

Traffic Sheet 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	STATE CODE:	06
	SPS WIM ID:	060200
	DATE (mm/dd/yyyy)	8/18/2010

SITE CALIBRATION INFORMATION

1. DATE OF CALIBRATION {mm/dd/yy} 8/18/10
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. Bending Plates c.
- b. Inductance Loops d.
5. EQUIPMENT MANUFACTURER: IRD iSINC

WIM SYSTEM CALIBRATION SPECIFICS

6. CALIBRATION TECHNIQUE USED: Test Trucks
- Number of Trucks Compared:
- Number of Test Trucks Used: 2
- Passes Per Truck: 20

	Type	Drive Suspension	Trailer Suspension
Truck 1:	<u>9</u>	<u>air</u>	<u>air</u>
Truck 2:	<u>9</u>	<u>air</u>	<u>air</u>
Truck 3:	<u>0</u>	<u>0</u>	<u>0</u>

7. SUMMARY CALIBRATION RESULTS (expressed as a %):

Mean Difference Between -

Dynamic and Static GVW:	<u>-0.1%</u>	Standard Deviation:	<u>1.2%</u>
Dynamic and Static Single Axle:	<u>-1.1%</u>	Standard Deviation:	<u>2.1%</u>
Dynamic and Static Double Axles:	<u>0.2%</u>	Standard Deviation:	<u>1.9%</u>

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

9. DEFINE SPEED RANGES IN MPH:

	Low		High	Runs
a. <u>Low</u>	<u>49.0</u>	to	<u>53.3</u>	<u>13</u>
b. <u>Medium</u>	<u>53.4</u>	to	<u>57.8</u>	<u>13</u>
c. <u>High</u>	<u>57.9</u>	to	<u>62.0</u>	<u>14</u>
d. <u>0</u>	<u></u>	to	<u></u>	<u></u>
e. <u>0</u>	<u></u>	to	<u></u>	<u></u>

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10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3342 | 3342

11. IS AUTO- CALIBRATION USED AT THIS SITE? No
 If yes , define auto-calibration value(s):

The Auto-cal feature is using a linear progression of numerical values, starting at 1000 for 0 degrees, with a value incremented by 4 for every degree up to 100 degrees.

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>-</u>	
FHWA Class 8:	<u>9.0</u>	FHWA Class	<u>-</u>	
		FHWA Class	<u>-</u>	
		FHWA Class	<u>-</u>	

Percent of "Unclassified" Vehicles: 0.8%

Validation Test Truck Run Set - Post

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

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- b. Inductance Loops d.
5. EQUIPMENT MANUFACTURER: IRD iSINC

WIM SYSTEM CALIBRATION SPECIFICS

6. CALIBRATION TECHNIQUE USED: Test Trucks
- Number of Trucks Compared:
- Number of Test Trucks Used: 2
- Passes Per Truck: 20

	Type	Drive Suspension	Trailer Suspension
Truck 1:	<u>9</u>	<u>air</u>	<u>air</u>
Truck 2:	<u>9</u>	<u>air</u>	<u>air</u>
Truck 3:	<u>0</u>	<u>0</u>	<u>0</u>

7. SUMMARY CALIBRATION RESULTS (expressed as a %):

Mean Difference Between -

Dynamic and Static GVW:	<u>-0.1%</u>	Standard Deviation:	<u>1.2%</u>
Dynamic and Static Single Axle:	<u>-1.1%</u>	Standard Deviation:	<u>2.1%</u>
Dynamic and Static Double Axles:	<u>0.2%</u>	Standard Deviation:	<u>1.9%</u>

8. NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED: 3**9. DEFINE SPEED RANGES IN MPH:**

	Low		High	Runs
a. <u>Low</u>	<u>49.0</u>	to	<u>53.3</u>	<u>13</u>
b. <u>Medium</u>	<u>53.4</u>	to	<u>57.8</u>	<u>13</u>
c. <u>High</u>	<u>57.9</u>	to	<u>62.0</u>	<u>14</u>
d. <u>0</u>	<u></u>	to	<u></u>	<u></u>
e. <u>0</u>	<u></u>	to	<u></u>	<u></u>

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10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3342 | 3342

11. IS AUTO- CALIBRATION USED AT THIS SITE? No
 If yes , define auto-calibration value(s):

The Auto-cal feature is using a linear progression of numerical values, starting at 1000 for 0 degrees, with a value incremented by 4 for every degree up to 100 degrees.

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	-	
FHWA Class 8:	<u>9.0</u>	FHWA Class	-	
		FHWA Class	-	
		FHWA Class	-	

Percent of "Unclassified" Vehicles: 0.8%

Validation Test Truck Run Set - Post

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

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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. Bending Plates c.
- b. Inductance Loops d.
5. EQUIPMENT MANUFACTURER: IRD ISINC

WIM SYSTEM CALIBRATION SPECIFICS

6. CALIBRATION TECHNIQUE USED: Test Trucks
- Number of Trucks Compared:
- Number of Test Trucks Used: 2
- Passes Per Truck: 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:	<u>0</u>	<u>0</u>	<u>0</u>

7. SUMMARY CALIBRATION RESULTS (expressed as a %):

Mean Difference Between -

Dynamic and Static GVW:	<u>3.2%</u>	Standard Deviation:	<u>1.2%</u>
Dynamic and Static Single Axle:	<u>3.0%</u>	Standard Deviation:	<u>2.1%</u>
Dynamic and Static Double Axles:	<u>3.6%</u>	Standard Deviation:	<u>2.0%</u>

8. NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED: 3**9. DEFINE SPEED RANGES IN MPH:**

	Low		High	Runs
a. <u>Low</u>	<u>49.0</u>	to	<u>52.7</u>	<u>15</u>
b. <u>Medium</u>	<u>52.8</u>	to	<u>57.0</u>	<u>10</u>
c. <u>High</u>	<u>57.1</u>	to	<u>60.0</u>	<u>16</u>
d. <u>0</u>	<u></u>	to	<u></u>	<u></u>
e. <u>0</u>	<u></u>	to	<u></u>	<u></u>

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	DATE (mm/dd/yyyy)	8/17/2010

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3283 | 3283

11. IS AUTO- CALIBRATION USED AT THIS SITE? No
 If yes , define auto-calibration value(s):

The Auto-cal feature is using a linear progression of numerical values, starting at 1000 for 0 degrees, with a value Incremented by 4 for every degree up to 100 degrees.

