

WIM System Field Calibration and Validation Handout Guide

Virginia, SPS-1 and Additional Lane
SHRP ID – 510100

Validation Date: March 1, 2011



Table of Contents

1	Site Information	3
2	Contact Information	3
3	Schedule of Events.....	4
4	Maps.....	5
4.1	Site Location	5
4.2	Truck Scale Location.....	5
4.3	Airport Location	6
4.4	Hospital Location	6
5	Occupational Health and Safety Plan.....	7
6	Contingency Plan	7

1 Site Information

Site ID:	510100	State:	Virginia
LTPP Region:	North Atlantic	Configuration:	Loop-2 Bending Plates-Loop
Controller Type:	iSINC	Sensor Type:	Bending Plate
Power:	AC	Communication:	Landline
Class Scheme:	LTPP Mar 06	CPU type/setup:	iSINC

2 Contact Information

Agency	Contact	Position	Phone	E-Mail
FHWA	Debbie Walker	COTR	202 493-3068	deborah.walker@dot.gov
FHWA	Lorenzo Casanova	FHWA Division	804-775-3362	lorenzo.casanova@dot.gov
RSC	Frank Meyer	Project Manager	716-632-0804	fmeyer@stantec.com
VDOT	Thomas Shinkel	Traffic Contact	804-225-3123	tom.schinkel@vdot.virginia.gov
VDOT	Hamlin Williams	Traffic Contact	804-786-0134	hamlin.williams@vdot.virginia.gov
VDOT	Richard Bush	Traffic Contact	804-786-7006	richard.bush@vdot.virginia.gov
ARA	Dean Wolf	Task Leader	717-512-6638	dwolf@ara.com
ARA	Olga Selezneva	Project Manager	410-540-9949	oselezneva@ara.com

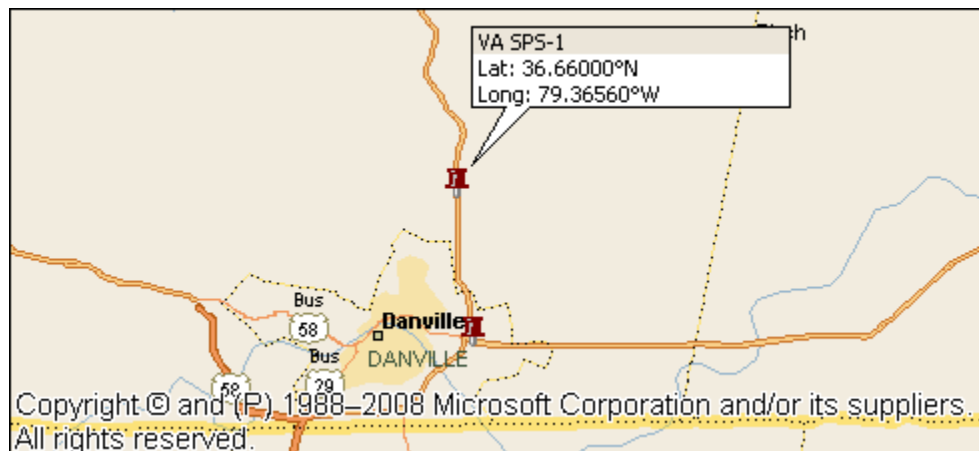
3 Schedule of Events

Date	Event	Location	Start Time
2/29/11	Travel	Danville, VA	TBD
3/1/11	Test Truck Weigh/Measure/Inspection	Pilot Travel Center	6:30 am
3/1/11	Equipment Assessment	WIM Site	7:30 am
3/1/11	Initial Performance Evaluation	WIM Site	8:00 am
3/1/11	System Test/Class and Speed Study	WIM Site	TBD
3/2/11	Test Truck Weigh/Measure/Inspection	Pilot Travel Center	6:30 am
3/2/11	Initial Performance Evaluation (cont.)	WIM Site	7:30 am
3/2/11	Calibration/Validation	WIM Site	TBD
3/3/11	Test Truck Weigh/Measure/Inspection	Pilot Travel Center	6:30 am
3/3/11	Validation (cont.)	WIM Site	7:30 am
3/3/11	Travel	Camp Hill, PA	TBD

4 Maps

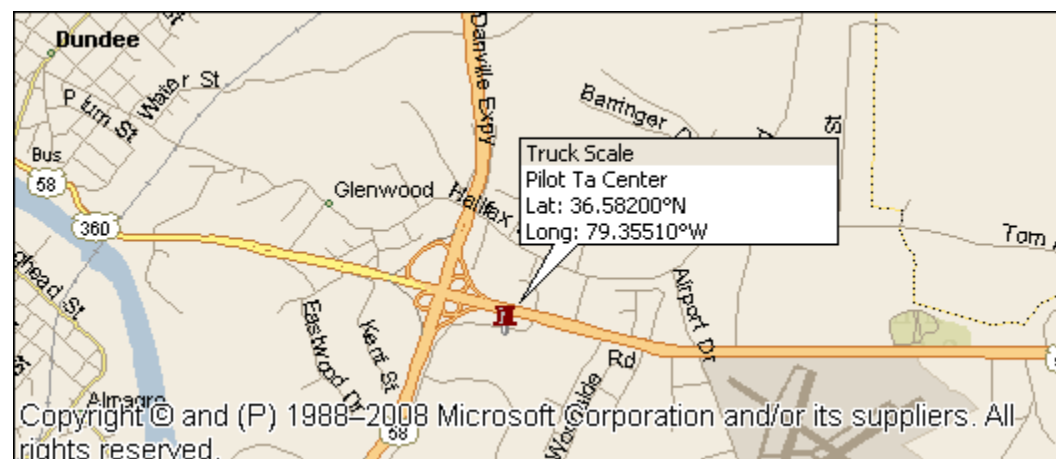
4.1 Site Location

Location:	US-29 bypass at M.P. 12.8, 5.3 miles north of US 360		Dir:	SB
Latitude:	36.660°	Longitude:	-79.3656°	



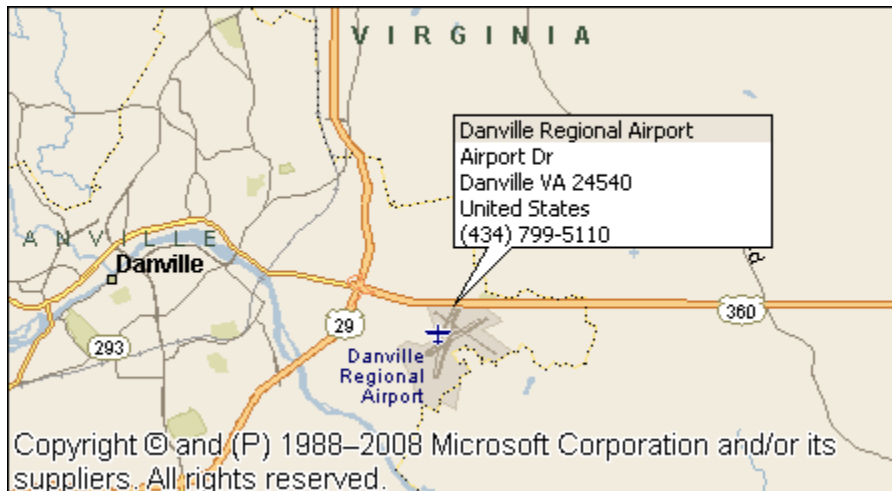
4.2 Truck Scale Location

Name:	Pilot Travel Center	Location:	Highways 58 & 29, Danville
Latitude:	36.5820°	Longitude:	-79.3551°



