

Traffic Sheet 17 LTPP MONITORED TRAFFIC DATA WIM SITE INVENTORY	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/7/2010
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10. CABINET LOCATION

Same side of road as LTPP lane: Y
Distance from edge of traveled lane: 62 ft
distance from system: 68 ft
type: 3B

Cabinet access controlled by: Agency and LTPP

Contact name: Roy Czinku Phone # 306-653-6627
Alternate name: Ray Taylor Phone # 217-782-2065

11. POWER

Distance to cabinet from drop: 777 ft
Type: AC
AC in cabinet? Y
Service provider: _____ Phone # _____

12. TELEPHONE

Distance to cabinet from drop: 12 ft
Type: landline
Service provider: _____ Phone # _____

13. SYSTEM

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

14. TEST TRUCK TURNAROUND TIME

Duration: 20 minutes Distance: 18 miles

15. PHOTOS

Filename

Power source: 170600_power_service_box_12_7_10.jpg
Phone source: 170600_telephone_pedestal_12_7_10.jpg
Cabinet exterior: 170600_cabinet_exterior_12_7_10.jpg
Cabinet interior: 170600_cabinet_interior_front_12_7_10.jpg
Weight sensors: 170600_leading_WIM_sensor_12_7_10.jpg
170600_trailing_WIM_sensor_12_7_10.jpg
Other sensors: 170600_leading_loop_sensor_12_7_10.jpg
170600_trailing_loop_sensor_12_7_10.jpg
Downstream from sensors on LTPP lane: 170600_downstream_12_7_10.jpg
Upstream from sensors on LTPP lane: 170600_upstream_12_7_10.jpg

Traffic Sheet 18 LTPP MONITORED TRAFFIC DATA WIM SITE COORDINATION	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/7/2010
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1. DATA PROCESSING

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

2. EQUIPMENT

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

3. PAVEMENT

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

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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:

- g. Access to cabinet Joint

- h. State personel required on site No

- i. Traffic control required No

- J. Enforcement coordination required No

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5. SITE SPECIFIC CONDITIONS

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

6. CONTACTS

- a. Equipment (operational status, access, etc.)
Name Roy Czinku Phone # 306-653-6627
Agency IRD
- b. Maintenance (equipment)
Name Roy Czinku Phone # 306-653-6627
Agency IRD
- c. Data Processing and pre-visit data
Name Basel Abukhater Phone # 716-632-0804
Agency Stantec
- d. Construction schedule and verification
Name _____ Phone # _____
Agency _____
- e. Test Vehicles (trucks, loads, drivers)
Name Tammy Bragg Phone # 217-586-4536
Agency Steve Gilbert Trucking
- f. Traffic control
Name _____ Phone # _____
Agency _____
- g. Enforcement coordination
Name _____ Phone # _____
Agency _____
- h. Nearest static scale
Name Road Ranger Location: I-57, exit 121
Phone: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 1	STATE CODE: 17
	SPS WIM ID: 170600
	DATE (mm/dd/yyyy) 12/7/2010

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		11220	10930	Direct
B		13430	13970	Direct
C		13430	13970	Direct
D		19280	18555	Direct
E		19280	18555	Direct
F		0	0	

4. GVW (same units as axles)

a. Empty GVW: _____
b. Average Pre-Test Loaded weight: 76640
c. Post Test Loaded Weight: 75980
d. Difference Post Test - Pre-Tests: 660

5. TRUCK DESCRIPTION

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

b. Make: _____
c. Model: _____

d. Trailer Load Distribution Description:

gravel loaded evenly along the trailer

photo: ☒

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

A to B 14.5 B to C 4.3 C to D 24.3 D to E 4.1 E to F 0.0

h. Wheelbase - ☐ Measured _____ ☒ Computed 47.2
i. Kingpin offset from Axle B (units) 3'6" photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/7/2010
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CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R24.5	steel spring	☒
B	11R22.5	air	☒
C	11R22.5	air	☒
D	275/80R22.5	air	☒
E	295/75R22.5	air	☒
F			☐

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

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
93.1	96.7	91.3	112.1	113.3	
90.8	94.6	92.1	120.4	119.4	
	96.6	94.4	116.5	118.4	
	99.7	106.4	115.3	114.7	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11220	0	0	10920
A+B	II	24640	0	0	24890
A+B+C	III	38060	0	0	38860
A+B+C+D	IV	57350	0	0	57420
A+B+C+D+E(1)	V	76640	0	0	75980
A+B+C+D+E+(F)(1)	VI	76640	0	0	75980
B+C+D+E+(F)	VII	65420	0	0	65040
C+D+E+(F)	VIII	51980	0	0	51070
D+E+(F)	IX	38540	0	0	37100
E+(F)	X	19270	0	0	18550
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	76640	0	0	75980

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/7/2010
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CALIBRATION TEST TRUCK - Primary

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

	1		2		Avg.
Axle A	I	11220	VI-VII	11220	11220
Axle B	II-I	13420	VII-VIII	13440	13430
Axle C	III-II	13420	VIII-IX	13440	13430
Axle D	IV-III	19290	IX-X	19270	19280
Axle E	V-IV	19290	X-XI	19270	19280
Axle F	VI-V	0	XI	0	0
GVW	VI	76640	XII	76640	76640

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	10940	10930
Axle B	II-I	13970	VII-VIII	13970	13970
Axle C	III-II	13970	VIII-IX	13970	13970
Axle D	IV-III	18560	IX-X	18550	18555
Axle E	V-IV	18560	X-XI	18550	18555
Axle F	VI-V	0	XI	0	0
GVW	VI	75980	XII	75980	75980