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> </u>	-	<u> </u>
FHWA Class 8:	<u>0.0</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 - Pre

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

Traffic Sheet 17 LTPP MONITORED TRAFFIC DATA WIM SITE INVENTORY	STATE CODE:	06
	SPS WIM ID:	060200
	DATE (mm/dd/yyyy)	8/18/2010

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: _____ ft

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: 8/18/10 Photo Filename: 060200_upstream_08_17_10.jpg
 Date: 8/18/10 Photo Filename: 060200_downstream_08_17_10.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

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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: _____ ft
Type: Solar
AC in cabinet? N
Service provider: _____ Phone # _____

12. TELEPHONE

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

13. SYSTEM

Software and version no. _____
Computer connection: _____

14. TEST TRUCK TURNAROUND TIME

Duration: _____ minutes Distance: _____ miles

15. PHOTOS

Filename

Power source: 060200_solar_panel_08_17_10.jpg
Phone source: 060200_cellular_phone_08_17_10.jpg
Cabinet exterior: 060200_cabinet_exterior_08_17_10.jpg
Cabinet interior: 060200_cabinet_interior_front_08_17_10.jpg
Weight sensors: 060200_leading_bending_plate_08_17_10.jpg
060200_trailing_bending_plate_08_17_10.jpg
Other sensors: 060200_leading_loop_08_17_10.jpg
060200_trailing_loop_08_17_10.jpg
Downstream from sensors on LTPP lane: 060200_downstream_08_17_10.jpg
Upstream from sensors on LTPP lane: 060200_upstream_08_17_10.jpg

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010
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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 unknown
- 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) 8/18/2010
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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) 8/17/2010

CALIBRATION TEST TRUCK - Primary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5

3. AXLE WEIGHTS (1000s lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		11990	11720	Direct
B		14970	14870	Direct
C		13760	13770	Direct
D		18200	17900	Direct
E		17520	17740	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 76440
c. Post Test Loaded Weight: 76000
d. Difference Post Test - Pre-Tests: 440

5. TRUCK DESCRIPTION

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

b. Make: Ford
c. Model: Unknown

d. Trailer Load Distribution Description:

scrap metal loaded on pallets, in bales, and in bins loaded along trailer

photo: ☒

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

A to B 14.0 B to C 4.4 C to D 31.8 D to E 4.1 E to F 0.0

h. Wheelbase - ☐ Measured _____ ☒ Computed 54.3
i. Kingpin offset from Axle B (units) -1.3' photo: ☐

Traffic Sheet 19	STATE CODE: 06
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CALIBRATION TEST TRUCK # 1	DATE (mm/dd/yyyy) 8/17/2010

CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	295/75R22.5	steel spring	<input checked="" type="checkbox"/>
B	295/75R22.5	air	<input checked="" type="checkbox"/>
C	295/75R22.5	air	<input checked="" type="checkbox"/>
D	275/80R22.5	air	<input checked="" type="checkbox"/>
E	275/75R22.5	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
111.5	102	102.9	98.4	104.5	
103.9	99	97.8	102	102.6	
	96.2	94	97	99	
	99.1	93.3	95.9	92	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11900	0	0	11580
A+B	II	26540	0	0	26280
A+B+C	III	40560	0	0	40160
A+B+C+D	IV	58560	0	0	58140
A+B+C+D+E(1)	V	76440	0	0	76000
A+B+C+D+E+(F)(1)	VI	76440	0	0	76000
B+C+D+E+(F)	VII	64360	0	0	64140
C+D+E+(F)	VIII	49060	0	0	49100
D+E+(F)	IX	35560	0	0	35440
E+(F)	X	17160	0	0	17620
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	76440	0	0	76000

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/17/2010
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CALIBRATION TEST TRUCK - Primary

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

	1		2		Avg.
Axle A	I	11900	VI-VII	12080	11990
Axle B	II-I	14640	VII-VIII	15300	14970
Axle C	III-II	14020	VIII-IX	13500	13760
Axle D	IV-III	18000	IX-X	18400	18200
Axle E	V-IV	17880	X-XI	17160	17520
Axle F	VI-V	0	XI	0	0
GVW	VI	76440	XII	76440	76440

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	0	XI	0	0
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	0	XI	0	0
GVW	VI	0	XII	0	0

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

	1		2		Avg.
Axle A	I	11580	VI-VII	11860	11720
Axle B	II-I	14700	VII-VIII	15040	14870
Axle C	III-II	13880	VIII-IX	13660	13770
Axle D	IV-III	17980	IX-X	17820	17900
Axle E	V-IV	17860	X-XI	17620	17740
Axle F	VI-V	0	XI	0	0
GVW	VI	76000	XII	76000	76000

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/17/2010
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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	11900	14640	14020	18000	17880	0	76440
2	12080	15300	13500	18400	17160	0	76440
Avg.	11990	14970	13760	18200	17520	0	76440

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	11580	14700	13880	17980	17860	0	76000
2	11860	15040	13660	17820	17620	0	76000
Avg.	11720	14870	13770	17900	17740	0	76000

Validation Test Truck Run Set - Pre

Measured By: Kevin Trousdale

Verified By: Dean J. Wolf

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 06
	SPS WIM ID: 060200
	DATE (mm/dd/yyyy) 8/17/2010

CALIBRATION TEST TRUCK - Secondary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5

3. AXLE WEIGHTS (1000s lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		9400	9270	Direct
B		15370	15370	Direct
C		15190	15060	Direct
D		13990	14250	Direct
E		14250	13910	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 68200
c. Post Test Loaded Weight: 67860
d. Difference Post Test - Pre-Tests: 340

5. TRUCK DESCRIPTION

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

b. Make: Peterbilt
c. Model: 379

d. Trailer Load Distribution Description:

palletized particle board loaded along trailer

photo: ☒

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

A to B 17.8 B to C 4.4 C to D 28.8 D to E 8.5 E to F 0.0

h. Wheelbase - ☐ Measured _____ ☒ Computed 59.5
i. Kingpin offset from Axle B (units) -2.2' photo: ☐

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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	275/80R22.5	steel spring	<input checked="" type="checkbox"/>
B	445/50R22.5	air	<input checked="" type="checkbox"/>
C	445/50R22.5	air	<input checked="" type="checkbox"/>
D	445/50R22.5	air	<input checked="" type="checkbox"/>
E	445/50R22.5	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
105	105	109	101.9	101.9	
114.9	108	107.4	100.7	100	
	107	112	101.9	102	
	109.8	111	102	101.8	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	9400	0	0	9160
A+B	II	24840	0	0	24460
A+B+C	III	39960	0	0	39600
A+B+C+D	IV	53840	0	0	53600
A+B+C+D+E(1)	V	68240	0	0	67860
A+B+C+D+E+(F)(1)	VI	68240	0	0	67860
B+C+D+E+(F)	VII	58760	0	0	58480
C+D+E+(F)	VIII	43460	0	0	43040
D+E+(F)	IX	28200	0	0	28060
E+(F)	X	14100	0	0	13560
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	68160	0	0	67860

<p align="center">Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2</p>	<p align="right">STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/17/2010</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	9400	VI-VII	9480	9440
Axle B	II-I	15440	VII-VIII	15300	15370
Axle C	III-II	15120	VIII-IX	15260	15190
Axle D	IV-III	13880	IX-X	14100	13990
Axle E	V-IV	14400	X-XI	14100	14250
Axle F	VI-V	0	XI	0	0
GVW	VI	68240	XII	68160	68200

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	0	XI	0	0
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	0	XI	0	0
GVW	VI	0	XII	0	0

