

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE:	06
	SPS WIM ID:	060200
	DATE (mm/dd/yyyy)	11/30/2011

SITE CALIBRATION INFORMATION

1. DATE OF CALIBRATION {mm/dd/yy} 11/30/11
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: 21

	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>0.3%</u>	Standard Deviation:	<u>1.5%</u>
Dynamic and Static Single Axle:	<u>0.3%</u>	Standard Deviation:	<u>3.0%</u>
Dynamic and Static Double Axles:	<u>0.1%</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>49.0</u>	to	<u>52.7</u>	<u>17</u>
b. <u>Medium</u>	<u>52.8</u>	to	<u>56.4</u>	<u>16</u>
c. <u>High</u>	<u>56.5</u>	to	<u>60.0</u>	<u>9</u>
d. _____	_____	to	_____	_____
e. _____	_____	to	_____	_____

ENTERED

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE:	06
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10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED)

3273 | 3273

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>14.0</u>
FHWA Class 8:	<u>38.0</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:

Kevin Trousdale

Contact Information:

Phone: 717-975-3550

E-mail: ktrousdale@ara.com

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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>1.4%</u>	Standard Deviation:	<u>1.6%</u>
Dynamic and Static Single Axle:	<u>1.0%</u>	Standard Deviation:	<u>3.1%</u>
Dynamic and Static Double Axles:	<u>1.5%</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>Low</u>	-	<u>49.0</u>	to <u>53.7</u> <u>51.35</u> <u>14</u>
b.	<u>Medium</u>	-	<u>53.8</u>	to <u>58.4</u> <u>56.1</u> <u>16</u>
c.	<u>High</u>	-	<u>58.5</u>	to <u>63.0</u> <u>60.76</u> <u>10</u>
d.	<u></u>	-	<u></u>	to <u></u> <u></u> <u></u>
e.	<u></u>	-	<u></u>	to <u></u> <u></u> <u></u>

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE:	06
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10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED)

3333 | 3333

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>2.0</u>	FHWA Class	<u>5</u>	-	<u>15.0</u>
FHWA Class 8:	<u>50.0</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 - Cal 1

Person Leading Calibration Effort:

Kevin Trousdale

Contact Information:

Phone: 717-975-3550

E-mail: ktrousdale@ara.com

ENTERED

Traffic Sheet 17 LTPP MONITORED TRAFFIC DATA WIM SITE INVENTORY	STATE CODE:	06
	SPS WIM ID:	060200
	DATE (mm/dd/yyyy)	11/29/2011

1. ROUTE: SR-99 MILEPOST: 32.5 LTPP DIRECTION: north

2. WIM SITE DESCRIPTION

Grade: 1 to 2% Sag Vertical: N
 Nearest Upstream SPS Section:
 Distance from sensors to SPS Section: feet

3. LANE CONFIGURATION

Lanes in LTPP direction: 2 Median: 3 - grass
 Lane width: Shoulder: 3 - paved PCC
 Shoulder width:

4. PAVEMENT TYPE PCC

5. PAVEMENT SURFACE CONDITION - Distress Survey

Date: 11/29/11 Photo Filename: 060200_upstream_11_29_11.jpg
 Date: 11/29/11 Photo Filename: 060200_downstream_11_29_11.jpg
 Date: Photo Filename:

6. SENSOR SEQUENCE

Loop - 2 Bending Plate - Loop

7. REPLACEMENT AND/OR GRINDING

Date:
 Date:
 Date:

8. RAMPS OR INTERSECTIONS

Intersection within 300' upstream of site:
 Intersection within 300' downstream of site:
 Is shoulder routinely used for turning?

9. DRAINAGE

Drainage (bending plate and load cell): 1 - Open to Ground
 Clearance under plate (in.): 6"
 Clearance /access to flush fines from under system: N

Traffic Sheet 17 LTPP MONITORED TRAFFIC DATA WIM SITE INVENTORY	STATE CODE:	06
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10. CABINET LOCATION

Same side of road as LTPP lane: Y
 Distance from edge of traveled lane: 30 ft
 distance from system: 36 ft
 type: M

Cabinet access controlled by: Agency and LTPP
 Contact name: _____ Phone # _____
 Alternate name: _____ Phone # _____

11. POWER

Distance to cabinet from drop: 0 ft
 Type: Solar
 AC in cabinet? N
 Service provider: _____ Phone # _____

12. TELEPHONE

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

13. SYSTEM

Software and version no. _____
 Computer connection: _____

14. TEST TRUCK TURNAROUND TIME

Duration: 11 minutes Distance: _____ miles

15. PHOTOS

	Filename
Power source:	<u>060200_solar_panel_11_29_11.jpg</u>
Phone source:	<u>060200_cellular_phone_11_29_11.jpg</u>
Cabinet exterior:	<u>060200_cabinet_exterior_11_29_11.jpg</u>
Cabinet interior:	<u>060200_cabinet_interior_front_11_29_11.jpg</u>
Weight sensors:	<u>060200_leading_bending_plate_11_29_11.jpg</u>
	<u>060200_trailing_bending_plate_11_29_11.jpg</u>
Other sensors:	<u>060200_leading_loop_11_29_11.jpg</u>
	<u>060200_trailing_loop_11_29_11.jpg</u>
Downstream from sensors on LTPP lane:	<u>060200_downstream_11_29_11.jpg</u>
Upstream from sensors on LTPP lane:	<u>060200_upstream_11_29_11.jpg</u>

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011
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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 LTPP contract
- c. Maintenance Separate contract LTPP
Expiration Date _____
- d. Calibration LTPP
- e. Manuals and software control: LTPP
- f. Power
i. Type Solar ii. Payment N/A
- g. Communication
i. Type Cellular ii. Payment State

3. PAVEMENT

- a. Type Portland Concrete Cement
- b. Allowable Rehabilitation activities Grinding and maintenance as needed
- c. Profile Site Markings Temporary

