Traffic Sheet 17 LTPP MONITORED TRAFFIC DATA WIM SITE INVENTORY	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

1. ROUTE: US-23 **MILEPOST:** 19.7 **LTPP DIRECTION:** north

2. WIM SITE DESCRIPTION

Grade: <1% Sag Vertical: N
Nearest Upstream SPS Section: 390161
Distance from sensors to SPS Section: 312 ft

3. LANE CONFIGURATION

Lanes in LTPP direction: 2 Median: 3 - grass
Lane width: 12' Shoulder: 3 - paved PCC
Shoulder width: 10'

4. PAVEMENT TYPE

5. PAVEMENT SURFACE CONDITION - Distress Survey

Date: 9/28/10 Photo Filename: 390100_upstream_09_28_10.jpg
Date: 9/28/10 Photo Filename: 390100_downstream_09_28_10.jpg
Date: Photo Filename:

6. SENSOR SEQUENCE

Loop - 2 Load Cells

7. REPLACEMENT AND/OR GRINDING

Date:
Date:
Date:

8. RAMPS OR INTERSECTIONS

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

9. DRAINAGE

Drainage *(bending plate and load cell)* : 1 - Open to Ground
Clearance under plate (in.): 8"
Clearance /access to flush fines from under system: N

Traffic Sheet 17 LTPP MONITORED TRAFFIC DATA WIM SITE INVENTORY	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

10. CABINET LOCATION

Same side of road as LTPP lane: Y
Distance from edge of traveled lane: 25 ft
distance from system: 95 ft
type: 3B

Cabinet access controlled by: Agency
Contact name: Lindsey Pflum Phone # 614-752-4057
Alternate name: Dave Gardner Phone # 614-752-5740

11. POWER

Distance to cabinet from drop: 10 ft
Type: AC
AC in cabinet? Y
Service provider: Amer. Elec. Power Phone #

12. TELEPHONE

Distance to cabinet from drop: 650 ft
Type: landline
Service provider: Verizon Phone #

13. SYSTEM

Software and version no.
Computer connection: RS-232

14. TEST TRUCK TURNAROUND TIME

Duration: 12 minutes Distance: 6.2 miles

15. PHOTOS

	Filename
Power source:	390100_power_box_09_28_10.jpg
Phone source:	390100_telephone_pedestal_09_28_10.jpg
Cabinet exterior:	390100_cabinet_exterior_09_28_10.jpg
Cabinet interior:	390100_cabinet_interior_09_28_10.jpg
Weight sensors:	390100_leading_load cell_09_28_10.jpg
	390100_trailing_load cell_09_28_10.jpg
Other sensors:	390100_leading_loop_09_28_10.jpg
	0
Downstream from sensors on LTPP lane:	390100_downstream_09_28_10.jpg
Upstream from sensors on LTPP lane:	390100_upstream_09_28_10.jpg

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

1. DATA PROCESSING

a. Download: State only

b. Data review: State per LTPP guidelines
If state, how often? Weekly

c. Data submission LTPP
If state how often?

2. EQUIPMENT

a. Purchase State

b. Installation Included with purchase

c. Maintenance Separate contract State
Expiration Date

d. Calibration LTPP

e. Manuals and software control: State

f. Power
i. Type Underground ii. Payment State

g. Communication
i. Type Landline ii. Payment State

3. PAVEMENT

a. Type Portland Concrete Cement

b. Allowable Rehabilitation activities Grinding and maintenance as needed

c. Profile Site Markings Temporary

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

4. Onsite Activities

a. WIM Validation Check advance notice required

14 Days _____ Weeks

b. Notice for straightedge and grinding check

14 Days _____ Weeks

i. On site lead State

ii. Accept grinding State

c. Authorization to calibrate site State

d. Calibration routine LTPP annually

Other: _____

e. Test Vehicle Responsibilities

i. Trucks

1st-	Air suspension 3S2	LTPP
2nd-	Air Suspension 3S2	LTPP
3rd-		
4th-		

ii. Loads LTPP

iii. Drivers LTPP

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

g. Access to cabinet State only

h. State personel required on site Yes

i. Traffic control required No

J. Enforcement coordination required No

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

5. SITE SPECIFIC CONDITIONS

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

6. CONTACTS

a. Equipment (operational status, access, etc.)
Name Lindsey Pflum Phone # 614-752-4057
Agency Ohio DOT

b. Maintenance (equipment)
Name Lindsey Pflum Phone # 614-752-4057
Agency Ohio DOT

c. Data Processing and pre-visit data
Name Lindsey Pflum Phone # 614-752-4057
Agency Ohio DOT

d. Construction schedule and verification
Name _____ Phone # _____
Agency _____

e. Test Vehicles (trucks, loads, drivers)
Name _____ Phone # _____
Agency _____

f. Traffic control
Name _____ Phone # _____
Agency _____

g. Enforcement coordination
Name _____ Phone # _____
Agency _____

h. Nearest static scale
Name CAT Scale Location: I-71 exit 131
Phone: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

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		11020	10890	Direct
B		15680	15495	Direct
C		15680	15495	Direct
D		16465	16450	Direct
E		16465	16450	Direct
F		0	0	

4. **GVW (same units as axles)**
   - a. Empty GVW:
   - b. Average Pre-Test Loaded weight: 75310
   - c. Post Test Loaded Weight: 74780
   - d. Difference Post Test - Pre-Tests: 530

