Traffic Sheet 17 LTPP MONITORED TRAFFIC DATA WIM SITE INVENTORY	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

1. ROUTE: US-93 **MILEPOST:** 52.62 **LTPP DIRECTION:** north

2. WIM SITE DESCRIPTION

Grade: <1% Sag Vertical: N
Nearest Upstream SPS Section: 040160
Distance from sensors to SPS Section: 153 ft

3. LANE CONFIGURATION

Lanes in LTPP direction: 2 Median: 3 - grass
Lane width: 12' Shoulder: 3 - paved PCC
Shoulder width: 8'

4. PAVEMENT TYPE

5. PAVEMENT SURFACE CONDITION - Distress Survey

Date: 9/15/10 Photo Filename: 040100_upstream_09_15_10.jpg
Date: 9/15/10 Photo Filename: 040100_downstream_09_15_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: 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.): 6"
Clearance /access to flush fines from under system: N

Traffic Sheet 17 LTPP MONITORED TRAFFIC DATA WIM SITE INVENTORY	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

10. CABINET LOCATION

Same side of road as LTPP lane: Y
Distance from edge of traveled lane: 66 ft
distance from system: 72 ft
type: M

Cabinet access controlled by: LTPP
Contact name: Roy Czinku Phone # 306-653-6627
Alternate name: Brian Knight Phone # 602-820-1393

11. POWER

Distance to cabinet from drop: 3 ft
Type: Solar
AC in cabinet? N
Service provider: Phone #

12. TELEPHONE

Distance to cabinet from drop: 92 ft
Type: landline
Service provider: Phone # 928-565-2017

13. SYSTEM

Software and version no.
Computer connection: RS-232

14. TEST TRUCK TURNAROUND TIME

Duration: 10 minutes Distance: 6.2 miles

15. PHOTOS

	Filename
Power source:	040100_solar_panel_09_15_10.jpg
Phone source:	040100_telephone_pedestal_modem_09_15_10.jpg
Cabinet exterior:	040100_cabinet_exterior_09_15_10.jpg
Cabinet interior:	040100_cabinet_interior_front_09_15_10.jpg
Weight sensors:	040100_leading_weighpad_09_15_10.jpg
	040100_trailing_weighpad_09_15_10.jpg
Other sensors:	040100_leading_loop_09_15_10.jpg
	040100_trailing_loop_09_15_10.jpg
Downstream from sensors on LTPP lane:	040100_downstream_09_15_10.jpg
Upstream from sensors on LTPP lane:	040100_upstream_09_15_10.jpg

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

1. DATA PROCESSING

a. Download: LTPP only

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 11/27/11

d. Calibration LTPP

e. Manuals and software control: LTPP

f. Power
i. Type Solar ii. Payment

g. Communication
i. Type Landline ii. Payment State

3. PAVEMENT

a. Type Portland Concrete Cement

b. Allowable Rehabilitation activities Maintenance only

c. Profile Site Markings Temporary

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

4. Onsite Activities

a. WIM Validation Check advance notice required

_____ Days 2 Weeks

b. Notice for straightedge and grinding check

_____ Days 2 Weeks

i. On site lead LTPP

ii. Accept grinding LTPP

c. Authorization to calibrate site LTPP

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:
MACTEC, IRD

g. Access to cabinet LTPP

h. State personel required on site No

i. Traffic control required No

J. Enforcement coordination required No

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

5. SITE SPECIFIC CONDITIONS

a. Funds and accountability: _____

b. Reports: _____

c. Other: _____

c. Special Conditions _____

6. CONTACTS

a. Equipment (operational status, access, etc.)
Name Roy Czinku Phone # 306-653-6627
Agency IRD

b. Maintenance (equipment)
Name Roy Czinku Phone # 306-653-6627
Agency IRD

c. Data Processing and pre-visit data
Name Roy Czinku Phone # 306-653-6627
Agency IRD

d. Construction schedule and verification
Name Phoenix District Phone # 602-712-6550
Agency AZDOT

e. Test Vehicles (trucks, loads, drivers)
Name Scott Sunderland Phone # 480-641-3500
Agency Otto Logistics

f. Traffic control
Name _____ Phone # _____
Agency _____

g. Enforcement coordination
Name _____ Phone # _____
Agency _____

h. Nearest static scale
Name TA Truck Stop Location: Kingman, AZ
Phone: 928-753-7600

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

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		11140	10780	Direct
B		16120	15905	Direct
C		16120	15905	Direct
D		16310	16175	Direct
E		16310	16175	Direct
F		0	0	

4. **GVW (same units as axles)**
   - a. Empty GVW:
   - b. Average Pre-Test Loaded weight: 76000
   - c. Post Test Loaded Weight: 74940
   - d. Difference Post Test - Pre-Tests: 1060

5. **TRUCK DESCRIPTION**
   - a. Tractor Cab Style: Conventional Sleeper Cab: No
     photo: ☑
   - b. Make: Peterbilt
   - c. Model: unk
   - d. Trailer Load Distribution Description:
     trash
     photo: ☑
   - e. Tractor Tare weight - -
   - f. Trailer Tare weight - -
   - g. Axle Spacing -

A to B 14.5 B to C 4.3 C to D 33.1 D to E 4.0 E to F 0.0

   - h. Wheelbase - ☐ Measured ☑ Computed 55.9
   - i. Kingpin offset from Axle B (units) 1.0' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R22.5	steel spring	☑
B	11R22.5	air	☑
C	11R22.5	air	☑
D	315/80R22.5	air	☑
E	315/80R22.5	air	☑
F			☐

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
89.9	94	100.5	unk	unk	
95.8	95.6	105.5	unk	unk	
	96.4	107.3			
	99.8	95.2			

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11140	0	0	10820
A+B	II	27260	0	0	26710
A+B+C	III	43380	0	0	42600
A+B+C+D	IV	59690	0	0	58770
A+B+C+D+E(1)	V	76000	0	0	74940
A+B+C+D+E+(F)(1)	VI	76000	0	0	74940
B+C+D+E+(F)	VII	64860	0	0	64200
C+D+E+(F)	VIII	48740	0	0	48280
D+E+(F)	IX	32620	0	0	32360
E+(F)	X	16310	0	0	16180
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	76000	0	0	74940

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

CALIBRATION TEST TRUCK - Primary

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

	1		2		Avg.
Axle A	I	11140	VI-VII	11140	11140
Axle B	II-I	16120	VII-VIII	16120	16120
Axle C	III-II	16120	VIII-IX	16120	16120
Axle D	IV-III	16310	IX-X	16310	16310
Axle E	V-IV	16310	X-XI	16310	16310
Axle F	VI-V	0	XI	0	0
GVW	VI	76000	XII	76000	76000

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	10820	VI-VII	10740	10780
Axle B	II-I	15890	VII-VIII	15920	15905
Axle C	III-II	15890	VIII-IX	15920	15905
Axle D	IV-III	16170	IX-X	16180	16175
Axle E	V-IV	16170	X-XI	16180	16175
Axle F	VI-V	0	XI	0	0
GVW	VI	74940	XII	74940	74940

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

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	11140	16120	16120	16310	16310	0	76000
2	11140	16120	16120	16310	16310	0	76000
Avg.	11140	16120	16120	16310	16310	0	76000

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	10820	15890	15890	16170	16170	0	74940
2	10740	15920	15920	16180	16180	0	74940
Avg.	10780	15905	15905	16175	16175	0	74940

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: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

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		10900	10600	Direct
B		13505	13315	Direct
C		13505	13315	Direct
D		14020	13900	Direct
E		14020	13900	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW:
b. Average Pre-Test Loaded weight: 65950
c. Post Test Loaded Weight: 65030
d. Difference Post Test - Pre-Tests: 920

