

## Evaluation Table

<b>PEP ID:</b>	<b>XXXXX</b>
<b>Manufacturer:</b>	<b>Name of Manufacturer</b>
<b>Product Name:</b>	<b>Name of Product</b>

701 Maintenance and Protection of Traffic  
 701 Pavement Marking: Chip Seal Pavement Markers  
 ADOT Standard Specification: 701-2.05(A)  
 ADOT Standard Drawing: M-20  
 Responsible Section: Traffic Group

<b>Material Property</b>	<b>Specification/ Test Method</b>	<b>Requirement</b>	<b>Results</b>	<b>Pass/ Fail</b>
Properties	701-2.05(A)	The Chip Seal marker body and cover shall be manufactured from a polyurethane material.		
Specific Gravity, min	701-2.05(A) ASTM D792	1.19		
Hardness, A, min	701-2.05(A) ASTM D2240	80		
Tensile Strength, psi, min	701-2.05(A) ASTM D412	4,600		
Ultimate Elongation, %, min	701-2.05(A) ASTM D412	330		
Modulus @ 300%, psi, min	701-2.05(A) ASTM D412	1,000		
Stiffness @ -20°F, psi, min	701-2.05(A) ASTM D1053	17,000		
Stiffness @ 70°F, psi, min	701-2.05(A) ASTM D1053	900		
Compression Set 22hrs @ 70°C, min	701-2.05(A) ASTM D395	65		
Taber Abrasion CS 17 wheel, weight loss (mg/1,000 cycles), max	701-2.05(A)	3		

Reflective Tape	701-2.05(A)	Reflective tape shall be metalized polycarbonate microprism retroreflective material with acrylic backing or equal.		
Reflective Tape	701-2.05(A)	The tape shall have a minimum reflectance equal to or greater than 1,800 candelas per foot-candle per square foot at 0.10-degree observation and 0-degree entrance angles.		
Marker Width, inches, min	M-20 (2 of 2)	3.5		
Marker Height, inches, min	M-20 (2 of 2)	2.0		
Prismatic Reflective Tape Height, inches, min	M-20 (2 of 2)	0.25		
Marker Thickness, inches, min	M-20 (2 of 2)	0.060		
Length of pressure sensitive adhesive pad, inches, min	M-20 (2 of 2)	"L" Design: 1.125		
		"T" Design: 2.25		
Color	M-20 (2 of 2)	Yellow markers shall have yellow bodies and yellow reflective sheeting. White markers shall have white bodies and white reflective sheeting.		
Cover	M-20 (2 of 2)	The configuration and dimensions of the cover shall be sufficient to protect the reflective face from applied oils and pavements.		