

**Prudenville Ride Validation Site**  
**MDOT truck/van measurements May 2016 (Farnum)**

| Run              | IRI         |             |
|------------------|-------------|-------------|
|                  | Left        | Right       |
| 1                | 43.2        | 40.1        |
| 2                | 45.1        | 43.1        |
| 3                | 44.6        | 40.9        |
| 4                | 41.8        | 39.8        |
| 5                | 42.1        | 40.0        |
| 6                | 41.9        | 41.0        |
| 7                | 41.5        | 41.9        |
| 8                | 42.5        | 42.9        |
| 9                | 44.4        | 41.3        |
| 10               | 41.5        | 42.3        |
|                  |             |             |
| <b>Average</b>   | <b>42.9</b> | <b>41.3</b> |
| <b>Std. Dev.</b> | <b>1.4</b>  | <b>1.2</b>  |
| <b>Coef Var.</b> | <b>3.2</b>  | <b>2.9</b>  |

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

|                 |             |             |
|-----------------|-------------|-------------|
| <b>Minimum:</b> | <b>40.1</b> | <b>38.9</b> |
| <b>Maximum:</b> | <b>45.6</b> | <b>43.7</b> |

**Location:**

This site is located on southbound M-157 approximately 2263 feet south of the junction with M-18 and approximately 4037 feet north of the south junction with M-55. A PK nail and brass washer located on the south bound roadway across from a STOP AHEAD, warning sign marks the start location. Transology type profilers begin collection 16.25 feet north of the PK nail. All other profiler models begin collection at the PK nail. Runs are to be completed in a southerly direction.  
 GPS coordinates: 44.315439,-84611327

**Directions:**

Exit I-75 onto eastbound M-55. Drive approximately ten miles to the junction with M-157  
 Turn onto north bound M-157 and drive approximately 0.8 miles to a STOP AHEAD adjacent to the north bound roadway.

**Note:** Traffic control and or a shadow vehicle are need for lightweight profilers.  
 Parking is availble on Commerce Blvd.