5. TRUCK DESCRIPTION

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

b. Make: Kenworth
c. Model: 800

d. Trailer Load Distribution Description:
trsah
photo: ☑

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

A to B 14.5 B to C 4.3 C to D 33.4 D to E 4.0 E to F 0.0

h. Wheelbase - ☐ Measured _____ ☑ Computed 56.2
i. Kingpin offset from Axle B (units) 1.0' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R22.5	steel spring	☑
B	11R22.5	air	☑
C	11R22.5	air	☑
D	11R22.5	air	☑
E	11R22.5	air	☑
F			☐

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
91.4	94.5	99.6	86.4	93.2	
89.9	100.8	104.9	97.8	89.8	
	96.2	126.4	38.8	87.2	
	95.5	104.7	96.3	99.2	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	10880	0	0	10600
A+B	II	24410	0	0	23920
A+B+C	III	37940	0	0	37240
A+B+C+D	IV	51950	0	0	51140
A+B+C+D+E(1)	V	65960	0	0	65040
A+B+C+D+E+(F)(1)	VI	65960	0	0	65040
B+C+D+E+(F)	VII	55020	0	0	54420
C+D+E+(F)	VIII	41540	0	0	41110
D+E+(F)	IX	28060	0	0	27800
E+(F)	X	14030	0	0	13900
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	65940	0	0	65020

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

CALIBRATION TEST TRUCK - Secondary

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

	1		2		Avg.
Axle A	I	10880	VI-VII	10940	10910
Axle B	II-I	13530	VII-VIII	13480	13505
Axle C	III-II	13530	VIII-IX	13480	13505
Axle D	IV-III	14010	IX-X	14030	14020
Axle E	V-IV	14010	X-XI	14030	14020
Axle F	VI-V	0	XI	0	0
GVW	VI	65960	XII	65940	65950

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	10600	VI-VII	10620	10610
Axle B	II-I	13320	VII-VIII	13310	13315
Axle C	III-II	13320	VIII-IX	13310	13315
Axle D	IV-III	13900	IX-X	13900	13900
Axle E	V-IV	13900	X-XI	13900	13900
Axle F	VI-V	0	XI	0	0
GVW	VI	65040	XII	65020	65030

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/15/2010

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	10880	13530	13530	14010	14010	0	65960
2	10920	13480	13480	14030	14030	0	65940
Avg.	10900	13505	13505	14020	14020	0	65950

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	10600	13320	13320	13900	13900	0	65040
2	10600	13310	13310	13900	13900	0	65020
Avg.	10600	13315	13315	13900	13900	0	65030

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 # 1	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

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		11140	10780	Direct
B		16120	15905	Direct
C		16120	15905	Direct
D		16310	16175	Direct
E		16310	16175	Direct
F		0	0	

4. **GVW (same units as axles)**
   - a. Empty GVW:
   - b. Average Pre-Test Loaded weight: 76000
   - c. Post Test Loaded Weight: 74940
   - d. Difference Post Test - Pre-Tests: 1060

5. **TRUCK DESCRIPTION**
   - a. Tractor Cab Style: Conventional Sleeper Cab: No
     photo: ☑
   - b. Make: Peterbilt
   - c. Model: unk
   - d. Trailer Load Distribution Description:
     trash
     photo: ☑
   - e. Tractor Tare weight - _____ - _____
   - f. Trailer Tare weight - _____ - _____
   - g. Axle Spacing - _____

A to B 14.5 B to C 4.3 C to D 33.1 D to E 4.0 E to F 0.0

   - h. Wheelbase - ☐ Measured _____ ☑ Computed 55.9
   - i. Kingpin offset from Axle B (units) 1.0' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R22.5	steel spring	☑
B	11R22.5	air	☑
C	11R22.5	air	☑
D	315/80R22.5	air	☑
E	315/80R22.5	air	☑
F			☐

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
89.9	94	100.5	unk	unk	
95.8	95.6	105.5	unk	unk	
	96.4	107.3			
	99.8	95.2			

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11140	0	0	10820
A+B	II	27260	0	0	26710
A+B+C	III	43380	0	0	42600
A+B+C+D	IV	59690	0	0	58770
A+B+C+D+E(1)	V	76000	0	0	74940
A+B+C+D+E+(F)(1)	VI	76000	0	0	74940
B+C+D+E+(F)	VII	64860	0	0	64200
C+D+E+(F)	VIII	48740	0	0	48280
D+E+(F)	IX	32620	0	0	32360
E+(F)	X	16310	0	0	16180
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	76000	0	0	74940

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Primary

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

	1		2		Avg.
Axle A	I	11140	VI-VII	11140	11140
Axle B	II-I	16120	VII-VIII	16120	16120
Axle C	III-II	16120	VIII-IX	16120	16120
Axle D	IV-III	16310	IX-X	16310	16310
Axle E	V-IV	16310	X-XI	16310	16310
Axle F	VI-V	0	XI	0	0
GVW	VI	76000	XII	76000	76000

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	10820	VI-VII	10740	10780
Axle B	II-I	15890	VII-VIII	15920	15905
Axle C	III-II	15890	VIII-IX	15920	15905
Axle D	IV-III	16170	IX-X	16180	16175
Axle E	V-IV	16170	X-XI	16180	16175
Axle F	VI-V	0	XI	0	0
GVW	VI	74940	XII	74940	74940

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

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	11140	16120	16120	16310	16310	0	76000
2	11140	16120	16120	16310	16310	0	76000
Avg.	11140	16120	16120	16310	16310	0	76000

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	10820	15890	15890	16170	16170	0	74940
2	10740	15920	15920	16180	16180	0	74940
Avg.	10780	15905	15905	16175	16175	0	74940

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: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

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		10900	10600	Direct
B		13505	13315	Direct
C		13505	13315	Direct
D		14020	13900	Direct
E		14020	13900	Direct
F		0	0	

4. **GVW (same units as axles)**
   - a. Empty GVW:
   - b. Average Pre-Test Loaded weight: 65950
   - c. Post Test Loaded Weight: 65030
   - d. Difference Post Test - Pre-Tests: 920

5. **TRUCK DESCRIPTION**
   - a. Tractor Cab Style: Conventional Sleeper Cab: No
     photo: ☑
   - b. Make: Kenworth
   - c. Model: 800
   - d. Trailer Load Distribution Description:
     trsah
     photo: ☑
   - e. Tractor Tare weight - _____ - _____
   - f. Trailer Tare weight - _____ - _____
   - g. Axle Spacing - _____

A to B 14.5 B to C 4.3 C to D 33.4 D to E 4.0 E to F 0.0

- h. Wheelbase - ☐ Measured _____ ☑ Computed 56.2
- i. Kingpin offset from Axle B (units) 1.0' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R22.5	steel spring	☑
B	11R22.5	air	☑
C	11R22.5	air	☑
D	11R22.5	air	☑
E	11R22.5	air	☑
F			☐

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
91.4	94.5	99.6	86.4	93.2	
89.9	100.8	104.9	97.8	89.8	
	96.2	126.4	38.8	87.2	
	95.5	104.7	96.3	99.2	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	10880	0	0	10600
A+B	II	24410	0	0	23920
A+B+C	III	37940	0	0	37240
A+B+C+D	IV	51950	0	0	51140
A+B+C+D+E(1)	V	65960	0	0	65040
A+B+C+D+E+(F)(1)	VI	65960	0	0	65040
B+C+D+E+(F)	VII	55020	0	0	54420
C+D+E+(F)	VIII	41540	0	0	41110
D+E+(F)	IX	28060	0	0	27800
E+(F)	X	14030	0	0	13900
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	65940	0	0	65020

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Secondary

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

	1		2		Avg.
Axle A	I	10880	VI-VII	10940	10910
Axle B	II-I	13530	VII-VIII	13480	13505
Axle C	III-II	13530	VIII-IX	13480	13505
Axle D	IV-III	14010	IX-X	14030	14020
Axle E	V-IV	14010	X-XI	14030	14020
Axle F	VI-V	0	XI	0	0
GVW	VI	65960	XII	65940	65950