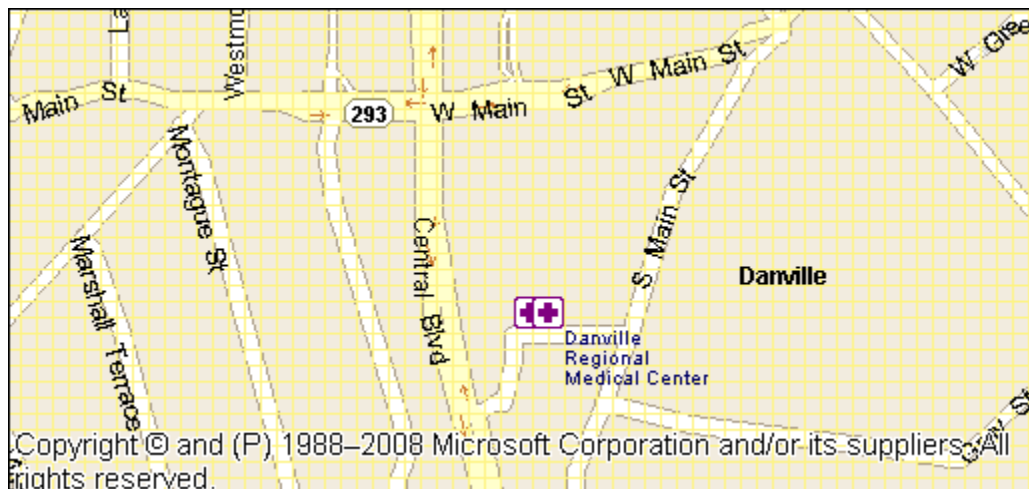
4.3 Airport Location

Name:	Danville Regional Airport	Location:	Airport Drive, Danville, VA
Latitude:	36.5750°	Longitude:	-79.3400°



4.4 Hospital Location

Name:	Danville Regional Medical Center - ER		
Phone:	434-799-2100	Location:	142 South Main Street, Danville, VA



5 Occupational Health and Safety Plan

All fieldwork in the right-of-way will be carried out when the ground visibility is more than 3 km, and when there is no accumulation of water, snow, or ice is on the pavement.

To the extent possible, inspection work during extremely high and low temperatures will be avoided. If the work becomes necessary, workers will be reminded to make appropriate precautions (wear protective clothing, drink fluids, and avoid prolonged exposure to severe weather conditions).

All personnel present on the right-of-way will wear approved safety gear (boots, reflective safety vest, and helmet).

The following items will be available at the site: a standard first-aid kit, a cell phone, and the location of nearby hospital(s).

6 Contingency Plan

If inclement weather is forecasted prior to mobilizing to the site, the Project Manager will make the final decision to postpone the Validation visit. The Task Leader is responsible for contacting all parties involved to inform them of the postponement. He is also responsible for rearranging travel.

Once the Validation team is on-site, the On-Site Task Leader is responsible for making decisions to delay or postpone the Validation. He will contact the Project Manager to make recommendations for completing the Validation, and the Project Manager will make the final decision to cancel or postpone. The On-Site Task Leader is responsible for contacting the COTR and all other participating parties to inform them of the delay or postponement.

Traffic Sheet 17 LTPP MONITORED TRAFFIC DATA WIM SITE INVENTORY	STATE CODE:	51
	SPS WIM ID:	510100
	DATE (mm/dd/yyyy)	3/1/2011

10. CABINET LOCATION

Same side of road as LTPP lane: Y
 Distance from edge of traveled lane: 27 ft
 distance from system: 41 ft
 type: M

Cabinet access controlled by: Agency and LTPP

Contact name: Hamlin Williams Phone # 804-786-7006
 Alternate name: Roy Czinku Phone # 306-653-6627

11. POWER

Distance to cabinet from drop: 4 ft
 Type: AC
 AC in cabinet? Y
 Service provider: _____ Phone # _____

12. TELEPHONE

Distance to cabinet from drop: 4 ft
 Type: landline
 Service provider: _____ Phone # _____

13. SYSTEM

Software and version no. iSINC
 Computer connection: RS-232

14. TEST TRUCK TURNAROUND TIME

Duration: 14 minutes Distance: 11.6 miles

15. PHOTOS

Filename

Power source: 510100_power_service_box_3_1_11.jpg
 Phone source: 510100_telephone_pedestal_3_1_11.jpg
 Cabinet exterior: 510100_cabinet_exterior_3_1_11.jpg
 Cabinet interior: 510100_cabinet_interior_front_3_1_11.jpg
 Weight sensors: 510100_leading_WIM_sensor_3_1_11.jpg
 510100_trailing_WIM_sensor_3_1_11.jpg
 Other sensors: 510100_leading_loop_sensor_3_1_11.jpg
 510100_trailing_loop_sensor_3_1_11.jpg
 Downstream from sensors on LTPP lane: 510100_downstream_3_1_11.jpg
 Upstream from sensors on LTPP lane: 510100_upstream_3_1_11.jpg

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
---	---

1. DATA PROCESSING

- a. Download: LTPP download
- b. Data review: LTPP
If state, how often? _____
- c. Data submission LTPP
If state how often? _____

2. EQUIPMENT

- a. Purchase LTPP
- b. Installation Included with purchase
- c. Maintenance Contract with purchase
Expiration Date _____
- d. Calibration LTPP
- e. Manuals and software control: LTPP
- f. Power
i. Type Underground ii. Payment State
- g. Communication
i. Type Landline ii. Payment State

3. PAVEMENT

- a. Type Portland Concrete Cement
- b. Allowable Rehabilitation activities Maintenance only
- c. Profile Site Markings Temporary

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
---	--

4. Onsite Activities

- a. WIM Validation Check advance notice required

_____ Days 2 Weeks

- b. Notice for straightedge and grinding check

_____ Days 4 Weeks

i. On site lead State

ii. Accept grinding State

- c. Authorization to calibrate site State

- d. Calibration routine LTPP annually
Other: _____

- e. Test Vehicle Responsibilities

- i. Trucks

1st-	<u>Air suspension 3S2</u>	<u>LTPP</u>
2nd-	<u>Air Suspension 3S2</u>	<u>LTPP</u>
3rd-	_____	_____
4th-	_____	_____

- ii. Loads LTPP

- iii. Drivers LTPP

- f. Contractor(s) with prior experience in wim calibration in state:

- g. Access to cabinet Joint

- h. State personel required on site No

- i. Traffic control required No

- J. Enforcement coordination required No

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
---	--

5. SITE SPECIFIC CONDITIONS

- a. Funds and accountability: _____
- b. Reports: _____
- c. Other: _____
- c. Special Conditions _____

6. CONTACTS

- a. Equipment (operational status, access, etc.)
Name Roy Czinku Phone # 306-653-6627
Agency IRD
- b. Maintenance (equipment)
Name Roy Czinku Phone # 306-653-6627
Agency IRD
- c. Data Processing and pre-visit data
Name Roy Czinku Phone # 306-653-6627
Agency IRD
- d. Construction schedule and verification
Name Don French Phone # 434-947-6559
Agency VDOT - Lynchburg
- e. Test Vehicles (trucks, loads, drivers)
Name Ed Foust Phone # 434-947-6559
Agency Thompson Trucking
- f. Traffic control
Name _____ Phone # _____
Agency _____
- g. Enforcement coordination
Name _____ Phone # _____
Agency _____
- h. Nearest static scale
Name Pilot Travel Center Location: 58 and 29
Phone: 434-792-1180