5. **TRUCK DESCRIPTION**
   - a. Tractor Cab Style: Conventional Sleeper Cab: No
     photo: ☑
   - b. Make: Kenworth
   - c. Model: T800
   - d. Trailer Load Distribution Description:
     forklifts over front half of trailer and crane weight over rear tandem
     photo: ☑
   - e. Tractor Tare weight - -
   - f. Trailer Tare weight - -
   - g. Axle Spacing -

A to B 13.6 B to C 4.2 C to D 37.2 D to E 4.0 E to F 0.0

   - h. Wheelbase - ☐ Measured ☑ Computed 59.0
   - i. Kingpin offset from Axle B (units) 1.4' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R24.5	steel spring	☑
B	11R24.5	air	☑
C	11R24.5	air	☑
D	10R17.5	air	☑
E	10R17.5	air	☑
F			☐

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
101.2	99.5	99.1	115.6	115.2	
101.3	99.5	103	109.8	59.4	
	99.3	77.1	132	106.7	
	100.5	102.8	112.5	113.4	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11180	0	0	10920
A+B	II	26750	0	0	26400
A+B+C	III	42320	0	0	41880
A+B+C+D	IV	58820	0	0	58340
A+B+C+D+E(1)	V	75320	0	0	74800
A+B+C+D+E+(F)(1)	VI	75320	0	0	74800
B+C+D+E+(F)	VII	64440	0	0	63900
C+D+E+(F)	VIII	48650	0	0	48390
D+E+(F)	IX	32860	0	0	32880
E+(F)	X	16430	0	0	16440
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	75300	0	0	74760

Traffic Sheet 19	STATE CODE:	39
LTPP MONITORED TRAFFIC DATA	SPS WIM ID:	390200
CALIBRATION TEST TRUCK # 1	DATE (mm/dd/yyyy)	9/28/2010

CALIBRATION TEST TRUCK - Primary

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

	1		2		Avg.
Axle A	I	11180	VI-VII	10880	11030
Axle B	II-I	15570	VII-VIII	15790	15680
Axle C	III-II	15570	VIII-IX	15790	15680
Axle D	IV-III	16500	IX-X	16430	16465
Axle E	V-IV	16500	X-XI	16430	16465
Axle F	VI-V	0	XI	0	0
GVW	VI	75320	XII	75300	75310

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	10920	VI-VII	10900	10910
Axle B	II-I	15480	VII-VIII	15510	15495
Axle C	III-II	15480	VIII-IX	15510	15495
Axle D	IV-III	16460	IX-X	16440	16450
Axle E	V-IV	16460	X-XI	16440	16450
Axle F	VI-V	0	XI	0	0
GVW	VI	74800	XII	74760	74780

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

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	11180	15570	15570	16500	16500	0	75320
2	10860	15790	15790	16430	16430	0	75300
Avg.	11020	15680	15680	16465	16465	0	75310

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	10920	15480	15480	16460	16460	0	74800
2	10860	15510	15510	16440	16440	0	74760
Avg.	10890	15495	15495	16450	16450	0	74780

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: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

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		10410	10180	Direct
B		14350	14255	Direct
C		14350	14255	Direct
D		13530	13475	Direct
E		13530	13475	Direct
F		0	0	

4. **GVW (same units as axles)**
   - a. Empty GVW:
   - b. Average Pre-Test Loaded weight: 66170
   - c. Post Test Loaded Weight: 65640
   - d. Difference Post Test - Pre-Tests: 530

5. **TRUCK DESCRIPTION**
   - a. Tractor Cab Style: Cab Over Engine Sleeper Cab: No
     photo: ☑
   - b. Make: Kenworth
   - c. Model: unknown
   - d. Trailer Load Distribution Description:
     crane weights over each tandem
     photo: ☑
   - e. Tractor Tare weight - _____ - _____
   - f. Trailer Tare weight - _____ - _____
   - g. Axle Spacing - _____

A to B 13.0 B to C 4.3 C to D 32.0 D to E 4.0 E to F 0.0

   - h. Wheelbase - ☐ Measured _____ ☑ Computed 53.3
   - i. Kingpin offset from Axle B (units) 1.7' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R24.5	steel spring	☑
B	11R24.5	air	☑
C	11R24.5	air	☑
D	10R17.5	air	☑
E	10R17.5	air	☑
F			☐

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
108.1	103.4	100.4	100	113.4	
101.7	103.4	103.2	101	113.2	
	66.4	99.9	113.0	110	
	99.9	97.2	120	115.5	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	10420	0	0	10180
A+B	II	24760	0	0	24440
A+B+C	III	39100	0	0	38700
A+B+C+D	IV	52630	0	0	52180
A+B+C+D+E(1)	V	66160	0	0	65660
A+B+C+D+E+(F)(1)	VI	66160	0	0	65660
B+C+D+E+(F)	VII	55780	0	0	55440
C+D+E+(F)	VIII	41420	0	0	41190
D+E+(F)	IX	27060	0	0	26940
E+(F)	X	13530	0	0	13470
(F)	XI		0	0	0
A+B+C+D+E+(F)(2)	XII	66180	0	0	65620

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/28/2010

CALIBRATION TEST TRUCK - Secondary

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

	1		2		Avg.
Axle A	I	10420	VI-VII	10380	10400
Axle B	II-I	14340	VII-VIII	14360	14350
Axle C	III-II	14340	VIII-IX	14360	14350
Axle D	IV-III	13530	IX-X	13530	13530
Axle E	V-IV	13530	X-XI	13530	13530
Axle F	VI-V	0	XI	0	0
GVW	VI	66160	XII	66180	66170