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	10600	VI-VII	10620	10610
Axle B	II-I	13320	VII-VIII	13310	13315
Axle C	III-II	13320	VIII-IX	13310	13315
Axle D	IV-III	13900	IX-X	13900	13900
Axle E	V-IV	13900	X-XI	13900	13900
Axle F	VI-V	0	XI	0	0
GVW	VI	65040	XII	65020	65030

Traffic Sheet 19	STATE CODE:	04
LTPP MONITORED TRAFFIC DATA	SPS WIM ID:	040100
CALIBRATION TEST TRUCK # 2	DATE (mm/dd/yyyy)	9/16/2010

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	10880	13530	13530	14010	14010	0	65960
2	10920	13480	13480	14030	14030	0	65940
Avg.	10900	13505	13505	14020	14020	0	65950

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	10600	13320	13320	13900	13900	0	65040
2	10600	13310	13310	13900	13900	0	65020
Avg.	10600	13315	13315	13900	13900	0	65030

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: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

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		11140	11070	Direct
B		16120	15885	Direct
C		16120	15885	Direct
D		16310	16055	Direct
E		16310	16055	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW:
b. Average Pre-Test Loaded weight: 76000
c. Post Test Loaded Weight: 74940
d. Difference Post Test - Pre-Tests: 1060

5. TRUCK DESCRIPTION

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

b. Make: Peterbilt
c. Model: unk

d. Trailer Load Distribution Description:

trash

photo: ☑

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

A to B 14.5 B to C 4.3 C to D 33.1 D to E 4.0 E to F 0.0

h. Wheelbase - ☐ Measured _____ ☑ Computed 55.9
i. Kingpin offset from Axle B (units) 1.0' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R22.5	steel spring	☑
B	11R22.5	air	☑
C	11R22.5	air	☑
D	315/80R22.5	air	☑
E	315/80R22.5	air	☑
F			☐

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
89.9	94	100.5	unk	unk	
95.8	95.6	105.5	unk	unk	
	96.4	107.3			
	99.8	95.2			

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11140	10820	11260	11060
A+B	II	27260	26710	27250	26950
A+B+C	III	43380	42600	43240	42840
A+B+C+D	IV	59690	58770	59380	58890
A+B+C+D+E(1)	V	76000	74940	75520	74940
A+B+C+D+E+(F)(1)	VI	76000	74940	75520	74940
B+C+D+E+(F)	VII	64860	64200	64220	63880
C+D+E+(F)	VIII	48740	48280	48220	48000
D+E+(F)	IX	32620	32360	32220	32120
E+(F)	X	16310	16180	16110	16060
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	76000	74940	75480	74960

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Primary

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

	1		2		Avg.
Axle A	I	11140	VI-VII	11140	11140
Axle B	II-I	16120	VII-VIII	16120	16120
Axle C	III-II	16120	VIII-IX	16120	16120
Axle D	IV-III	16310	IX-X	16310	16310
Axle E	V-IV	16310	X-XI	16310	16310
Axle F	VI-V	0	XI	0	0
GVW	VI	76000	XII	76000	76000

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

	1		2		Avg.
Axle A	I	10820	VI-VII	10740	10780
Axle B	II-I	15890	VII-VIII	15920	15905
Axle C	III-II	15890	VIII-IX	15920	15905
Axle D	IV-III	16170	IX-X	16180	16175
Axle E	V-IV	16170	X-XI	16180	16175
Axle F	VI-V	0	XI	0	0
GVW	VI	74940	XII	74940	74940

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

	1		2		Avg.
Axle A	I	11260	VI-VII	11300	11280
Axle B	II-I	15990	VII-VIII	16000	15995
Axle C	III-II	15990	VIII-IX	16000	15995
Axle D	IV-III	16140	IX-X	16110	16125
Axle E	V-IV	16140	X-XI	16110	16125
Axle F	VI-V	0	XI	0	0
GVW	VI	75520	XII	75480	75500

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

	1		2		Avg.
Axle A	I	11060	VI-VII	11060	11060
Axle B	II-I	15890	VII-VIII	15880	15885
Axle C	III-II	15890	VIII-IX	15880	15885
Axle D	IV-III	16050	IX-X	16060	16055
Axle E	V-IV	16050	X-XI	16060	16055
Axle F	VI-V	0	XI	0	0
GVW	VI	74940	XII	74960	74950

Traffic Sheet 19	STATE CODE:	04
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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	11140	16120	16120	16310	16310	0	76000
2	11140	16120	16120	16310	16310	0	76000
Avg.	11140	16120	16120	16310	16310	0	76000

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10820	15890	15890	16170	16170	0	74940
2	10740	15920	15920	16180	16180	0	74940
Avg.	10780	15905	15905	16175	16175	0	74940

Table 8- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	11260	15990	15990	16140	16140	0	75480
2	11260	16000	16000	16110	16110	0	75480
Avg.	11260	15995	15995	16125	16125	0	75480

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	11060	15890	15890	16050	16050	0	74920
2	11080	15880	15880	16060	16060	0	74960
Avg.	11070	15885	15885	16055	16055	0	74940

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: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

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		10900	0	Direct
B		13505	0	Direct
C		13505	0	Direct
D		14020	0	Direct
E		14020	0	Direct
F		0	0	

4. **GVW (same units as axles)**
   - a. Empty GVW:
   - b. Average Pre-Test Loaded weight: 65950
   - c. Post Test Loaded Weight: 0
   - d. Difference Post Test - Pre-Tests: 65950

5. **TRUCK DESCRIPTION**
   - a. Tractor Cab Style: Conventional Sleeper Cab: No
     photo: ☑
   - b. Make: Kenworth
   - c. Model: 800
   - d. Trailer Load Distribution Description:
     trsah
     photo: ☑
   - e. Tractor Tare weight - _____ - _____
   - f. Trailer Tare weight - _____ - _____
   - g. Axle Spacing - _____

A to B 14.5 B to C 4.3 C to D 33.4 D to E 4.0 E to F 0.0

- h. Wheelbase - ☐ Measured _____ ☑ Computed 56.2
- i. Kingpin offset from Axle B (units) 1.0' photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R22.5	steel spring	☑
B	11R22.5	air	☑
C	11R22.5	air	☑
D	11R22.5	air	☑
E	11R22.5	air	☑
F			☐

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F
91.4	94.5	99.6	86.4	93.2	
89.9	100.8	104.9	97.8	89.8	
	96.2	126.4	38.8	87.2	
	95.5	104.7	96.3	99.2	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	10880	10600	0	0
A+B	II	24410	23920	0	0
A+B+C	III	37940	37240	0	0
A+B+C+D	IV	51950	51140	0	0
A+B+C+D+E(1)	V	65960	65040	0	0
A+B+C+D+E+(F)(1)	VI	65960	65040	0	0
B+C+D+E+(F)	VII	55020	54420	0	0
C+D+E+(F)	VIII	41540	41110	0	0
D+E+(F)	IX	28060	27800	0	0
E+(F)	X	14030	13900	0	0
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	65940	65020	0	0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Secondary

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

	1		2		Avg.
Axle A	I	10880	VI-VII	10940	10910
Axle B	II-I	13530	VII-VIII	13480	13505
Axle C	III-II	13530	VIII-IX	13480	13505
Axle D	IV-III	14010	IX-X	14030	14020
Axle E	V-IV	14010	X-XI	14030	14020
Axle F	VI-V	0	XI	0	0
GVW	VI	65960	XII	65940	65950

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

	1		2		Avg.
Axle A	I	10600	VI-VII	10620	10610
Axle B	II-I	13320	VII-VIII	13310	13315
Axle C	III-II	13320	VIII-IX	13310	13315
Axle D	IV-III	13900	IX-X	13900	13900
Axle E	V-IV	13900	X-XI	13900	13900
Axle F	VI-V	0	XI	0	0
GVW	VI	65040	XII	65020	65030