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
--	--

CALIBRATION TEST TRUCK - Primary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5
3. AXLE WEIGHTS (lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		9560	9220	Direct
B		16105	16020	Direct
C		16105	16020	Direct
D		16965	16925	Direct
E		16965	16925	Direct
F				

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 75700
- c. Post Test Loaded Weight: 75110
- d. Difference Post Test - Pre-Tests: 590

5. TRUCK DESCRIPTION

- a. Tractor Cab Style: Conventional Sleeper Cab: No
 photo: ☒

- b. Make: _____
- c. Model: _____

d. Trailer Load Distribution Description:

stone

photo: ☒

- e. Tractor Tare weight - _____ - _____
- f. Trailer Tare weight - _____ - _____
- g. Axle Spacing - _____

A to B 15.0 B to C 4.3 C to D 29.3 D to E 4.4 E to F _____

- h. Wheelbase - ☐ Measured _____ ☒ Computed 53.0
- i. Kingpin offset from Axle B (units) _____ photo: ☐
- j. Overall Length - ☒ Measured 59.0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
---	--

CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11 R 22.5	steel spring	☒
B	11 R 22.5	air	☒
C	11 R 22.5	air	☒
D	285/75/R26.5	air	☒
E	275/80R26.5	air	☒
F			☐

d. Cold Tire Pressures (psi)- from right to left

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
87.8	113.2	98.6	96.5	98.3	
	95.4	99.7	100.2	102.2	
	96.2	102.1	98.0	97.3	
91	94.7	96.4	92.3	95.7	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I				
A+B	II				
A+B+C	III				
A+B+C+D	IV				
A+B+C+D+E(1)	V				
A+B+C+D+E+(F)(1)	VI				
B+C+D+E+(F)	VII				
C+D+E+(F)	VIII				
D+E+(F)	IX				
E+(F)	X				
(F)	XI				
A+B+C+D+E+(F)(2)	XII				

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
---	---

CALIBRATION TEST TRUCK - Primary

Table 2 - Axle and GVW Computations -Platform Scale Pre-test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 3- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 4- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 5- Axle and GVW Computations - Platform Scale Post-Test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
---	---

CALIBRATION TEST TRUCK - Primary

Table 6 - Raw Data -Axle Scales - Pre-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	9580	16090	16090	16970	16970		75700
2	9540	16120	16120	16960	16960		75700
Avg.	9560	16105	16105	16965	16965		75700

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 9 - Raw Data -Axle Scales - Post-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	9220	16000	16000	16940	16940		75100
2	9220	16040	16040	16910	16910		75120
Avg.	9220	16020	16020	16925	16925		75110

Validation Test Truck Run Set - Pre

Measured By: kevin Trousdale

Verified By: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 51
	SPS WIM ID: 510100
	DATE (mm/dd/yyyy) 3/1/2011

CALIBRATION TEST TRUCK - Secondary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5
3. AXLE WEIGHTS (lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		10410	10030	Direct
B		12235	12135	Direct
C		12235	12135	Direct
D		15750	15690	Direct
E		15750	15690	Direct
F				

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 66380
- c. Post Test Loaded Weight: 65680
- d. Difference Post Test - Pre-Tests: 700

5. TRUCK DESCRIPTION

- a. Tractor Cab Style: _____ Sleeper Cab: _____
photo: ☒

- b. Make: _____
- c. Model: _____

d. Trailer Load Distribution Description:

stone

photo: ☒

- e. Tractor Tare weight - _____ - _____
- f. Trailer Tare weight - _____ - _____
- g. Axle Spacing - _____

A to B 14.1 B to C 4.3 C to D 23.8 D to E 4.3 E to F _____

- h. Wheelbase - ☐ Measured _____ ☒ Computed 46.4
- i. Kingpin offset from Axle B (units) _____ photo: ☐
- j. Overall Length - ☒ Measured 52.7

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>2</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
---	---

CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R 22.5	steel spring	☒
B	11R 22.5	air	☒
C	11R 22.5	air	☒
D	11R 22.5	air	☒
E	11R 22.5	air	☒
F			☐

d. Cold Tire Pressures (psi)- from right to left

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
115.7	93.4	121.4	62	107	
	104.1	118.6	112.4	103	
	97.6	121.5	113.2	97.3	
108.7	99.2	120	108.7	104.4	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I				
A+B	II				
A+B+C	III				
A+B+C+D	IV				
A+B+C+D+E(1)	V				
A+B+C+D+E+(F)(1)	VI				
B+C+D+E+(F)	VII				
C+D+E+(F)	VIII				
D+E+(F)	IX				
E+(F)	X				
(F)	XI				
A+B+C+D+E+(F)(2)	XII				

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
--	---

CALIBRATION TEST TRUCK - Secondary

Table 2 - Axle and GVW Computations -Platform Scale Pre-test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 3- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 4- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 5- Axle and GVW Computations - Platform Scale Post-Test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>2</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
---	---

CALIBRATION TEST TRUCK - Secondary

Table 6 - Raw Data -Axle Scales - Pre-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10400	12250	12250	15740	15740		66380
2	10420	12220	12220	15760	15760		66380
Avg.	10410	12235	12235	15750	15750		66380

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 9 - Raw Data -Axle Scales - Post-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10000	12160	12160	15690	15690		65700
2	10060	12110	12110	15690	15690		65660
Avg.	10030	12135	12135	15690	15690		65680

Validation Test Truck Run Set - Pre

Measured By: Kevin Trousdale

Verified By: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
--	--

CALIBRATION TEST TRUCK - Primary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5
3. AXLE WEIGHTS (lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		9550	0	Direct
B		16135	0	Direct
C		16135	0	Direct
D		16910	0	Direct
E		16910	0	Direct
F				

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 75640
- c. Post Test Loaded Weight: 0
- d. Difference Post Test - Pre-Tests: 75640

5. TRUCK DESCRIPTION

- a. Tractor Cab Style: Conventional Sleeper Cab: No
photo: ☒

- b. Make: _____
- c. Model: _____

d. Trailer Load Distribution Description:

stone

photo: ☒

- e. Tractor Tare weight - _____ - _____
- f. Trailer Tare weight - _____ - _____
- g. Axle Spacing - _____

A to B 15.0 B to C 4.3 C to D 29.3 D to E 4.4 E to F _____

- h. Wheelbase - ☐ Measured _____ ☒ Computed 53.0
- i. Kingpin offset from Axle B (units) _____ photo: ☐
- j. Overall Length - ☒ Measured 59.0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
---	--

CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11 R 22.5	steel spring	☒
B	11 R 22.5	air	☒
C	11 R 22.5	air	☒
D	285/75/R26.5	air	☒
E	275/80R26.5	air	☒
F			☐

d. Cold Tire Pressures (psi)- from right to left

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
87.8	113.2	98.6	96.5	98.3	
	95.4	99.7	100.2	102.2	
	96.2	102.1	98.0	97.3	
91	94.7	96.4	92.3	95.7	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I				
A+B	II				
A+B+C	III				
A+B+C+D	IV				
A+B+C+D+E(1)	V				
A+B+C+D+E+(F)(1)	VI				
B+C+D+E+(F)	VII				
C+D+E+(F)	VIII				
D+E+(F)	IX				
E+(F)	X				
(F)	XI				
A+B+C+D+E+(F)(2)	XII				

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
---	---

CALIBRATION TEST TRUCK - Primary

Table 2 - Axle and GVW Computations -Platform Scale Pre-test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 3- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 4- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 5- Axle and GVW Computations - Platform Scale Post-Test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
---	---