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011
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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 # 306-270-9492
Agency IRD
- b. Maintenance (equipment)
Name Roy Czinku Phone # 306-270-9492
Agency IRD
- c. Data Processing and pre-visit data
Name Kevin Senn Phone # 775-329-4955
Agency Nichols
- d. Construction schedule and verification
Name _____ Phone # _____
Agency _____
- e. Test Vehicles (trucks, loads, drivers)
Name Russ Prouty Phone # 800-323-1541
Agency E. Prouty & Sons, Inc.
- f. Traffic control
Name _____ Phone # _____
Agency _____
- g. Enforcement coordination
Name _____ Phone # _____
Agency _____
- h. Nearest static scale
Name Bondanger Trucks Location: Taylor Rd.
Phone: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011
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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		12230	12120	Direct
B		16635	16560	Direct
C		16635	16560	Direct
D		15635	15640	Direct
E		15635	15640	Direct
F				

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 76770
c. Post Test Loaded Weight: 76520
d. Difference Post Test - Pre-Tests: 250

5. TRUCK DESCRIPTION

a. Tractor Cab Style: Conventional Sleeper Cab: Yes
photo: ☒

b. Make: PETERBUILT
c. Model: EXTHD

d. Trailer Load Distribution Description:

lumber, Plywood

photo: ☒

e. Tractor Tare weight - _____ - _____
f. Trailer Tare weight - _____ - _____
g. Axle Spacing - (feet and tenths)

A to B 14.3 B to C 4.3 C to D 32.0 D to E 4.0 E to F _____

h. Wheelbase - ☐ Measured _____ ☒ Computed 54.6
i. Kingpin offset from Axle B (units) 1.16 photo: ☐
j. Overall Length - ☒ Measured 59.3

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011
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CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A		steel spring	<input checked="" type="checkbox"/>
B		air	<input checked="" type="checkbox"/>
C		air	<input checked="" type="checkbox"/>
D		air	<input checked="" type="checkbox"/>
E		air	<input checked="" type="checkbox"/>
F			<input type="checkbox"/>

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

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
	106.4	105.3	110.2	115	
103	110	103.7	111.6	113	
101.2	109.4	101	110.7	110.3	
	102	104.8	109	110.6	

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				

<p align="center">Traffic Sheet 19 LTTP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u></p>	<p>STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011</p>
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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

<p align="center">Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u></p>	<p align="right">STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011</p>
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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	12220	16650	16650	15630	15630		76780
2	12240	16620	16620	15640	15640		76760
Avg.	12230	16635	16635	15635	15635		76770

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	12120	16560	16560	15640	15640		76520
2	12120	16560	16560	15640	15640		76520
Avg.	12120	16560	16560	15640	15640		76520

Validation Test Truck Run Set - Cal 1

Measured By: _____
Verified By: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 06
	SPS WIM ID: 060200
	DATE (mm/dd/yyyy) 11/29/2011

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		10730	10600	Direct
B		14300	14305	Direct
C		14300	14305	Direct
D		14095	14045	Direct
E		14095	14045	Direct
F				

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 67520
c. Post Test Loaded Weight: 67300
d. Difference Post Test - Pre-Tests: 220

5. TRUCK DESCRIPTION

a. Tractor Cab Style: Conventional Sleeper Cab: Yes
photo: ☒

b. Make: peterbuilt
c. Model: EXTHD

d. Trailer Load Distribution Description:

lumber, plywood

photo: ☒

e. Tractor Tare weight - _____ - _____
f. Trailer Tare weight - _____ - _____
g. Axle Spacing - (feet and tenths)

A to B 19.5 B to C 4.3 C to D 26.7 D to E 10.2 E to F _____

h. Wheelbase - ☐ Measured _____ ☒ Computed 60.6
i. Kingpin offset from Axle B (units) 1.0 photo: ☐
j. Overall Length - ☒ Measured 66.5

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011
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CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A		steel spring	<input checked="" type="checkbox"/>
B		air	<input checked="" type="checkbox"/>
C		air	<input checked="" type="checkbox"/>
D		air	<input checked="" type="checkbox"/>
E		air	<input checked="" type="checkbox"/>
F			<input type="checkbox"/>

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
	107.4	108.3	111.4	112.1	
110	106.9	108	113	112.6	
106.5	107.1	106	112.4	108	
	108	105.6	102.8	110.3	

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				

<p align="center">Traffic Sheet 19 LTTP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2</p>	<p>STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011</p>
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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 LTTP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011
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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	10740	14280	14280	14110	14110		67520
2	10720	14320	14320	14080	14080		67520
Avg.	10730	14300	14300	14095	14095		67520

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	10600	14310	14310	14040	14040		67300
2	10600	14300	14300	14050	14050		67300
Avg.	10600	14305	14305	14045	14045		67300

Validation Test Truck Run Set - Cal 1

Measured By: _____

Verified By: _____

Traffic Sheet 19 LTTP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 06
	SPS WIM ID: 060200
	DATE (mm/dd/yyyy) 11/30/2011

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		12130	0	Direct
B		16630	0	Direct
C		16630	0	Direct
D		15620	0	Direct
E		15620	0	Direct
F				

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 76630
c. Post Test Loaded Weight: 0
d. Difference Post Test - Pre-Tests: 76630

5. TRUCK DESCRIPTION

a. Tractor Cab Style: Conventional Sleeper Cab: Yes
photo: ☒

b. Make: PETERBUILT
c. Model: EXTHD

d. Trailer Load Distribution Description:

lumber, Plywood

photo: ☒

e. Tractor Tare weight - _____ - _____
f. Trailer Tare weight - _____ - _____
g. Axle Spacing - (feet and tenths)

A to B 14.3 B to C 4.3 C to D 32.0 D to E 4.0 E to F _____

h. Wheelbase - ☐ Measured _____ ☒ Computed 54.6
i. Kingpin offset from Axle B (units) 1.16 photo: ☐
j. Overall Length - ☒ Measured 59.3