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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	11220	13420	13420	19290	19290	0	76640
2	11220	13440	13440	19270	19270	0	76640
Avg.	11220	13430	13430	19280	19280	0	76640

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	13970	13970	18560	18560	0	75980
2	10940	13970	13970	18550	18550	0	75980
Avg.	10930	13970	13970	18555	18555	0	75980

Validation Test Truck Run Set - Pre

Measured By: _____

Verified By: _____

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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		11370	0	Direct
B		14080	0	Direct
C		14080	0	Direct
D		18555	0	Direct
E		18555	0	Direct
F		0	0	

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 76640
- c. Post Test Loaded Weight: 0
- d. Difference Post Test - Pre-Tests: 76640

5. TRUCK DESCRIPTION

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

- b. Make: Mack
c. Model: unknown

d. Trailer Load Distribution Description:

gravel loaded evenly along the trailer

photo: ☒

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

A to B 14.5 B to C 4.3 C to D 24.3 D to E 4.1 E to F 0.0

- h. Wheelbase - ☐ Measured _____ ☒ Computed 47.2
i. Kingpin offset from Axle B (units) 3'6" photo: ☐

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CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R24.5	steel spring	☒
B	11R22.5	air	☒
C	11R22.5	air	☒
D	275/80R22.5	air	☒
E	295/75R22.5	air	☒
F			☐

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

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
93.1	96.7	91.3	112.1	113.3	
90.8	94.6	92.1	120.4	119.4	
	96.6	94.4	116.5	118.4	
	99.7	106.4	115.3	114.7	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11360	0	0	0
A+B	II	25440	0	0	0
A+B+C	III	39520	0	0	0
A+B+C+D	IV	58080	0	0	0
A+B+C+D+E(1)	V	76640	0	0	0
A+B+C+D+E+(F)(1)	VI	76640	0	0	0
B+C+D+E+(F)	VII	65260	0	0	0
C+D+E+(F)	VIII	51180	0	0	0
D+E+(F)	IX	37100	0	0	0
E+(F)	X	18550	0	0	0
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	76640	0	0	0

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CALIBRATION TEST TRUCK - Primary

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

	1		2		Avg.
Axle A	I	11360	VI-VII	11380	11370
Axle B	II-I	14080	VII-VIII	14080	14080
Axle C	III-II	14080	VIII-IX	14080	14080
Axle D	IV-III	18560	IX-X	18550	18555
Axle E	V-IV	18560	X-XI	18550	18555
Axle F	VI-V	0	XI	0	0
GVW	VI	76640	XII	76640	76640

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

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

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

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

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

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

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CALIBRATION TEST TRUCK - Primary

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	11360	14080	14080	18560	18560	0	76640
2	11380	14080	14080	18550	18550	0	76640
Avg.	11370	14080	14080	18555	18555	0	76640

Table 7- Raw Data- Axle scales -

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

Table 8- Raw Data- Axle scales -

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

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

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

Validation Test Truck Run Set - Cal 1

Measured By: _____

Verified By: _____

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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		11370	10980	Direct
B		14080	13960	Direct
C		14080	13960	Direct
D		18555	18560	Direct
E		18555	18560	Direct
F		0	0	

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 76640
- c. Post Test Loaded Weight: 76040
- d. Difference Post Test - Pre-Tests: 600

5. TRUCK DESCRIPTION

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

- b. Make: Mack
c. Model: unknown

- d. Trailer Load Distribution Description:

gravel loaded evenly along the trailer

photo: ☒

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

A to B 14.5 B to C 4.3 C to D 24.3 D to E 4.1 E to F 0.0

- h. Wheelbase - ☐ Measured _____ ☒ Computed 47.2
- i. Kingpin offset from Axle B (units) 3'6" photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>1</u>	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/8/2010
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CALIBRATION TEST TRUCK - Primary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R24.5	steel spring	☒
B	11R22.5	air	☒
C	11R22.5	air	☒
D	275/80R22.5	air	☒
E	295/75R22.5	air	☒
F			☐

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

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
93.1	96.7	91.3	112.1	113.3	
90.8	94.6	92.1	120.4	119.4	
	96.6	94.4	116.5	118.4	
	99.7	106.4	115.3	114.7	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	11360	0	0	10980
A+B	II	25440	0	0	24940
A+B+C	III	39520	0	0	38900
A+B+C+D	IV	58080	0	0	57450
A+B+C+D+E(1)	V	76640	0	0	76000
A+B+C+D+E+(F)(1)	VI	76640	0	0	76000
B+C+D+E+(F)	VII	65260	0	0	65060
C+D+E+(F)	VIII	51180	0	0	51100
D+E+(F)	IX	37100	0	0	37140
E+(F)	X	18550	0	0	18570
(F)	XI	0	0	0	0
A+B+C+D+E+(F)(2)	XII	76640	0	0	76040

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CALIBRATION TEST TRUCK - Primary

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

	1		2		Avg.
Axle A	I	11360	VI-VII	11380	11370
Axle B	II-I	14080	VII-VIII	14080	14080
Axle C	III-II	14080	VIII-IX	14080	14080
Axle D	IV-III	18560	IX-X	18550	18555
Axle E	V-IV	18560	X-XI	18550	18555
Axle F	VI-V	0	XI	0	0
GVW	VI	76640	XII	76640	76640

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	10980	VI-VII	10940	10960
Axle B	II-I	13960	VII-VIII	13960	13960
Axle C	III-II	13960	VIII-IX	13960	13960
Axle D	IV-III	18550	IX-X	18570	18560
Axle E	V-IV	18550	X-XI	18570	18560
Axle F	VI-V	0	XI	0	0
GVW	VI	76000	XII	76040	76020