CALIBRATION TEST TRUCK - Primary

Table 6 - Raw Data -Axle Scales - Pre-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	9560	16130	16130	16910	16910		75640
2	9540	16140	16140	16910	16910		75640
Avg.	9550	16135	16135	16910	16910		75640

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 9 - Raw Data -Axle Scales - Post-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Validation Test Truck Run Set - Cal 1

Measured By: kevin Trousdale

Verified By: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 51
	SPS WIM ID: 510100
	DATE (mm/dd/yyyy) 3/2/2011

CALIBRATION TEST TRUCK - Secondary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5
3. AXLE WEIGHTS (lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		10350	0	Direct
B		12015	0	Direct
C		12015	0	Direct
D		15900	0	Direct
E		15900	0	Direct
F				

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 66180
- c. Post Test Loaded Weight: 0
- d. Difference Post Test - Pre-Tests: 66180

5. TRUCK DESCRIPTION

- a. Tractor Cab Style: _____ Sleeper Cab: _____
photo: ☒

- b. Make: _____
- c. Model: _____

d. Trailer Load Distribution Description:

stone

photo: ☒

- e. Tractor Tare weight - _____ - _____
- f. Trailer Tare weight - _____ - _____
- g. Axle Spacing - _____

A to B 14.1 B to C 4.3 C to D 23.8 D to E 4.3 E to F _____

- h. Wheelbase - ☐ Measured _____ ☒ Computed 46.4
- i. Kingpin offset from Axle B (units) _____ photo: ☐
- j. Overall Length - ☒ Measured 52.7

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>2</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
---	--

CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R 22.5	steel spring	☒
B	11R 22.5	air	☒
C	11R 22.5	air	☒
D	11R 22.5	air	☒
E	11R 22.5	air	☒
F			☐

d. Cold Tire Pressures (psi)- from right to left

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
115.7	93.4	121.4	62	107	
	104.1	118.6	112.4	103	
	97.6	121.5	113.2	97.3	
108.7	99.2	120	108.7	104.4	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I				
A+B	II				
A+B+C	III				
A+B+C+D	IV				
A+B+C+D+E(1)	V				
A+B+C+D+E+(F)(1)	VI				
B+C+D+E+(F)	VII				
C+D+E+(F)	VIII				
D+E+(F)	IX				
E+(F)	X				
(F)	XI				
A+B+C+D+E+(F)(2)	XII				

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
--	---

CALIBRATION TEST TRUCK - Secondary

Table 2 - Axle and GVW Computations -Platform Scale Pre-test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 3- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 4- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 5- Axle and GVW Computations - Platform Scale Post-Test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>2</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
---	---

CALIBRATION TEST TRUCK - Secondary

Table 6 - Raw Data -Axle Scales - Pre-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10360	11940	11940	15980	15980		66200
2	10340	12090	12090	15820	15820		66160
Avg.	10350	12015	12015	15900	15900		66180

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 9 - Raw Data -Axle Scales - Post-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Validation Test Truck Run Set - Cal 1

Measured By: Kevin Trousdale

Verified By: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 51
	SPS WIM ID: 510100
	DATE (mm/dd/yyyy) 3/2/2011

CALIBRATION TEST TRUCK - Primary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5
3. AXLE WEIGHTS (lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		9550	9260	Direct
B		16135	16030	Direct
C		16135	16030	Direct
D		16910	16890	Direct
E		16910	16890	Direct
F				

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 75640
- c. Post Test Loaded Weight: 75100
- d. Difference Post Test - Pre-Tests: 540

5. TRUCK DESCRIPTION

- a. Tractor Cab Style: Conventional Sleeper Cab: No
photo: ☒

- b. Make: _____
- c. Model: _____

d. Trailer Load Distribution Description:

stone

photo: ☒

- e. Tractor Tare weight - _____ - _____
- f. Trailer Tare weight - _____ - _____
- g. Axle Spacing - _____

A to B 15.0 B to C 4.3 C to D 29.3 D to E 4.4 E to F _____

- h. Wheelbase - ☐ Measured _____ ☒ Computed 53.0
- i. Kingpin offset from Axle B (units) _____ photo: ☐
- j. Overall Length - ☒ Measured 59.0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
---	--

CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11 R 22.5	steel spring	☒
B	11 R 22.5	air	☒
C	11 R 22.5	air	☒
D	285/75/R26.5	air	☒
E	275/80R26.5	air	☒
F			☐

d. Cold Tire Pressures (psi)- from right to left

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
87.8	113.2	98.6	96.5	98.3	
	95.4	99.7	100.2	102.2	
	96.2	102.1	98.0	97.3	
91	94.7	96.4	92.3	95.7	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I				
A+B	II				
A+B+C	III				
A+B+C+D	IV				
A+B+C+D+E(1)	V				
A+B+C+D+E+(F)(1)	VI				
B+C+D+E+(F)	VII				
C+D+E+(F)	VIII				
D+E+(F)	IX				
E+(F)	X				
(F)	XI				
A+B+C+D+E+(F)(2)	XII				

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
---	---

CALIBRATION TEST TRUCK - Primary

Table 2 - Axle and GVW Computations -Platform Scale Pre-test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 3- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 4- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 5- Axle and GVW Computations - Platform Scale Post-Test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
---	---

CALIBRATION TEST TRUCK - Primary

Table 6 - Raw Data -Axle Scales - Pre-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	9560	16130	16130	16910	16910		75640
2	9540	16140	16140	16910	16910		75640
Avg.	9550	16135	16135	16910	16910		75640

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 9 - Raw Data -Axle Scales - Post-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	9280	16010	16010	16900	16900		75100
2	9240	16050	16050	16880	16880		75100
Avg.	9260	16030	16030	16890	16890		75100

Validation Test Truck Run Set - Post

Measured By: kevin Trousdale

Verified By: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
--	--

CALIBRATION TEST TRUCK - Secondary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5
3. AXLE WEIGHTS (lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		10350	10020	Direct
B		12015	12155	Direct
C		12015	12155	Direct
D		15900	15645	Direct
E		15900	15645	Direct
F				

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 66180
- c. Post Test Loaded Weight: 65620
- d. Difference Post Test - Pre-Tests: 560

5. TRUCK DESCRIPTION

- a. Tractor Cab Style: _____ Sleeper Cab: _____
photo: ☒

- b. Make: _____
- c. Model: _____

d. Trailer Load Distribution Description:

stone

photo: ☒

- e. Tractor Tare weight - _____ - _____
- f. Trailer Tare weight - _____ - _____
- g. Axle Spacing - _____

A to B 14.1 B to C 4.3 C to D 23.8 D to E 4.3 E to F _____

- h. Wheelbase - ☐ Measured _____ ☒ Computed 46.4
- i. Kingpin offset from Axle B (units) _____ photo: ☐
- j. Overall Length - ☒ Measured 52.7

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>2</u>	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
---	---

CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R 22.5	steel spring	☒
B	11R 22.5	air	☒
C	11R 22.5	air	☒
D	11R 22.5	air	☒
E	11R 22.5	air	☒
F			☐

d. Cold Tire Pressures (psi)- from right to left

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
115.7	93.4	121.4	62	107	
	104.1	118.6	112.4	103	
	97.6	121.5	113.2	97.3	
108.7	99.2	120	108.7	104.4	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I				
A+B	II				
A+B+C	III				
A+B+C+D	IV				
A+B+C+D+E(1)	V				
A+B+C+D+E+(F)(1)	VI				
B+C+D+E+(F)	VII				
C+D+E+(F)	VIII				
D+E+(F)	IX				
E+(F)	X				
(F)	XI				
A+B+C+D+E+(F)(2)	XII				

