

Big Rapids Ride Validation Site
MDOT Truck measurements April 24, 2013 (Farnum)

Run	IRI Left	IRI Right
14	50.74	89.59
2	53.50	94.06
11	52.37	86.86
4	53.73	91.20
5	53.45	90.59
6	52.41	92.68
7	51.46	90.67
8	52.61	87.41
9	50.79	91.41
10	51.58	87.95
Average	52.26	90.24
Std. Dev.	1.10	2.32
Coef Var.	2.10	2.57

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

<u>Minimum</u>	<u>50.1</u>	<u>85.6</u>
<u>Maximum</u>	<u>54.5</u>	<u>94.9</u>

Runs not used:

12	55.09	93.52
13	55.83	89.57
3	53.99	103.51
1	52.52	96.71

Location

18 mile road just east of US-131 freeway do runs going east bound.
Approximate coordinates are **43.728393, -85.528654** (estimated from Google Earth)

Directions

From US-131 take 19 mile road exit north of Big Rapids.
Drive east to 220TH avenue
Drive south 1 mile on 220TH avenue to 18 mile.
Drive west on 18 mile to end of road
Turn around and do runs heading east.
Start Transology based profilers at high voltage power pole on south side (west-most pole of two)
Start other profilers 16.25 feet east of high voltage power pole on S. side (west-most pole of two)

Notes

Low volume county road minimal traffic control needed, parking available in adjacent industrial park.