

Traverse City Ride Validation Site
 MDOT Truck measurement , 2012 (Farnum)

Run	RQI Left	RQI Right	PI(zero) Left	PI(zero) Right	IRI Left	IRI Right	RN Left	RN Right
1	18.9	24.4	3.9	4.5	51.3	57.1	4.4	4.2
2	18.5	25.8	3.6	4.1	50.7	56.0	4.4	4.2
3	19.4	24.9	3.6	4.1	50.6	55.4	4.4	4.2
4	19.2	26.7	4.1	4.7	50.9	56.8	4.4	4.1
5	20.3	24.5	4.0	3.9	50.7	54.2	4.3	4.2
6	20.2	24.4	3.7	4.5	51.5	53.0	4.3	4.2
7	21.1	25.0	3.7	3.9	51.2	54.9	4.3	4.2
8	18.9	26.3	4.0	4.2	51.4	55.8	4.4	4.1
9	19.6	26.8	4.0	4.6	51.8	57.8	4.4	4.1
10	19.9	26.3	4.1	4.2	50.5	56.9	4.3	4.1
Average	19.60	25.51	3.9	4.3	51.1	55.8	4.4	4.2
Std. Dev.	0.79	0.97	0.20	0.29	0.44	1.46	0.05	0.05
Coef Var.	4.02	3.82	5.18	6.72	0.86	2.63	1.18	1.24

Accetable range for each index is plus or minus two standard deviations.

Minimum:	18.03	23.56	3.47	3.70	50.18	52.86	4.26	4.06
Maximum:	21.17	27.46	4.27	4.84	51.94	58.72	4.46	4.26

Runs not used:

11	20.0	26.8	4.1	4.3	51.9	57.0	4.3	4.1
12	20.8	26.4	4.2	4.3	50.5	56.3	4.3	4.2
13	21.1	24.2	4.1	4.0	53.3	53.5	4.3	4.3
14	21.4	25.7	4.0	4.4	51.3	56.0	4.3	4.2

Location:

Site is on northbound Bates Rd., in the village of Williamsburg. Parking is limited. This is a rural paved road with a 55 mph speed limit. Traffic is limited so this site should be acceptable for use with light weight profilers with limited traffic control. A shadow vehicle is recommended. The beginning point power pole on the east side of Bates Rd., past Railway Commons Rd. A PK nail with a brass washer is driven into the pavemejnt surface approximates one foot from the roadway shoulder. This site is 528 feet long and has Approximate Google coordinates **44.777276, -85.444755**

Directions:

Directions from main US-31/M-37 and M-72 intersection in Traverse City. Drive east on M-72 (West Grandview Parkway) approximately 1.25 miles to East Front St. Turn left and continue east on US-31/M-37/M-72 for approximately 1.25 miles, to to S. Garfield Rd., where M-37 turns north. Continue along front street for 0.4 miles, where E. Front St. turns north and M-37/M-72 becomes Munson St. Continue along Munson St. for approximately 5.7 miles to the intersection of US-31 and M-72. Turn right onto M-72 and drive approximately 2.75 miles to Bates Rd. Turn left on Bates Rd. and Drive approximately 1650 feet, to the beginning of the ride validation site.

Comments: Profile runs will be completed in the north bound lane. Runs begin at the PK nail and are ended at 528 feet.