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
--	---

CALIBRATION TEST TRUCK - Secondary

Table 2 - Axle and GVW Computations -Platform Scale Pre-test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 3- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 4- Axle and GVW Computations - Platform Scale - Instance -

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Table 5- Axle and GVW Computations - Platform Scale Post-Test

	1		2		Avg.
Axle A	I	0	VI-VII	0	0
Axle B	II-I	0	VII-VIII	0	0
Axle C	III-II	0	VIII-IX	0	0
Axle D	IV-III	0	IX-X	0	0
Axle E	V-IV	0	X-XI	0	0
Axle F	VI-V		XI		
GVW	VI	0	XII	0	0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/2/2011
--	---

CALIBRATION TEST TRUCK - Secondary

Table 6 - Raw Data -Axle Scales - Pre-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10360	11940	11940	15980	15980		66200
2	10340	12090	12090	15820	15820		66160
Avg.	10350	12015	12015	15900	15900		66180

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
Avg.							

Table 9 - Raw Data -Axle Scales - Post-test

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	9920	12230	12230	15620	15620		65620
2	10120	12080	12080	15670	15670		65620
Avg.	10020	12155	12155	15645	15645		65620

Validation Test Truck Run Set - Post

Measured By: Kevin Trousdale

Verified By: _____

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 51 SPS WIM ID: 510100 DATE: (mm/dd/yyyy): 3/1/2011									
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Pvmt Temp	Radar speed	Truck	Pass	Time	Record No.	WIM Speed	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW	A-B space	B-C space	C-D space	D - E space	E - F space	Axle Length	Overall Length
41.2	46	1	1	9:04:09	668	45.0	9.1	16.3	15.8	16.7	16.4		74.4	15.0	4.4	29.0	4.3		52.7	59.0
41.2	47	2	1	9:04:14	670	47.0	10.5	12.2	12.7	16.4	15.5		67.3	14.1	4.2	23.6	4.4		46.3	53.0
44.1	56	1	2	9:17:58	730	55.0	10.0	16.5	15.9	16.8	17.1		76.2	15.0	4.4	29.1	4.3		52.8	59.0
44.1	57	2	2	9:18:00	732	57.0	11.0	12.7	12.6	16.6	16.0		68.9	14.1	4.2	23.6	4.4		46.3	53.0
45.0	65	1	3	9:35:13	817	64.0	9.9	16.5	15.7	17.4	17.3		76.7	15.0	4.4	29.2	4.3		52.9	59.0
45.0	65	2	3	9:35:21	818	65.0	10.6	12.6	13.1	16.1	16.2		68.4	14.2	4.2	23.7	4.4		46.5	53.0
53.7	47	1	4	10:35:37	1060	46.0	9.3	17.2	16.6	17.4	17.1		77.5	15.0	4.4	29.1	4.3		52.8	59.0
53.7	49	2	4	10:35:45	1062	48.0	10.1	12.8	13.0	16.5	15.7		68.0	14.1	4.2	23.6	4.3		46.2	53.0
53.0	58	1	5	10:49:24	1127	57.0	9.2	16.9	16.0	17.7	17.3		77.0	15.0	4.4	29.1	4.3		52.8	60.0
53.0	56	2	5	10:49:29	1128	55.0	10.7	12.9	12.9	16.4	15.8		68.7	14.2	4.2	23.6	4.4		46.4	54.0
66.5	65	1	6	12:35:56	58	64.0	9.6	16.4	15.6	16.9	16.9		75.4	15.0	4.4	28.9	4.3		52.6	58.0
66.5	68	2	6	12:36:01	59	68.0	10.3	13.2	13.5	16.4	15.9		70.0	14.2	4.3	23.8	4.4		46.7	54.0
68.1	56	1	7	12:49:03	109	55.0	9.4	17.1	16.6	16.9	17.3		77.4	14.9	4.4	29.0	4.3		52.6	59.0
68.1	54	2	7	12:49:18	110	54.0	11.1	13.1	12.8	16.9	16.3		70.2	14.1	4.2	23.5	4.4		46.2	53.0
68.0	46	1	8	13:02:53	176	46.0	9.8	17.2	16.3	17.5	17.2		78.0	15.0	4.4	29.0	4.3		52.7	58.0
68.0	49	2	8	13:02:57	177	48.0	10.1	13.3	13.2	17.1	15.8		69.5	14.1	4.2	23.6	4.4		46.3	54.0
67.3	47	1	9	13:17:11	229	47.0	9.7	17.0	16.2	17.4	17.6		77.9	15.0	4.4	29.1	4.3		52.8	59.0
67.3	44	2	9	13:17:15	230	44.0	10.6	12.6	12.7	16.4	15.9		68.2	14.1	4.2	23.5	4.4		46.2	53.0
68.1	56	1	10	13:53:23	419	55.0	9.7	17.2	16.7	17.3	17.5		78.3	15.0	4.4	29.1	4.3		52.8	59.0
68.1	58	2	10	13:53:37	425	58.0	10.1	12.8	13.0	16.1	16.0		67.9	14.2	4.2	23.6	4.4		46.4	53.0
69.2	56	1	11	14:07:10	507	55.0	10.4	17.1	16.5	17.4	17.4		78.7	15.0	4.4	29.0	4.4		52.8	59.0
69.2	46	2	11	14:07:20	511	46.0	10.8	12.9	12.6	16.7	16.0		68.9	14.1	4.2	23.5	4.3		46.1	53.0
67.9	64	1	12	14:20:44	572	63.0	9.6	16.7	16.0	17.1	17.1		76.6	15.0	4.4	29.1	4.4		52.9	58.0
67.9	67	2	12	14:20:48	573	66.0	10.0	13.5	13.8	16.9	16.5		70.7	14.1	4.2	23.7	4.4		46.4	53.0

Recorded By: _____ ar _____	Verified By: _____ dw _____	Run Set _____ Pre _____
-----------------------------	-----------------------------	-------------------------