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	10180	VI-VII	10220	10200
Axle B	II-I	14260	VII-VIII	14250	14255
Axle C	III-II	14260	VIII-IX	14250	14255
Axle D	IV-III	13480	IX-X	13470	13475
Axle E	V-IV	13480	X-XI	13470	13475
Axle F	VI-V	0	XI	0	0
GVW	VI	65660	XII	65620	65640

Traffic Sheet 19	STATE CODE:	39
LTPP MONITORED TRAFFIC DATA	SPS WIM ID:	390200
CALIBRATION TEST TRUCK # 2	DATE (mm/dd/yyyy)	9/28/2010

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	10420	14340	14340	13530	13530	0	66160
2	10400	14360	14360	13530	13530	0	66180
Avg.	10410	14350	14350	13530	13530	0	66170

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	10180	14260	14260	13480	13480	0	65660
2	10180	14250	14250	13470	13470	0	65620
Avg.	10180	14255	14255	13475	13475	0	65640

Validation Test Truck Run Set - Pre

Measured By: Kevin Trousdale

Verified By: Dean Wolf

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/29/2010

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		11050	10820	Direct
B		15630	15560	Direct
C		15630	15560	Direct
D		16440	16405	Direct
E		16440	16405	Direct
F		0	0	

4. **GVW (same units as axles)**
   - a. Empty GVW:
   - b. Average Pre-Test Loaded weight: 75190
   - c. Post Test Loaded Weight: 74750
   - d. Difference Post Test - Pre-Tests: 440

5. **TRUCK DESCRIPTION**
   - a. Tractor Cab Style: Conventional Sleeper Cab: No
     photo: ☑
   - b. Make: Kenworth
   - c. Model: T800
   - d. Trailer Load Distribution Description:
     forklifts over front half of trailer and crane weight over rear tandem
     photo: ☑
   - e. Tractor Tare weight - _____ - _____
   - f. Trailer Tare weight - _____ - _____
   - g. Axle Spacing - _____

A to B 13.6 B to C 4.2 C to D 37.2 D to E 4.0 E to F 0.0

   - h. Wheelbase - ☐ Measured _____ ☑ Computed 59.0
   - i. Kingpin offset from Axle B (units) 1.4' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/29/2010

CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R24.5	steel spring	☑
B	11R24.5	air	☑
C	11R24.5	air	☑
D	10R17.5	air	☑
E	10R17.5	air	☑
F			☐

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
101.2	99.5	99.1	115.6	115.2	
101.3	99.5	103	109.8	59.4	
	99.3	77.1	132	106.7	
	100.5	102.8	112.5	113.4	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11000	0	0	10840
A+B	II	26660	0	0	26380
A+B+C	III	42320	0	0	41920
A+B+C+D	IV	58750	0	0	58330
A+B+C+D+E(1)	V	75180	0	0	74740
A+B+C+D+E+(F)(1)	VI	75180	0	0	74740
B+C+D+E+(F)	VII	64100	0	0	63960
C+D+E+(F)	VIII	48500	0	0	48380
D+E+(F)	IX	32900	0	0	32800
E+(F)	X	16450	0	0	16400
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	75200	0	0	74760

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/29/2010

CALIBRATION TEST TRUCK - Primary

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

	1		2		Avg.
Axle A	I	11000	VI-VII	11080	11040
Axle B	II-I	15660	VII-VIII	15600	15630
Axle C	III-II	15660	VIII-IX	15600	15630
Axle D	IV-III	16430	IX-X	16450	16440
Axle E	V-IV	16430	X-XI	16450	16440
Axle F	VI-V	0	XI	0	0
GVW	VI	75180	XII	75200	75190

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	10840	VI-VII	10780	10810
Axle B	II-I	15540	VII-VIII	15580	15560
Axle C	III-II	15540	VIII-IX	15580	15560
Axle D	IV-III	16410	IX-X	16400	16405
Axle E	V-IV	16410	X-XI	16400	16405
Axle F	VI-V	0	XI	0	0
GVW	VI	74740	XII	74760	74750

Traffic Sheet 19	STATE CODE:	39
LTPP MONITORED TRAFFIC DATA	SPS WIM ID:	390200
CALIBRATION TEST TRUCK # 1	DATE (mm/dd/yyyy)	9/29/2010

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	11000	15660	15660	16430	16430	0	75180
2	11100	15600	15600	16450	16450	0	75200
Avg.	11050	15630	15630	16440	16440	0	75190

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	10840	15540	15540	16410	16410	0	74740
2	10800	15580	15580	16400	16400	0	74760
Avg.	10820	15560	15560	16405	16405	0	74750

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: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/29/2010

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		10350	10180	Direct
B		14360	14265	Direct
C		14360	14265	Direct
D		13470	13445	Direct
E		13470	13445	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW:
b. Average Pre-Test Loaded weight: 66010
c. Post Test Loaded Weight: 65600
d. Difference Post Test - Pre-Tests: 410

5. TRUCK DESCRIPTION

a. Tractor Cab Style: Cab Over Engine Sleeper Cab: No
photo: ☑

b. Make: Kenworth
c. Model: unknown

d. Trailer Load Distribution Description:
crane weights over each tandem
photo: ☑

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

A to B 13.0 B to C 4.3 C to D 32.0 D to E 4.0 E to F 0.0

h. Wheelbase - ☐ Measured _____ ☑ Computed 53.3
i. Kingpin offset from Axle B (units) 1.7' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/29/2010

CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R24.5	steel spring	☑
B	11R24.5	air	☑
C	11R24.5	air	☑
D	10R17.5	air	☑
E	10R17.5	air	☑
F			☐

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
108.1	103.4	100.4	100	113.4	
101.7	103.4	103.2	101	113.2	
	66.4	99.9	113.0	110	
	99.9	97.2	120	115.5	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	10340	0	0	10160
A+B	II	24700	0	0	24440
A+B+C	III	39060	0	0	38720
A+B+C+D	IV	52520	0	0	52160
A+B+C+D+E(1)	V	65980	0	0	65600
A+B+C+D+E+(F)(1)	VI	65980	0	0	65600
B+C+D+E+(F)	VII	55680	0	0	55400
C+D+E+(F)	VIII	41320	0	0	41150
D+E+(F)	IX	26960	0	0	26900
E+(F)	X	13480	0	0	13450
(F)	XI		0	0	0
A+B+C+D+E+(F)(2)	XII	66040	0	0	65600

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyyy) 9/29/2010

CALIBRATION TEST TRUCK - Secondary

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

	1		2		Avg.
Axle A	I	10340	VI-VII	10300	10320
Axle B	II-I	14360	VII-VIII	14360	14360
Axle C	III-II	14360	VIII-IX	14360	14360
Axle D	IV-III	13460	IX-X	13480	13470
Axle E	V-IV	13460	X-XI	13480	13470
Axle F	VI-V	0	XI	0	0
GVW	VI	65980	XII	66040	66010

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	10160	VI-VII	10200	10180
Axle B	II-I	14280	VII-VIII	14250	14265
Axle C	III-II	14280	VIII-IX	14250	14265
Axle D	IV-III	13440	IX-X	13450	13445
Axle E	V-IV	13440	X-XI	13450	13445
Axle F	VI-V	0	XI	0	0
GVW	VI	65600	XII	65600	65600

Traffic Sheet 19	STATE CODE:	39
LTPP MONITORED TRAFFIC DATA	SPS WIM ID:	390200
CALIBRATION TEST TRUCK # 2	DATE (mm/dd/yyyy)	9/29/2010

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	10340	14360	14360	13460	13460	0	65980
2	10360	14360	14360	13480	13480	0	66040
Avg.	10350	14360	14360	13470	13470	0	66010

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	10160	14280	14280	13440	13440	0	65600
2	10200	14250	14250	13450	13450	0	65600
Avg.	10180	14265	14265	13445	13445	0	65600

Validation Test Truck Run Set - Post

Measured By: Kevin Trousdale

Verified By: Dean Wolf

Traffic Sheet 21 (Wheel Load)
LTPP MONITORED TRAFFIC DATA
WIM SYSTEM TRUCK RECORDS

STATE CODE: 39
SPS WIM ID: 390200
DATE: (mm/dd/yyyy): 9/28/2010

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
53.6	44	1	1	8:06:25	4810	43.0	10.8	15.3	14.7	16.3	16.3		73.4	13.3	4.2	36.5	3.9	
53.6	45	2	1	8:10:08	4910	45.0	9.7	14.7	14.7	13.9	13.8		66.8	12.8	4.2	31.4	3.9	
53.9	48	1	2	8:21:15	5229	48.0	10.1	16.3	15.9	17.0	17.1		76.1	13.3	4.3	36.8	4.0	
53.9	50	2	2	8:30:05	5426	50.0	10.1	14.0	14.2	13.9	13.3		65.5	13.0	4.2	31.5	4.0	
53.4	43	1	3	8:37:09	5606	43.0	10.8	15.1	14.8	16.7	16.3		73.7	13.3	4.2	36.5	3.9	
53.4	55	2	3	8:43:22	5747	55.0	9.4	14.6	14.4	14.0	13.6		66.0	13.1	4.3	31.8	4.1	
53.2	43	1	4	8:51:31	5940	43.0	10.5	15.1	15.0	16.9	16.1		73.6	13.4	4.2	36.5	3.9	
53.2	46	2	4	8:59:39	6123	46.0	10.0	14.6	14.6	14.2	13.6		67.0	13.1	4.2	31.5	4.0	
54.5	48	1	5	9:05:23	6264	48.0	10.4	16.4	15.6	16.7	16.8		75.9	13.2	4.2	36.4	4.0	
54.5	49	1	6	9:19:24	6611	49.0	10.3	16.0	15.7	16.6	16.5		75.1	13.4	4.3	36.8	4.0	
55.6	54	2	5	9:28:20	6845	55.0	9.5	14.2	14.6	14.2	13.6		66.1	13.1	4.2	31.5	4.0	
55.6	52	1	7	9:34:23	6992	52.0	10.2	15.3	15.4	16.3	16.2		73.4	13.3	4.2	36.7	4.0	
56.4	50	2	6	9:41:05	7183	50.0	10.1	14.1	14.2	13.9	13.3		65.6	13.1	4.2	31.9	4.0	
56.4	43	1	8	9:48:25	7336	43.0	10.8	15.1	14.7	16.9	16.1		73.6	13.4	4.2	36.6	3.9	
55.8	50	2	7	9:55:22	7498	51.0	9.9	13.9	14.3	14.1	13.1		65.3	13.1	4.2	31.7	4.0	
55.8	48	1	9	10:01:31	7626	48.0	10.5	16.0	15.7	16.8	16.6		75.6	13.4	4.3	36.9	4.0	
55.1	55	2	8	10:11:41	7824	55.0	9.4	14.7	14.8	14.0	13.6		66.5	12.9	4.2	31.7	4.0	
55.1	44	1	10	10:15:42	7910	43.0	10.8	15.2	14.7	16.3	16.4		73.4	13.3	4.2	36.3	3.9	
55.4	45	2	9	10:25:09	8103	45.0	9.9	14.7	14.6	14.0	13.9		67.1	13.0	4.2	31.5	4.0	
55.4	49	1	11	10:30:27	8210	48.0	10.4	16.0	15.5	16.6	16.7		75.2	13.3	4.2	36.6	3.9	
57.9	54	1	12	12:20:34	10483	53.0	10.1	15.3	15.7	16.2	16.2		73.5	13.3	4.2	36.6	4.0	
57.9	54	2	10	12:24:02	10544	55.0	9.5	14.4	14.6	14.0	13.8		66.3	13.0	4.2	31.5	4.0	
57.6	53	1	13	12:34:35	10764	52.0	9.8	15.6	15.6	16.4	16.5		73.9	13.2	4.2	36.6	4.0	
57.6	57	2	11	12:37:39	10824	56.0	9.6	14.6	14.5	13.8	13.4		65.9	13.0	4.3	31.6	4.0	