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011
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CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A		steel spring	<input checked="" type="checkbox"/>
B		air	<input checked="" type="checkbox"/>
C		air	<input checked="" type="checkbox"/>
D		air	<input checked="" type="checkbox"/>
E		air	<input checked="" type="checkbox"/>
F			<input type="checkbox"/>

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
	106.4	105.3	110.2	115	
103	110	103.7	111.6	113	
101.2	109.4	101	110.7	110.3	
	102	104.8	109	110.6	

PART B

Table 1 - Raw Measurements -Platform Scale

Axes	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				

<p align="center">Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1</p>	<p>STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011</p>
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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

<p align="center">Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u></p>	<p align="right">STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011</p>
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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	12120	16640	16640	15600	15600		76600
2	12140	16620	16620	15640	15640		76660
Avg.	12130	16630	16630	15620	15620		76630

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: _____

Verified By: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 06
	SPS WIM ID: 060200
	DATE (mm/dd/yyyy) 11/30/2011

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		10530	0	Direct
B		14510	0	Direct
C		14510	0	Direct
D		14025	0	Direct
E		14025	0	Direct
F				

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 67600
c. Post Test Loaded Weight: 0
d. Difference Post Test - Pre-Tests: 67600

5. TRUCK DESCRIPTION

a. Tractor Cab Style: Conventional Sleeper Cab: Yes
photo: ☒

b. Make: peterbuilt
c. Model: EXTHD

d. Trailer Load Distribution Description:

lumber, plywood

photo: ☒

e. Tractor Tare weight - _____ - _____
f. Trailer Tare weight - _____ - _____
g. Axle Spacing - (feet and tenths)

A to B 19.5 B to C 4.3 C to D 26.7 D to E 10.2 E to F _____

h. Wheelbase - ☐ Measured _____ ☒ Computed 60.6
i. Kingpin offset from Axle B (units) 1.0 photo: ☐
j. Overall Length - ☒ Measured 66.5

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011
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CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A		steel spring	<input checked="" type="checkbox"/>
B		air	<input checked="" type="checkbox"/>
C		air	<input checked="" type="checkbox"/>
D		air	<input checked="" type="checkbox"/>
E		air	<input checked="" type="checkbox"/>
F			<input type="checkbox"/>

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
	107.4	108.3	111.4	112.1	
110	106.9	108	113	112.6	
106.5	107.1	106	112.4	108	
	108	105.6	102.8	110.3	

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				

<p align="center">Traffic Sheet 19 LTTP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2</p>	<p>STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011</p>
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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

<p align="center">Traffic Sheet 19 LTTP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>2</u></p>	<p align="right">STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011</p>
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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	10720	14400	14400	14040	14040		67600
2	10340	14620	14620	14010	14010		67600
Avg.	10530	14510	14510	14025	14025		67600

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: _____

Verified By: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011
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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		12130	11910	Direct
B		16630	16600	Direct
C		16630	16600	Direct
D		15620	15585	Direct
E		15620	15585	Direct
F				

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 76630
c. Post Test Loaded Weight: 76280
d. Difference Post Test - Pre-Tests: 350

5. TRUCK DESCRIPTION

a. Tractor Cab Style: Conventional Sleeper Cab: Yes
photo: ☒

b. Make: PETERBUILT
c. Model: EXTHD

d. Trailer Load Distribution Description:

lumber, Plywood

photo: ☒

e. Tractor Tare weight - _____ - _____
f. Trailer Tare weight - _____ - _____
g. Axle Spacing - (feet and tenths)

A to B 14.3 B to C 4.3 C to D 32.0 D to E 4.0 E to F _____

h. Wheelbase - ☐ Measured _____ ☒ Computed 54.6
i. Kingpin offset from Axle B (units) 1.16 photo: ☐
j. Overall Length - ☒ Measured 59.3

Traffic Sheet 19 LTTP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011
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CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A		steel spring	<input checked="" type="checkbox"/>
B		air	<input checked="" type="checkbox"/>
C		air	<input checked="" type="checkbox"/>
D		air	<input checked="" type="checkbox"/>
E		air	<input checked="" type="checkbox"/>
F			<input type="checkbox"/>

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
	106.4	105.3	110.2	115	
103	110	103.7	111.6	113	
101.2	109.4	101	110.7	110.3	
	102	104.8	109	110.6	

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				

<p align="center">Traffic Sheet 19 LTTP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u></p>	<p>STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011</p>
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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: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011
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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	12120	16640	16640	15600	15600		76600
2	12140	16620	16620	15640	15640		76660
Avg.	12130	16630	16630	15620	15620		76630

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	11900	16610	16610	15600	15600		76320
2	11920	16590	16590	15570	15570		76240
Avg.	11910	16600	16600	15585	15585		76280

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: 06
	SPS WIM ID: 060200
	DATE (mm/dd/yyyy) 11/30/2011

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		10530	10610	Direct
B		14510	14340	Direct
C		14510	14340	Direct
D		14025	13980	Direct
E		14025	13980	Direct
F				

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 67600
c. Post Test Loaded Weight: 67250
d. Difference Post Test - Pre-Tests: 350

5. TRUCK DESCRIPTION

a. Tractor Cab Style: Conventional Sleeper Cab: Yes
photo: ☒

b. Make: peterbuilt
c. Model: EXTHD

d. Trailer Load Distribution Description:

lumber, plywood

photo: ☒

e. Tractor Tare weight - _____ - _____
f. Trailer Tare weight - _____ - _____
g. Axle Spacing - (feet and tenths)

A to B 19.5 B to C 4.3 C to D 26.7 D to E 10.2 E to F _____

h. Wheelbase - ☐ Measured _____ ☒ Computed 60.6
i. Kingpin offset from Axle B (units) 1.0 photo: ☐
j. Overall Length - ☒ Measured 66.5

