

Road Conditions Data

Road Jurisdiction: City of Hamilton

Version Date: Jun 24, 2019

Road Segment	Test Date	Surface Condition	Test Speed (km/h)	Total Testing Time (In Seconds)	Sampling Rate of Date Collection	Travel Direction	Lateral Motion Standard Deviation	Longitudinal Motion Standard Deviation
Lincoln Alex Exp, Approaching Paradise Rd - Eastbound	May 15-19	Bare & Dry	85 to 88	30.0	32 Hertz	Eastbound	0.0217	0.0136
Lincoln Alex Exp, Passing Overpass of Paradise Rd at 4.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0388	0.0154
Lincoln Alex Exp, Passing Garth St Overpass at 10.5 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0259	0.0117
Lincoln Alex Exp, Approaching West 5th St Overpass	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0216	0.0099
Lincoln Alex Exp, Passing Upper James St Overpass at 20.75 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0258	0.0123
Lincoln Alex Exp, From 221 Metres East of Upper James St & Passing Overpass at Upper Wellington St at 27.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0239	0.0122
Lincoln Alex Exp, Approaching Upper Wentworth Overpass	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0214	0.0115
Lincoln Alex Exp, Passing Upper Wentworth Overpass at 3.75 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0250	0.0136
Lincoln Alex Exp, Passing Upper Sherman Ave Overpass at 9.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0328	0.0162
Lincoln Alex Exp, From 502 Metres East of Upper Sherman Ave & Passing Upper Gage Overpass at 13.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0273	0.0134
Lincoln Alex Exp, From 406 Metres East of Upper Gage Ave & Passing Upper Ottawa St Overpass at 18.25 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0255	0.0145
Lincoln Alex Exp, From 281 Metres East of Upper Ottawa St	May 15-19	Bare & Dry	86	30.0	32 Hertz	Eastbound	0.0253	0.0149

Overall = 0.0263 0.0133

Road Segment	Test Date	Surface Condition	Test Speed (km/h)	Total Testing Time (In Seconds)	Sampling Rate of Date Collection	Travel Direction	Lateral Motion Standard Deviation	Longitudinal Motion Standard Deviation
Red Hill Valley Parkway; Passing Pritchard Rd Overpass at 21.5 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Northbound	0.0309	0.0190
RHVP; Passing Mud St Overpass at 5.65 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Northbound	0.0290	0.0116
RHVP; From 582 to 1328 Metres North of Mud St Overpass	May 15-19	Bare & Dry	87 to 92	30.0	32 Hertz	Northbound	0.0157	0.0133
RHVP; From 1328 to 2070 Metres North of Mud St Overpass	May 15-19	Bare & Dry	92 to 86	30.0	32 Hertz	Northbound	0.0196	0.0098
RHVP; Passing Greenhill Ave Overpass at 21.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Northbound	0.0132	0.0127
RHVP; Passing Railway Overpass at 25.75 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Northbound	0.0161	0.0153
RHVP; Passing Mt Albion Overpass at 10.75 Seconds & Passing King St Overpass at 18.75 Seconds	May 15-19	Bare & Dry	86 to 70	30.0	32 Hertz	Northbound	0.0139	0.0144
RHVP; From 225 Metres North of King St Overpass & Passing Queenston Rd Overpass at 28.0 Seconds	May 15-19	Bare & Dry	75 to 86	30.0	32 Hertz	Northbound	0.0122	0.0112
RHVP; From 48 to 765 Metres North of Queenston Rd Overpass	May 15-19	Bare & Dry	86	30.0	32 Hertz	Northbound	0.0158	0.0119
RHVP; Passing Barton St Overpass at 25.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Northbound	0.0205	0.0141
RHVP; From 119 to 836 Metres North of Barton St & Passing Railway Overpass at 16.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Northbound	0.0224	0.0196