Traffic Sheet 21 (Wheel Load) LTTP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS							STATE CODE: 51 SPS WIM ID: 510100 DATE: (mm/dd/yyyy): 3/1/2011												
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Pvmt Temp	Radar speed	Truck	Pass	Time	Record No.	WIM Speed	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW	A-B space	B-C space	C-D space	D - E space	E - F space	Axle Length	Overall Length
69.6	45	1	13	14:34:40	642	46.0	9.7	17.1	16.6	17.6	17.3		78.4	15.0	4.4	29.1	4.3		52.8	59.0
69.6	54	2	13	14:34:43	646	54.0	10.9	12.6	12.9	16.4	15.7		68.4	14.2	4.2	23.7	4.4		46.5	53.0
68.2	56	1	14	14:48:03	708	56.0	9.5	17.0	16.5	17.5	17.2		77.7	15.0	4.4	29.1	4.3		52.8	59.0
68.2	46	2	14	14:48:25	712	46.0	10.0	12.7	12.6	16.3	15.6		67.3	14.1	4.2	23.6	4.4		46.3	53.0
69.1	63	1	15	15:20:51	843	62.0	9.6	16.6	16.3	16.4	17.0		76.0	15.0	4.4	29.1	4.3		52.8	59.0
69.1	66	2	15	15:20:53	844	65.0	10.1	13.1	13.5	15.8	16.5		69.0	14.1	4.2	23.7	4.4		46.4	54.0
65.7	56	1	16	15:34:03	921	55.0	9.8	17.1	16.3	17.7	17.0		78.0	15.0	4.4	29.1	4.3		52.8	59.0
65.7	57	2	16	15:34:10	922	56.0	10.6	12.8	12.6	16.1	16.1		68.1	14.2	4.2	23.6	4.4		46.4	53.0
63.6	46	1	17	15:47:36	998	46.0	9.6	17.0	16.1	17.4	17.1		77.2	15.0	4.4	29.0	4.3		52.7	59.0
63.6	49	2	17	15:47:39	1000	48.0	9.5	12.8	12.8	16.8	16.0		67.9	14.1	4.2	23.6	4.4		46.3	53.0
60.2	65	1	18	16:00:53	1073	64.0	8.9	16.7	16.2	16.8	17.7		76.1	15.0	4.4	29.2	4.3		52.9	59.0
60.2	65	2	18	16:01:01	1075	64.0	10.4	13.3	13.5	16.6	16.0		69.7	14.2	4.2	23.7	4.4		46.5	53.0
54.9	58	1	19	16:15:11	1153	57.0	9.6	17.0	16.3	17.0	17.2		77.0	15.0	4.4	29.1	4.3		52.8	59.0
54.9	58	2	19	16:15:17	1156	57.0	10.2	12.5	12.7	16.0	16.2		67.5	14.1	4.2	23.6	4.4		46.3	53.0
54.8	58	1	20	16:29:00	1229	57.0	9.5	16.9	16.2	17.7	17.1		77.6	15.0	4.4	29.0	4.3		52.7	58.0
54.8	59	2	20	16:29:01	1230	59.0	9.7	12.8	12.7	16.1	15.7		66.9	14.1	4.2	23.6	4.4		46.3	53.0

Recorded By: _____ ar _____	Verified By: _____ dw _____	Run Set _____ Pre _____
-----------------------------	-----------------------------	-------------------------

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 51 SPS WIM ID: 510100 DATE: (mm/dd/yyyy): 3/2/2011									
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Pvmt Temp	Radar speed	Truck	Pass	Time	Record No.	WIM Speed	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW	A-B space	B-C space	C-D space	D - E space	E - F space	Axle Length	Overall Length
26.8	47	1	1	7:53:41	3488	47.0	9.0	16.1	15.3	16.9	16.1		73.4	15.0	4.4	29.1	4.3		52.8	59.0
26.8	48	2	1	7:53:43	3490	47.0	10.2	11.9	11.9	15.3	14.9		64.1	14.2	4.2	23.7	4.4		46.5	53.0
30.4	55	1	2	8:07:51	3605	55.0	8.8	16.0	15.5	16.4	16.1		72.9	15.1	4.4	29.3	4.4		53.2	59.0
30.4	57	2	2	8:07:53	3607	55.0	9.9	12.0	12.3	15.0	14.9		64.1	14.3	4.3	23.8	4.4		46.8	54.0
32.0	65	1	3	8:21:26	3687	64.0	8.9	15.8	15.3	16.0	16.4		72.5	15.0	4.4	29.2	4.3		52.9	59.0
32.0	66	2	3	8:21:30	3688	65.0	9.7	12.2	12.9	15.4	14.8		65.1	14.2	4.2	23.7	4.4		46.5	53.0
33.5	47	1	4	8:35:26	3769	47.0	8.8	16.1	15.5	16.4	16.0		72.9	15.0	4.4	29.3	4.4		53.1	59.0
33.5	48	2	4	8:35:21	3770	45.0	10.2	12.2	11.9	15.3	14.9		64.4	14.2	4.2	23.7	4.4		46.5	53.0
36.6	65	1	5	8:49:33	3855	65.0	8.9	16.0	15.6	16.2	16.4		73.0	15.0	4.4	29.3	4.4		53.1	59.0
36.6	56	2	5	8:49:38	3856	56.0	10.3	11.9	12.0	15.4	15.0		64.7	14.2	4.2	23.7	4.4		46.5	53.0
39.5	57	1	6	9:03:18	3950	57.0	9.1	15.9	15.5	16.2	16.4		73.0	15.1	4.4	29.3	4.4		53.2	59.0
39.5	56	2	6	9:03:19	3951	55.0	10.1	12.1	12.3	15.3	15.2		65.0	14.2	4.2	23.7	4.4		46.5	53.0
48.4	47	1	7	9:35:22	4130	47.0	8.9	16.1	15.5	16.5	16.4		73.2	15.0	4.4	29.1	4.3		52.8	59.0
48.4	48	2	7	9:35:25	4131	47.0	9.9	12.0	12.1	15.8	15.2		65.1	14.2	4.2	23.7	4.4		46.5	53.0
47.2	58	1	8	9:49:20	4197	57.0	9.3	16.0	15.7	16.1	16.5		73.6	15.0	4.4	29.1	4.3		52.8	58.0
47.2	57	2	8	9:49:24	4198	56.0	10.1	12.3	12.4	15.6	15.2		65.5	14.2	4.2	23.7	4.4		46.5	54.0
47.9	65	1	9	10:02:45	4253	64.0	9.2	16.2	15.7	16.7	16.9		74.8	15.1	4.4	29.3	4.3		53.1	59.0
47.9	68	2	9	10:02:48	4255	67.0	9.8	12.1	13.0	15.4	15.7		66.0	14.2	4.2	23.8	4.4		46.6	54.0

Recorded By: _____ ar _____	Verified By: _____ dw _____	Run Set _____ Cal 1 _____
-----------------------------	-----------------------------	---------------------------