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

	1		2		Avg.
Axle A	I	9160	VI-VII	9380	9270
Axle B	II-I	15300	VII-VIII	15440	15370
Axle C	III-II	15140	VIII-IX	14980	15060
Axle D	IV-III	14000	IX-X	14500	14250
Axle E	V-IV	14260	X-XI	13560	13910
Axle F	VI-V	0	XI	0	0
GVW	VI	67860	XII	67860	67860

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/17/2010
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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	9400	15440	15120	13880	14400	0	68240
2	9400	15300	15260	14100	14100	0	68160
Avg.	9400	15370	15190	13990	14250	0	68200

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	9160	15300	15140	14000	14260	0	67860
2	9380	15440	14980	14500	13560	0	67860
Avg.	9270	15370	15060	14250	13910	0	67860

Validation Test Truck Run Set - Pre

Measured By: Kevin Trousdale

Verified By: Dean J. Wolf

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: <u>06</u>
	SPS WIM ID: <u>060200</u>
	DATE (mm/dd/yyyy) <u>8/18/2010</u>

CALIBRATION TEST TRUCK - Primary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5

3. AXLE WEIGHTS (1000s lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		12240	0	Direct
B		17840	0	Direct
C		16480	0	Direct
D		16570	0	Direct
E		16810	0	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 79940
c. Post Test Loaded Weight: 0
d. Difference Post Test - Pre-Tests: 79940

5. TRUCK DESCRIPTION

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

b. Make: Ford
c. Model: Unknown

d. Trailer Load Distribution Description:

scrap metal loaded on pallets, in bales, and in bins loaded along trailer

photo: ☒

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

A to B 15.6 B to C 4.4 C to D 31.9 D to E 4.1 E to F 0.0

h. Wheelbase - ☐ Measured _____ ☒ Computed 56.0
i. Kingpin offset from Axle B (units) -1.3' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010
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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	295/75R22.5	steel spring	<input checked="" type="checkbox"/>
B	295/75R22.5	air	<input checked="" type="checkbox"/>
C	295/75R22.5	air	<input checked="" type="checkbox"/>
D	275/80R22.5	air	<input checked="" type="checkbox"/>
E	275/75R22.5	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
111.5	102	102.9	98.4	104.5	
103.9	99	97.8	102	102.6	
	96.2	94	97	99	
	99.1	93.3	95.9	92	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	12100	0	0	0
A+B	II	30040	0	0	0
A+B+C	III	46460	0	0	0
A+B+C+D	IV	63000	0	0	0
A+B+C+D+E(1)	V	79940	0	0	0
A+B+C+D+E+(F)(1)	VI	79940	0	0	0
B+C+D+E+(F)	VII	67560	0	0	0
C+D+E+(F)	VIII	49820	0	0	0
D+E+(F)	IX	33280	0	0	0
E+(F)	X	16680	0	0	0
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	79940	0	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) 8/18/2010</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	12100	VI-VII	12380	12240
Axle B	II-I	17940	VII-VIII	17740	17840
Axle C	III-II	16420	VIII-IX	16540	16480
Axle D	IV-III	16540	IX-X	16600	16570
Axle E	V-IV	16940	X-XI	16680	16810
Axle F	VI-V	0	XI	0	0
GVW	VI	79940	XII	79940	79940

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	0	XI	0	0
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	0	XI	0	0
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	0	XI	0	0
GVW	VI	0	XII	0	0

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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	12100	17940	16420	16540	16940	0	79940
2	12380	17740	16540	16600	16680	0	79940
Avg.	12240	17840	16480	16570	16810	0	79940

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

Validation Test Truck Run Set - Cal 1

Measured By: Kevin Trousdale

Verified By: Dean J. Wolf

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010
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CALIBRATION TEST TRUCK - Secondary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5

3. AXLE WEIGHTS (1000s lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		11930	0	Direct
B		14640	0	Direct
C		14300	0	Direct
D		12920	0	Direct
E		12740	0	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 66530
c. Post Test Loaded Weight: 0
d. Difference Post Test - Pre-Tests: 66530

5. TRUCK DESCRIPTION

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

b. Make: Peterbilt
c. Model: 379

d. Trailer Load Distribution Description:

palletized particle board loaded along trailer

photo: ☒

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

A to B 19.9 B to C 4.4 C to D 30.0 D to E 4.1 E to F 0.0

h. Wheelbase - ☐ Measured _____ ☒ Computed 58.4
i. Kingpin offset from Axle B (units) -2.2' photo: ☐

Traffic Sheet 19	STATE CODE: 06
LTPP MONITORED TRAFFIC DATA	SPS WIM ID: 060200
CALIBRATION TEST TRUCK # 2	DATE (mm/dd/yyyy) 8/18/2010

CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	275/80R22.5	steel spring	<input checked="" type="checkbox"/>
B	445/50R22.5	air	<input checked="" type="checkbox"/>
C	445/50R22.5	air	<input checked="" type="checkbox"/>
D	445/50R22.5	air	<input checked="" type="checkbox"/>
E	445/50R22.5	air	<input checked="" type="checkbox"/>
F			<input type="checkbox"/>

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

Steering	Axle B	Axle C	AxleD	AxleE	Axle F
105	105	109	101.9	101.9	
114.9	108	107.4	100.7	100	
	107	112	101.9	102	
	109.8	111	102	101.8	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11880	0	0	0
A+B	II	26500	0	0	0
A+B+C	III	40780	0	0	0
A+B+C+D	IV	53800	0	0	0
A+B+C+D+E(1)	V	66520	0	0	0
A+B+C+D+E+(F)(1)	VI	66520	0	0	0
B+C+D+E+(F)	VII	54560	0	0	0
C+D+E+(F)	VIII	39900	0	0	0
D+E+(F)	IX	25580	0	0	0
E+(F)	X	12760	0	0	0
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	66540	0	0	0

<p align="center">Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2</p>	<p align="right">STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010</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	11880	VI-VII	11960	11920
Axle B	II-I	14620	VII-VIII	14660	14640
Axle C	III-II	14280	VIII-IX	14320	14300
Axle D	IV-III	13020	IX-X	12820	12920
Axle E	V-IV	12720	X-XI	12760	12740
Axle F	VI-V	0	XI	0	0
GVW	VI	66520	XII	66540	66530

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	0	XI	0	0
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	0	XI	0	0
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	0	XI	0	0
GVW	VI	0	XII	0	0

<p align="center">Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2</p>	<p align="right">STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010</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	11880	14620	14280	13020	12720	0	66520
2	11980	14660	14320	12820	12760	0	66540
Avg.	11930	14640	14300	12920	12740	0	66530

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

Validation Test Truck Run Set - Cal 1

Measured By: Kevin Trousdale

Verified By: Dean J. Wolf

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 06
	SPS WIM ID: 060200
	DATE (mm/dd/yyyy) 8/18/2010

CALIBRATION TEST TRUCK - Primary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5

3. AXLE WEIGHTS (1000s lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		12240	12230	Direct
B		17840	17040	Direct
C		16480	17040	Direct
D		16570	16635	Direct
E		16810	16635	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 79940
c. Post Test Loaded Weight: 79580
d. Difference Post Test - Pre-Tests: 360