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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	11360	14080	14080	18560	18560	0	76640
2	11380	14080	14080	18550	18550	0	76640
Avg.	11370	14080	14080	18555	18555	0	76640

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	10980	13960	13960	18550	18550	0	76040
2	10980	13960	13960	18570	18570	0	76040
Avg.	10980	13960	13960	18560	18560	0	76040

Validation Test Truck Run Set - Post

Measured By: Dean J. Wolf

Verified By: Kevin Trousdale

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17
	SPS WIM ID: 170600
	DATE (mm/dd/yyyy) 12/7/2010

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		10220	9840	Direct
B		12250	12085	Direct
C		12250	12085	Direct
D		15780	15820	Direct
E		15780	15820	Direct
F		0	0	

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 66280
- c. Post Test Loaded Weight: 65650
- d. Difference Post Test - Pre-Tests: 630

5. TRUCK DESCRIPTION

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

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

d. Trailer Load Distribution Description:

gravel loaded evenly along the trailer

photo: ☒

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

A to B 14.5 B to C 4.3 C to D 15.4 D to E 4.1 E to F 0.0

- h. Wheelbase - ☐ Measured _____ ☒ Computed 38.3
- i. Kingpin offset from Axle B (units) 3'0" photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/7/2010
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CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R22.5	steel spring	☒
B	295/75R22.5	air	☒
C	295/75R22.5	air	☒
D	295/75R22.5	steel spring	☒
E	295/75R22.5	steel spring	☒
F			☐

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

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
113.6	112.0	91.2	106.5	103.9	
112.6	112.0	92.9	109.6	103.9	
	100.4	90.4	108.6	103.7	
	85.2	94.9	100.6	100.4	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	10220	0	0	9840
A+B	II	22480	0	0	21930
A+B+C	III	34740	0	0	34020
A+B+C+D	IV	50510	0	0	49840
A+B+C+D+E(1)	V	66280	0	0	65660
A+B+C+D+E+(F)(1)	VI	66280	0	0	65660
B+C+D+E+(F)	VII	56060	0	0	55800
C+D+E+(F)	VIII	43820	0	0	43720
D+E+(F)	IX	31580	0	0	31640
E+(F)	X	15790	0	0	15820
(F)	XI		0	0	0
A+B+C+D+E+(F)(2)	XII	66280	0	0	65640

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/7/2010
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CALIBRATION TEST TRUCK - Secondary

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

	1		2		Avg.
Axle A	I	10220	VI-VII	10220	10220
Axle B	II-I	12260	VII-VIII	12240	12250
Axle C	III-II	12260	VIII-IX	12240	12250
Axle D	IV-III	15770	IX-X	15790	15780
Axle E	V-IV	15770	X-XI	15790	15780
Axle F	VI-V	0	XI	0	0
GVW	VI	66280	XII	66280	66280

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	9840	VI-VII	9860	9850
Axle B	II-I	12090	VII-VIII	12080	12085
Axle C	III-II	12090	VIII-IX	12080	12085
Axle D	IV-III	15820	IX-X	15820	15820
Axle E	V-IV	15820	X-XI	15820	15820
Axle F	VI-V	0	XI	0	0
GVW	VI	65660	XII	65640	65650

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/7/2010
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CALIBRATION TEST TRUCK - Secondary

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10220	12260	12260	15770	15770	0	66280
2	10220	12240	12240	15790	15790	0	66280
Avg.	10220	12250	12250	15780	15780	0	66280

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	9840	12090	12090	15820	15820	0	65660
2	9840	12080	12080	15820	15820	0	65640
Avg.	9840	12085	12085	15820	15820	0	65650

Validation Test Truck Run Set - Pre

Measured By: _____

Verified By: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17
	SPS WIM ID: 170600
	DATE (mm/dd/yyyy) 12/8/2010

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		10210	0	Direct
B		12230	0	Direct
C		12230	0	Direct
D		15785	0	Direct
E		15785	0	Direct
F		0	0	

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 66240
- c. Post Test Loaded Weight: 0
- d. Difference Post Test - Pre-Tests: 66240

5. TRUCK DESCRIPTION

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

- b. Make: Mack
- c. Model: unknown

d. Trailer Load Distribution Description:

gravel loaded evenly along the trailer

photo: ☒

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

A to B 14.5 B to C 4.3 C to D 15.4 D to E 4.1 E to F 0.0

- h. Wheelbase - ☐ Measured _____ ☒ Computed 38.3
- i. Kingpin offset from Axle B (units) 3'0" photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/8/2010
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CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R22.5	steel spring	☒
B	295/75R22.5	air	☒
C	295/75R22.5	air	☒
D	295/75R22.5	steel spring	☒
E	295/75R22.5	steel spring	☒
F			☐

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

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
113.6	112.0	91.2	106.5	103.9	
112.6	112.0	92.9	109.6	103.9	
	100.4	90.4	108.6	103.7	
	85.2	94.9	100.6	100.4	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	10220	0	0	0
A+B	II	22430	0	0	0
A+B+C	III	34640	0	0	0
A+B+C+D	IV	50440	0	0	0
A+B+C+D+E(1)	V	66240	0	0	0
A+B+C+D+E+(F)(1)	VI	66240	0	0	0
B+C+D+E+(F)	VII	56040	0	0	0
C+D+E+(F)	VIII	43790	0	0	0
D+E+(F)	IX	31540	0	0	0
E+(F)	X	15770	0	0	0
(F)	XI		0	0	0
A+B+C+D+E+(F)(2)	XII	66240	0	0	0

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/8/2010
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CALIBRATION TEST TRUCK - Secondary

