

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE: 24 SPS WIM ID: 240500 DATE (mm/dd/yyyy) 7/27/2016
--	---

SITE CALIBRATION INFORMATION

1. DATE OF CALIBRATION {mm/dd/yy} 7/27/16
2. TYPE OF EQUIPMENT CALIBRATED: ~~WIM~~ BOTH
3. REASON FOR CALIBRATION: LTPP Validation
4. SENSORS INSTALLED IN LTPP LANE AT THIS SITE (Select all that apply):
- a. Bending Plates c.
- b. Inductance Loops 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>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>2.5%</u>	Standard Deviation:	<u>1.8%</u>
Dynamic and Static Single Axle:	<u>4.1%</u>	Standard Deviation:	<u>1.9%</u>
Dynamic and Static Double Axles:	<u>2.2%</u>	Standard Deviation:	<u>2.9%</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>44.0</u>	to	<u>47.7</u>	<u>10</u>
b.	<u>Medium</u>	-	<u>47.8</u>	to	<u>51.4</u>	<u>14</u>
c.	<u>High</u>	-	<u>51.5</u>	to	<u>55.0</u>	<u>16</u>
d.	<u></u>	-	<u></u>	to	<u></u>	<u></u>
e.	<u></u>	-	<u></u>	to	<u></u>	<u></u>

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE: 24 SPS WIM ID: 240500 DATE (mm/dd/yyyy) 7/27/2016
--	---

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED)

3824 3442

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:	-6.0	FHWA Class	5	-	0.0
FHWA Class 8:	0.0	FHWA Class		-	
		FHWA Class		-	
		FHWA Class		-	

Percent of "Unclassified" Vehicles: 2.0%

Validation Test Truck Run Set - Pre

Person Leading Calibration Effort:

Dean J. Wolf

Contact Information:

Phone: 717-975-3550

E-mail: dwolf@ara.com

ENTERED
23/JUN/2017
CO

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE: 24 SPS WIM ID: 240500 DATE (mm/dd/yyyy) 7/28/2016
--	---

SITE CALIBRATION INFORMATION

1. DATE OF CALIBRATION {mm/dd/yy} 7/28/16
2. TYPE OF EQUIPMENT CALIBRATED: ~~WIM~~ BOTH
3. REASON FOR CALIBRATION: LTPP Validation
4. SENSORS INSTALLED IN LTPP LANE AT THIS SITE (Select all that apply):
- a. Bending Plates c.
- b. Inductance Loops 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>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>0.9%</u>	Standard Deviation:	<u>1.4%</u>
Dynamic and Static Single Axle:	<u>-0.5%</u>	Standard Deviation:	<u>2.8%</u>
Dynamic and Static Double Axles:	<u>1.2%</u>	Standard Deviation:	<u>2.3%</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>45.0</u>	to <u>49.0</u>	<u>14</u>
b. <u>Medium</u>	-	<u>49.1</u>	to <u>53.1</u>	<u>13</u>
c. <u>High</u>	-	<u>53.2</u>	to <u>57.0</u>	<u>13</u>
d. <u></u>	-	<u></u>	to <u></u>	<u></u>
e. <u></u>	-	<u></u>	to <u></u>	<u></u>

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE: 24 SPS WIM ID: 240500 DATE (mm/dd/yyyy) 7/28/2016
--	---

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3795 3416

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>-7.0</u>
FHWA Class 8:	<u>20.0</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 - Post

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

ENTERED
23/JUN/2017
CO