5. TRUCK DESCRIPTION

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

b. Make: Ford
c. Model: Unknown

d. Trailer Load Distribution Description:

scrap metal loaded on pallets, in bales, and in bins loaded along trailer

photo: ☒

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

A to B 15.6 B to C 4.4 C to D 31.9 D to E 4.1 E to F 0.0

h. Wheelbase - ☐ Measured _____ ☒ Computed 56.0
i. Kingpin offset from Axle B (units) -1.3' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010
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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	295/75R22.5	steel spring	<input checked="" type="checkbox"/>
B	295/75R22.5	air	<input checked="" type="checkbox"/>
C	295/75R22.5	air	<input checked="" type="checkbox"/>
D	275/80R22.5	air	<input checked="" type="checkbox"/>
E	275/75R22.5	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
111.5	102	102.9	98.4	104.5	
103.9	99	97.8	102	102.6	
	96.2	94	97	99	
	99.1	93.3	95.9	92	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	12100	0	0	12240
A+B	II	30040	0	0	29280
A+B+C	III	46460	0	0	46320
A+B+C+D	IV	63000	0	0	62960
A+B+C+D+E(1)	V	79940	0	0	79600
A+B+C+D+E+(F)(1)	VI	79940	0	0	79600
B+C+D+E+(F)	VII	67560	0	0	67340
C+D+E+(F)	VIII	49820	0	0	50300
D+E+(F)	IX	33280	0	0	33260
E+(F)	X	16680	0	0	16630
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	79940	0	0	79560

<p align="center">Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1</p>	<p align="right">STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010</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	12100	VI-VII	12380	12240
Axle B	II-I	17940	VII-VIII	17740	17840
Axle C	III-II	16420	VIII-IX	16540	16480
Axle D	IV-III	16540	IX-X	16600	16570
Axle E	V-IV	16940	X-XI	16680	16810
Axle F	VI-V	0	XI	0	0
GVW	VI	79940	XII	79940	79940

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	0	XI	0	0
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	0	XI	0	0
GVW	VI	0	XII	0	0

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

	1		2		Avg.
Axle A	I	12240	VI-VII	12260	12250
Axle B	II-I	17040	VII-VIII	17040	17040
Axle C	III-II	17040	VIII-IX	17040	17040
Axle D	IV-III	16640	IX-X	16630	16635
Axle E	V-IV	16640	X-XI	16630	16635
Axle F	VI-V	0	XI	0	0
GVW	VI	79600	XII	79560	79580

<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) 8/18/2010</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	12100	17940	16420	16540	16940	0	79940
2	12380	17740	16540	16600	16680	0	79940
Avg.	12240	17840	16480	16570	16810	0	79940

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	12240	17040	17040	16640	16640	0	79600
2	12220	17040	17040	16630	16630	0	79560
Avg.	12230	17040	17040	16635	16635	0	79580

Validation Test Truck Run Set - Post

Measured By: Kevin Trousdale

Verified By: Dean J. Wolf

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010
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CALIBRATION TEST TRUCK - Secondary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5

3. AXLE WEIGHTS (1000s lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		11930	11630	Direct
B		14640	14340	Direct
C		14300	14340	Direct
D		12920	12775	Direct
E		12740	12775	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 66530
c. Post Test Loaded Weight: 65860
d. Difference Post Test - Pre-Tests: 670

5. TRUCK DESCRIPTION

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

b. Make: Peterbilt
c. Model: 379

d. Trailer Load Distribution Description:

palletized particle board loaded along trailer

photo: ☒

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

A to B 19.9 B to C 4.4 C to D 30.0 D to E 4.1 E to F 0.0

h. Wheelbase - ☐ Measured _____ ☒ Computed 58.4
i. Kingpin offset from Axle B (units) -2.2' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010
--	---

CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	275/80R22.5	steel spring	<input checked="" type="checkbox"/>
B	445/50R22.5	air	<input checked="" type="checkbox"/>
C	445/50R22.5	air	<input checked="" type="checkbox"/>
D	445/50R22.5	air	<input checked="" type="checkbox"/>
E	445/50R22.5	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
105	105	109	101.9	101.9	
114.9	108	107.4	100.7	100	
	107	112	101.9	102	
	109.8	111	102	101.8	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11880	0	0	11640
A+B	II	26500	0	0	25970
A+B+C	III	40780	0	0	40300
A+B+C+D	IV	53800	0	0	53080
A+B+C+D+E(1)	V	66520	0	0	65860
A+B+C+D+E+(F)(1)	VI	66520	0	0	65860
B+C+D+E+(F)	VII	54560	0	0	54240
C+D+E+(F)	VIII	39900	0	0	39890
D+E+(F)	IX	25580	0	0	25540
E+(F)	X	12760	0	0	12770
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	66540	0	0	65860

<p align="center">Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2</p>	<p align="right">STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010</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	11880	VI-VII	11960	11920
Axle B	II-I	14620	VII-VIII	14660	14640
Axle C	III-II	14280	VIII-IX	14320	14300
Axle D	IV-III	13020	IX-X	12820	12920
Axle E	V-IV	12720	X-XI	12760	12740
Axle F	VI-V	0	XI	0	0
GVW	VI	66520	XII	66540	66530

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	0	XI	0	0
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	0	XI	0	0
GVW	VI	0	XII	0	0

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

	1		2		Avg.
Axle A	I	11640	VI-VII	11620	11630
Axle B	II-I	14330	VII-VIII	14350	14340
Axle C	III-II	14330	VIII-IX	14350	14340
Axle D	IV-III	12780	IX-X	12770	12775
Axle E	V-IV	12780	X-XI	12770	12775
Axle F	VI-V	0	XI	0	0
GVW	VI	65860	XII	65860	65860

<p align="center">Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2</p>	<p>STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010</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	11880	14620	14280	13020	12720	0	66520
2	11980	14660	14320	12820	12760	0	66540
Avg.	11930	14640	14300	12920	12740	0	66530

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
Avg.	0	0	0	0	0	0	0

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	11640	14330	14330	12780	12780	0	65860
2	11620	14350	14350	12770	12770	0	65860
Avg.	11630	14340	14340	12775	12775	0	65860

Validation Test Truck Run Set - Post

Measured By: Kevin Trousdale

Verified By: Dean J. Wolf

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/17/2010
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WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
61	9	2345	59	9	58	8	2534	56	8
57	11	2350	58	11	60	9	2548	58	9
63	8	2370	61	8	61	9	2551	62	9
62	9	2374	58	9	57	9	2555	54	9
64	9	2376	64	9	60	9	2562	57	9
59	9	2377	59	9	56	9	2568	53	9
59	11	2386	56	11	59	9	2599	55	9
59	9	2398	59	9	57	9	2603	56	9
55	9	2411	54	9	63	11	2608	60	11
58	9	2420	57	9	58	9	2614	58	9
62	5	2423	60	5	59	9	2616	57	9
59	9	2428	57	9	60	9	2622	58	9
59	9	2434	58	9	60	6	2627	58	6
56	9	2443	58	9	65	4	2630	61	5
60	9	2461	59	9	64	6	2643	59	6
59	5	2466	57	5	60	9	2646	58	9
58	9	2472	55	9	61	9	2653	60	9
56	9	2486	54	9	58	9	2661	56	9
57	9	2495	54	9	59	9	2665	57	9
54	9	2500	52	9	57	11	2671	54	11
57	11	2503	57	11	59	5	2676	56	5
55	9	2519	53	9	60	5	2682	57	5
60	9	2522	58	9	64	11	2689	60	11
60	9	2526	58	9	62	9	2696	63	9
60	9	2531	57	9	60	9	2700	58	9

