	DWD Guidelines C-05.30, Sheet 7	0.65 minimum		
Installation Instructions	DWD Guidelines	Manufacturers shall provide detailed installation instructions.		
Fabrication	DWD Guidelines	Detectable warning strip components shall be pre-fabricated. There shall be no on-site fabrication of truncated domes.		
Skid Resistance	DWD Guidelines	Detectable warning strips shall be skid resistant.		
Flexibility	DWD Guidelines	Detectable warning strips shall be rigid, inflexible, and non-yielding.		
Flammability	DWD Guidelines	Detectable warning strips shall be non-flammable.		
Average Compressive Strength, minimum, psi	DWD Guidelines ASTM C39	8,000		
Average Flexural Strength, minimum, psi	DWD Guidelines ASTM C947	1,000		
Water Absorption, maximum, %	DWD Guidelines ASTM C936	Average: 5		
		Individual: 7		

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Resistance to a minimum of 50 freeze-thaw cycles, maximum	DWD Guidelines ASTM C666	0% material loss		
		20% relative dynamic modulus elasticity loss		
Abrasion Resistance, average thickness loss, maximum, inches (mm)	DWD Guidelines ASTM C418	0.118 (3)		
Average Slip Resistance, minimum	DWD Guidelines ASTM C1028	Dry: 0.8		
		Wet: 0.6		
Adhesion / Bond Strength	DWD Guidelines ASTM C482	No adhesion failure		
Impact strength of domes, Minimum, inch lbs	DWD Guidelines ASTM D5420	550		
Anchor Pullout Strength	DWD Guidelines ASTM E754 or ASTM E488 or ASTM E1512	Report Only		
Adhesion Bond Strength	DWD Guidelines ASTM C1583	Report Only		