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>2</u>	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011
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CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A		steel spring	<input checked="" type="checkbox"/>
B		air	<input checked="" type="checkbox"/>
C		air	<input checked="" type="checkbox"/>
D		air	<input checked="" type="checkbox"/>
E		air	<input checked="" type="checkbox"/>
F			<input type="checkbox"/>

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

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
	107.4	108.3	111.4	112.1	
110	106.9	108	113	112.6	
106.5	107.1	106	112.4	108	
	108	105.6	102.8	110.3	

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				

<p align="center">Traffic Sheet 19 LTTP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2</p>	<p>STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011</p>
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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: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011
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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	10720	14400	14400	14040	14040		67600
2	10340	14620	14620	14010	14010		67600
Avg.	10530	14510	14510	14025	14025		67600

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	10640	14320	14320	13990	13990		67260
2	10580	14360	14360	13970	13970		67240
Avg.	10610	14340	14340	13980	13980		67250

Validation Test Truck Run Set - Post

Measured By: Kevin Trousdale

Verified By: _____

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES					STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011				
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Count - 106 Time = 1:33:06 Trucks (4-15) - 100 Class 3s - 6

WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
58	5	24755	58	5	68	5	25019	69	5
57	9	24756	55	9	54	5	25025	52	5
57	9	24757	56	9	64	9	25084	61	9
58	3	24760	54	4	60	11	25086	61	11
55	9	24763	55	9	54	9	25093	53	9
57	9	24765	59	9	55	5	25095	62	3
57	9	24769	58	9	58	9	25102	54	9
60	9	24775	60	9	63	9	25106	59	9
57	9	24821	55	9	57	9	25110	58	9
62	11	24823	62	11	54	9	25113	54	9
57	11	24829	55	11	54	9	25117	54	9
60	11	24831	59	11	54	5	25121	53	5
57	5	24833	55	5	68	8	25130	67	3
62	9	24834	64	9	56	9	25132	55	9
56	9	24838	54	9	57	9	25134	54	9
53	5	24841	52	5	52	8	25143	52	8
56	9	24843	55	9	55	11	25149	54	11
65	9	24845	64	9	57	5	25309	54	5
57	11	24846	57	11	57	8	25310	55	8
53	8	24847	53	8	52	6	25314	52	6
60	9	24850	60	9	60	5	25319	60	5
62	9	24887	60	9	57	9	25323	57	9
54	8	24888	54	8	55	8	25326	55	8
55	5	24890	55	3	64	5	25327	62	5
56	9	25018	54	9	54	9	25335	53	9

Sheet 1 - 0 to 50

Start: 12:22:31

Stop: 13:17:06

Recorded By: _____ ar _____

Verified By: _____ kt _____

Validation Test Truck Run Set - _____ Post _____

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/30/2011
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WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
55	9	25341	55	9	55	8	25646	53	3
55	9	25347	55	9	57	5	25651	55	5
59	9	25352	58	9	54	9	25654	54	9
59	11	25354	58	11	54	5	25656	55	5
58	9	25365	59	9	59	9	25658	58	9
57	5	25368	61	5	67	5	25664	67	5
57	9	25376	54	9	59	6	25665	59	6
63	5	25379	59	5	55	9	25669	54	9
60	9	25385	59	9	60	9	25676	61	9
62	9	25391	61	9	54	9	25678	54	9
62	8	25392	59	8	56	5	25679	53	4
62	8	25402	59	8	55	9	25681	55	9
60	9	25406	62	9	63	5	25686	60	5
59	9	25410	58	9	60	9	25689	55	9
70	5	25414	69	5	57	9	25691	55	9
65	5	25417	65	5	57	9	25696	55	9
58	9	25424	59	9	57	9	25700	55	9
58	6	25426	57	6	56	11	25703	54	11
57	8	25428	60	8	56	9	25707	55	9
60	6	25437	58	6	58	9	25712	56	9
59	11	25443	57	11	57	9	25718	57	9
56	9	25445	55	9	60	3	25720	61	3
60	8	25450	60	3	57	9	25723	56	9
56	9	25457	58	9	59	9	25726	59	9
62	5	25463	63	5	62	9	25730	61	9

Sheet 2 - 51 to 100

Start: 13:17:38

Stop: 13:47:44

Recorded By: ar

Verified By: kt

Validation Test Truck Run Set - Post

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES					STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011				
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Count - 107

Time = 3:08:21

Trucks (4-15) - 100

Class 3s - 7

WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
61	9	11308	60	9	60	9	11410	58	9
57	8	11310	55	8	58	9	11907	58	9
60	9	11312	58	9	59	5	11908	57	3
60	9	11318	60	9	61	9	11910	60	9
62	9	11324	57	9	58	11	11914	55	11
60	9	11326	59	9	68	5	11920	66	5
59	9	11327	57	9	62	9	11923	59	9
64	5	11340	62	5	59	6	11925	60	6
73	5	11343	69	5	59	9	11927	59	9
59	11	11345	58	11	61	3	11928	54	3
60	9	11347	58	9	60	6	11932	58	6
62	9	11348	62	9	61	11	11933	57	11
56	9	11351	56	9	54	9	11936	52	9
56	9	11352	56	9	54	9	11937	52	9
60	3	11353	57	3	53	3	11938	49	3
66	5	11360	61	5	59	9	11948	55	9
62	9	11361	62	9	63	9	11950	60	9
57	9	11368	58	9	62	11	11955	63	11
56	9	11369	53	9	58	9	11964	54	9
57	9	11373	54	9	59	9	11967	58	9
58	11	11376	58	11	58	8	11971	57	8
57	9	11378	55	9	59	5	11975	57	5
55	9	11379	54	9	57	5	11977	55	5
57	9	11407	55	9	59	6	11983	58	6
57	9	11408	54	9	54	9	11985	54	9