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 - Secondary

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10880	13530	13530	14010	14010	0	65960
2	10920	13480	13480	14030	14030	0	65940
Avg.	10900	13505	13505	14020	14020	0	65950

Table 7- Raw Data- Axle scales -

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10600	13320	13320	13900	13900	0	65040
2	10600	13310	13310	13900	13900	0	65020
Avg.	10600	13315	13315	13900	13900	0	65030

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 - Post

Measured By: Kevin Trousdale

Verified By: Dean J. Wolf

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 3	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Third

PART A

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

3. AXLE WEIGHTS

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		10950	10810	Direct
B		13880	13775	Direct
C		13880	13775	Direct
D		13825	13755	Direct
E		13825	13755	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW:
b. Average Pre-Test Loaded weight: 66360
c. Post Test Loaded Weight: 65870
d. Difference Post Test - Pre-Tests: 490

5. TRUCK DESCRIPTION

a. Tractor Cab Style: Sleeper Cab:
photo: ☐

b. Make:
c. Model:

d. Trailer Load Distribution Description:

photo: ☐

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

A to B 13.3 B to C 4.4 C to D 33.8 D to E 4.1 E to F 0.0

h. Wheelbase - ☐ Measured ☐ Computed 55.6
i. Kingpin offset from Axle B (units) photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 3	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Third

6. SUSPENSION

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

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

Steering Axle	Axle B	Axle C	AxleD	AxleE	Axle F

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	10940	0	0	10820
A+B	II	24840	0	0	24590
A+B+C	III	38740	0	0	38360
A+B+C+D	IV	52560	0	0	52110
A+B+C+D+E(1)	V	66380	0	0	65860
A+B+C+D+E+(F)(1)	VI	66380	0	0	65860
B+C+D+E+(F)	VII	55380	0	0	55080
C+D+E+(F)	VIII	41520	0	0	41300
D+E+(F)	IX	27660	0	0	27520
E+(F)	X	13830	0	0	13760
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	66340	0	0	65880

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 3	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Third

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

	1		2		Avg.
Axle A	I	10940	VI-VII	11000	10970
Axle B	II-I	13900	VII-VIII	13860	13880
Axle C	III-II	13900	VIII-IX	13860	13880
Axle D	IV-III	13820	IX-X	13830	13825
Axle E	V-IV	13820	X-XI	13830	13825
Axle F	VI-V	0	XI	0	0
GVW	VI	66380	XII	66340	66360

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	10820	VI-VII	10780	10800
Axle B	II-I	13770	VII-VIII	13780	13775
Axle C	III-II	13770	VIII-IX	13780	13775
Axle D	IV-III	13750	IX-X	13760	13755
Axle E	V-IV	13750	X-XI	13760	13755
Axle F	VI-V	0	XI	0	0
GVW	VI	65860	XII	65880	65870

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 3	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyyy) 9/16/2010

CALIBRATION TEST TRUCK - Third

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10940	13900	13900	13820	13820	0	66380
2	10960	13860	13860	13830	13830	0	66340
Avg.	10950	13880	13880	13825	13825	0	66360

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	10820	13770	13770	13750	13750	0	65860
2	10800	13780	13780	13760	13760	0	65880
Avg.	10810	13775	13775	13755	13755	0	65870

Validation Test Truck Run Set - Post

Measured By: _____

Verified By: _____

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

STATE CODE: 04
SPS WIM ID: 040100
DATE: (mm/dd/yyyy): 9/15/2010

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
84.5	44	2	1	9:03:53	55	44.0	11.4	14.1	13.9	14.3	14.3		67.9	14.5	4.3	33.3	4.1	
84.5	44	1	1	9:04:16	56	44.0	11.4	16.3	17.0	16.9	16.6		78.2	14.5	4.3	32.8	4.0	
90.7	55	2	2	9:11:38	74	54.0	11.6	14.9	14.1	16.5	15.4		72.5	14.5	4.3	33.2	4.1	
90.7	55	1	2	9:11:56	77	55.0	12.6	17.4	17.6	18.9	18.5		85.0	14.5	4.3	32.8	4.0	
89.4	65	2	3	9:19:27	98	64.0	10.6	13.9	13.9	14.9	15.4		68.8	14.5	4.3	33.4	4.1	
89.4	65	1	3	9:19:51	99	64.0	11.1	16.9	16.4	17.3	16.7		78.3	14.5	4.3	32.9	4.0	
90.5	45	2	4	9:27:11	114	45.0	10.9	14.3	13.8	14.5	14.3		67.8	14.5	4.4	33.3	4.1	
90.5	44	1	4	9:27:26	116	44.0	11.5	16.3	17.2	16.1	17.3		78.4	14.4	4.3	32.8	4.0	
92.5	54	2	5	9:35:01	129	55.0	11.0	14.5	13.5	16.1	15.5		70.6	14.5	4.3	33.3	4.1	
92.5	56	1	5	9:35:22	130	55.0	12.1	17.5	17.3	18.7	18.3		83.9	14.4	4.3	32.8	4.0	
93.4	66	2	6	9:42:44	158	65.0	10.5	13.9	13.1	14.9	14.9		67.3	14.5	4.4	33.5	4.1	
93.4	65	1	6	9:43:16	159	65.0	10.9	16.8	16.9	16.8	16.6		78.0	14.5	4.3	32.8	4.0	
96.0	45	2	7	9:50:23	177	45.0	11.5	14.4	14.4	14.5	15.0		69.9	14.6	4.3	33.3	4.1	
96.0	45	1	7	9:51:03	179	45.0	10.7	16.5	16.6	16.4	17.0		77.1	14.4	4.3	32.8	4.0	
96.2	55	2	8	9:58:18	199	55.0	11.4	15.2	14.1	16.6	15.7		73.0	14.6	4.3	33.4	4.1	
96.2	56	1	8	9:59:28	203	56.0	12.3	17.1	18.8	18.8	18.4		85.5	14.4	4.3	32.8	4.0	
95.1	64	2	9	10:06:29	225	65.0	10.4	13.7	13.2	15.0	14.5		66.9	14.5	4.3	33.3	4.1	
95.1	65	1	9	10:07:16	227	64.0	11.2	16.8	17.3	17.4	17.5		80.2	14.4	4.3	32.7	4.0	
101.3	45	2	10	10:32:50	312	44.0	10.9	14.4	14.0	14.6	14.3		68.4	14.5	4.3	33.3	4.1	
101.3	45	1	10	10:33:28	315	45.0	11.1	17.0	16.8	16.5	16.8		78.2	14.4	4.3	32.8	4.0	
103.2	55	2	11	10:40:28	332	55.0	11.5	15.2	14.4	16.4	16.3		73.9	14.5	4.3	33.3	4.1	
103.2	55	1	11	10:40:55	333	55.0	12.3	17.5	18.1	18.6	18.7		85.2	14.5	4.3	32.8	4.0	
103.9	64	2	12	10:49:38	355	64.0	10.8	13.8	13.1	14.6	15.0		67.2	14.6	4.4	33.4	4.1	
103.9	65	1	12	10:50:17	358	65.0	11.1	17.1	16.5	17.3	16.9		78.7	14.4	4.3	32.9	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: 04
SPS WIM ID: 040100
DATE: (mm/dd/yyyy): 9/15/2010