							Overall =	0.0190	0.0139
Road Segment	Test Date	Surface Condition	Test Speed (km/h)	Total Testing Time (In Seconds)	Sampling Rate of Date Collection	Travel Direction	Lateral Motion Standard Deviation	Longitudinal Motion Standard Deviation	
Red Hill Valley Parkway, Southbound, Passing Railway Bridge at 26.5 Seconds	May 15-19	Bare & Dry	86 to 100 kmh	30.0	32 Hertz	Southbound	0.0231	0.0143	
Red Hill Valley Parkway, Passing Barton St Overpass at 17.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Southbound	0.0196	0.0167	
Red Hill Valley Parkway, Between 336 and 1053 Metres South of Barton St	May 15-19	Bare & Dry	86	30.0	32 Hertz	Southbound	0.0157	0.0135	
Red Hill Valley Parkway, Passing Queenston Rd Overpass at 13.5 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Southbound	0.0138	0.0121	
Red Hill Valley Parkway, Passing King St Overpass at 19.0 Seconds & Passing Albion Rd Overpass at 26.5 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Southbound	0.0151	0.0111	
Red Hill Valley Parkway, Passing Railway Bridge at 10.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Southbound	0.0162	0.0129	
Red Hill Valley Parkway, Passing Greenhill Ave Overpass at 14.5 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Southbound	0.0158	0.0152	
Red Hill Valley Parkway, from 370 to 1087 Metres South of Greenhill Ave Overpass	May 15-19	Bare & Dry	86	30.0	32 Hertz	Southbound	0.0131	0.0098	
Red Hill Valley Parkway, from 1087 to 1804 Metres South of Greenhill Ave Overpass	May 15-19	Bare & Dry	86	30.0	32 Hertz	Southbound	0.0169	0.0128	
Red Hill Valley Parkway, from 1804 to 2521 Metres South of Greenhill Ave Overpass (Almost Reached Mud Street Overpass)	May 15-19	Bare & Dry	86	30.0	32 Hertz	Southbound	0.0128	0.0097	
Red Hill Valley Parkway, Passing Mud St Overpass at 2.25 Seconds & Passing Pritchard Rd Overpass at 16.5 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Southbound	0.0192	0.0150	
							Overall =	0.0165	0.0130
Road Segment	Test Date	Surface Condition	Test Speed (km/h)	Total Testing Time (In Seconds)	Sampling Rate of Date Collection	Travel Direction	Lateral Motion Standard Deviation	Longitudinal Motion Standard Deviation	
Lincoln Alex Pkwy, From West of Dartnall Rd to Almost At Upper Ottawa St Overpass - Westbound	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0345	0.0144	
Lincoln Alex Pkwy, Passing Upper Ottawa Overpass at 2.25 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0339	0.0148	
Lincoln Alex Pkwy, From 663 Metres West of Upper Ottawa St & Passing Upper Gage Ave Overpass at 7.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0340	0.0163	
Lincoln Alex Pkwy, Passing Upper Sherman Ave Overpass at 10.75 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0467	0.0259	
Lincoln Alex Pkwy, Passing Upper Wentworth St at 16.25 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0357	0.0159	
Lincoln Alex Pkwy, Passing Upper Wellington St at 23.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0267	0.0132	
Lincoln Alex Pkwy, Passing Upper James St at 29.5 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0200	0.0161	
Lincoln Alex Pkwy, Passing West 5th St Overpass at 16.5 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0147	0.0089	
Lincoln Alex Pkwy, Passing Fiona Crescent Pedestrian Walkway Overpass at 13.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0150	0.0090	
Lincoln Alex Pkwy, Passing Garth St Overpasses at 9.5 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0261	0.0119	
Lincoln Alex Pkwy, Passing Upper Paradise Rd Overpasses at 16.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0243	0.0123	