Sheet 1 - 0 to 50

Start: 11:40:17

Stop: 12:32:58

Recorded By: ar

Verified By: kt

Validation Test Truck Run Set - Cal 1

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES					STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011				
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WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
60	9	13289	58	9	59	9	13389	61	9
60	9	13295	59	9	59	9	13390	58	9
59	6	13296	58	6	62	9	13392	60	9
60	6	13297	59	6	54	5	13393	52	5
59	9	13304	56	9	57	9	13396	53	9
60	5	13307	58	4	56	8	13454	54	8
61	9	13313	59	9	57	9	13462	56	9
59	9	13315	56	9	60	11	13465	59	11
56	6	13320	53	6	59	9	13476	57	9
54	9	13321	53	9	54	9	13478	53	9
58	9	13326	60	9	54	11	13479	55	11
61	9	13327	60	9	53	5	13480	53	3
65	5	13328	64	5	58	9	13488	59	9
59	8	13337	58	8	56	9	13491	55	9
60	8	13341	59	3	63	6	13494	59	6
60	9	13344	58	9	64	9	13506	63	9
66	5	13349	65	5	62	12	13507	59	12
57	5	13353	57	3	63	9	13513	61	9
60	9	13357	56	9	56	9	13517	56	9
60	9	13369	59	9	66	8	13531	65	5
58	9	13375	55	9	58	9	13533	55	9
57	11	13376	53	11	57	12	13534	55	12
61	9	13381	59	9	64	11	13542	63	11
59	9	13382	57	9	62	9	13546	57	9
63	9	13383	59	9	59	9	13548	59	9

Sheet 2 - 51 to 100

Start: 14:18:29

Stop: 14:37:19

Recorded By: _____ ar _____

Verified By: _____ kt _____

Validation Test Truck Run Set - Cal 1

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 06 SPS WIM ID: 060200 DATE: (mm/dd/yyyy): 11/29/2011									
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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
48.9	52	2	1	9:18:20	9635	51.0	10.6	14.8	14.4	13.9	14.0		67.8	19.9	4.4	27.1	10.3		61.7	68.0
48.9	50	1	1	9:28:37	9748	52.0	12.3	16.7	16.6	15.9	16.2		77.8	14.3	4.4	32.5	4.2		55.4	61.0
49.8	50	2	2	10:00:36	10152	51.0	10.8	14.7	14.4	13.9	14.0		67.7	19.8	4.4	27.1	10.4		61.7	68.0
49.8	51	1	2	10:00:40	10153	49.0	12.2	17.5	16.9	15.7	16.1		78.5	14.4	4.4	32.8	4.2		55.8	61.0
48.6	55	2	3	10:10:55	10285	55.0	11.1	14.5	13.9	13.7	14.0		67.2	19.9	4.5	27.1	10.3		61.8	68.0
48.6	53	1	3	10:10:58	10286	56.0	13.4	18.9	17.3	15.4	15.9		81.0	14.5	4.4	32.9	4.2		56.0	62.0
48.4	59	2	4	10:21:13	10416	63.0	11.1	14.3	14.1	15.1	15.9		70.5	20.1	4.4	28.1	11.0		63.6	70.0
48.4	58	1	4	10:21:16	10417	60.0	12.3	16.7	16.7	15.0	15.3		76.0	14.4	4.4	32.5	4.1		55.4	61.0
49.3	50	2	5	10:31:29	10556	50.0	10.9	15.1	14.7	13.7	14.3		68.7	19.9	4.5	27.4	10.3		62.1	69.0
49.3	50	1	5	10:31:32	10557	51.0	11.9	17.0	16.9	15.8	16.0		77.6	14.4	4.5	32.7	4.2		55.8	61.0
50.0	54	2	6	10:41:45	10686	55.0	10.5	14.6	14.6	13.8	14.3		67.9	19.8	4.4	27.1	10.4		61.7	68.0
50.0	54	1	6	10:41:46	10687	54.0	12.4	17.3	17.1	16.5	16.2		79.7	14.4	4.5	32.5	4.2		55.6	61.0
51.5	60	2	7	12:44:34	12137	60.0	10.5	14.8	14.5	14.8	15.4		70.0	19.8	4.4	27.1	10.4		61.7	68.0
51.5	59	1	7	12:44:37	12138	59.0	12.3	17.1	16.6	15.2	15.7		77.0	14.4	4.4	32.4	4.2		55.4	61.0
51.9	50	2	8	12:54:26	12253	50.0	10.5	15.2	14.5	13.9	14.0		68.0	19.9	4.4	27.1	10.4		61.8	68.0
51.9	50	1	8	12:54:28	12254	50.0	12.6	16.7	16.4	15.1	14.8		75.7	14.4	4.4	32.9	4.1		55.8	61.0
51.1	55	2	9	13:04:33	12388	55.0	11.3	14.4	13.8	13.9	13.7		67.2	19.9	4.5	27.2	10.4		62.0	68.0
51.1	55	1	9	13:04:36	12389	54.0	12.3	17.1	15.7	15.2	16.3		76.4	14.4	4.4	32.4	4.1		55.3	61.0
52.7	60	2	10	13:15:41	12527	60.0	10.6	14.4	14.1	14.6	14.8		68.4	19.8	4.4	27.0	10.3		61.5	68.0
52.7	59	1	10	13:15:44	12528	58.0	12.4	16.8	16.8	15.8	15.6		77.3	14.5	4.4	32.5	4.2		55.6	61.0
52.1	49	2	11	13:25:59	12665	52.0	10.7	15.2	14.7	13.3	14.3		68.3	19.9	4.4	27.2	10.4		61.9	69.0
52.1	50	1	11	13:26:03	12666	50.0	12.4	17.3	16.4	15.6	15.6		77.3	14.3	4.5	32.7	4.1		55.6	61.0
51.7	53	2	12	13:36:09	12783	55.0	10.8	14.5	14.1	14.3	13.7		67.4	19.9	4.4	27.0	10.3		61.6	68.0
51.7	52	1	12	13:36:12	12784	54.0	12.4	17.7	17.0	15.9	15.8		78.8	14.5	4.4	32.8	4.1		55.8	62.0