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
101.0	44	2	13	10:58:35	380	44.0	10.8	13.8	13.5	14.9	14.3		67.3	14.5	4.3	33.3	4.1	
101.0	44	1	13	10:58:39	381	45.0	11.1	16.1	16.3	16.6	16.9		76.9	14.4	4.3	32.8	4.0	
98.9	54	2	14	11:06:46	405	55.0	11.1	15.1	15.1	16.9	15.6		73.8	14.5	4.3	33.4	4.1	
98.9	53	1	14	11:07:41	410	54.0	11.6	17.3	17.6	18.6	18.5		83.5	14.4	4.3	32.9	4.0	
109.1	61	2	15	11:37:38	504	61.0	11.0	14.1	14.2	15.8	16.3		71.6	14.5	4.3	33.3	4.1	
109.1	63	1	15	11:38:05	507	63.0	11.4	16.9	16.8	17.1	17.6		79.8	14.4	4.3	32.8	4.0	
108.0	45	2	16	11:45:38	536	45.0	11.3	14.2	13.4	14.5	14.1		67.4	14.6	4.4	33.5	4.1	
108.0	45	1	16	11:45:52	538	45.0	11.2	17.1	17.2	17.2	17.1		79.7	14.4	4.3	32.8	4.0	
109.6	54	2	17	11:53:42	562	54.0	11.5	14.7	14.0	15.7	14.7		70.6	14.5	4.3	33.3	4.1	
109.6	55	1	17	11:54:01	563	55.0	12.3	17.1	17.6	18.4	18.4		83.7	14.4	4.3	32.8	4.0	
109.1	60	2	18	12:01:45	594	60.0	11.1	14.6	14.7	16.3	16.2		72.9	14.5	4.3	33.4	4.1	
109.1	65	1	18	12:01:51	595	65.0	10.9	17.0	17.0	16.7	16.6		78.3	14.4	4.3	32.8	4.1	
111.3	46	2	19	12:09:53	626	44.0	10.9	14.3	14.0	15.0	15.1		69.2	14.5	4.3	33.3	4.1	
111.3	45	1	19	12:10:13	629	47.0	11.3	17.2	17.0	16.9	17.0		79.3	14.4	4.3	32.9	4.0	
110.5	54	2	20	12:17:47	651	54.0	11.5	15.0	14.1	15.9	15.6		72.1	14.5	4.3	33.3	4.1	
110.5	54	1	20	12:18:07	652	54.0	11.9	16.6	17.2	18.1	17.9		81.6	14.4	4.3	32.7	4.0	
111.6	50	2	21	12:27:09	689	50.0	11.1	14.1	13.8	14.2.	13.7		67.0	14.5	4.3	33.4	4.1	
111.6	51	1	21	12:27:30	692	50.0	11.6	16.4	16.9	17.4	17.0		79.5	14.4	4.3	32.9	4.0	
111.7	57	2	22	12:35:16	724	57.0	11.1	15.0	14.3	16.7	16.5		73.7	14.6	4.3	33.4	4.1	
111.7	57	1	22	12:35:37	727	57.0	12.0	17.5	17.4	18.6	18.5		83.9	14.5	4.3	32.8	4.0	
110.7	50	2	23	12:43:24	759	49.0	11.1	13.9	14.3	15.0	14.2		68.5	14.6	4.3	33.4	4.1	
110.7	49	1	23	12:43:50	760	49.0	11.5	16.1	16.8	16.5	17.1		78.1	14.4	4.3	32.8	4.0	
112.0	55	2	24	12:51:17	785	55.0	11.0	14.7	13.7	16.2	15.2		70.7	14.5	4.3	33.3	4.1	
112.0	55	1	24	12:51:29	787	54.0	11.9	17.3	18.1	18.5	18.5		84.3	14.4	4.3	32.8	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: 04
SPS WIM ID: 040100
DATE: (mm/dd/yyyy): 9/15/2010

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
113.1	58	1	25	12:59:42	827	58.0	12.3	17.1	18.5	18.8	18.8		85.4	14.4	4.3	32.8	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: 04
SPS WIM ID: 040100
DATE: (mm/dd/yyyy): 9/16/2010

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
114.2	45	1	1	13:49:30	1023	45.0	10.9	16.0	16.1	16.4	16.0		75.4	14.5	4.3	32.8	4.0	
114.2	44	2	1	13:50:23	1025	45.0	10.9	14.1	13.8	14.8	14.5		68.0	14.6	4.4	33.5	4.1	
111.4	55	1	2	13:56:00	1046	55.0	11.5	15.8	16.5	17.1	17.1		78.0	14.5	4.3	33.0	4.0	
111.4	55	2	2	13:58:16	1053	55.0	10.8	13.7	12.7	14.9	14.3		66.2	14.6	4.4	33.5	4.1	
111.1	64	1	3	14:03:34	1073	65.0	10.6	15.8	16.1	16.7	15.9		75.1	14.5	4.3	32.8	4.1	
111.1	55	2	3	14:06:08	1086	55.0	10.9	13.6	12.4	14.7	14.3		65.8	14.5	4.3	33.3	4.1	
110.3	45	1	4	14:11:13	1104	45.0	11.0	16.1	16.4	16.1	16.1		75.6	14.5	4.3	33.0	4.0	
110.3	45	2	4	14:15:04	1116	45.0	11.0	13.7	13.9	14.5	13.8		66.9	14.6	4.3	33.5	4.1	
112.4	62	1	5	14:18:48	1140	62.0	10.8	16.1	16.2	17.0	16.4		76.5	14.4	4.3	32.9	4.0	
112.4	55	2	5	14:22:53	1155	55.0	10.6	13.6	13.2	14.9	14.4		66.6	14.6	4.4	33.5	4.1	
112.3	65	1	6	14:28:25	1184	65.0	10.6	16.7	16.0	16.4	16.4		76.1	14.5	4.3	33.0	4.1	
112.3	55	2	6	14:32:40	1200	55.0	11.0	13.7	12.5	14.8	14.5		66.5	14.6	4.3	33.5	4.1	
109.0	65	1	7	14:38:10	1212	65.0	10.7	16.7	16.1	16.2	16.9		76.7	14.5	4.3	32.9	4.1	

Recorded By: djw Verified By: kt Run Set Cal 1

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS	STATE CODE: 04 SPS WIM ID: 040100 DATE: (mm/dd/yyyy): 9/16/2010

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
84.4	66	1	14	9:03:51	2898	65.0	10.9	16.3	15.5	16.6	16.2		75.5	14.4	4.3	32.8	4.1	
84.4	66	3	6	9:04:00	2899	65.0	10.4	13.9	13.6	13.5	13.4		64.8	13.2	4.3	33.8	4.1	
87.4	44	1	15	9:15:18	2923	44.0	11.0	15.8	15.7	15.8	16.4		74.8	14.4	4.3	32.9	4.0	
87.4	45	3	7	9:15:37	2924	45.0	10.7	14.1	13.7	13.9	13.8		66.2	13.3	4.4	33.9	4.1	
95.0	55	1	16	9:55:01	3009	55.0	11.3	15.9	16.6	16.8	16.8		77.3	14.4	4.3	32.9	4.0	
95.0	55	3	8	9:55:06	3010	55.0	10.9	14.2	13.8	14.8	13.8		67.6	13.3	4.3	33.9	4.1	
94.5	64	1	17	10:05:49	3033	64.0	11.1	16.0	16.3	15.9	15.7		75.1	14.4	4.3	32.9	4.1	
94.5	66	3	9	10:05:51	3034	66.0	11.0	14.2	14.1	14.3	14.2		67.7	13.3	4.3	33.9	4.1	
97.0	45	1	18	10:15:33	3060	45.0	11.8	16.0	16.1	16.5	16.1		76.6	14.4	4.3	32.9	4.0	
97.0	45	3	10	10:15:46	3061	44.0	10.1	13.9	13.5	14.1	13.2		64.8	13.3	4.4	33.8	4.1	
98.9	55	1	19	10:25:10	3086	55.0	11.7	15.9	16.1	16.8	16.4		76.9	14.4	4.3	32.8	4.0	
98.9	55	3	11	10:25:37	3089	55.0	10.7	14.0	13.8	14.5	14.4		67.5	13.3	4.4	33.9	4.1	
99.5	64	1	20	10:34:40	3120	64.0	11.2	16.4	15.6	16.5	16.4		75.9	14.5	4.3	33.0	4.1	
99.5	65	3	12	10:35:06	3122	66.0	10.2	14.1	13.6	14.3	13.4		65.6	13.3	4.4	33.9	4.1	
102.0	46	1	21	10:44:15	3150	45.0	12.0	16.0	15.9	16.0	16.2		76.0	14.5	4.3	32.9	4.0	
102.0	45	3	13	10:44:50	3152	46.0	10.5	14.0	14.0	13.7	14.0		66.2	13.3	4.3	33.8	4.1	
101.5	56	1	22	10:54:10	3183	56.0	11.1	15.5	16.3	16.4	16.6		76.0	14.5	4.3	32.9	4.0	
101.5	55	3	14	10:54:41	3184	55.0	11.1	14.3	14.0	14.6	14.4		68.3	13.3	4.4	33.8	4.1	