Validation Test Truck Run Set - Pre

Sheet 1 - 0 to 50

Start: _____ Stop: _____

Recorded By: djw Verified By: kt

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES					STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/17/2010				
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WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
59	11	2710	57	11	65	5	2854	65	5
58	9	2717	56	9	64	9	2858	62	9
64	5	2720	63	5	62	11	2862	62	11
60	9	2723	57	9	60	9	2866	59	9
60	6	2727	58	6	56	9	2869	57	9
61	9	2731	59	9	65	9	2875	62	9
64	5	2738	66	5	59	5	2877	59	5
57	6	2742	54	6	57	9	2881	56	9
61	9	2749	59	9	62	11	2888	60	11
59	11	2751	58	11	58	9	2892	55	9
57	6	2754	56	6	67	5	2897	64	5
59	8	2761	57	8	63	5	2899	69	5
59	9	2769	56	9	62	5	2912	60	5
60	11	2773	57	11	60	9	2914	58	9
61	11	2779	59	11	59	9	2918	58	9
59	9	2786	56	9	60	9	2933	59	9
59	9	2797	58	9	57	9	2936	56	9
60	9	2802	59	9	59	11	2942	58	11
60	11	2810	58	11	67	5	2950	64	5
57	5	2818	54	5	60	9	2962	60	9
61	9	2829	57	9	59	9	2975	59	9
59	9	2836	58	9	58	11	2981	55	11
62	5	2842	59	5	65	9	2989	61	9
61	9	2845	60	9	62	9	2990	60	9
60	10	2849	59	10	59	9	2997	57	9

Validation Test Truck Run Set - Pre

Sheet 2 - 51 to 100

Start: _____ Stop: _____

Recorded By: djw Verified By: kt

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/17/2010
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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	3009	59	9					
61	11	3017	60	11					
60	11	3024	59	11					
58	6	3028	57	6					
60	9	3034	59	9					
61	9	3035	59	9					
55	9	3048	53	9					
59	9	3055	56	9					
58	9	3065	57	9					
56	11	3068	60	11					
61	11	3072	58	11					
65	8	3077	61	8					
59	9	3088	58	9					
54	9	3093	54	9					
59	11	3097	57	11					
59	5	3121	56	5					
59	9	3129	58	9					

Validation Test Truck Run Set - Pre

Sheet 101 - 150

Start: _____ Stop: _____

Recorded By: djw

Verified By: kt

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010
--	---

WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
62	8	15809	59	8	62	11	15951	61	11
60	9	15822	57	9	59	8	15956	62	8
59	9	15830	55	9	61	8	15969	61	8
65	9	15834	62	9	62	9	15979	56	9
55	5	15838	56	5	64	9	15988	61	9
59	9	15846	56	9	61	9	15999	60	9
61	9	15848	59	9	58	9	16007	55	9
59	11	15852	55	11	62	5	16047	60	5
60	9	15858	59	9	59	9	16061	55	9
62	11	15863	59	11	62	8	16067	61	8
60	11	15867	58	11	62	9	16079	59	9
61	9	15869	58	9	62	9	16084	58	9
61	6	15872	58	6	60	9	16086	59	9
62	9	15879	59	9	60	6	16091	59	6
67	4	15880	63	5	59	9	16101	58	9
64	9	15890	61	9	67	4	16108	63	5
62	9	15893	58	9	60	9	16115	59	9
62	9	15902	59	9	62	9	16129	59	9
62	9	15905	58	9	60	11	16134	59	11
60	8	15909	58	8	62	9	16135	59	9
62	9	15914	58	9	59	6	16141	56	6
57	9	15920	56	9	60	9	16146	59	9
60	9	15930	55	9	64	9	16151	65	9
62	9	15934	59	9	58	9	16160	57	9
64	9	15945	62	9	62	9	16166	60	9

Validation Test Truck Run Set - Post

Sheet 1 - 0 to 50

Start: _____ Stop: _____

Recorded By: djw Verified By: kt

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010
--	---

WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
60	8	16177	59	8	63	9	16321	61	9
62	9	16187	59	9	59	15	16327	56	7
57	11	16191	54	11	60	6	16339	58	6
57	8	16199	57	8	61	9	16342	58	9
58	9	16201	60	9	58	9	16344	55	9
58	8	16208	55	8	60	6	16349	59	6
60	11	16212	58	11	55	11	16362	53	11
62	9	16218	58	9	62	9	16365	60	9
58	9	16223	53	9	68	9	16370	64	9
59	9	16229	56	9	59	5	16373	57	5
64	9	16236	62	9	64	9	16379	62	9
60	8	16242	59	8	57	9	16383	59	9
59	9	16245	56	9	59	9	16387	56	9
62	11	16248	58	11	61	8	16391	59	5
65	11	16255	64	11	60	9	16397	60	9
60	5	16259	59	5	57	9	16402	55	9
60	9	16246	58	9	60	5	16406	58	5
62	5	16273	59	5	60	9	16409	56	9
59	9	16277	58	9	57	9	16413	61	9
69	5	16285	66	5	64	8	16419	61	8
60	9	16296	58	9	58	11	16420	55	11
64	5	16301	62	5	60	9	16426	57	9
60	9	16306	57	9	62	9	16437	60	9
62	11	16312	60	11	62	12	16448	59	12
58	9	16315	60	9	59	9	16451	57	9

Validation Test Truck Run Set - Post

Sheet 2 - 51 to 100

Start: _____ Stop: _____

Recorded By: djw Verified By: kt

Traffic Sheet 20 LTPP MONITORED TRAFFIC DATA SPEED AND CLASSIFICATION STUDIES					STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010				
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WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class	WIM speed	WIM class	WIM Record	Obs. Speed	Obs. Class
62	9	16465	60	9					
61	5	16469	59	5					
62	9	16474	60	9					
63	11	16482	61	11					
64	9	16491	61	9					
62	11	16494	59	11					
59	8	16498	56	8					
57	9	16506	55	9					
66	9	16513	62	9					
64	9	16518	71	9					
60	9	16522	58	9					
62	9	16532	59	9					
59	9	16534	55	9					
59	6	16538	56	6					
58	11	16544	59	11					
59	9	16552	57	9					
61	6	16559	58	6					
61	9	16564	59	9					
57	9	16567	58	9					
61	9	16571	62	9					