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

	1		2		Avg.
Axle A	I	10220	VI-VII	10200	10210
Axle B	II-I	12210	VII-VIII	12250	12230
Axle C	III-II	12210	VIII-IX	12250	12230
Axle D	IV-III	15800	IX-X	15770	15785
Axle E	V-IV	15800	X-XI	15770	15785
Axle F	VI-V	0	XI	0	0
GVW	VI	66240	XII	66240	66240

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

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

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

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

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

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

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # <u>2</u>	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/8/2010
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CALIBRATION TEST TRUCK - Secondary

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10220	12210	12210	15800	15800	0	66240
2	10200	12250	12250	15770	15770	0	66240
Avg.	10210	12230	12230	15785	15785	0	66240

Table 7- Raw Data- Axle scales -

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

Table 8- Raw Data- Axle scales -

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

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

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

Validation Test Truck Run Set - Cal 1

Measured By: _____

Verified By: _____

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/8/2010
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CALIBRATION TEST TRUCK - Secondary

PART A

1. FHWA CLASS: 9 2. Number of axles: 5
3. AXLE WEIGHTS (1000s lbs)

	a. Empty Truck Avg. Axle Weight	b. Pre-test Average Axle Weight	c. Post-Test Avg. Axle Weight	d. Direct or Calculated?
A		10210	9840	Direct
B		12230	12105	Direct
C		12230	12105	Direct
D		15785	15810	Direct
E		15785	15810	Direct
F		0	0	

4. GVW (same units as axles)

- a. Empty GVW: _____
- b. Average Pre-Test Loaded weight: 66240
- c. Post Test Loaded Weight: 65670
- d. Difference Post Test - Pre-Tests: 570

5. TRUCK DESCRIPTION

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

- b. Make: Mack
 c. Model: unknown

- d. Trailer Load Distribution Description:

gravel loaded evenly along the trailer

 photo: ☒

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

A to B 14.5 B to C 4.3 C to D 15.4 D to E 4.1 E to F 0.0

- h. Wheelbase - ☐ Measured _____ ☒ Computed 38.3
- i. Kingpin offset from Axle B (units) 3'0" photo: ☐

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/8/2010
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CALIBRATION TEST TRUCK - Secondary

6. SUSPENSION

	a. Tire size	b.Suspension description (leaf, air # of leaves, taper or flat leaf, etc.)	c. photo
A	11R22.5	steel spring	☒
B	295/75R22.5	air	☒
C	295/75R22.5	air	☒
D	295/75R22.5	steel spring	☒
E	295/75R22.5	steel spring	☒
F			☐

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

Steering Axle	Axle B	Axle C	Axle D	Axle E	Axle F
113.6	112.0	91.2	106.5	103.9	
112.6	112.0	92.9	109.6	103.9	
	100.4	90.4	108.6	103.7	
	85.2	94.9	100.6	100.4	

PART B

Table 1 - Raw Measurements -Platform Scale

Axles	Meas.	Pre-test Weight	Instance	Instance	Post-test weight
A	I	10220	0	0	9840
A+B	II	22430	0	0	21940
A+B+C	III	34640	0	0	34040
A+B+C+D	IV	50440	0	0	49860
A+B+C+D+E(1)	V	66240	0	0	65680
A+B+C+D+E+(F)(1)	VI	66240	0	0	65680
B+C+D+E+(F)	VII	56040	0	0	55820
C+D+E+(F)	VIII	43790	0	0	43710
D+E+(F)	IX	31540	0	0	31600
E+(F)	X	15770	0	0	15800
(F)	XI		0	0	0
A+B+C+D+E+(F)(2)	XII	66240	0	0	65660

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/8/2010
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CALIBRATION TEST TRUCK - Secondary

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

	1		2		Avg.
Axle A	I	10220	VI-VII	10200	10210
Axle B	II-I	12210	VII-VIII	12250	12230
Axle C	III-II	12210	VIII-IX	12250	12230
Axle D	IV-III	15800	IX-X	15770	15785
Axle E	V-IV	15800	X-XI	15770	15785
Axle F	VI-V	0	XI	0	0
GVW	VI	66240	XII	66240	66240

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	9840	VI-VII	9860	9850
Axle B	II-I	12100	VII-VIII	12110	12105
Axle C	III-II	12100	VIII-IX	12110	12105
Axle D	IV-III	15820	IX-X	15800	15810
Axle E	V-IV	15820	X-XI	15800	15810
Axle F	VI-V	0	XI	0	0
GVW	VI	65680	XII	65660	65670

Traffic Sheet 19 LTPP MONITORED TRAFFIC DATA CALIBRATION TEST TRUCK # 2	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/8/2010
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CALIBRATION TEST TRUCK - Secondary

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

Pass	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW
1	10220	12210	12210	15800	15800	0	66240
2	10200	12250	12250	15770	15770	0	66240
Avg.	10210	12230	12230	15785	15785	0	66240

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	9840	12100	12100	15820	15820	0	65680
2	9840	12110	12110	15800	15800	0	65660
Avg.	9840	12105	12105	15810	15810	0	65670