Recorded By: djw Verified By: kt Run Set Post

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

STATE CODE: 04
SPS WIM ID: 040100
DATE: (mm/dd/yyyy): 9/16/2010

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
114.2	45	1	1	13:49:30	1023	45.0	10.9	16.0	16.1	16.4	16.0		75.4	14.5	4.3	32.8	4.0	
114.2	44	2	1	13:50:23	1025	45.0	10.9	14.1	13.8	14.8	14.5		68.0	14.6	4.4	33.5	4.1	
111.4	55	1	2	13:56:00	1046	55.0	11.5	15.8	16.5	17.1	17.1		78.0	14.5	4.3	33.0	4.0	
111.4	55	2	2	13:58:16	1053	55.0	10.8	13.7	12.7	14.9	14.3		66.2	14.6	4.4	33.5	4.1	
111.1	64	1	3	14:03:34	1073	65.0	10.6	15.8	16.1	16.7	15.9		75.1	14.5	4.3	32.8	4.1	
111.1	55	2	3	14:06:08	1086	55.0	10.9	13.6	12.4	14.7	14.3		65.8	14.5	4.3	33.3	4.1	
110.3	45	1	4	14:11:13	1104	45.0	11.0	16.1	16.4	16.1	16.1		75.6	14.5	4.3	33.0	4.0	
110.3	45	2	4	14:15:04	1116	45.0	11.0	13.7	13.9	14.5	13.8		66.9	14.6	4.3	33.5	4.1	
112.4	62	1	5	14:18:48	1140	62.0	10.8	16.1	16.2	17.0	16.4		76.5	14.4	4.3	32.9	4.0	
112.4	55	2	5	14:22:53	1155	55.0	10.6	13.6	13.2	14.9	14.4		66.6	14.6	4.4	33.5	4.1	
112.3	65	1	6	14:28:25	1184	65.0	10.6	16.7	16.0	16.4	16.4		76.1	14.5	4.3	33.0	4.1	
112.3	55	2	6	14:32:40	1200	55.0	11.0	13.7	12.5	14.8	14.5		66.5	14.6	4.3	33.5	4.1	
109.0	65	1	7	14:38:10	1212	65.0	10.7	16.7	16.1	16.2	16.9		76.7	14.5	4.3	32.9	4.1	
75.0	42	1	8	8:05:40	2778	42.0	11.5	16.1	15.8	15.5	16.5		75.3	14.5	4.3	32.9	4.0	
77.1	55	1	9	8:15:28	2800	55.0	11.6	15.6	16.2	16.7	16.4		76.4	14.5	4.3	32.9	4.1	
77.1	55	3	1	8:15:34	2801	55.0	10.8	13.9	13.6	14.7	14.3		67.2	13.3	4.4	33.8	4.1	
77.9	65	1	10	8:25:08	2820	65.0	11.4	15.8	15.5	16.4	16.3		75.5	14.5	4.3	32.9	4.1	
77.9	65	3	2	8:25:21	2821	65.0	10.2	13.6	13.2	13.7	13.2		63.9	13.3	4.4	33.8	4.1	
79.4	46	1	11	8:35:18	2841	45.0	11.4	16.0	15.9	16.4	16.0		75.8	14.4	4.3	32.8	4.0	
79.4	45	3	3	8:35:26	2842	45.0	10.9	14.2	14.1	14.3	13.4		66.8	13.2	4.4	33.8	4.1	
82.4	54	1	12	8:44:55	2862	55.0	11.1	15.5	16.4	16.9	17.0		76.8	14.4	4.3	33.0	4.1	
82.4	55	3	4	8:45:08	2863	55.0	11.2	14.4	14.1	14.5	11.4		67.8	13.3	4.4	33.9	4.1	
82.6	65	1	13	8:54:36	2883	65.0	10.7	15.7	15.7	15.5	15.6		73.1	14.4	4.3	32.9	4.0	
82.6	66	3	5	8:54:43	2884	66.0	10.9	14.5	13.6	14.1	14.0		67.0	13.3	4.3	33.9	4.1	

Recorded By: djw Verified By: kt Run Set Post

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS	STATE CODE: 04 SPS WIM ID: 040100 DATE: (mm/dd/yyyy): 9/16/2010

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
114.2	45	1	1	13:49:30	1023	45.0	10.9	16.0	16.1	16.4	16.0		75.4	14.5	4.3	32.8	4.0	
114.2	44	2	1	13:50:23	1025	45.0	10.9	14.1	13.8	14.8	14.5		68.0	14.6	4.4	33.5	4.1	
111.4	55	1	2	13:56:00	1046	55.0	11.5	15.8	16.5	17.1	17.1		78.0	14.5	4.3	33.0	4.0	
111.4	55	2	2	13:58:16	1053	55.0	10.8	13.7	12.7	14.9	14.3		66.2	14.6	4.4	33.5	4.1	
111.1	64	1	3	14:03:34	1073	65.0	10.6	15.8	16.1	16.7	15.9		75.1	14.5	4.3	32.8	4.1	
111.1	55	2	3	14:06:08	1086	55.0	10.9	13.6	12.4	14.7	14.3		65.8	14.5	4.3	33.3	4.1	
110.3	45	1	4	14:11:13	1104	45.0	11.0	16.1	16.4	16.1	16.1		75.6	14.5	4.3	33.0	4.0	
110.3	45	2	4	14:15:04	1116	45.0	11.0	13.7	13.9	14.5	13.8		66.9	14.6	4.3	33.5	4.1	
112.4	62	1	5	14:18:48	1140	62.0	10.8	16.1	16.2	17.0	16.4		76.5	14.4	4.3	32.9	4.0	
112.4	55	2	5	14:22:53	1155	55.0	10.6	13.6	13.2	14.9	14.4		66.6	14.6	4.4	33.5	4.1	
112.3	65	1	6	14:28:25	1184	65.0	10.6	16.7	16.0	16.4	16.4		76.1	14.5	4.3	33.0	4.1	
112.3	55	2	6	14:32:40	1200	55.0	11.0	13.7	12.5	14.8	14.5		66.5	14.6	4.3	33.5	4.1	
109.0	65	1	7	14:38:10	1212	65.0	10.7	16.7	16.1	16.2	16.9		76.7	14.5	4.3	32.9	4.1	
75.0	42	1	8	8:05:40	2778	42.0	11.5	16.1	15.8	15.5	16.5		75.3	14.5	4.3	32.9	4.0	
77.1	55	1	9	8:15:28	2800	55.0	11.6	15.6	16.2	16.7	16.4		76.4	14.5	4.3	32.9	4.1	
77.1	55	3	1	8:15:34	2801	55.0	10.8	13.9	13.6	14.7	14.3		67.2	13.3	4.4	33.8	4.1	
77.9	65	1	10	8:25:08	2820	65.0	11.4	15.8	15.5	16.4	16.3		75.5	14.5	4.3	32.9	4.1	
77.9	65	3	2	8:25:21	2821	65.0	10.2	13.6	13.2	13.7	13.2		63.9	13.3	4.4	33.8	4.1	
79.4	46	1	11	8:35:18	2841	45.0	11.4	16.0	15.9	16.4	16.0		75.8	14.4	4.3	32.8	4.0	
79.4	45	3	3	8:35:26	2842	45.0	10.9	14.2	14.1	14.3	13.4		66.8	13.2	4.4	33.8	4.1	
82.4	54	1	12	8:44:55	2862	55.0	11.1	15.5	16.4	16.9	17.0		76.8	14.4	4.3	33.0	4.1	
82.4	55	3	4	8:45:08	2863	55.0	11.2	14.4	14.1	14.5	11.4		67.8	13.3	4.4	33.9	4.1	
82.6	65	1	13	8:54:36	2883	65.0	10.7	15.7	15.7	15.5	15.6		73.1	14.4	4.3	32.9	4.0	
82.6	66	3	5	8:54:43	2884	66.0	10.9	14.5	13.6	14.1	14.0		67.0	13.3	4.3	33.9	4.1	