Validation Test Truck Run Set - Post

Sheet 101 - 150

Start: _____ Stop: _____

Recorded By: djw

Verified By: kt

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 06 SPS WIM ID: 060200 DATE: (mm/dd/yyyy): 8/17/2010								
--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--

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
109.0	50	2	1	12:49:13	4534	49.0	9.5	15.8	15.6	14.5	14.5		69.9	18.1	4.4	29.0	8.7	
109.0	53	1	1	12:49:26	4540	54.0	12.3	14.4	13.7	18.4	18.0		76.9	14.5	4.5	32.6	4.4	
112.5	57	2	2	12:58:39	4651	54.0	9.8	15.5	15.7	14.6	14.5		70.0	18.1	4.4	29.1	8.7	
112.5	59	1	2	12:58:58	4656	58.0	12.3	15.8	14.4	18.4	18.2		79.2	14.6	4.5	32.8	4.4	
112.8	60	1	3	13:08:51	4801	59.0	12.2	14.9	15.2	18.8	18.6		79.8	14.5	4.5	33.0	4.4	
114.1	50	2	3	13:16:50	4909	50.0	9.5	15.8	15.5	14.6	14.5		69.8	18.1	4.4	29.0	8.7	
114.1	51	1	4	13:17:58	4924	52.0	11.8	15.1	14.9	17.6	17.2		76.7	14.6	4.4	32.6	4.4	
113.5	54	2	4	13:25:58	5022	54.0	9.8	16.1	15.7	14.8	14.2		70.7	18.1	4.4	28.9	8.7	
113.5	56	1	5	13:26:50	5035	57.0	12.5	14.7	14.3	18.7	18.2		78.4	14.4	4.4	32.2	4.4	
114.5	59	2	5	13:35:04	5152	60.0	9.6	15.9	16.1	14.5	14.8		70.9	18.0	4.4	29.2	8.7	
114.5	59	1	6	13:36:15	5168	60.0	12.3	15.2	14.6	19.3	18.3		79.6	14.3	4.4	32.6	4.5	
115.3	49	2	6	13:44:30	5283	50.0	9.7	15.8	15.8	14.4	14.7		70.5	18.0	4.4	29.0	8.7	
115.3	50	1	7	13:45:10	5291	50.0	12.2	15.2	14.8	18.3	17.3		77.8	14.3	4.4	32.4	4.4	
115.9	54	2	7	13:53:35	5396	54.0	9.7	15.5	15.6	14.8	14.4		70.0	18.1	4.4	29.0	8.7	
115.9	58	1	8	13:54:06	5402	58.0	12.1	15.9	15.0	19.2	18.0		80.1	14.3	4.4	32.6	4.4	
116.3	58	2	8	14:02:39	5515	59.0	9.8	15.9	16.3	14.9	14.9		71.9	18.0	4.4	29.2	8.7	
116.4	50	2	9	14:11:40	5646	50.0	9.6	16.0	15.9	14.4	14.7		70.4	17.9	4.4	29.2	8.8	
116.4	50	1	9	14:12:12	5655	52.0	12.2	15.0	15.3	18.4	17.5		78.3	14.3	4.4	32.6	4.4	
116.9	54	2	10	14:21:28	5780	55.0	9.5	15.7	15.8	14.9	14.5		70.3	18.0	4.4	29.1	8.7	
116.9	56	1	10	14:22:24	5790	58.0	11.8	15.1	14.9	19.1	18.3		79.3	14.4	4.4	32.7	4.5	
115.2	52	2	11	15:01:24	6323	50.0	9.6	15.7	15.5	14.7	14.8		70.2	18.0	4.4	28.9	8.7	
115.2	53	1	11	15:01:39	6325	52.0	12.8	14.4	14.2	18.2	17.4		77.0	14.5	4.4	32.4	4.3	
116.2	54	2	12	15:10:38	6466	55.0	9.5	16.0	15.4	14.7	14.3		70.0	18.0	4.4	29.0	8.7	
116.2	57	1	12	15:11:05	6474	58.0	12.0	15.5	14.7	18.8	18.5		79.5	14.5	4.4	32.5	4.3	
Recorded By: <u> djw </u>										Verified By: <u> kt </u>					Run Set <u> Pre </u>			

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 06 SPS WIM ID: 060200 DATE: (mm/dd/yyyy): 8/17/2010								
--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--

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
117.2	58	2	13	15:19:54	6602	59.0	9.7	15.9	16.2	14.6	14.9		71.5	18.1	4.4	29.2	8.7	
115.0	50	2	14	15:29:08	6722	50.0	9.5	15.5	15.5	14.5	14.6		69.7	18.1	4.4	29.2	8.7	
115.0	50	1	13	15:30:09	6733	51.0	11.7	14.9	14.9	18.3	17.6		77.3	14.3	4.4	32.5	4.4	
114.7	54	2	15	15:38:29	6848	54.0	9.6	15.4	15.2	14.8	14.5		69.5	18.0	4.3	28.8	8.7	
114.7	56	1	14	15:39:43	6867	58.0	12.3	14.8	14.5	18.0	18.1		77.9	14.6	4.5	33.3	4.4	
115.4	59	2	16	15:47:43	6993	60.0	9.8	15.7	15.2	14.6	14.7		70.0	18.1	4.4	29.0	8.7	
115.4	60	1	15	15:49:03	7010	60.0	12.1	15.7	14.9	18.2	18.0		79.0	14.6	4.5	32.9	4.4	
114.3	50	2	17	15:57:03	7126	51.0	9.5	16.0	15.7	14.7	14.8		70.8	18.0	4.4	29.0	8.7	
114.3	50	1	16	15:58:38	7147	51.0	11.9	15.1	15.1	18.3	17.6		78.1	14.4	4.4	32.6	4.4	
113.6	53	2	18	16:06:05	7255	54.0	9.7	15.5	15.2	14.9	14.4		69.6	18.1	4.3	29.1	8.8	
113.6	58	1	17	16:08:29	7275	58.0	12.5	15.2	14.6	19.1	17.8		79.3	14.3	4.4	32.6	4.4	
112.9	58	2	19	16:16:36	7389	59.0	9.8	16.1	15.8	14.9	15.1		71.7	18.1	4.4	29.2	8.7	
112.9	59	1	18	16:18:02	7405	60.0	12.3	15.1	14.8	18.6	18.8		79.5	14.5	4.5	32.9	4.4	
111.6	50	2	20	16:26:13	7531	50.0	9.6	15.8	15.4	14.5	14.6		69.9	18.1	4.4	29.0	8.7	
111.6	50	1	19	16:27:12	7547	50.0	12.5	14.6	14.7	18.0	17.7		77.4	14.3	4.4	32.6	4.4	
111.2	53	2	21	16:35:42	7655	54.0	9.6	15.3	15.6	14.7	14.3		69.5	18.1	4.4	29.2	8.7	
111.2	55	1	20	16:36:57	7677	58.0	11.8	14.7	14.8	18.5	18.3		78.0	14.6	4.5	32.9	4.4	