Validation Test Truck Run Set - Post

Measured By: Dean J. Wolf

Verified By: Kevin Trousdale

Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 17 SPS WIM ID: 170600 DATE: (mm/dd/yyyy): 12/7/2010									
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Pvmt Temp	Radar speed	Truck	Pass	Time	Record No.	WIM Speed	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW	A-B space	B-C space	C-D space	D - E space	E - F space	Axle Length	Overall Length
4.0	52	2	1	7:30:36	41705	52.0	10.2	12.6	12.9	19.3	14.9		69.9	14.5	4.3	15.4	4.2		38.4	48.0
7.5	59	2	2	7:51:00	41723	58.0	10.1	13.3	13.1	19.2	15.3		71.1	14.4	4.3	15.4	4.1		38.2	48.0
7.5	60	1	1	7:51:33	41725	60.0	11.6	14.7	14.1	19.8	19.5		79.6	14.5	4.3	24.2	4.2		47.2	56.0
9.2	64	2	3	8:10:19	41738	64.0	10.4	13.4	12.9	20.1	15.3		72.1	14.5	4.3	15.4	4.1		38.3	48.0
9.2	65	1	2	8:11:19	41740	65.0	11.2	15.0	14.7	19.9	19.5		80.2	14.5	4.4	24.2	4.2		47.3	58.0
10.0	55	2	4	8:30:57	41778	54.0	9.8	12.8	12.7	19.4	15.2		69.8	14.4	4.3	15.4	4.1		38.2	48.0
10.0	55	1	3	8:31:44	41779	55.0	11.7	14.6	14.8	19.4	19.4		80.0	14.5	4.4	24.2	4.2		47.3	57.0
11.3	59	2	5	8:51:41	41813	59.0	10.4	14.1	12.7	20.2	15.6		72.9	14.4	4.3	15.4	4.1		38.2	48.0
11.3	60	1	4	8:51:43	41814	60.0	11.7	14.7	14.4	19.7	19.2		79.7	14.6	4.4	24.2	4.2		47.4	57.0
11.2	64	2	6	9:10:11	41830	64.0	10.1	13.6	13.1	19.6	15.2		71.6	14.5	4.3	15.4	4.1		38.3	48.0
11.2	65	1	5	9:10:46	41834	65.0	11.4	14.7	15.0	19.9	19.7		80.6	14.5	4.3	24.3	4.2		47.3	57.0
15.5	53	2	7	9:29:51	41862	53.0	10.2	12.8	12.1	18.7	14.9		71.5	14.4	4.3	15.3	4.1		38.1	48.0
15.5	55	1	6	9:30:21	41864	55.0	11.3	14.9	14.6	20.1	19.7		77.5	14.5	4.3	24.3	4.2		47.3	57.0
18.0	60	2	8	10:29:13	41946	60.0	10.3	13.0	12.8	19.2	15.3		70.7	14.5	4.4	15.4	4.1		38.4	48.0
18.0	60	1	7	10:29:20	41947	60.0	11.5	14.5	14.5	19.7	19.5		79.6	14.5	4.3	24.2	4.2		47.2	57.0
19.2	64	2	9	10:49:20	41970	64.0	10.5	13.2	12.7	18.6	15.1		70.0	14.5	4.3	15.4	4.1		38.3	48.0
19.2	64	1	8	10:49:26	41971	63.0	11.5	14.4	14.7	18.7	18.9		78.2	14.6	4.4	24.3	4.2		47.5	57.0
24.5	53	2	10	11:09:23	42025	53.0	9.6	12.4	12.4	17.7	14.8		66.8	14.4	4.3	15.4	4.1		38.2	48.0
24.5	56	1	9	11:10:06	42028	56.0	10.6	14.0	14.2	18.8	18.6		76.2	14.5	4.3	24.2	4.2		47.2	57.0
29.1	59	2	11	11:29:20	42070	59.0	10.2	13.3	12.9	18.9	14.9		70.3	14.4	4.3	15.4	4.1		38.2	48.0
29.1	65	1	10	11:29:56	42071	65.0	11.2	15.0	14.5	19.1	19.6		79.5	14.5	4.4	24.3	4.3		47.5	57.0
31.0	64	2	12	11:49:00	42110	64.0	9.9	14.2	13.7	19.0	15.4		72.2	14.5	4.3	15.4	4.1		38.3	48.0
31.0	65	1	11	11:49:23	42111	65.0	11.2	14.8	15.2	19.4	19.2		79.9	14.5	4.3	24.2	4.2		47.2	58.0
28.1	54	2	13	12:08:53	42142	53.0	10.1	13.4	12.7	18.7	15.5		70.3	14.4	4.3	15.4	4.1		38.2	48.0

Recorded By: <u> djw </u>										Verified By: <u> kt </u>										Run Set <u> Pre </u>	
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Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 17 SPS WIM ID: 170600 DATE: (mm/dd/yyyy): 12/7/2010									
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Pvmt Temp	Radar speed	Truck	Pass	Time	Record No.	WIM Speed	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW	A-B space	B-C space	C-D space	D - E space	E - F space	Axle Length	Overall Length
28.1	54	1	12	12:09:04	42143	54.0	11.7	15.0	14.8	20.0	19.2		80.9	14.6	4.4	24.3	4.2		47.5	57.0
29.4	59	2	14	12:29:23	42192	59.0	10.3	13.7	13.3	19.7	15.3		72.4	14.5	4.3	15.4	4.1		38.3	48.0
29.4	60	1	13	12:29:31	42193	60.0	11.4	14.9	14.7	19.8	19.2		80.1	14.5	4.3	24.3	4.2		47.3	57.0
26.1	64	2	15	14:04:39	42783	64.0	10.3	13.6	13.3	18.9	15.8		71.9	14.5	4.3	15.5	4.1		38.4	49.0
26.1	65	1	14	14:04:45	42784	65.0	10.9	15.3	14.5	19.9	19.6		80.2	14.5	4.4	24.3	4.2		47.4	57.0
26.0	55	2	16	14:24:46	42829	55.0	10.5	13.0	12.8	19.3	15.4		71.0	14.4	4.3	15.4	4.1		38.2	48.0
26.0	55	1	15	14:24:57	42830	55.0	11.5	15.6	14.8	20.4	21.1		83.4	14.6	4.4	24.4	4.2		47.6	57.0
24.5	60	2	17	14:45:02	42875	59.0	10.2	13.7	13.0	19.4	15.3		71.8	14.5	4.3	15.4	4.1		38.3	49.0
24.5	59	1	16	14:45:08	42876	59.0	11.2	15.1	14.8	20.0	19.6		80.7	14.6	4.4	24.3	4.2		47.5	57.0
20.2	63	2	18	15:04:37	42917	62.0	10.8	14.4	13.2	17.2	16.4		74.2	14.5	4.4	15.4	4.1		38.4	48.0
20.2	64	1	17	15:04:47	42919	65.0	11.0	15.1	15.4	21.1	20.5		83.1	14.5	4.4	24.3	4.2		47.4	57.0
19.3	54	2	19	15:24:05	42950	54.0	10.1	13.3	12.6	19.0	15.0		70.0	14.5	4.4	15.4	4.1		38.4	48.0
19.3	55	1	18	15:24:15	42951	55.0	11.2	14.7	15.1	20.4	19.2		80.6	14.5	4.4	24.3	4.2		47.4	57.0
15.3	58	2	20	15:43:20	42985	58.0	10.0	13.2	12.9	18.7	14.8		69.6	14.5	4.3	15.4	4.1		38.3	48.0
15.3	59	1	19	15:44:04	42986	59.0	11.4	14.4	14.7	19.5	19.4		79.2	14.5	4.3	24.2	4.2		47.2	57.0
15.6	64	2	21	16:03:18	43022	64.0	9.9	13.5	12.7	19.6	15.3		71.0	14.4	4.4	15.4	4.2		38.4	48.0
15.6	65	1	20	16:03:29	43023	64.0	10.8	14.7	14.9	19.8	19.6		79.9	14.5	4.3	24.3	4.2		47.3	57.0

