

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 8/21/2012
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SITE CALIBRATION INFORMATION

1. DATE OF CALIBRATION {mm/dd/yy} 8/21/12
2. TYPE OF EQUIPMENT CALIBRATED: Both
3. REASON FOR CALIBRATION: LTPP Validation
4. SENSORS INSTALLED IN LTPP LANE AT THIS SITE (Select all that apply):
- a. Inductance Loops *117* c. Bending Plates
- b. ~~Quartz Piezo~~ *10-13-2011* d.
5. EQUIPMENT MANUFACTURER: *10-13-2011 #2258*
IRD ISINC

WIM SYSTEM CALIBRATION SPECIFICS

6. CALIBRATION TECHNIQUE USED: Test Trucks
- Number of Trucks Compared:
- Number of Test Trucks Used: 2
- Passes Per Truck: 21

	Type	Drive Suspension	Trailer Suspension
Truck 1:	<u>9</u>	<u>air</u>	<u>air</u>
Truck 2:	<u>9</u>	<u>air</u>	<u>air</u>
Truck 3:	<u></u>	<u></u>	<u></u>

7. SUMMARY CALIBRATION RESULTS (expressed as a %):

Mean Difference Between -

Dynamic and Static GVW:	<u>1.7%</u>	Standard Deviation:	<u>1.9%</u>
Dynamic and Static Single Axle:	<u>3.7%</u>	Standard Deviation:	<u>4.2%</u>
Dynamic and Static Double Axles:	<u>1.3%</u>	Standard Deviation:	<u>4.1%</u>

8. NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED: 3

9. DEFINE SPEED RANGES IN MPH:

	Low		High	Runs
a.	<u>Low</u>	-	<u>44.0</u> <i>47.5</i> to <u>51.0</u>	<u>15</u>
b.	<u>Medium</u>	-	<u>51.1</u> <i>54.0</i> to <u>58.1</u>	<u>13</u>
c.	<u>High</u>	-	<u>58.2</u> <i>61.0</i> to <u>65.0</u>	<u>14</u>
d.	<u></u>	-	<u></u> to <u></u>	<u></u>
e.	<u></u>	-	<u></u> to <u></u>	<u></u>

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10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3410 3410

11. IS AUTO- CALIBRATION USED AT THIS SITE? No

If yes , define auto-calibration value(s):

CLASSIFIER TEST SPECIFICS

12. METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:

Manual

13. METHOD TO DETERMINE LENGTH OF COUNT: Number of Trucks

14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:

FHWA Class 9:	<u>0.0</u>	FHWA Class <u>5</u>	-	<u>0.0</u>
FHWA Class 8:	<u>80.0</u>	FHWA Class <u> </u>	-	<u> </u>
		FHWA Class <u> </u>	-	<u> </u>
		FHWA Class <u> </u>	-	<u> </u>

Percent of "Unclassified" Vehicles: 0.0%

Validation Test Truck Run Set - Pre

Person Leading Calibration Effort: Dean Wolf - ARA

Contact Information: Phone: 717-975-3550

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