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 51 SPS WIM ID: 510100 DATE: (mm/dd/yyyy): 3/2/2011									
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Pvmt Temp	Radar speed	Truck	Pass	Time	Record No.	WIM Speed	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW	A-B space	B-C space	C-D space	D - E space	E - F space	Axle Length	Overall Length
26.8	47	1	1	7:53:41	3488	47.0	9.0	16.1	15.3	16.9	16.1		73.4	15.0	4.4	29.1	4.3		52.8	59.0
26.8	48	2	1	7:53:43	3490	47.0	10.2	11.9	11.9	15.3	14.9		64.1	14.2	4.2	23.7	4.4		46.5	53.0
30.4	55	1	2	8:07:51	3605	55.0	8.8	16.0	15.5	16.4	16.1		72.9	15.1	4.4	29.3	4.4		53.2	59.0
30.4	57	2	2	8:07:53	3607	55.0	9.9	12.0	12.3	15.0	14.9		64.1	14.3	4.3	23.8	4.4		46.8	54.0
32.0	65	1	3	8:21:26	3687	64.0	8.9	15.8	15.3	16.0	16.4		72.5	15.0	4.4	29.2	4.3		52.9	59.0
32.0	66	2	3	8:21:30	3688	65.0	9.7	12.2	12.9	15.4	14.8		65.1	14.2	4.2	23.7	4.4		46.5	53.0
33.5	47	1	4	8:35:26	3769	47.0	8.8	16.1	15.5	16.4	16.0		72.9	15.0	4.4	29.3	4.4		53.1	59.0
33.5	48	2	4	8:35:21	3770	45.0	10.2	12.2	11.9	15.3	14.9		64.4	14.2	4.2	23.7	4.4		46.5	53.0
36.6	65	1	5	8:49:33	3855	65.0	8.9	16.0	15.6	16.2	16.4		73.0	15.0	4.4	29.3	4.4		53.1	59.0
36.6	56	2	5	8:49:38	3856	56.0	10.3	11.9	12.0	15.4	15.0		64.7	14.2	4.2	23.7	4.4		46.5	53.0
39.5	57	1	6	9:03:18	3950	57.0	9.1	15.9	15.5	16.2	16.4		73.0	15.1	4.4	29.3	4.4		53.2	59.0
39.5	56	2	6	9:03:19	3951	55.0	10.1	12.1	12.3	15.3	15.2		65.0	14.2	4.2	23.7	4.4		46.5	53.0
48.4	47	1	7	9:35:22	4130	47.0	8.9	16.1	15.5	16.5	16.4		73.2	15.0	4.4	29.1	4.3		52.8	59.0
48.4	48	2	7	9:35:25	4131	47.0	9.9	12.0	12.1	15.8	15.2		65.1	14.2	4.2	23.7	4.4		46.5	53.0
47.2	58	1	8	9:49:20	4197	57.0	9.3	16.0	15.7	16.1	16.5		73.6	15.0	4.4	29.1	4.3		52.8	58.0
47.2	57	2	8	9:49:24	4198	56.0	10.1	12.3	12.4	15.6	15.2		65.5	14.2	4.2	23.7	4.4		46.5	54.0
47.9	65	1	9	10:02:45	4253	64.0	9.2	16.2	15.7	16.7	16.9		74.8	15.1	4.4	29.3	4.3		53.1	59.0
47.9	68	2	9	10:02:48	4255	67.0	9.8	12.1	13.0	15.4	15.7		66.0	14.2	4.2	23.8	4.4		46.6	54.0
51.9	46	1	10	10:16:19	4316	47.0	9.7	16.5	15.6	17.3	16.9		76.0	15.1	4.4	29.2	4.3		53.0	59.0
51.9	46	2	10	10:16:23	4318	47.0	10.4	12.2	12.4	16.1	15.2		66.3	14.2	4.2	23.6	4.4		46.4	53.0
52.6	58	1	11	10:30:09	4397	57.0	9.3	16.2	15.4	16.6	16.9		74.3	15.0	4.4	29.2	4.3		52.9	59.0
52.6	56	2	11	10:30:11	4398	55.0	10.0	12.2	12.4	15.6	15.0		65.1	14.2	4.2	23.6	4.4		46.4	53.0
55.4	65	1	12	10:43:30	4471	64.0	8.9	15.9	15.5	16.9	16.9		74.2	15.1	4.4	29.3	4.4		53.2	59.0
55.4	66	2	12	10:43:36	4472	66.0	10.1	12.8	13.1	15.4	15.6		67.0	14.2	4.2	23.7	4.4		46.5	54.0

Recorded By: _____ ar _____	Verified By: _____ dw _____	Run Set _____ Post _____
-----------------------------	-----------------------------	--------------------------

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 51 SPS WIM ID: 510100 DATE: (mm/dd/yyyy): 3/2/2011									
---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Pvmt Temp	Radar speed	Truck	Pass	Time	Record No.	WIM Speed	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW	A-B space	B-C space	C-D space	D - E space	E - F space	Axle Length	Overall Length
58.0	48	1	13	10:57:14	4531	48.0	9.6	16.7	15.8	17.1	16.7		75.9	15.0	4.4	29.1	4.3		52.8	58.0
58.0	48	2	13	10:57:20	4534	47.0	10.2	12.4	12.6	16.3	15.7		67.3	14.2	4.2	23.7	4.4		46.5	53.0
59.9	58	1	14	11:10:44	4581	57.0	9.1	16.2	15.3	16.6	16.6		73.8	15.1	4.4	29.2	4.3		53.0	58.0
59.9	56	2	14	11:10:47	4582	57.0	10.3	12.6	12.5	15.4	15.6		66.3	14.2	4.2	23.7	4.4		46.5	53.0
61.6	65	1	15	11:24:24	4640	64.0	9.0	16.3	15.8	16.3	17.0		74.8	15.0	4.4	29.2	4.3		52.9	58.0
61.6	66	2	15	11:24:29	4641	66.0	10.2	12.8	12.9	15.5	15.9		67.3	14.2	4.2	23.7	4.4		46.5	53.0
67.0	46	1	16	11:57:50	4782	48.0	9.0	16.4	15.9	17.2	17.0		75.5	15.1	4.4	29.3	4.4		53.2	59.0
67.0	48	2	16	11:57:53	4783	47.0	10.3	12.5	12.2	16.4	15.5		66.9	14.2	4.2	23.6	4.4		46.4	53.0
67.4	58	1	17	12:11:59	4851	57.0	9.5	16.1	15.5	17.0	16.9		75.2	15.0	4.4	29.2	4.3		52.9	59.0
67.4	60	2	17	12:12:09	4853	59.0	10.1	12.6	12.6	15.9	15.7		66.8	14.2	4.2	23.7	4.4		46.5	53.0
68.9	66	1	18	12:25:27	4931	66.0	8.9	16.2	16.3	16.8	17.2		75.3	15.0	4.4	29.3	4.4		53.1	58.0
68.9	65	2	18	12:25:30	4932	65.0	9.9	12.4	13.1	15.6	16.3		67.3	14.2	4.2	23.7	4.4		46.5	53.0
70.4	63	1	19	12:39:38	4997	63.0	9.3	16.3	15.7	17.2	16.7		75.2	15.0	4.4	29.1	4.3		52.8	59.0
70.4	49	2	19	12:39:45	4998	48.0	10.1	12.6	12.7	16.2	15.3		66.8	14.2	4.2	23.7	4.4		46.5	53.0
70.0	66	1	20	13:06:55	5115	66.0	9.3	16.2	16.3	16.7	16.9		75.4	15.0	4.4	29.2	4.4		53.0	59.0
70.0	67	2	20	13:06:59	5116	66.0	10.0	12.6	13.2	16.0	16.2		68.0	14.2	4.3	23.7	4.4		46.6	53.0

Recorded By: _____ ar _____	Verified By: _____ dw _____	Run Set _____ Post _____
-----------------------------	-----------------------------	--------------------------

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 51 SPS WIM ID: 510100 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 3/1/2011
--	---

SITE EQUIPMENT INFORMATION

1. TYPE OF EQUIPMENT BOTH

2. LANE NUMBER ON SITE 1 3. DIRECTION ON SITE south

4. VENDOR IRD MODEL iSINC SERIAL#

5. WEIGHING SENSOR TYPE bending plate

6. SYSTEM SOFTWARE VERSIONS:

CPU

LOOP

PIEZO

WEIGHTPAD/ LOADCELL

COMMUNICATIONS

7. CLASSIFICATION VIDEO:

TIME FROM: TO:
TIME FROM: TO:

SITE CONDITIONS

8. PAVEMENT:

Indicate any deficiencies that may affect the performance of the WIM system. List all photos on Sheet 24 that support the evaluation.

There were no pavement distresses noted that may affect the accuracies of the WIM system.

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 51 SPS WIM ID: 510100 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 3/1/2011
--	--

9. IN ROAD SENSORS:

Describe any deficiencies regarding the sensor installation. Indicate sensors that show any signs of being broken, severely worn, missing, removed, or loose. List photos on Sheet 24 for

the equipment is operating within the manufacturer's tolerances.

TRUCK OBSERVATIONS

- 10.** Indicate any irregular truck behaviors such as bouncing, swerving, or braking near the weighing area (within 40 meters). Note the distance from the weighing sensors.

A visual observation of the trucks as they approach, traverse, and leave the sensor area indicated some bouncing in LTPP lane as they approach the WIM scales. The trucks do appear to stop bouncing prior to crossing over the WIM scale sensors. Trucks appear to track down the center of the lane.