Recorded By: djw Verified By: kt Run Set Pre

Traffic Sheet 21 (Wheel Load)
LTPP MONITORED TRAFFIC DATA
WIM SYSTEM TRUCK RECORDS

STATE CODE: 39
SPS WIM ID: 390200
DATE: (mm/dd/yyyy): 9/28/2010

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
57.0	53	1	14	12:50:27	11120	52.0	10.3	15.7	15.2	16.3	16.0		73.5	13.4	4.3	36.7	4.0	
57.0	56	2	12	12:53:49	11183	55.0	9.5	14.6	14.3	14.3	13.8		66.5	13.1	4.2	31.7	4.0	
58.4	42	1	15	1:05:35	11438	42.0	10.5	15.0	14.2	16.7	16.1		72.5	13.1	4.2	36.2	3.9	
58.4	56	2	13	1:07:28	11488	57.0	9.4	14.6	14.5	14.3	13.9		66.7	13.2	4.3	32.2	4.0	
56.8	48	1	16	1:20:06	11764	48.0	10.3	16.1	15.7	16.5	16.9		75.5	13.2	4.2	36.4	3.9	
56.8	55	2	14	1:23:28	11843	55.0	9.4	15.1	14.8	13.7	13.5		66.5	13.0	4.3	31.8	4.1	
57.6	44	2	15	1:39:24	12233	45.0	9.9	14.4	14.5	14.3	13.6		66.7	13.0	4.2	31.4	4.0	
57.6	47	1	17	1:49:53	12508	47.0	10.2	16.2	15.6	17.3	16.6		75.9	13.3	4.2	36.9	4.0	
57.4	49	2	16	1:53:29	12566	50.0	9.8	13.7	13.9	14.1	13.4		64.9	13.0	4.2	31.7	4.0	
57.4	54	1	18	2:04:51	12802	54.0	9.8	15.5	15.6	16.1	16.3		73.3	13.3	4.3	36.9	3.9	
57.4	56	2	17	2:06:43	12836	56.0	9.4	14.8	14.6	13.9	13.6		66.3	13.1	4.3	31.9	4.0	
57.4	42	1	19	2:18:38	13201	42.0	10.8	14.9	14.5	17.1	16.3		73.6	13.2	4.2	36.2	3.9	
57.1	45	2	18	2:20:48	13262	45.0	10.0	14.4	14.5	14.1	13.8		66.8	13.0	4.2	31.4	4.0	
57.1	50	1	20	2:33:39	13617	49.0	10.3	16.1	15.8	16.8	17.1		76.1	13.4	4.3	36.7	3.9	
58.5	57	2	19	2:35:28	13663	57.0	9.2	14.8	14.7	14.1	13.4		66.2	13.0	4.3	31.8	4.0	
58.5	52	1	21	2:48:47	13970	51.0	10.1	15.4	15.7	16.2	16.2		73.6	13.3	4.2	36.8	3.9	
58.5	45	2	20	2:50:29	14024	45.0	9.6	14.5	14.7	14.2	13.8		66.8	12.8	4.2	31.3	4.0	

Recorded By: djw

Verified By: kt

Run Set Pre

Traffic Sheet 21 (Wheel Load)
LTPP MONITORED TRAFFIC DATA
WIM SYSTEM TRUCK RECORDS