Recorded By: djw

Verified By: kt

Run Set Pre

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 06 SPS WIM ID: 060200 DATE: (mm/dd/yyyy): 8/18/2010								
--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--

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
113.9	50	2	1	15:14:08	20477	50.0	11.6	14.3	14.4	12.7	13.1		66.1	19.8	4.4	30.1	4.1	
113.9	51	1	1	15:14:51	20488	51.0	12.7	17.2	16.7	16.5	16.8		80.0	15.7	4.4	31.9	4.1	
110.1	54	2	2	15:23:32	20612	54.0	11.9	14.6	14.0	13.0	13.4		66.9	19.8	4.4	29.8	4.1	
113.0	55	1	2	15:24:16	20625	55.0	12.3	17.1	16.7	16.4	16.9		79.4	15.6	4.4	31.7	4.2	
113.0	60	2	3	15:33:15	20764	60.0	11.6	14.3	14.7	11.8	13.0		65.4	19.8	4.4	30.0	4.0	
112.5	61	1	3	15:34:32	20786	61.0	11.8	18.0	16.1	16.3	17.2		79.5	15.5	4.4	31.7	4.1	
112.5	50	2	4	15:42:22	20906	50.0	11.6	14.4	14.1	12.5	13.2		65.8	19.8	4.3	29.9	4.1	
112.0	51	1	4	15:43:44	20928	51.0	12.1	16.9	16.2	16.8	16.7		78.6	15.6	4.4	31.8	4.1	
112.0	54	2	5	15:51:30	21050	54.0	11.6	14.4	14.3	13.1	13.5		66.8	19.8	4.4	30.0	4.1	
113.0	54	1	5	15:52:37	21070	55.0	12.3	17.8	16.4	16.7	16.7		80.0	15.5	4.4	31.7	4.2	
113.0	60	2	6	16:00:34	21195	60.0	12.0	14.7	14.7	12.0	13.7		67.1	19.7	4.4	30.3	4.1	
111.3	62	1	6	16:01:22	21205	62.0	12.0	17.8	16.3	16.4	16.6		79.2	15.7	4.5	32.0	4.2	
104.3	49	2	7	17:04:01	22102	49.0	11.8	14.3	14.2	13.2	13.2		66.9	19.8	4.4	30.1	4.1	
104.8	52	1	7	17:04:29	22111	52.0	11.8	18.2	16.3	16.6	16.9		79.8	15.7	4.5	32.1	4.2	
104.8	55	1	8	17:14:44	22264	56.0	12.0	17.4	17.0	16.3	16.4		79.0	15.7	4.4	31.9	4.1	
103.3	59	2	8	17:23:20	22394	60.0	11.6	14.4	14.5	12.4	13.0		66.1	19.9	4.5	30.2	4.1	
103.3	61	1	9	17:24:39	22415	62.0	11.9	17.2	17.0	16.2	16.5		78.6	15.7	4.4	31.9	4.2	
102.1	55	2	9	17:32:44	22528	55.0	12.0	14.2	14.4	13.1	13.4		67.1	20.0	4.4	30.3	4.1	
102.1	50	1	10	17:33:34	22545	51.0	12.0	17.6	16.6	16.2	16.7		79.1	15.7	4.5	32.1	4.1	
101.3	59	2	10	17:41:58	22665	59.0	12.1	14.7	15.2	12.4	14.0		68.2	19.6	4.5	30.2	4.1	
101.3	54	1	11	17:43:07	22680	55.0	11.9	18.1	16.2	16.5	16.8		79.5	15.6	4.4	31.8	4.1	
99.2	61	1	12	17:52:56	22823	62.0	11.3	17.5	16.1	16.3	16.2		77.4	15.7	4.4	32.0	4.2	
97.4	49	2	11	18:00:47	22917	49.0	11.7	14.5	14.2	12.7	13.3		66.4	19.9	4.4	30.0	4.1	
97.4	52	1	13	18:02:09	22931	53.0	12.1	17.2	16.1	16.4	16.5		78.6	15.7	4.5	32.1	4.2	

Recorded By: djw

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): 8/18/2010								
--	--	--	--	--	--	--	--	--	--	---	--	--	--	--	--	--	--	--

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
97.3	54	2	12	18:10:00	23031	55.0	11.9	14.4	14.2	13.2	13.4		67.1	19.9	4.4	30.1	4.1	
97.3	54	1	14	18:11:02	23044	56.0	12.3	17.8	16.8	16.4	16.8		80.1	15.7	4.4	32.0	4.1	
90.9	62	2	13	19:01:52	23657	60.0	11.4	14.3	14.6	12.2	12.8		65.4	19.8	4.4	30.1	4.1	
90.9	61	1	15	19:02:29	23665	62.0	12.1	17.3	17.2	16.7	16.4		79.6	15.8	4.4	32.0	4.2	
88.8	50	2	14	19:10:43	23738	50.0	11.9	14.4	14.5	12.8	13.1		66.8	20.0	4.4	30.3	4.1	
88.8	53	1	16	19:11:37	23748	52.0	12.1	17.1	16.7	16.6	16.6		79.1	15.7	4.4	31.9	4.2	
88.5	55	2	15	19:19:39	23822	55.0	11.6	14.5	14.1	12.8	14.2		67.4	19.8	4.4	30.2	4.1	
88.5	56	1	17	19:20:13	23827	57.0	12.0	17.6	17.0	17.0	16.6		80.2	15.7	4.5	32.1	4.2	
87.0	59	2	16	19:28:31	23909	60.0	11.5	14.4	14.4	12.1	12.6		64.9	19.9	4.4	30.0	4.1	
87.0	60	1	18	19:29:05	23914	60.0	11.5	18.3	15.8	16.4	17.0		78.9	15.8	4.5	32.2	4.2	
86.8	50	2	17	19:37:55	23996	49.0	11.7	14.3	14.3	12.8	13.2		66.4	19.8	4.4	29.9	4.1	
86.8	51	1	19	19:38:44	24004	53.0	12.0	17.3	16.7	16.5	17.1		79.4	15.8	4.5	32.2	4.2	
85.3	55	2	18	19:47:11	24078	55.0	11.6	14.7	14.2	13.5	13.9		67.9	19.9	4.3	29.9	4.2	
85.3	56	1	20	19:47:42	24085	56.0	12.0	17.0	16.7	16.3	16.5		78.5	15.7	4.4	32.0	4.1	
84.2	59	2	19	19:56:52	24172	60.0	11.6	14.5	14.7	12.8	13.0		66.7	19.9	4.4	30.2	4.1	
84.2	59	1	21	19:56:58	24177	61.0	12.3	17.0	16.2	16.9	17.0		79.5	15.7	4.4	31.9	4.2	

Recorded By: djw

Verified By: kt

Run Set Post

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE:	06
	SPS WIM ID:	060200
	STATE ASSIGNED ID	60200
	DATE (mm/dd/yyyy)	8/18/2010

SITE EQUIPMENT INFORMATION

1. TYPE OF EQUIPMENT BOTH
2. LANE NUMBER ON SITE 1 3. DIRECTION ON SITE north
4. VENDOR IRD MODEL SERIAL#
5. WEIGHING SENSOR TYPE bending plate
6. SYSTEM SOFTWARE VERSIONS:

CPU

LOOP

PIEZO

WEIGHTPAD/ LOADCELL

COMMUNICATIONS WCU-II

7. CLASSIFICATION VIDEO:

TIME FROM: 9:59:39 TO: 11:00:02
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.