Recorded By: _____ ar _____

Verified By: _____ kt _____

Run Set _____ Cal 1 _____

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS	STATE CODE: 06 SPS WIM ID: 060200 DATE: (mm/dd/yyyy): 11/29/2011
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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
51.8	60	2	13	13:46:42	12920	61.0	10.5	14.8	14.4	14.2	14.3		68.4	19.9	4.4	27.0	10.3		61.6	68.0
51.8	59	1	13	13:46:46	12921	57.0	11.9	16.5	15.9	15.4	15.7		75.3	14.3	4.3	32.3	4.1		55.0	61.0
52.5	51	2	14	13:57:16	13035	50.0	10.6	14.8	14.5	13.3	14.5		67.7	19.9	4.4	27.1	10.3		61.7	69.0
52.5	50	1	14	13:57:18	13036	49.0	12.0	17.7	16.7	15.7	15.9		78.1	14.4	4.4	32.6	4.1		55.5	61.0
51.2	59	2	15	15:04:32	13932	60.0	10.6	14.9	14.0	14.7	15.0		69.3	19.8	4.4	26.9	10.3		61.4	68.0
51.2	59	1	15	15:04:35	13933	60.0	12.0	17.5	17.2	15.7	16.0		78.5	14.5	4.4	32.5	4.1		55.5	61.0
51.1	55	2	16	15:25:43	14204	55.0	10.9	15.1	14.5	14.1	13.9		68.6	19.9	4.5	27.1	10.3		61.8	68.0
51.1	54	1	16	15:25:46	14205	55.0	12.0	16.1	17.3	16.1	16.3		77.8	14.4	4.4	32.6	4.3		55.7	62.0
51.0	60	2	17	15:36:01	14347	60.0	10.5	14.6	14.7	14.5	14.5		68.7	20.0	4.4	27.1	10.4		61.9	68.0
51.0	58	1	17	15:36:04	14348	57.0	12.2	17.9	16.9	16.0	16.4		79.5	14.4	4.4	32.6	4.2		55.6	61.0
51.0	49	2	18	15:45:58	14495	50.0	10.8	14.8	14.3	14.1	14.3		68.3	19.9	4.4	27.1	10.3		61.7	68.0
51.0	48	1	18	15:46:01	14496	49.0	12.3	16.4	16.6	15.8	15.5		76.6	14.3	4.4	32.5	4.2		55.4	61.0
51.6	55	2	19	15:56:07	14640	55.0	10.6	14.5	14.5	14.6	13.3		67.4	19.9	4.5	27.1	10.3		61.8	68.0
51.6	54	1	19	15:56:10	14641	54.0	12.1	16.9	16.1	15.7	16.0		76.7	14.4	4.4	32.7	4.1		55.6	61.0
50.7	68	2	20	16:06:28	14784	61.0	10.4	14.5	14.2	14.7	14.9		68.9	19.9	4.5	27.2	10.4		62.0	69.0
50.7	55	1	20	16:06:32	14785	57.0	12.4	16.8	17.0	16.6	16.9		79.8	14.4	4.5	32.5	4.2		55.6	61.0

Recorded By: _____ ar _____	Verified By: _____ kt _____	Run Set <u>Cal 1</u>
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Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 06 SPS WIM ID: 060200 DATE: (mm/dd/yyyy): 11/30/2011									
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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
48.9	50	2	1	8:32:41	21963	50.0	10.4	14.8	13.7	14.2	14.2		67.2	19.5	4.3	26.6	10.1		60.5	66.0
48.9	50	1	1	8:32:45	21964	51.0	12.6	16.6	17.0	15.5	15.2		76.8	14.2	4.4	32.3	4.0		54.9	60.0
49.1	55	2	2	8:43:08	22097	55.0	10.6	14.6	14.2	14.3	13.3		67.2	19.5	4.4	26.5	10.1		60.5	66.0
49.1	54	1	2	8:43:11	22098	55.0	11.9	16.7	16.4	15.6	15.9		76.5	14.1	4.3	31.9	4.0		54.3	60.0
49.4	59	2	3	8:53:05	22218	60.0	10.6	14.6	14.0	14.2	14.0		67.5	19.6	4.4	26.6	10.2		60.8	67.0
49.4	60	1	3	8:53:09	22219	56.0	12.1	16.3	16.9	16.3	16.9		78.4	14.1	4.4	31.8	4.1		54.4	59.0
50.3	49	2	4	9:03:25	22343	50.0	10.6	14.5	14.0	13.6	14.3		67.0	19.5	4.3	26.7	10.1		60.6	66.0
50.3	50	1	4	9:03:27	22344	49.0	12.3	16.9	16.7	15.1	15.9		76.9	14.1	4.3	31.9	4.1		54.4	59.0
49.4	53	2	5	9:13:43	22465	55.0	10.6	14.8	13.7	14.0	13.6		66.7	19.5	4.3	26.4	10.1		60.3	66.0
49.4	54	1	5	9:13:46	22466	56.0	12.9	17.9	17.0	16.0	15.7		79.4	14.2	4.3	32.2	4.1		54.8	60.0
48.9	59	2	6	9:32:51	22581	59.0	10.5	14.5	13.9	14.7	15.2		68.9	19.5	4.3	26.4	10.1		60.3	66.0
48.9	58	1	6	9:23:54	22582	59.0	12.3	16.3	16.0	14.8	15.6		74.9	14.2	4.3	32.0	4.0		54.5	60.0
50.9	50	2	7	10:44:20	23540	50.0	10.7	14.8	14.5	14.3	14.0		68.3	19.5	4.3	26.6	10.2		60.6	66.0
50.9	50	1	7	10:44:23	23541	49.0	12.7	17.1	16.1	14.7	15.0		75.6	14.2	4.4	32.2	4.1		54.9	60.0
52.2	55	2	8	11:43:45	24268	54.0	10.6	14.0	14.0	14.1	13.5		66.3	19.4	4.3	26.5	10.1		60.3	66.0
52.2	54	1	8	11:43:48	24269	52.0	12.2	17.5	16.6	15.7	16.0		77.9	14.2	4.3	32.2	4.1		54.8	59.0
53.6	60	2	9	11:54:02	24406	59.0	10.3	15.2	14.3	14.3	14.9		68.9	19.5	4.4	26.6	10.2		60.7	67.0
53.6	58	1	9	11:54:05	24408	56.0	11.8	16.5	16.6	14.7	15.2		74.8	14.1	4.3	31.8	4.0		54.2	59.0
54.6	50	2	10	12:04:59	24553	50.0	10.7	15.0	14.1	13.8	14.4		68.1	19.5	4.4	26.7	10.1		60.7	67.0
54.6	50	1	10	12:05:01	24554	50.0	12.3	16.4	17.0	15.1	15.7		76.5	14.1	4.3	31.9	4.1		54.4	62.0
58.2	54	2	11	12:15:30	24680	55.0	10.5	14.4	14.0	14.2	13.3		66.4	19.5	4.4	26.6	10.1		60.6	66.0
58.2	55	1	11	12:15:34	24681	55.0	12.1	16.0	16.4	15.1	15.4		75.0	14.1	4.3	31.8	4.0		54.2	59.0
57.2	59	2	12	12:25:33	24781	59.0	10.4	15.3	14.2	14.4	14.9		69.4	19.5	4.4	26.5	10.1		60.5	66.0
57.2	58	1	12	12:25:37	24783	58.0	12.2	18.2	16.2	15.4	15.6		77.5	14.2	4.3	32.0	4.1		54.6	59.0
Recorded By: _____ ar _____ Verified By: _____ kt _____ Run Set _____ Post _____																				