Recorded By: djw Verified By: kt Run Set Post

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSSMENT LTPP LANE ONLY	STATE CODE: 04 SPS WIM ID: 040100 STATE ASSIGNED ID 100 DATE (mm/dd/yyy) 9/15/2010

SITE EQUIPMENT INFORMATION

1. TYPE OF EQUIPMENT BOTH

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

4. VENDOR IRD **MODEL** iSINC **SERIAL#** 51202222

5. WEIGHING SENSOR TYPE bending plate

6. SYSTEM SOFTWARE VERSIONS:

CPU _____

LOOP _____

PIEZO _____

WEIGHPAD/ LOADCELL _____

COMMUNICATIONS _____

7. CLASSIFICATION VIDEO:

TIME FROM: _____ TO: _____
TIME FROM: _____ TO: _____

SITE CONDITIONS

8. PAVEMENT:

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

none

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSSMENT LTPP LANE ONLY	STATE CODE: 04 SPS WIM ID: 040100 STATE ASSIGNED ID 100 DATE (mm/dd/yyy) 9/15/2010

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

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: _____

Time: From: _____ To: _____

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSSMENT LTPP LANE ONLY	STATE CODE: 04 SPS WIM ID: 040100 STATE ASSIGNED ID 100 DATE (mm/dd/yyy) 9/15/2010

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: 04 SPS WIM ID: 040100 STATE ASSIGNED ID 100 DATE (mm/dd/yyy) 9/15/2010

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 61.0 mph Average WIM Speed 61.1 mph
Mean Difference 0.1 mph SD of mean 1.6

Posted Speed Limit 65 mph
Speed Range 15th percentile - 65 mph 85th percentile- 78 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 4.31 ft (WIM system average)
= 1.4 %

Average front axle weight for Class 9 vehicles lbs
% error from 10.3 kips (industry average) OR 11.3 lbs (known site value)
= 10.0 %

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 ☑

Pull Boxes None ☑

Mast None ☐

Solar Panels None ☐

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSSMENT LTPP LANE ONLY	STATE CODE: 04 SPS WIM ID: 040100 STATE ASSIGNED ID 100 DATE (mm/dd/yyy) 9/15/2010

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 ASSESSSMENT LTPP LANE ONLY	STATE CODE: 04 SPS WIM ID: 040100 STATE ASSIGNED ID 100 DATE (mm/dd/yyy) 9/15/2010

STATIC EQUIPMENT VALUES (SYSTEM OFF)

1. POWER

a. Solar Panel	180	WATTS	21.3	VDC
b. Equipment Power		VAC	14.1	VDC
c. Battery 1	13.7	VDC		
d. Battery 2	13.7	VDC		
e. Regulated		VDC		
f. Power Supply	14.1	VDC		VDC
g. System Input		VAC	14.1	VDC
h. Modem Power	14.1	VAC	14.1	VDC
i. Telephone	53.1	VDC		

2. LOOP SENSORS

	Resistance		Inductance		Shield	
a. Leading	1.3	Ω	133.9	µh	inf	MΩ
b. Trailing	1.5	Ω	136	µh	inf	MΩ

3. WEIGHPAD SENSORS

	Input		Output		Shield	
a. Leading	991	Ω	845	Ω	inf	Ω
b. Trailing	991	Ω	846	Ω	inf	Ω

DYNAMIC EQUIPMENT VALUES (SYSTEM ON)

4. LOOP SENSORS

	Frequency	
a. Leading	8.6	KHz
b. Trailing	8.7	KHz

5. WEIGHPAD SENSORS

	Zero Point	
a. Leading	-0.5	mV
b. Trailing	-0.2	mV

Assessor Dean J. Wolf

Traffic Sheet 24A LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Equipment	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyy) 9/15/2010

Item	Description	Filename
1	Power Source	040100_solar_panel_09_15_10.jpg
2	Telephone Source	040100_telephone_pedestal_modem_09_15_10.jpg
3	Cabinet Exterior	040100_cabinet_exterior_09_15_10.jpg
4	Cabinet Interior	040100_cabinet_interior_front_09_15_10.jpg
5	Leading weight sensor	040100_leading_weighpad_09_15_10.jpg
6	Trailing weight sensor	040100_trailing_weighpad_09_15_10.jpg
7	Leading classification sensor	
8	Trailing classification sensor	
9	Leading loop sensor	040100_leading_loop_09_15_10.jpg
10	Trailing loop sensor	040100_trailing_loop_09_15_10.jpg
11	Downstream from site	040100_downstream_09_15_10.jpg
12	Upstream from site	040100_upstream_09_15_10.jpg
13	Cabinet Interior - Rear	040100_cabinet_interior_rear_09_15_10.jpg
14		
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		

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Traffic Sheet 24B LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Test Trucks	STATE CODE: 04 SPS WIM ID: 040100 DATE (mm/dd/yyy) 9/15/2010

Item	Description	Filename
1	Tractor, Truck #1	040100_truck_1_tractor_09_15_10.jpg
2	Trailer/Load, Truck #1	040100_truck_1_trailer_09_15_10.jpg
3	Kingpin Offset, Truck #1	
4	Suspension A, Truck #1	040100_truck_1_suspension_1_09_15_10.jpg
5	Suspension B, Truck #1	040100_truck_1_suspension_2_09_15_10.jpg
6	Suspension C, Truck #1	040100_truck_1_suspension_3_09_15_10.jpg
7	Suspension D, Truck #1	040100_truck_1_suspension_4_09_15_10.jpg
8	Suspension E, Truck #1	040100_truck_1_suspension_5_09_15_10.jpg
9	Suspension F, Truck #1	
10	Tractor, Truck #2	040100_truck_2_tractor_09_15_10.jpg
11	Trailer/Load, Truck #2	040100_truck_2_trailer_09_15_10.jpg
12	Kingpin Offset, Truck #2	
13	Suspension A, Truck #2	040100_truck_2_suspension_1_09_15_10.jpg
14	Suspension B, Truck #2	040100_truck_2_suspension_2_09_15_10.jpg
15	Suspension C, Truck #2	040100_truck_2_suspension_3_09_15_10.jpg
16	Suspension D, Truck #2	040100_truck_2_suspension_4_09_15_10.jpg
17	Suspension E, Truck #2	040100_truck_2_suspension_5_09_15_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

Arizona, 040100

Submitted: 08/30/2010

Table of Contents

1 Site Information

Site ID:	040100	**State:**	Arizona
LTPP Region:	Western	**Configuration:**	Loop - 2 Bending Plates - Loop
Controller Type:	iSINC	**Sensor Type:**	Bending Plate
Power:	Solar	**Communication:**	Landline
Class Scheme:	LTPP Mar 06	**CPU type/setup:**	