Recorded By: <u> djw </u>	Verified By: <u> kt </u>	Run Set <u> Pre </u>
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Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 17 SPS WIM ID: 170600 DATE: (mm/dd/yyyy): 12/8/2010									
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Pvmt Temp	Radar speed	Truck	Pass	Time	Record No.	WIM Speed	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW	A-B space	B-C space	C-D space	D - E space	E - F space	Axle Length	Overall Length
2.6	54	2	1	6:53:14	45951	54.0	10.3	12.3	12.2	18.5	14.6		68.0	14.5	4.3	15.4	4.1		38.3	47.0
2.6	55	1	1	6:53:18	45952	55.0	11.6	14.3	14.4	19.2	19.1		78.7	14.5	4.4	24.2	4.2		47.3	56.0
4.1	59	2	2	7:13:09	45979	60.0	10.2	12.4	12.5	18.1	14.3		67.4	14.5	4.3	15.4	4.1		38.3	46.0
4.1	60	1	2	7:13:30	45980	60.0	11.5	14.0	13.6	18.8	18.3		76.3	14.5	4.3	24.2	4.2		47.2	55.0
4.6	63	2	3	7:33:22	46002	63.0	10.1	13.1	12.5	18.2	14.7		68.6	14.5	4.3	15.4	4.1		38.3	46.0
4.6	64	1	3	7:33:46	46003	65.0	10.7	13.9	13.3	18.8	18.0		74.8	14.5	4.4	24.2	4.2		47.3	54.0
8.5	54	2	4	7:53:06	46037	54.0	10.1	12.4	12.3	18.7	14.3		67.9	14.4	4.3	15.4	4.1		38.2	46.0
8.5	55	1	4	7:53:41	46039	55.0	11.3	13.7	14.1	18.6	18.4		75.9	14.5	4.4	24.3	4.2		47.4	55.0
10.1	58	2	5	8:12:50	46067	59.0	10.0	12.4	11.9	18.0	14.1		66.5	14.4	4.3	15.4	4.1		38.2	45.0
10.1	59	1	5	8:13:26	46069	59.0	11.4	13.8	13.7	18.2	18.0		75.0	14.5	4.4	24.3	4.2		47.4	55.0
11.9	64	2	6	8:32:24	46097	64.0	10.0	12.4	12.4	17.4	14.5		66.7	14.5	4.4	15.5	4.2		38.6	46.0
11.9	64	1	6	8:33:24	46101	65.0	10.9	13.4	13.5	18.0	18.2		74.1	14.5	4.3	24.3	4.2		47.3	55.0
14.3	55	2	7	8:52:13	46130	55.0	9.8	12.1	11.4	17.9	14.1		65.2	14.4	4.3	15.3	4.1		38.1	45.0
14.3	55	1	7	8:52:44	46133	55.0	10.6	13.9	13.4	18.5	17.7		74.1	14.5	4.4	24.2	4.2		47.3	55.0
17.5	59	2	8	9:12:16	46174	60.0	9.7	11.8	11.7	18.1	14.0		65.3	14.4	4.3	15.4	4.1		38.2	46.0
17.5	59	1	8	9:12:41	46177	59.0	11.0	13.2	13.0	18.2	17.3		72.8	14.6	4.4	24.3	4.2		47.5	55.0
18.0	64	2	9	9:32:07	46209	64.0	9.6	12.8	12.3	19.1	15.3		69.0	14.5	4.4	15.5	4.1		38.5	46.0
18.0	62	1	9	9:32:31	46212	62.0	11.2	13.2	13.3	18.6	17.5		73.8	14.6	4.3	24.2	4.2		47.3	55.0
19.2	55	2	10	9:52:36	46258	55.0	9.4	12.2	11.9	18.1	14.1		65.9	14.4	4.3	15.4	4.1		38.2	46.0
19.2	54	1	10	9:52:43	46259	55.0	11.1	13.5	13.7	18.0	17.7		74.0	14.6	4.4	24.3	4.2		47.5	55.0
23.7	59	2	11	10:12:37	46303	59.0	9.4	12.0	11.9	18.1	13.9		65.2	14.5	4.4	15.4	4.1		38.4	47.0
23.7	60	1	11	10:12:43	46305	59.0	10.8	13.1	13.9	17.9	17.5		73.2	14.5	4.3	24.3	4.2		47.3	54.0
22.8	64	2	12	10:32:36	46331	64.0	9.8	12.5	11.9	18.2	13.7		66.2	14.5	4.3	15.4	4.1		38.3	46.0
22.8	62	1	12	10:32:46	46333	63.0	10.7	13.4	13.4	18.6	17.4		73.5	14.5	4.4	24.3	4.2		47.4	55.0

