

Buena Vista Ride Validation Site
 MDOT Truck measurements July 9 , 2010 (Hynes)

Run	RQI Left	RQI Right	PI(zero) Left	PI(zero) Right	IRI Left	IRI Right	RN Left	RN Right
1	65.30	61.3	47.6	47.5	147.2	117.4	3.1	3.2
2	65.10	65.2	49.0	53.2	142.8	123.9	3.1	3.1
3	65.1	61	46.7	49.4	144.2	118.8	3.1	3.3
4	65.30	62.2	50.1	50.0	145.6	119.9	3.1	3.2
5	65.00	60.9	47.4	48.2	143.7	119.4	3.1	3.3
6	64.70	62.4	45.9	50.8	141.4	119.6	3.1	3.2
8	65.20	62	50.2	49.8	147.2	119.5	3.1	3.2
9	64.10	64.4	47.9	52.0	139.2	122.8	3.1	3.1
11	65.60	66.3	52.0	54.2	141.4	130.3	3.1	3.1
12	64.90	63.4	53.0	53.0	144.4	125.5	3.1	3.2
Average	65.03	62.91	48.98	50.81	143.71	121.71	3.10	3.19
Std. Dev.	0.41	1.86	2.32	2.23	2.59	3.93	0.00	0.07
Coef Var.	0.63	2.95	4.73	4.39	1.80	3.23	0.00	2.31

Acceptable range for each index value (plus or minus two standard deviations)

<u>Minimum</u>	<u>64.2</u>	<u>59.2</u>	<u>44.3</u>	<u>46.3</u>	<u>138.5</u>	<u>113.8</u>	<u>3.1</u>	<u>3.0</u>
<u>Maximum</u>	<u>65.8</u>	<u>66.6</u>	<u>53.6</u>	<u>55.3</u>	<u>148.9</u>	<u>129.6</u>	<u>3.1</u>	<u>3.3</u>

These runs not used:

10	62.5	63.7	46.1	52.6	141.4	124.6	3.2	3.2
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These runs thrown out:

7	100.00	100	55.4	38.9	103.9	96.9	3.3	3.3
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Location

On Nodular Drive, off of M-81, just east of I-75. Do runs heading south.
 PK nail placed adjacent to 4th fire hydrant south of M-81, next to north drive to Peerless Steel.
 Start Transology based profilers 16.25 feet north of PK nail adjacent to fire hydrant.
 Start other profilers at PK nail adjacent to fire hydrant.

Directions

Exit I-75 at M-81 (Washington Rd), which is exit 151. Head east roughly 0.3 miles to Nodular Drive.
 Turn south onto Nodular Drive. Site starts near north drive to Peerless Steel

Approximate coordinates are **43.447988, -83.883743** (estimated from Google Earth)

Notes

Minimal traffic control needed, Slow speed industrial park access road.
 Parking available at cul de sac at south end of Nodular Drive
 Caution: Some trucks using Nodular drive carry molten aluminum, Minor spillage is evident along road.