Lincoln Alex Pkwy, From 334 to 1051 Metres West of Upper Paradise Rd	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0212	0.0120
Lincoln Alex Pkwy, Passing Mohawk Rd (Golf Links Rd) Overpass at 30.0 Seconds	May 15-19	Bare & Dry	86	30.0	32 Hertz	Westbound	0.0206	0.0118
						Overall =	0.0272	0.0140
Road Segment	Test Date	Surface Condition	Test Speed (km/h)	Total Testing Time (In Seconds)	Sampling Rate of Date Collection	Travel Direction	Lateral Motion Standard Deviation	Longitudinal Motion Standard Deviation
Lincoln Alex Pkwy, Approaching Paradise Rd - Eastbound	Jun 16-19	Bare & Dry	80 to 87	30.0	32 Hertz	Eastbound	0.0259	0.0135
Lincoln Alex Pkwy, Passing Upper Paradise Rd Overpass at 19.5 Seconds	Jun 16-19	Bare & Dry	88	30.0	32 Hertz	Eastbound	0.0289	0.0145
Lincoln Alex Pkwy, Passing Garth St Overpass at 25.0 Seconds	Jun 16-19	Bare & Dry	88	30.0	32 Hertz	Eastbound	0.0296	0.0141
Lincoln Alex Pkwy, Passing Fiona Cres Pedestrian Crossing Overpass at 21.25 Seconds	Jun 16-19	Bare & Dry	88	30.0	32 Hertz	Eastbound	0.0293	0.0134
Lincoln Alex Pkwy, Passing West 5th St Overpass at 17.25 Seconds	Jun 16-19	Bare & Dry	88	30.0	32 Hertz	Eastbound	0.0272	0.0121
Lincoln Alex Pkwy, Passing Upper James St Overpass at 4.25 Seconds	Jun 16-19	Bare & Dry	88	30.0	32 Hertz	Eastbound	0.0219	0.0113
Lincoln Alex Pkwy, Passing Upper Wellington St Overpass at 9.75 Seconds	Jun 16-19	Bare & Dry	88	30.0	32 Hertz	Eastbound	0.0344	0.0135
Lincoln Alex Pkwy, Passing Upper Wentworth st at 15.25 Seconds	Jun 16-19	Bare & Dry	88	30.0	32 Hertz	Eastbound	0.0231	0.0126
Lincoln Alex Pkwy, Passing Upper Sherman Ave Overpass at 20.25 Seconds	Jun 16-19	Bare & Dry	88	30.0	32 Hertz	Eastbound	0.0311	0.0162
Lincoln Alex Pkwy, Passing Upper Gage Ave Overpass at 23.25 Seconds	Jun 16-19	Bare & Dry	89	30.0	32 Hertz	Eastbound	0.0384	0.0177
Lincoln Alex Pkwy, Passing Upper Ottawa St Overpass at 28.25 Seconds	Jun 16-19	Bare & Dry	89	30.0	32 Hertz	Eastbound	0.0245	0.0148
Lincoln Alex Pkwy, From 43 to 785 Metres East of Upper Ottawa St Overpass	Jun 16-19	Bare & Dry	89	30.0	32 Hertz	Eastbound	0.0324	0.0160
Lincoln Alex Pkwy, Passing Dartnall Rd Overpass at 19.75 Seconds	Jun 16-19	Bare & Dry	89 to 86	30.0	32 Hertz	Eastbound	0.0309	0.0160
						Overall =	0.0290	0.0143
Road Segment	Test Date	Surface Condition	Test Speed (km/h)	Total Testing Time (In Seconds)	Sampling Rate of Date Collection	Travel Direction	Lateral Motion Standard Deviation	Longitudinal Motion Standard Deviation
Red Hill Valley Pkwy, Northbound, Passing Mud St Overpass at 10.0 Seconds	Jun 16-19	Freshly Paved, Dry Asphalt	89 to 87	30.0	32 Hertz	Northbound	0.0129	0.0093
Red Hill Valley Pkwy, from 489 to 1222 Metres North of Mud St	Jun 16-19	Freshly Paved, Dry Asphalt	88 to 94	30.0	32 Hertz	Northbound	0.0161	0.0110
Red Hill Valley Pkwy, from 1222 to 1980 Metres North of Mud St	Jun 16-19	Freshly Paved, Dry Asphalt	94 to 88	30.0	32 Hertz	Northbound	0.0129	0.0101
Red Hill Valley Pkwy, Passing Greenhill Ave Overpass at 23.5 Seconds	Jun 16-19	Freshly Paved, Dry Asphalt	88	30.0	32 Hertz	Northbound	0.0103	0.0100
Red Hill Valley Pkwy, Passing Railway Bridge Overpass at 28.0 Seconds	Jun 16-19	Freshly Paved, Dry Asphalt	88	30.0	32 Hertz	Northbound	0.0127	0.0112
Red Hill Valley Pkwy, Passing Mt Albion Rd Overpass at 10.75 Seconds & Passing King St Overpass at 17.5 Seconds	Jun 16-19	Freshly Paved, Dry Asphalt	88	30.0	32 Hertz	Northbound	0.0134	0.0095

