

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE:	18
	SPS WIM ID:	180600
	DATE (mm/dd/yyyy)	3/17/2015

+ 18 3003

SITE CALIBRATION INFORMATION

- DATE OF CALIBRATION {mm/dd/yy} 3/17/15
- TYPE OF EQUIPMENT CALIBRATED: Both
- REASON FOR CALIBRATION: LTPP Validation
- SENSORS INSTALLED IN LTPP LANE AT THIS SITE (Select all that apply):

a. <u>Inductance Loops</u>	c. <u></u>
b. <u>Quartz Piezo</u>	d. <u></u>
- EQUIPMENT MANUFACTURER: IRD iSINC

WIM SYSTEM CALIBRATION SPECIFICS

- CALIBRATION TECHNIQUE USED: Test Trucks SPS WIM PROTOCOL

Number of Trucks Compared:
 Number of Test Trucks Used: 2
 Passes Per Truck: 20

	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>

- SUMMARY CALIBRATION RESULTS (expressed as a %):

Mean Difference Between -

Dynamic and Static GVW:	<u>2.5%</u>	Standard Deviation:	<u>1.6%</u>
Dynamic and Static Single Axle:	<u>2.8%</u>	Standard Deviation:	<u>2.5%</u>
Dynamic and Static Double Axles:	<u>2.6%</u>	Standard Deviation:	<u>3.2%</u>

- NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED: 3

- DEFINE SPEED RANGES IN MPH:

		Low		High	Runs
a.	<u>Low</u>	<u>48.0</u>	to	<u>51.7</u>	<u>14</u>
b.	<u>Medium</u>	<u>51.8</u>	to	<u>55.4</u>	<u>15</u>
c.	<u>High</u>	<u>55.5</u>	to	<u>59.0</u>	<u>11</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) 3243 3397

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>0.0</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
 Contact Information: Phone: 717-975-3550
 E-mail: dwolf@ara.com

ENTERED
6/JAN/16

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE: 18 SPS WIM ID: 180600 DATE (mm/dd/yyyy) 3/18/2015
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+ 18300

SITE CALIBRATION INFORMATION

1. DATE OF CALIBRATION {mm/dd/yy} 3/18/15
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. <u>Inductance Loops</u>	c. _____
b. <u>Bending Plates</u>	d. _____

QUARTZ PIEZO
5. EQUIPMENT MANUFACTURER: IRD iSINC

WIM SYSTEM CALIBRATION SPECIFICS

6. CALIBRATION TECHNIQUE USED: Test Trucks SPS WIM PROTOCOL

Number of Trucks Compared:	_____
Number of Test Trucks Used:	<u>2</u>
Passes Per Truck:	<u>22</u>

	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:	_____	_____	_____

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

Mean Difference Between -

Dynamic and Static GVW:	<u>0.9%</u>	Standard Deviation:	<u>2.4%</u>
Dynamic and Static Single Axle:	<u>1.6%</u>	Standard Deviation:	<u>2.4%</u>
Dynamic and Static Double Axles:	<u>0.8%</u>	Standard Deviation:	<u>3.9%</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>48.0</u>	to	<u>51.7</u>	<u>16</u>
b.	<u>Medium</u>	<u>51.8</u>	to	<u>55.4</u>	<u>14</u>
c.	<u>High</u>	<u>55.5</u>	to	<u>59.0</u>	<u>14</u>
d.	_____	_____	to	_____	_____
e.	_____	_____	to	_____	_____

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10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3143 3180

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:	1.0	FHWA Class 5	-	0.0
FHWA Class 8:	0.0	FHWA Class	-	
		FHWA Class	-	
		FHWA Class	-	

Percent of "Unclassified" Vehicles: 0.0%

Validation Test Truck Run Set - Post

Person Leading Calibration Effort: Dean Wolf
 Contact Information: Phone: 717-975-3550
 E-mail: dwolf@ara.com

ENTERED
6 JAN 2016