STATE CODE: 39
SPS WIM ID: 390200
DATE: (mm/dd/yyyy): 9/29/2010

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
49.3	48	1	1	9:16:00	6487	44.0	11.0	14.9	14.7	16.5	16.2		73.3	13.4	4.2	37.0	3.9	
49.3	51	2	1	9:27:50	6807	52.0	10.0	14.2	13.9	14.0	13.5		65.6	13.2	4.2	31.6	4.1	
53.2	49	1	2	9:31:18	6891	49.0	10.4	16.4	15.8	17.1	16.6		76.3	13.3	4.2	36.8	4.0	
53.2	57	2	2	9:42:41	7163	57.0	9.6	15.0	14.4	13.7	13.5		66.2	13.3	4.3	31.9	4.1	
58.8	46	2	3	9:57:48	7536	46.0	10.1	14.5	14.6	13.8	13.9		66.9	13.0	4.2	31.7	4.0	
58.8	45	1	3	9:59:57	7580	43.0	10.9	15.2	14.6	17.3	16.5		74.5	13.4	4.2	36.7	3.9	
60.3	56	2	4	10:10:46	7836	52.0	10.0	14.0	13.9	14.0	13.3		65.2	13.0	4.2	31.6	4.0	
60.3	54	1	4	10:27:52	8218	54.0	10.1	15.8	15.8	16.1	15.8		73.6	13.4	4.3	37.0	4.0	
64.1	50	2	5	10:50:15	8665	52.0	10.1	13.9	13.9	13.9	13.8		65.6	13.1	4.2	32.1	4.1	
64.1	50	1	5	10:55:23	8767	47.0	9.9	15.8	15.7	16.6	16.3		74.3	13.1	4.2	36.7	3.9	
67.4	55	2	6	11:03:24	8944	55.0	9.3	14.6	14.1	13.6	13.4		65.0	12.9	4.3	31.7	4.0	
67.4	54	1	6	11:08:05	9032	52.0	9.7	15.4	15.3	15.9	15.8		72.1	13.1	4.3	37.0	4.0	
69.3	51	2	7	11:16:06	9232	46.0	9.9	14.3	14.4	14.0	13.5		66.1	12.9	4.2	31.7	4.0	
69.3	45	1	7	11:22:35	9376	42.0	10.6	14.9	14.2	16.1	16.1		71.9	13.1	4.2	36.8	3.9	
71.8	53	2	8	11:29:14	9520	55.0	9.0	14.6	14.4	13.3	13.4		64.7	12.9	4.3	32.0	4.1	
71.8	47	1	8	11:35:43	9671	47.0	9.9	15.9	15.7	16.7	16.7		74.9	13.0	4.2	36.4	3.9	
72.8	47	2	9	11:41:50	9795	45.0	10.0	14.2	14.3	13.8	13.4		65.7	13.0	4.3	31.9	4.0	
72.8	52	1	9	11:49:26	9887	51.0	9.6	15.1	14.8	15.4	15.2		70.1	12.9	4.3	36.6	4.0	
74.5	50	2	10	11:57:40	10169	50.0	9.5	13.5	13.4	13.5	13.0		62.9	12.7	4.2	31.5	4.0	
74.5	46	1	10	12:03:56	10306	43.0	10.3	14.9	14.3	17.1	16.2		72.8	13.1	4.2	36.8	4.0	
79.7	54	2	11	12:55:56	11460	56.0	9.3	14.7	14.0	13.8	13.1		64.9	12.9	4.3	31.9	4.0	
79.7	54	1	11	12:57:32	11490	52.0	10.0	15.8	15.7	16.2	16.1		73.8	13.3	4.3	37.3	4.0	
83.5	43	2	12	1:08:58	11740	46.0	9.8	14.0	14.4	13.8	13.5		65.5	12.9	4.2	31.7	4.0	
83.5	45	1	12	1:12:47	11825	43.0	10.6	15.2	14.5	17.0	16.6		73.9	13.3	4.3	36.8	4.0	

Recorded By: djw Verified By: kt Run Set Post

Traffic Sheet 21 (Wheel Load)
LTPP MONITORED TRAFFIC DATA
WIM SYSTEM TRUCK RECORDS

STATE CODE: 39
SPS WIM ID: 390200
DATE: (mm/dd/yyyy): 9/29/2010

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
83.5	50	2	13	1:22:56	12082	52.0	9.8	13.7	13.6	13.7	13.4		64.2	13.0	4.2	31.9	4.0	
83.5	50	1	13	1:27:02	12160	48.0	9.9	16.0	15.7	16.4	16.4		74.4	13.3	4.3	37.1	4.0	
83.8	45	2	14	1:37:23	12408	46.0	9.9	14.3	14.4	13.9	13.2		65.7	13.0	4.2	31.7	4.0	
83.8	55	1	14	1:41:43	12520	55.0	10.1	15.9	15.6	16.0	16.3		73.9	13.7	4.4	37.7	4.0	
84.6	47	2	15	1:51:45	12758	48.0	9.9	14.3	14.4	13.8	13.7		66.1	13.2	4.3	32.0	4.0	
84.6	45	1	15	1:56:00	12856	43.0	10.6	15.2	14.5	17.1	16.6		74.0	13.5	4.3	37.3	4.0	
84.6	55	2	16	2:04:55	13084	57.0	9.3	14.9	14.6	14.0	13.5		66.3	13.3	4.3	32.3	4.1	
84.6	50	1	16	2:10:26	13233	49.0	10.1	16.7	15.9	17.1	16.9		76.7	13.5	4.3	37.4	4.0	
85.2	48	2	17	2:18:06	13420	47.0	10.2	14.6	14.6	14.3	14.0		67.7	13.2	4.2	32.1	4.1	
85.2	57	1	17	2:24:33	13611	55.0	10.1	16.0	15.9	16.3	15.8		74.1	13.6	4.3	37.7	4.1	
85.5	50	2	18	2:33:52	13862	51.0	10.1	13.8	13.7	13.6	13.2		64.4	13.2	4.3	32.1	4.1	
85.5	43	1	18	2:39:03	14004	43.0	10.7	15.3	14.5	17.2	16.5		74.2	13.5	4.3	37.1	4.0	
86.7	54	2	19	2:47:30	14240	56.0	9.4	15.0	14.5	13.7	13.6		66.2	13.2	4.3	32.2	4.1	
86.7	50	1	19	2:53:29	14402	44.0	10.4	15.3	14.3	16.7	16.5		73.2	13.6	4.3	37.2	4.0	
85.0	45	2	20	3:01:02	14614	46.0	9.6	14.3	14.1	13.8	13.7		65.5	12.9	4.2	31.7	4.0	
85.0	56	1	20	3:07:28	14779	48.0	10.4	16.2	16.2	17.2	16.9		76.9	13.4	4.3	37.2	4.0	