Minimum 15 minute or 35 truck sample video sample for pavement interaction deficiencies:

Tape Filename: _____

Time: _____

From: _____

To: _____

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 51 SPS WIM ID: 510100 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 3/1/2011
---	--

11. CLASSIFICATION VERIFICATION VIDEO:

TAPE 1- NAME: _____

Interval	Filename	From	To
1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____
5	_____	_____	_____
6	_____	_____	_____
7	_____	_____	_____
8	_____	_____	_____

TAPE 2- NAME: _____

Interval	Filename	From	To
1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____
5	_____	_____	_____
6	_____	_____	_____
7	_____	_____	_____
8	_____	_____	_____

TAPE 3- NAME: _____

Interval	Filename	From	To
1	_____	_____	_____
2	_____	_____	_____
3	_____	_____	_____
4	_____	_____	_____
5	_____	_____	_____
6	_____	_____	_____
7	_____	_____	_____
8	_____	_____	_____

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 51 SPS WIM ID: 510100 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 3/1/2011
--	---

SYSTEM ACCURACY TESTS

12. CONDUCT THE FOLLOWING SYSTEM ACCURACY TESTS EITHER ON- SITE OR IN OFFICE

Speed Accuracy - Complete Sheet 20 and attach.

Average radar speed	<u>64.5</u> mph	Average WIM Speed	<u>64.0</u> mph
Mean Difference	<u>-0.5</u> mph	SD of mean	<u>1.2</u>

Posted Speed Limit	<u>65</u> mph		
Speed Range	15th percentile - <u>60</u> mph	85th percentile-	<u>68</u> mph

Spacing and Weight - Complete Sheet 21 and attach.

Average distance between axles of drive tandem		<u> </u> feet	
% error from 4.25 ft (industry average)	OR	<u>4.30</u>	ft (WIM system average)
= <u>1.2</u> %			

Average front axle weight for Class 9 vehicles		<u> </u> lbs	
% error from 10.3 kips (industry average) OR		<u>10.0</u>	lbs (known site value)
= <u>-3.1</u> %			

SUPPORT EQUIPMENT STRUCTURES

17. Indicate any deficiencies with any site equipment other than the in-road sensors. List all photos on the Sheet 24 for each occurrence.

Cabinet/Foundation None ☒

no cabinet or foundation deficiencies

Pull Boxes None ☒

no pull box deficiencies

Mast None ☒

no service mast deficiencies

Solar Panels None ☒

no solar panel deficiencies

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 51 SPS WIM ID: 510100 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 3/1/2011
--	---

Telephone D-Mark Box None ☒

no telephone d-mark box deficiencies

Power Service Box None ☒

no power service box deficiencies

Grounding None ☒

no grounding deficiencies

Conduit None ☒

no conduit deficiencies

STATIC AND DYNAMIC ELECTRONIC EQUIPMENT TESTS

18. Complete and attach a Sheet 22 addendum applicable to the installed road equipment.

ADDITIONAL COMMENTS

All values for the WIM sensors and inductive loops were within tolerances. Electronic tests of the power and communication devices indicated that they were operating normally.

Assessor Kevin Trousdale

Traffic Sheet 22 Addendum - Weighpad LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE:	51
	SPS WIM ID:	510100
	STATE ASSIGNED ID	0
	DATE (mm/dd/yyyy)	3/1/2011

STATIC EQUIPMENT VALUES (SYSTEM OFF)

1. POWER

a. Solar Panel		WATTS		VDC
b. Equipment Power	124.2	VAC	11.8	VDC
c. Battery 1	15.39	VDC		
d. Battery 2		VDC		
e. Regulated		VDC		
f. Power Supply	11.78	VDC		VDC
g. System Input	11.8	VAC		VDC
h. Modem Power		VAC		VDC
i. Telephone	51	VDC		

2. LOOP SENSORS

	Resistance	Inductance	Shield
a. Leading	0.6 Ω	137.1 μ h	inf M Ω
b. Trailing	0.5 Ω	137.3 μ h	inf M Ω

3. WEIGHPAD SENSORS

	Input	Output	Shield
a. Leading	.983k Ω	.846k Ω	inf Ω
b. Trailing	0.983 Ω	0.847 Ω	inf Ω

DYNAMIC EQUIPMENT VALUES (SYSTEM ON)

4. LOOP SENSORS

	Frequency
a. Leading	72.83 KHz
b. Trailing	110.8 KHz

5. WEIGHPAD SENSORS

	Zero Point
a. Leading	0.1 mV
b. Trailing	0.1 mV

Assessor Kevin Trousdale

Traffic Sheet 24A LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Equipment	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
---	---

Item	Description	Filename
1	Power Source	510100_power_service_box_3_1_11.jpg
2	Telephone Source	510100_telephone_pedestal_3_1_11.jpg
3	Cabinet Exterior	510100_cabinet_exterior_3_1_11.jpg
4	Cabinet Interior	510100_cabinet_interior_front_3_1_11.jpg
5	Leading weight sensor	510100_leading_WIM_sensor_3_1_11.jpg
6	Trailing weight sensor	510100_trailing_WIM_sensor_3_1_11.jpg
7	Leading classification sensor	
8	Trailing classification sensor	
9	Leading loop sensor	510100_leading_loop_sensor_3_1_11.jpg
10	Trailing loop sensor	510100_trailing_loop_sensor_3_1_11.jpg
11	Downstream from site	510100_downstream_3_1_11.jpg
12	Upstream from site	510100_upstream_3_1_11.jpg
13	Cabinet Interior - Rear	510100_cabinet_interior_rear_3_1_11.jpg
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

RECORDED BY: _____ Dean J. Wolf

Traffic Sheet 24B LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Test Trucks	STATE CODE: 51 SPS WIM ID: 510100 DATE (mm/dd/yyyy) 3/1/2011
---	--

Item	Description	Filename
1	Tractor, Truck #1	510100_Truck_1_Tractor_3_1_11.jpg
2	Trailer/Load, Truck #1	510100_Truck_1_Trailer_3_1_11.jpg
3	Kingpin Offset, Truck #1	
4	Suspension A, Truck #1	510100_Truck_1_Suspension_1_3_1_11.jpg
5	Suspension B, Truck #1	510100_Truck_1_Suspension_2_3_1_11.jpg
6	Suspension C, Truck #1	510100_Truck_1_Suspension_3_3_1_11.jpg
7	Suspension D, Truck #1	510100_Truck_1_Suspension_4_3_1_11.jpg
8	Suspension E, Truck #1	510100_Truck_1_Suspension_5_3_1_11.jpg
9	Suspension F, Truck #1	
10	Tractor, Truck #2	510100_Truck_2_Tractor_3_1_11.jpg
11	Trailer/Load, Truck #2	510100_Truck_2_Trailer_3_1_11.jpg
12	Kingpin Offset, Truck #2	
13	Suspension A, Truck #2	510100_Truck_2_Suspension_1_3_1_11.jpg
14	Suspension B, Truck #2	510100_Truck_2_Suspension_2_3_1_11.jpg
15	Suspension C, Truck #2	510100_Truck_2_Suspension_3_3_1_11.jpg
16	Suspension D, Truck #2	510100_Truck_2_Suspension_4_3_1_11.jpg
17	Suspension E, Truck #2	510100_Truck_2_Suspension_5_3_1_11.jpg
18	Suspension F, Truck #2	
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

RECORDED BY: _____ Dean J Wolf