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 06 SPS WIM ID: 060200 DATE: (mm/dd/yyyy): 11/30/2011									
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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
57.8	50	2	13	12:37:36	24893	49.0	10.7	14.6	14.4	13.6	14.5		67.8	19.6	4.3	26.7	10.1		60.7	67.0
57.8	52	1	13	12:37:57	24897	52.0	12.2	17.3	16.2	15.5	15.8		77.0	14.1	4.3	32.1	4.0		54.5	59.0
56.8	54	2	14	12:50:32	25030	55.0	10.3	14.6	14.4	13.7	13.5		66.5	19.4	4.3	26.5	10.1		60.3	66.0
56.8	53	1	14	12:50:39	25031	55.0	12.0	17.7	16.6	16.4	16.2		78.9	14.1	4.4	32.1	4.2		54.8	59.0
57.8	54	2	15	13:04:00	25152	54.0	10.1	14.4	14.7	13.8	13.8		66.8	19.4	4.3	26.8	10.3		60.8	67.0
57.8	58	1	15	13:14:38	25162	60.0	11.6	16.4	16.7	15.4	15.7		75.7	14.2	4.3	32.1	4.1		54.7	60.0
60.5	50	2	16	14:16:32	26082	49.0	10.7	14.5	14.5	14.5	13.8		67.9	19.4	4.3	26.6	10.1		60.4	66.0
60.5	49	1	16	14:16:35	26084	50.0	12.1	17.3	16.7	15.3	15.0		76.6	14.0	4.3	31.9	4.1		54.3	59.0
60.5	52	2	17	14:26:46	26206	52.0	10.5	14.4	14.4	14.3	13.9		67.7	19.4	4.3	26.6	10.1		60.4	66.0
60.5	51	1	17	14:26:48	26027	52.0	12.4	16.9	16.0	16.0	16.3		77.6	14.2	4.3	32.1	4.0		54.6	59.0
59.5	56	2	18	14:36:24	26342	60.0	10.3	14.1	14.6	14.2	14.3		67.4	19.6	4.4	26.7	10.1		60.8	67.0
59.5	54	1	18	14:36:29	26343	55.0	11.8	17.1	16.7	15.6	16.1		77.1	14.1	4.3	31.8	4.0		54.2	59.0
58.4	54	2	19	14:57:06	26645	55.0	10.2	14.6	13.9	13.7	13.8		66.4	19.6	4.4	26.8	10.2		61.0	67.0
58.4	53	1	19	14:57:08	26647	54.0	11.7	16.8	16.7	15.3	16.2		76.7	14.1	4.3	32.0	4.0		54.4	60.0
56.7	60	2	20	16:46:46	26780	59.0	10.2	15.1	14.5	14.7	14.6		69.2	19.6	4.3	26.6	10.1		60.6	67.0
56.7	55	1	20	15:06:52	26781	53.0	12.6	16.7	16.0	15.2	15.6		76.2	14.1	4.3	31.9	4.0		54.3	60.0
56.7	50	2	21	15:17:14	26929	50.0	10.6	14.9	14.0	13.5	14.6		67.6	19.5	4.3	26.7	10.1		60.6	67.0
56.7	49	1	21	15:17:17	26930	49.0	12.8	18.1	15.4	14.9	15.6		76.7	14.0	4.4	32.0	4.1		54.5	60.0

Recorded By: _____ ar _____	Verified By: _____ kt _____	Run Set _____ Post _____
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Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 06 SPS WIM ID: 060200 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 11/29/2011
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SITE EQUIPMENT INFORMATION

1. TYPE OF EQUIPMENT BOTH
2. LANE NUMBER ON SITE 1 3. DIRECTION ON SITE north
4. VENDOR IRD MODEL SERIAL# 70506451
5. WEIGHING SENSOR TYPE bending plate
6. SYSTEM SOFTWARE VERSIONS:
- CPU
- LOOP
- PIEZO
- WEIGHPAD/ 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 sytem. 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: 06 SPS WIM ID: 060200 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 11/29/2011
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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 did not indicate any adverse dynamics that would affect the accuracy of the WIM system. The 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: _____