Recorded By: <u> djw </u>	Verified By: <u> kt </u>	Run Set <u> </u> Post <u> </u>
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Traffic Sheet 21 (Wheel Load) LTPP MONITORED TRAFFIC DATA WIM SYSTEM TRUCK RECORDS										STATE CODE: 17 SPS WIM ID: 170600 DATE: (mm/dd/yyyy): 12/8/2010									
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Pvmt Temp	Radar speed	Truck	Pass	Time	Record No.	WIM Speed	Axle A	Axle B	Axle C	Axle D	Axle E	Axle F	GVW	A-B space	B-C space	C-D space	D - E space	E - F space	Axle Length	Overall Length
24.6	55	2	13	10:58:31	46375	54.0	9.8	11.8	11.7	17.5	13.4		64.3	14.4	4.3	15.3	4.1		38.1	46.0
24.6	57	1	13	10:58:36	46376	56.0	10.8	13.3	12.9	18.2	17.6		72.7	14.5	4.3	24.2	4.2		47.2	55.0
28.6	59	2	14	12:22:25	46896	59.0	9.6	11.9	11.8	17.4	14.1		64.9	14.5	4.3	15.4	4.1		38.3	46.0
28.6	59	1	14	12:22:30	46897	59.0	10.7	13.9	13.9	18.3	18.2		75.0	14.5	4.3	24.3	4.2		47.3	55.0
28.3	64	2	15	12:42:30	46935	64.0	9.6	12.9	12.3	18.1	14.2		67.2	14.4	4.3	15.4	4.1		38.2	46.0
28.3	63	1	15	12:42:35	46936	64.0	10.7	14.1	14.3	18.5	18.5		76.3	14.5	4.4	24.3	4.2		47.4	54.0
28.4	61	2	16	13:02:00	46966	54.0	9.7	12.2	12.0	17.6	14.6		66.1	14.5	4.3	15.4	4.1		38.3	46.0
28.4	55	1	16	13:02:10	46968	55.0	10.9	13.8	13.7	18.4	17.8		74.6	14.6	4.4	24.2	4.2		47.4	55.0
25.9	66	2	17	13:21:23	47024	59.0	9.6	12.3	11.8	17.4	13.6		64.7	14.5	4.3	15.4	4.1		38.3	46.0
25.9	60	1	17	13:21:47	47027	59.0	10.5	13.6	13.4	18.2	17.6		73.4	14.6	4.4	24.2	4.2		47.4	55.0
27.9	64	2	18	13:40:44	47080	64.0	9.6	12.9	11.9	17.7	14.1		66.2	14.4	4.3	15.4	4.1		38.2	46.0
27.9	63	1	18	13:41:03	47081	64.0	10.8	13.6	13.1	18.7	18.0		74.3	14.6	4.4	24.3	4.2		47.5	55.0
25.2	54	2	19	13:59:45	47127	54.0	9.8	11.8	11.9	17.9	13.9		65.3	14.4	4.3	15.4	4.1		38.2	46.0
25.2	54	1	19	13:59:56	47128	54.0	11.0	13.8	13.6	18.5	18.6		75.3	14.6	4.4	24.2	4.2		47.4	55.0
24.6	62	2	20	14:19:17	47201	59.0	9.5	12.7	11.9	18.8	14.2		67.0	14.5	4.3	15.5	4.1		38.4	46.0
24.6	60	1	20	14:19:25	47202	60.0	10.9	13.5	13.2	18.6	17.6		73.8	14.5	4.4	24.3	4.2		47.4	55.0

Recorded By: <u> djw </u>	Verified By: <u> kt </u>	Run Set <u> </u> Post <u> </u>
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Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 17 SPS WIM ID: 170600 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 12/7/2010
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SITE EQUIPMENT INFORMATION

1. TYPE OF EQUIPMENT BOTH
2. LANE NUMBER ON SITE 1 3. DIRECTION ON SITE north
4. VENDOR IRD MODEL iSINC SERIAL#
5. WEIGHING SENSOR TYPE bending plate
6. SYSTEM SOFTWARE VERSIONS:
- CPU
- LOOP
- PIEZO
- WEIGHTPAD/ LOADCELL
- COMMUNICATIONS
7. CLASSIFICATION VIDEO:
- TIME FROM: TO:
TIME FROM: TO:

SITE CONDITIONS

8. PAVEMENT:

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

significant cracking at 396 feet prior to scales has faulting; grinding at 405 feet prior to scales; transition from asphalt to concrete 421 feet prior to scales

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 17 SPS WIM ID: 170600 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 12/7/2010
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9. IN ROAD SENSORS:

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

no sensor installation deficiencies noted

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 truck movement deficiencies noted

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

Tape Filename: _____

Time: _____

From: _____

To: _____

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 17 SPS WIM ID: 170600 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 12/7/2010
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11. CLASSIFICATION VERIFICATION VIDEO:

TAPE 1- NAME: _____

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

TAPE 2- NAME: _____

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

TAPE 3- NAME: _____

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

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 17 SPS WIM ID: 170600 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 12/7/2010
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SYSTEM ACCURACY TESTS

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

Speed Accuracy - Complete Sheet 20 and attach.