Recorded By: djw

Verified By: kt

Run Set Post

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSSMENT LTPP LANE ONLY	STATE CODE: 39 SPS WIM ID: 390200 STATE ASSIGNED ID 521 DATE (mm/dd/yyy) 9/28/2010

SITE EQUIPMENT INFORMATION

1. **TYPE OF EQUIPMENT** BOTH

2. **LANE NUMBER ON SITE** 1 **3. DIRECTION ON SITE** north

4. **VENDOR** Mettler **MODEL** _____ **SERIAL#** _____

5. **WEIGHING SENSOR TYPE** load cell

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.

no pavement deficiencies

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSSMENT LTPP LANE ONLY	STATE CODE: 39 SPS WIM ID: 390200 STATE ASSIGNED ID 521 DATE (mm/dd/yyy) 9/28/2010

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

no in-road sensor deficiencies

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.

no adverse truck movements

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

Tape Filename: _____

Time: From: _____ To: _____

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSSMENT LTPP LANE ONLY	STATE CODE: 39 SPS WIM ID: 390200 STATE ASSIGNED ID 521 DATE (mm/dd/yyy) 9/28/2010

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 ASSESSSMENT LTPP LANE ONLY	STATE CODE: 39 SPS WIM ID: 390200 STATE ASSIGNED ID 521 DATE (mm/dd/yyy) 9/28/2010

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 57.0 mph Average WIM Speed 55.1 mph
Mean Difference -2.0 mph SD of mean 5.1

Posted Speed Limit 55 mph
Speed Range 15th percentile - 0 mph 85th percentile- 0 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 4.23 ft (WIM system average)
= -0.5 %

Average front axle weight for Class 9 vehicles lbs
% error from 10.3 kips (industry average) OR 10.0 lbs (known site value)
= -2.7 %

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 occurance.

Cabinet/Foundation None ☐
no cabinet deficiencies

Pull Boxes None ☐
no pull box deficiencies

Mast None ☐
no mast deficiencies

Solar Panels None ☐
no solar panels

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSSMENT LTPP LANE ONLY	STATE CODE: 39 SPS WIM ID: 390200 STATE ASSIGNED ID 521 DATE (mm/dd/yyy) 9/28/2010

Telephone D-Mark Box None ☐

no telephone d-mark box deficiencies

Power Service Box None ☐

no pwer 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

no additional comments

Assessor Dean J. Wolf

Traffic Sheet 24A LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Equipment	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyy) 9/28/2010

Item	Description	Filename
1	Power Source	390200_power_box_09_28_10.jpg
2	Telephone Source	390200_telephone_pedestal_09_28_10.jpg
3	Cabinet Exterior	390200_cabinet_exterior_09_28_10.jpg
4	Cabinet Interior	390200_cabinet_interior_09_28_10.jpg
5	Leading weight sensor	390200_leading_load cell_09_28_10.jpg
6	Trailing weight sensor	390200_trailing_load cell_09_28_10.jpg
7	Leading classification sensor	
8	Trailing classification sensor	
9	Leading loop sensor	390200_leading_loop_09_28_10.jpg
10	Trailing loop sensor	
11	Downstream from site	390200_downstream_09_28_10.jpg
12	Upstream from site	390200_upstream_09_28_10.jpg
13	Cabinet Interior - Rear	
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

RECORDED BY: Dean J. Wolf

Traffic Sheet 24B LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Test Trucks	STATE CODE: 39 SPS WIM ID: 390200 DATE (mm/dd/yyy) 9/29/2010

Item	Description	Filename
1	Tractor, Truck #1	390200_truck_1_tractor_09_28_10.jpg
2	Trailer/Load, Truck #1	390200_truck_1_trailer_09_28_10.jpg
3	Kingpin Offset, Truck #1	
4	Suspension A, Truck #1	390200_truck_1_suspension_1_09_28_10.jpg
5	Suspension B, Truck #1	390200_truck_1_suspension_2_09_28_10.jpg
6	Suspension C, Truck #1	390200_truck_1_suspension_3_09_28_10.jpg
7	Suspension D, Truck #1	390200_truck_1_suspension_4_09_28_10.jpg
8	Suspension E, Truck #1	390200_truck_1_suspension_5_09_28_10.jpg
9	Suspension F, Truck #1	
10	Tractor, Truck #2	390200_truck_2_tractor_09_28_10.jpg
11	Trailer/Load, Truck #2	390200_truck_2_trailer_09_28_10.jpg
12	Kingpin Offset, Truck #2	
13	Suspension A, Truck #2	390200_truck_2_suspension_1_09_28_10.jpg
14	Suspension B, Truck #2	390200_truck_2_suspension_2_09_28_10.jpg
15	Suspension C, Truck #2	390200_truck_2_suspension_3_09_28_10.jpg
16	Suspension D, Truck #2	390200_truck_2_suspension_4_09_28_10.jpg
17	Suspension E, Truck #2	390200_truck_2_suspension_5_09_28_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

