

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE: 55 SPS WIM ID: 550100 DATE : 12/5/2023
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SITE CALIBRATION INFORMATION

1. DATE OF CALIBRATION {mm/dd/yy} 12/5/23
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 c.
- b. Bending Plates d.
5. EQUIPMENT MANUFACTURER: 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: 20

	Type	Drive Suspension	Trailer Suspension
Truck 1:	<u>9</u>	<u>1 - Air</u>	<u>1 - Air</u>
Truck 2:	<u>9</u>	<u>1 - Air</u>	<u>1 - 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>-3.2%</u>	Standard Deviation:	<u>1.1%</u>
Dynamic and Static Single Axle:	<u>-2.7%</u>	Standard Deviation:	<u>2.2%</u>
Dynamic and Static Double Axles:	<u>-3.2%</u>	Standard Deviation:	<u>2.0%</u>

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

9. DEFINE SPEED RANGES IN MPH:

		Low		High	Runs
a.	<u>Speed Point 1</u>	<u>60.0</u>	to	<u>62.7</u>	<u>13</u>
b.	<u>Speed Point 2</u>	<u>62.8</u>	to	<u>65.4</u>	<u>13</u>
c.	<u>Speed Point 3</u>	<u>65.5</u>	to	<u>68.0</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) 3533 4196

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>6</u>	-	<u>0.0</u>
		FHWA Class	<u></u>	-	<u></u>
		FHWA Class	<u></u>	-	<u></u>

Percent of "Unclassified" Vehicles: 0.0%

Test Truck Run Set: Pre

Person Leading Calibration Effort: Dean Wolf, ARA

Contact Information: Phone: 717-975-3550

E-mail: dwolf@ara.com

ENTERED BY CO: 03/MAR/2024

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE: 55 SPS WIM ID: 550100 DATE : 12/6/2023
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SITE CALIBRATION INFORMATION

1. DATE OF CALIBRATION {mm/dd/yy} 12/6/23
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 c.
- b. Bending Plates d.
5. EQUIPMENT MANUFACTURER: 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: 20

	Type	Drive Suspension	Trailer Suspension
Truck 1:	<u>9</u>	<u>1 - Air</u>	<u>1 - Air</u>
Truck 2:	<u>9</u>	<u>1 - Air</u>	<u>1 - 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>-0.1%</u>	Standard Deviation:	<u>1.3%</u>
Dynamic and Static Single Axle:	<u>0.4%</u>	Standard Deviation:	<u>2.2%</u>
Dynamic and Static Double Axles:	<u>-0.2%</u>	Standard Deviation:	<u>2.5%</u>

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

9. DEFINE SPEED RANGES IN MPH:

		Low		High	Runs
a.	<u>Speed Point 1</u>	<u>59.0</u>	to	<u>62.0</u>	<u>14</u>
b.	<u>Speed Point 2</u>	<u>62.1</u>	to	<u>65.1</u>	<u>14</u>
c.	<u>Speed Point 3</u>	<u>65.2</u>	to	<u>68.0</u>	<u>12</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) 3653 4339

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>6</u>	-	<u>0.0</u>
		FHWA Class <u> </u>	-	<u> </u>
		FHWA Class <u> </u>	-	<u> </u>

Percent of "Unclassified" Vehicles: 0.0%

Test Truck Run Set: Post

Person Leading Calibration Effort: Dean Wolf, ARA

Contact Information: Phone: 717-975-3550

E-mail: dwolf@ara.com

ENTERED BY CO: 03/MAR/2024