

Evaluation Table

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

908 Detectable Warning Device
 908 Embedded 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		