

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE:	04
	SPS WIM ID:	040100
	DATE (mm/dd/yyyy)	5/1/2014

SITE CALIBRATION INFORMATION

1. DATE OF CALIBRATION {mm/dd/yy} 5/1/14
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>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>1.6%</u>	Standard Deviation:	<u>1.2%</u>
Dynamic and Static Single Axle:	<u>3.1%</u>	Standard Deviation:	<u>2.3%</u>
Dynamic and Static Double Axles:	<u>1.3%</u>	Standard Deviation:	<u>3.0%</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>54.0</u>	<u>57.7</u>	<u>14</u>	<u>55.9</u>
b. <u>Medium</u>	<u>57.8</u>	<u>61.4</u>	<u>14</u>	<u>59.6</u>
c. <u>High</u>	<u>61.5</u>	<u>65.0</u>	<u>12</u>	<u>63.3</u>
d. <u></u>	<u></u>	<u></u>	<u></u>	<u></u>
e. <u></u>	<u></u>	<u></u>	<u></u>	<u></u>

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10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED)

3080 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:	10.0	FHWA Class	5	-	-40.0
FHWA Class 8:	Unk	FHWA Class		-	
		FHWA Class		-	
		FHWA Class		-	

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](mailto:dewolf@ara.com)

ENTERED

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES					STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 5/1/2014				
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Count - 100 Time = 2:08:49 Trucks (4-15) - 100 Class 3s - 0

WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
66	9	36418	66	9	67	9	36617	65	9
63	9	36427	63	9	66	5	36639	64	5
68	11	36443	68	11	69	9	36647	68	9
65	11	36451	63	11	68	8	36648	68	5
68	9	36356	68	9	34	9	36651	33	9
69	9	36470	69	9	66	9	36656	65	9
68	9	36476	68	9	60	9	36657	59	9
66	9	36487	65	9	64	9	36663	62	9
62	9	36488	62	9	60	9	36665	59	6
69	8	36508	68	5	64	9	36668	66	9
65	9	36518	66	9	68	9	36673	68	4
65	9	36524	65	9	65	9	36674	68	4
65	9	36525	65	9	69	9	36675	68	9
65	9	36527	64	9	68	9	36681	68	6
64	9	36528	64	9	67	9	36691	66	9
65	9	36530	64	9	68	9	36697	66	9
70	5	36535	71	5	64	9	36704	64	9
65	9	36538	64	9	62	9	36712	63	9
69	9	36540	67	9	35	9	36721	33	9
78	9	36547	78	9	63	9	36725	63	9
67	9	36548	67	9	62	9	36726	63	9
70	9	36576	68	9	70	9	36736	68	9
70	9	36598	69	9	64	9	36738	64	9
65	9	36605	65	9	50	5	36739	45	5
65	9	36606	64	9	63	9	36741	65	9

Sheet 1 - 1 to 50 Start: 9:47:12 Stop: 10:50:45
 Recorded By: gh Verified By: djw

Validation Test Truck Run Set - Pre

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WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
62	9	36792	62	9	68	9	36949	68	9
66	5	36795	66	5	61	5	36954	61	5
67	9	36796	65	9	68	9	36959	68	6
62	5	36798	62	5	58	9	36961	54	5
62	8	36799	62	5	62	11	36973	62	11
57	9	36800	57	9	72	9	36975	71	6
68	9	36809	67	9	66	9	36979	65	9
67	9	36810	67	9	71	9	37014	71	9
65	9	36812	65	9	59	9	37016	58	9
64	9	36813	64	9	65	9	37018	64	9
63	9	36814	62	9	66	5	37019	64	5
70	10	36834	70	10	73	9	37023	72	9
67	9	36838	66	9	78	9	37024	77	9
65	9	36872	65	9	68	9	37032	68	9
69	9	36875	68	9	63	9	37034	63	9
67	9	36876	67	9	65	9	37063	64	9
64	11	36878	62	11	64	8	37071	63	5
64	11	36879	61	11	64	5	37072	62	5
65	9	36884	63	9	65	5	37074	65	4
70	9	36906	69	9	70	9	37080	70	9
70	9	36918	71	9	62	9	37081	62	9
63	6	36921	63	6	65	9	37088	64	9
67	8	36927	67	5	64	9	37090	63	9
65	9	36933	65	9	64	9	37092	64	9
60	8	36937	59	5	68	9	37093	67	9

Sheet 2 - 51 to 100

Recorded By: _____

Start: 11:00:51
gh

Stop: 11:56:01
djw