None

<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 60200 DATE (mm/dd/yyyy) 8/18/2010</p>
--	---

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

None

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.

None

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

Tape Filename: 060200_per_val_sheet_20_video
Time: From: 9:59:39 To: 11:00:02

<p align="center">Traffic Sheet 22</p> <p align="center">LTPP MONITORED TRAFFIC DATA</p> <p align="center">SITE EQUIPMENT ASSESSMENT</p> <p align="center">LTPP LANE ONLY</p>	<p>STATE CODE: 06</p> <p>SPS WIM ID: 060200</p> <p>STATE ASSIGNED ID 60200</p> <p>DATE (mm/dd/yyyy) 8/18/2010</p>
---	---

11. CLASSIFICATION VERIFICATION VIDEO:

TAPE 1- NAME: _____

Interval	Filename	From	To
1		9:59:39	11:00:02
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 60200 DATE (mm/dd/yyyy) 8/18/2010
--	--

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>58.7</u>	mph	Average WIM Speed	<u>60.8</u>	mph
Mean Difference	<u>2.1</u>	mph	SD of mean	<u>1.8</u>	
Posted Speed Limit		<u>55</u>	mph		
Speed Range	15th percentile -	<u>58</u>	mph	85th percentile-	<u>64</u> mph

Spacing and Weight - Complete Sheet 21 and attach.

Average distance between axles of drive tandem feet
% error from 4.25 ft (industry average) OR 4.42 ft (WIM system average)
= 3.9 %

Average front axle weight for Class 9 vehicles lbs
% error from 10.3 kips (industry average) OR 11.9 lbs (known site value)
= 15.3 %

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 ☒

Pull Boxes None ☒

Mast None ☐

Solar Panels None ☐

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE:	06
	SPS WIM ID:	060200
	STATE ASSIGNED ID	60200
	DATE (mm/dd/yyyy)	8/18/2010

Telephone D-Mark Box None ☒

Power Service Box None ☒

Grounding None ☒

Conduit None ☒

STATIC AND DYNAMIC ELECTRONIC EQUIPMENT TESTS

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

ADDITIONAL COMMENTS

Assessor _____ Dean J. Wolf

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	60200
	DATE (mm/dd/yyyy)	8/18/2010

STATIC EQUIPMENT VALUES (SYSTEM OFF)

1. POWER

a. Solar Panel	<u>160</u>	WATTS	<u>18.3</u>	VDC
b. Equipment Power		VAC	<u>13.9</u>	VDC
c. Battery 1	<u>13.9</u>	VDC		
d. Battery 2		VDC		
e. Regulated	<u>13.9</u>	VDC		
f. Power Supply		VDC		VDC
g. System Input		VAC	<u>13.9</u>	VDC
h. Modem Power		VAC	<u>13.9</u>	VDC
i. Telephone		VDC		

2. LOOP SENSORS

	Resistance		Inductance		Shield	
a. Leading	<u>1.8</u>	Ω	<u>130.0</u>	μh	<u>inf</u>	M Ω
b. Trailing	<u>0.9</u>	Ω	<u>128.6</u>	μh	<u>inf</u>	M Ω

3. WEIGHPAD SENSORS

	Input		Output		Shield	
a. Leading	<u>983</u>	Ω	<u>844</u>	Ω	<u>inf</u>	Ω
b. Trailing	<u>982</u>	Ω	<u>844</u>	Ω	<u>inf</u>	Ω

DYNAMIC EQUIPMENT VALUES (SYSTEM ON)

4. LOOP SENSORS

	Frequency	
a. Leading	<u>21.4</u>	KHz
b. Trailing	<u>19.8</u>	KHz

5. WEIGHPAD SENSORS

	Zero Point	
a. Leading	<u>-0.3</u>	mV
b. Trailing	<u>-0.2</u>	mV

Assessor _____ Dean J. Wolf

<p align="center">Traffic Sheet 24B LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Test Trucks</p>	<p align="right">STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010</p>
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Item	Description	Filename
1	Tractor, Truck #1	060200_Truck_1_Tractor_08_17_10.jpg
2	Trailer/Load, Truck #1	060200_Truck_1_Trailer_08_17_10.jpg
3	Kingpin Offset, Truck #1	
4	Suspension A, Truck #1	060200_Truck_1_Suspension_1_08_17_10.jpg
5	Suspension B, Truck #1	060200_Truck_1_Suspension_2_08_17_10.jpg
6	Suspension C, Truck #1	060200_Truck_1_Suspension_3_08_17_10.jpg
7	Suspension D, Truck #1	060200_Truck_1_Suspension_4_08_17_10.jpg
8	Suspension E, Truck #1	060200_Truck_1_Suspension_5_08_17_10.jpg
9	Suspension F, Truck #1	
10	Tractor, Truck #2	060200_Truck_2_Tractor_08_17_10.jpg
11	Trailer/Load, Truck #2	060200_Truck_2_Trailer_08_17_10.jpg
12	Kingpin Offset, Truck #2	
13	Suspension A, Truck #2	060200_Truck_2_Suspension_1_08_17_10.jpg
14	Suspension B, Truck #2	060200_Truck_2_Suspension_2_08_17_10.jpg
15	Suspension C, Truck #2	060200_Truck_2_Suspension_3_08_17_10.jpg
16	Suspension D, Truck #2	060200_Truck_2_Suspension_4_08_17_10.jpg
17	Suspension E, Truck #2	060200_Truck_2_Suspension_5_08_17_10.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

Traffic Sheet 24A LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Equipment	STATE CODE: 06 SPS WIM ID: 060200 DATE (mm/dd/yyyy) 8/18/2010
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Item	Description	Filename
1	Power Source	060200_solar_panel_08_17_10.jpg
2	Telephone Source	060200_cellular_phone_08_17_10.jpg
3	Cabinet Exterior	060200_cabinet_exterior_08_17_10.jpg
4	Cabinet Interior	060200_cabinet_interior_front_08_17_10.jpg
5	Leading weight sensor	060200_leading_bending_plate_08_17_10.jpg
6	Trailing weight sensor	060200_trailing_bending_plate_08_17_10.jpg
7	Leading classification sensor	
8	Trailing classification sensor	
9	Leading loop sensor	060200_leading_loop_08_17_10.jpg
10	Trailing loop sensor	060200_trailing_loop_08_17_10.jpg
11	Downstream from site	060200_downstream_08_17_10.jpg
12	Upstream from site	060200_upstream_08_17_10.jpg
13	Cabinet Interior - Rear	060200_cabinet_interior_rear_08_17_10.jpg
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

RECORDED BY: _____ Dean J. Wolf