2 Contact Information

Agency	Contact	Position	Phone	Mobile
FHWA	Debbie Walker	COTR	202-493-3068	
FHWA	Karen King	Division Office	602-382-8965	
RSC	Kevin Senn	Western RSC	775-329-4955	
AZ DOT	Murari Man Pradhan	LTPP Coordinator	602-712-6574	602-525-4149
AZ DOT	Mark Hodges	Traffic Contact	602-712-8303	
ARA	Dean Wolf	Task Leader	717-691-7625	717-512-6638
ARA	Olga Selezneva	Project Manager	410-540-9949	
Otto Trucking	Scott Sunderland	Manager	480-641-3500	602 463-8007
Truck Scale	TA Kingman	I-40 & Exit 48	928-753-7600	

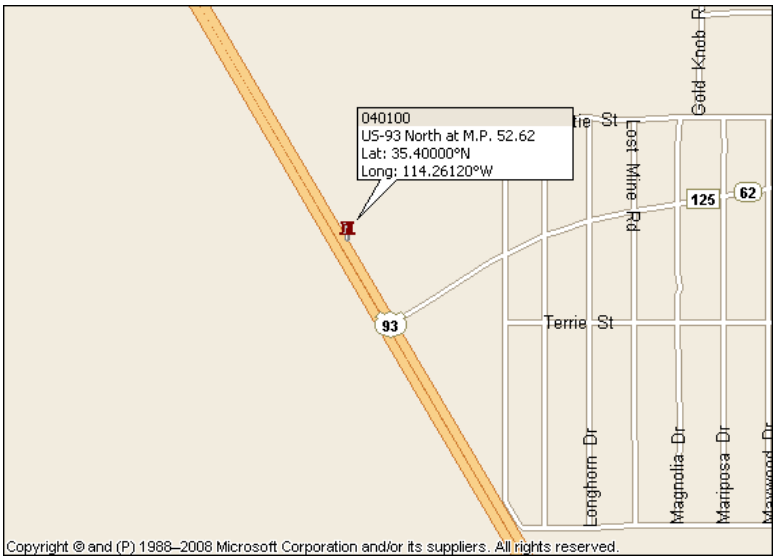
3 Schedule of Events

Date	Event	Location	Start Time
9/14//2010	Travel	Buckeye, AZ	TBD
9/14/2010	System Test/Class and Speed Study	WIM Site	TBD
9/15/2010	Test Truck Weigh/Measure/Inspection	TA Kingman	6:00 am
9/15/2010	Initial Performance Evaluation	WIM Site	7:00 am
9/16/2010	Calibration (if required)	WIM Site	7:00 am
9/16/2010	Validation	WIM Site	TBD
9/17/2010	Travel	Camp Hill, PA	TBD

4 Maps

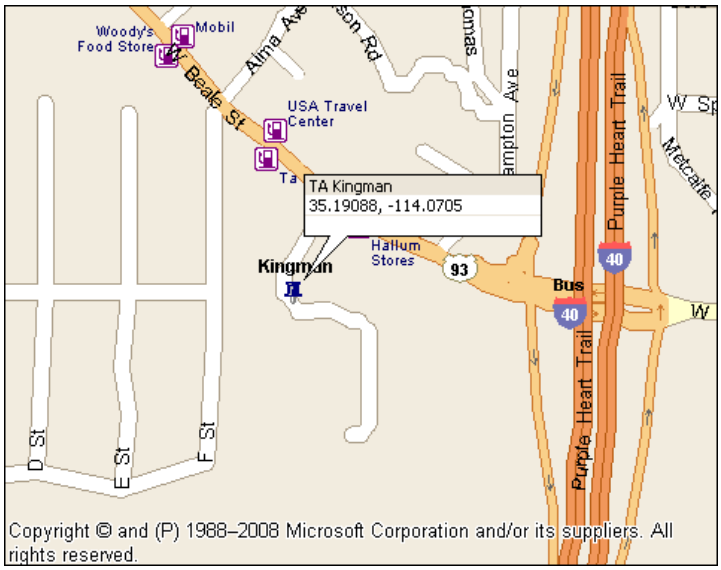
4.1 Site Location

Location:	US-93 North at M.P. 52.62		**Direction:**	NB
Latitude:	35.40000°	**Longitude:**	-114.26188°	



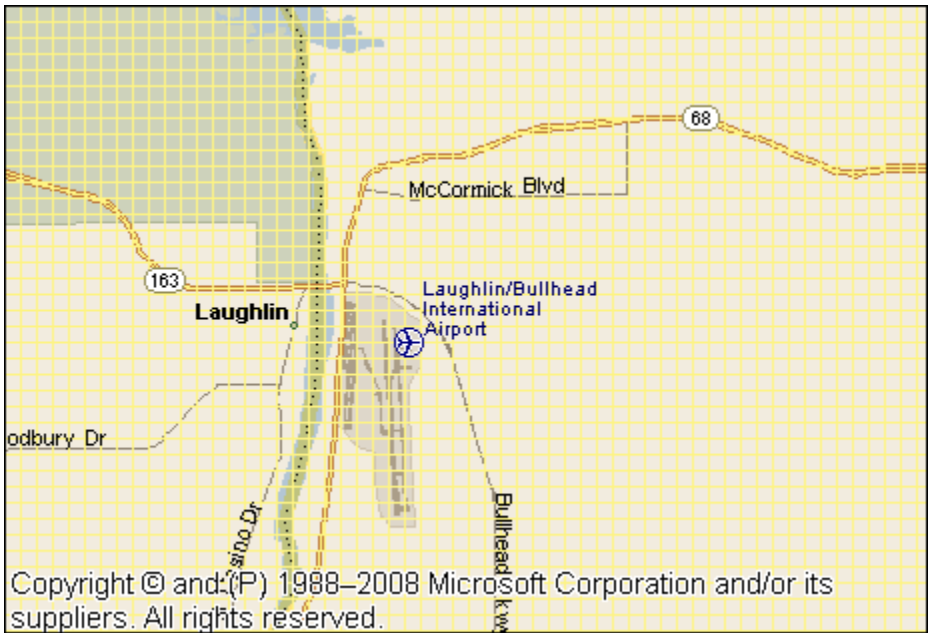
4.2 Truck Scale Location

Name:	TA Kingman	**Location:**	I-40 & Exit 48
Latitude:	35.19088°	**Longitude:**	-114.0705°



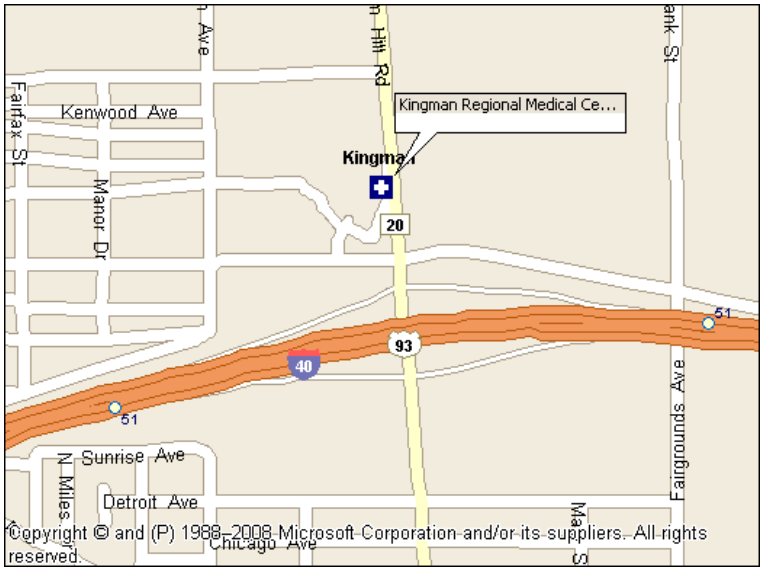
4.3 Airport Location

Name:	Laughlin/Bullhead Intl Airport	**Location:**	Bullhead City, AZ
Latitude:	35.16584°	**Longitude:**	-114.55731°



4.4 Hospital Location

Name:	Kingman Regional Medical Center		
Phone:	(928) 757-2101	**Location:**	3269 Stockton Hill Road, Kingman, AZ



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.