WIM Field Validation Handout Guide

Ohio, 390200

Submitted: 09/21/2010

Table of Contents

1 Site Information

Site ID:	390200	**State:**	Ohio
LTPP Region:	North Central	**Configuration:**	Loop - 2 Load Cells
Controller Type:	Mettler-Toledo	**Sensor Type:**	Load Cell
Power:	A/C	**Communication:**	Landline
Class Scheme:	OHDOT	**CPU type/setup:**	

2 Contact Information

Agency	Contact	Position	Phone	Mobile
FHWA	Debbie Walker	COTR	202 493-3068	
FHWA	Joe Glinksi	Division Office	614-280-6848	
RSC	Frank Meyer	Project Manager	716-632-0804	
OH DOT	Roger Green	State Coordinator	614-995-5993	
OH DOT	Tony Manch	Technical Contact	614-466-3075	
OH DOT	Dave Gardner	Traffic contact		
ARA	Dean Wolf	Task Leader	717-691-7625	717-512-6638
ARA	Olga Selezneva	Project Manager	410-540-9949	
Truck Scale	CAT Scale pilot travel center	I-71 exit 131 Sunbury Ohio		

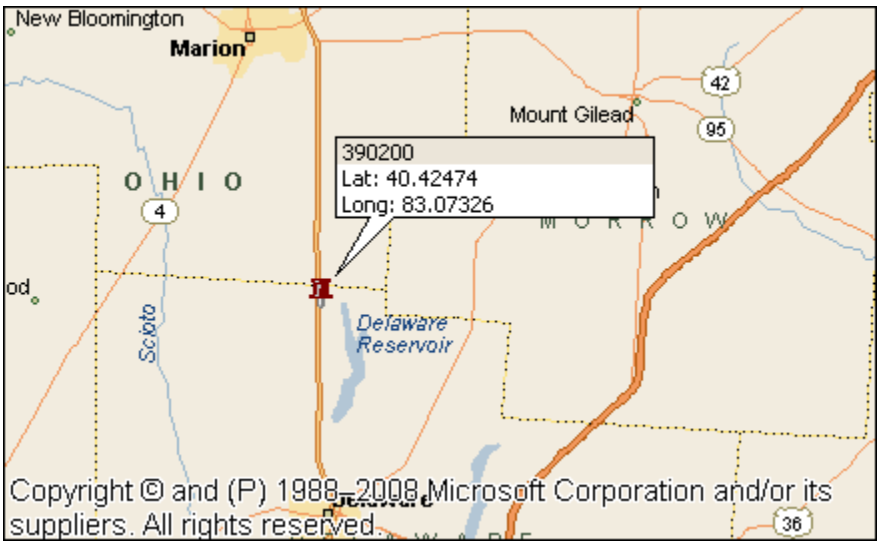
3 Schedule of Events

Date	Event	Location	Start Time
9/27/2010	Travel	Camp Hill, PA	TBD
9/28/2010	System Test/Class and Speed Study	WIM Site	10:00 am
9/28/2010	Test Truck Weigh/Measure/Inspection	CAT Scale	6:00 am
9/28/2010	Initial Performance Evaluation	WIM Site	7:00 am
9/29/2010	Calibration (if required)	WIM Site	7:00 am
9/29/2010	Validation	WIM Site	TBD
9/29/2010	Travel	Camp Hill, PA	TBD

4 Maps

4.1 Site Location

Location:	US-23 at M.P. 19.7			**Direction:**	NB
Latitude:	40.43188°	**Longitude:**	-83.07480°		

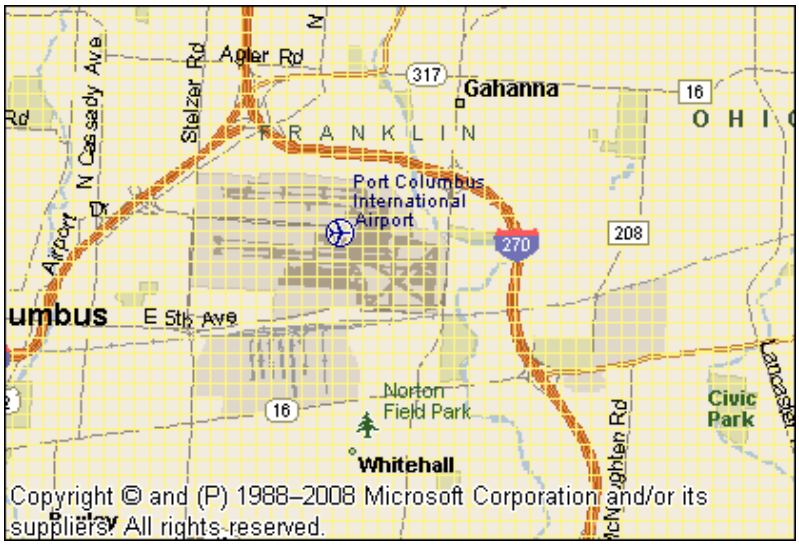


4.2 Truck Scale Location

Name:	CAT scale Pilot Travel	**Location:**	I-71 exit 131
Latitude:	40.26551	**Longitude:**	-82.92564

4.3 Airport Location

Name:	Port Columbus International	**Location:**	Wonderland, Ohio
Latitude:	39.995	**Longitude:**	-82.878



4.4 Hospital Location

Name:	Grady Memorial hospital		
Phone:	(740) 615-1000	**Location:**	561 W. Central Ave. Delaware, Ohio

5 Occupational Health and Safety Plan

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

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

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

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

6 Contingency Plan

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

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