Average radar speed	<u>62.7</u> mph	Average WIM Speed	<u>62.8</u> mph
Mean Difference	<u>0.0</u> mph	SD of mean	<u>1.0</u>

Posted Speed Limit	<u>65</u> mph		
Speed Range	15th percentile - <u>62</u> mph	85th percentile-	<u>68</u> mph

Spacing and Weight - Complete Sheet 21 and attach.

Average distance between axles of drive tandem		<u> </u> feet	
% error from 4.25 ft (industry average)	OR	<u>4.34</u>	ft (WIM system average)
= <u>2.0</u> %			

Average front axle weight for Class 9 vehicles		<u> </u> lbs	
% error from 10.3 kips (industry average) OR		<u>10.7</u>	lbs (known site value)
= <u>4.2</u> %			

SUPPORT EQUIPMENT STRUCTURES

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

Cabinet/Foundation None ☒

Pull Boxes None ☒

Mast None ☐

N/A

Solar Panels None ☐

N/A

Traffic Sheet 22 LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 17 SPS WIM ID: 170600 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 12/7/2010
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Telephone D-Mark Box None ☒

Power Service Box None ☒

Grounding None ☒

Conduit None ☒

STATIC AND DYNAMIC ELECTRONIC EQUIPMENT TESTS

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

ADDITIONAL COMMENTS

Assessor _____ Dean J. Wolf

Traffic Sheet 22 Addendum - Weighpad LTPP MONITORED TRAFFIC DATA SITE EQUIPMENT ASSESSMENT LTPP LANE ONLY	STATE CODE: 17 SPS WIM ID: 170600 STATE ASSIGNED ID 0 DATE (mm/dd/yyyy) 12/8/2010
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STATIC EQUIPMENT VALUES (SYSTEM OFF)

1. POWER

a. Solar Panel		WATTS		VDC
b. Equipment Power	120.9	VAC		VDC
c. Battery 1	13.4	VDC		
d. Battery 2		VDC		
e. Regulated		VDC		
f. Power Supply	13.4	VDC		VDC
g. System Input		VAC	11.3	VDC
h. Modem Power	120.9	VAC		VDC
i. Telephone	53.4	VDC		

2. LOOP SENSORS

	Resistance		Inductance		Shield	
a. Leading	0.9	Ω	134.3	μh	inf	M Ω
b. Trailing	0.7	Ω	135.3	μh	inf	M Ω

3. WEIGHPAD SENSORS

	Input		Output		Shield	
a. Leading	968	Ω	844	Ω	inf	Ω
b. Trailing	967	Ω	844	Ω	inf	Ω

DYNAMIC EQUIPMENT VALUES (SYSTEM ON)

4. LOOP SENSORS

	Frequency	
a. Leading	21	KHz
b. Trailing	21	KHz

5. WEIGHPAD SENSORS

	Zero Point	
a. Leading	-0.1	mV
b. Trailing	0.2	mV

Assessor Dean J. Wolf

Traffic Sheet 24A LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Equipment	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/7/2010
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Item	Description	Filename
1	Power Source	170600_power_service_box_12_7_10.jpg
2	Telephone Source	170600_telephone_pedestal_12_7_10.jpg
3	Cabinet Exterior	170600_cabinet_exterior_12_7_10.jpg
4	Cabinet Interior	170600_cabinet_interior_front_12_7_10.jpg
5	Leading weight sensor	170600_leading_WIM_sensor_12_7_10.jpg
6	Trailing weight sensor	170600_trailing_WIM_sensor_12_7_10.jpg
7	Leading classification sensor	
8	Trailing classification sensor	
9	Leading loop sensor	170600_leading_loop_sensor_12_7_10.jpg
10	Trailing loop sensor	170600_trailing_loop_sensor_12_7_10.jpg
11	Downstream from site	170600_downstream_12_7_10.jpg
12	Upstream from site	170600_upstream_12_7_10.jpg
13	Cabinet Interior - Rear	170600_cabinet_interior_rear_12_7_10.jpg
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RECORDED BY: _____ Dean J. Wolf

Traffic Sheet 24B LTPP MONITORED TRAFFIC DATA SITE PHOTO LOG - Test Trucks	STATE CODE: 17 SPS WIM ID: 170600 DATE (mm/dd/yyyy) 12/7/2010
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Item	Description	Filename
1	Tractor, Truck #1	170600_Truck_1_Tractor_12_7_10.jpg
2	Trailer/Load, Truck #1	170600_Truck_1_Trailer_12_7_10.jpg
3	Kingpin Offset, Truck #1	
4	Suspension A, Truck #1	170600_Truck_1_Suspension_1_12_7_10.jpg
5	Suspension B, Truck #1	170600_Truck_1_Suspension_2_3_12_7_10.jpg
6	Suspension C, Truck #1	
7	Suspension D, Truck #1	170600_Truck_1_Suspension_4_5_12_7_10.jpg
8	Suspension E, Truck #1	
9	Suspension F, Truck #1	
10	Tractor, Truck #2	170600_Truck_2_Tractor_12_7_10.jpg
11	Trailer/Load, Truck #2	170600_Truck_2_Trailer_12_7_10.jpg
12	Kingpin Offset, Truck #2	
13	Suspension A, Truck #2	170600_Truck_2_Suspension_1_12_7_10.jpg
14	Suspension B, Truck #2	170600_Truck_2_Suspension_2_3_12_7_10.jpg
15	Suspension C, Truck #2	
16	Suspension D, Truck #2	170600_Truck_2_Suspension_4_5_12_7_10.jpg
17	Suspension E, Truck #2	
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	
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RECORDED BY: _____ Dean J Wolf