<p align="center">Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY</p>	<p>STATE CODE: 06 SPS WIM ID: 060200 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 11/29/2011</p>
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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: 06 SPS WIM ID: 060200 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 11/29/2011
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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>57.6</u>	mph	Average WIM Speed	<u>59.4</u>	mph
Mean Difference	<u>1.7</u>	mph	SD of mean	<u>1.6</u>	
Posted Speed Limit		<u>55</u>	mph		
Speed Range	15th percentile -	<u>58</u>	mph		
			85th percentile-	<u>65</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>4.42</u>	ft (WIM system average)
=		<u>4.1</u>	%
Average front axle weight for Class 9 vehicles		<u> </u>	lbs
% error from 10.3 kips (industry average) OR		<u>11.5</u>	lbs (known site value)
=		<u>11.7</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 ☒

solar Panel Has a crack in it from a stone

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE:	06
	SPS WIM ID:	060200
	STATE ASSIGNED ID	0
	DATE (mm/dd/yyyy)	11/29/2011

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: 06 SPS WIM ID: 060200 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 11/29/2011
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STATIC EQUIPMENT VALUES (SYSTEM OFF)

1. POWER

a. Solar Panel	<u>160</u>	WATTS	<u>12.57</u>	VDC
b. Equipment Power	<u> </u>	VAC	<u>11.28</u>	VDC
c. Battery 1	<u>12.54</u>	VDC		
d. Battery 2	<u>12.54</u>	VDC		
e. Regulated	<u> </u>	VDC		
f. Power Supply	<u>12.54</u>	VDC	<u> </u>	VDC
g. System Input	<u> </u>	VAC	<u>11.28</u>	VDC
h. Modem Power	<u> </u>	VAC	<u>12.8</u>	VDC
i. Telephone	<u> </u>	VDC		

2. LOOP SENSORS

	Resistance		Inductance		Shield	
a. Leading	<u>0.5</u>	Ω	<u>128.3</u>	μh	<u>inf</u>	M Ω
b. Trailing	<u>0.5</u>	Ω	<u>126.6</u>	μh	<u>inf</u>	M Ω

3. WEIGHPAD SENSORS

	Input		Output		Shield	
a. Leading	<u>968</u>	Ω	<u>844</u>	Ω	<u>inf</u>	Ω
b. Trailing	<u>969</u>	Ω	<u>844</u>	Ω	<u>inf</u>	Ω

DYNAMIC EQUIPMENT VALUES (SYSTEM ON)

4. LOOP SENSORS

	Frequency	
a. Leading	<u>21.8</u>	KHz
b. Trailing	<u>21.5</u>	KHz

5. WEIGHPAD SENSORS

	Zero Point	
a. Leading	<u>-1.8</u>	mV
b. Trailing	<u>-2.9</u>	mV

Assessor Kevin Trousdale

<p align="center">Traffic Sheet 24A LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Equipment</p>	<p>STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011</p>
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Item	Description	Filename
1	Power Source	060200_solar_panel_11_29_11.jpg
2	Telephone Source	060200_cellular_phone_11_29_11.jpg
3	Cabinet Exterior	060200_cabinet_exterior_11_29_11.jpg
4	Cabinet Interior	060200_cabinet_interior_front_11_29_11.jpg
5	Leading weight sensor	060200_leading_bending_plate_11_29_11.jpg
6	Trailing weight sensor	060200_trailing_bending_plate_11_29_11.jpg
7	Leading classification sensor	
8	Trailing classification sensor	
9	Leading loop sensor	060200_leading_loop_11_29_11.jpg
10	Trailing loop sensor	060200_trailing_loop_11_29_11.jpg
11	Downstream from site	060200_downstream_11_29_11.jpg
12	Upstream from site	060200_upstream_11_29_11.jpg
13	Cabinet Interior - Rear	060200_cabinet_interior_rear_11_29_11.jpg
14		
15		
16		
17		
18		
19		
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21		
22		
23		
24		
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27		
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30		

RECORDED BY: _____ Dean J. Wolf

Traffic Sheet 24B LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Test Trucks	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 11/29/2011
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Item	Description	Filename
1	Tractor, Truck #1	060200_Truck_1_Tractor_11_29_11.jpg
2	Trailer/Load, Truck #1	060200_Truck_1_Trailer_11_29_11.jpg
3	Kingpin Offset, Truck #1	
4	Suspension A, Truck #1	060200_Truck_1_Suspension_1_11_29_11.jpg
5	Suspension B, Truck #1	060200_Truck_1_Suspension_2_11_29_11.jpg
6	Suspension C, Truck #1	060200_Truck_1_Suspension_3_11_29_11.jpg
7	Suspension D, Truck #1	060200_Truck_1_Suspension_4_11_29_11.jpg
8	Suspension E, Truck #1	060200_Truck_1_Suspension_5_11_29_11.jpg
9	Suspension F, Truck #1	
10	Tractor, Truck #2	060200_Truck_2_Tractor_11_29_11.jpg
11	Trailer/Load, Truck #2	060200_Truck_2_Trailer_11_29_11.jpg
12	Kingpin Offset, Truck #2	
13	Suspension A, Truck #2	060200_Truck_2_Suspension_1_11_29_11.jpg
14	Suspension B, Truck #2	060200_Truck_2_Suspension_2_11_29_11.jpg
15	Suspension C, Truck #2	060200_Truck_2_Suspension_3_11_29_11.jpg
16	Suspension D, Truck #2	060200_Truck_2_Suspension_4_11_29_11.jpg
17	Suspension E, Truck #2	060200_Truck_2_Suspension_5_11_29_11.jpg
18	Suspension F, Truck #2	
19	Tractor, Truck #3	
20	Trailer/Load, Truck #3	
21	Kingpin Offset, Truck #3	
22	Suspension A, Truck #3	
23	Suspension B, Truck #3	
24	Suspension C, Truck #3	
25	Suspension D, Truck #3	
26	Suspension E, Truck #3	
27	Suspension F, Truck #3	
28	Scale	
29		
30		

RECORDED BY: _____ Dean J Wolf