Paint Properties	Test Method	Standard Waterborne Paint Type 1				Standard Waterborne Paint Type2				Semi-Durable Waterborne Paint Type 3				High-Build Waterborne Paint Type 4				Cold Weather Waterborne Paint Type 5				Semi Durable Cold Weather Waterborne Paint Type 6			
		White		Yellow[8]		White		Yellow[8]		White		Yellow[8]		White		Yellow[8]		White		Yellow[8]		White		Yellow[8]	
		Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
Density of Paint (lb/gal)	ASTM D 1475	14.02 ± 0.3		13.86 ± 0.3		14.00 ± 0.3		13.85 ± 0.3		14.02 ± 0.3		13.85 ± 0.3		14.06 ± 0.3		13.82 ± 0.3		12.5		12.5		12.5		12.5	
Viscosity, KU																									
@35°F	ASTM D 562																								
@77°F		82	93	82	93	82	93	82	93	82	93	82	93	82	93	82	93	80	87	80	87	82	93	82	93
@90°F																									
Nonvolatile Content, % by weight	ASTM D 2369	76		76		76		76		77		77		77		77		72		72		72		72	
Pigment Content, % by weight	ASTM D 3723		66		66		66		66		65		65	62		62		55		55		55		55	
Nonvolatile Vehicle (NVV), % by weight	ASTM D 2369 ASTM D 3723[1]	40		40		40		40		43		43		43		43		40		40		37		36	
Volatile Organic Content (VOC) lbs/gal	ASTM D 3960		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00		1.00
Fineness of Grind, (Hegman Scale)	ASTM D 1210	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3	5	3	5	4.5	5	4.5	5
Contrast Ratio, @ 15 mils wet	ASTM D 2805	0.98	1	0.96	1	0.98	1	0.96	1	0.98	1	0.96	1	0.98	1	0.96	1	0.98	1	0.98	1	0.98	1	0.98	1
Directional Reflectance %, @ 15 mils wet	WSDOT T 314	88	93	52	59	88	93	52	59	88	93	52	59	90	95	52	59	87	92	52	59	87	92	52	59
Flash Point, °F	ASTM D 93	100°		100°		100°		100°		100°		100°		100°		100°		100°		100°		100°		100°	
pH	ASTM E 70	9.7		9.7		9.7		9.7		9.7		9.7		9.7		9.7		9.7		9.7		9.7		9.7	
Laboratory Dry Time (Minutes)	ASTM D 711	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9	5	9
Vehicle Composition	ASTM D 2621	DOW 3427				DOW 5408				DOW 3427				DOW HD-21				DOW 5408				DOW 5408			
Freeze-Thaw Stability, KU	ASTM D 2243 and D 562	± 2 KU		± 4 KU		± 3 KU		± 4 KU		± 4 KU		± 4 KU		± 5 KU		± 3 KU		± 4 KU		± 3 KU		± 4 KU		± 3 KU	
Heat Stability	ASTM D 562[2]	± 3 KU from the initial viscosity				± 4 KU from the initial viscosity				± 5 KU from the initial viscosity				± 4 KU from the initial viscosity				± 4 KU from the initial viscosity				± 3 KU from the initial viscosity			
Low Temperature Film Formation	ASTM D 2805[3]																								
Cold Flexibility[6]	ASTM D522	No Cracks				No Cracks				No Cracks				No Cracks				No Cracks				No Cracks			
Test Deck Durability	ASTM D913	> 70%				> 70%				> 70%				> 70%				> 70%				> 70%			
Mud Cracking	(See note 7)	No Cracks				No Cracks				No Cracks				No Cracks				NA				NA			
Polymer Elongation	ASTM D638 Type IV, 3-7 Days	NA				NA				NA				NA				NA				>90%			