

ENTERED JUN 28 2010

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[0188]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5000]

nb

Sim Sites  
S058 ✓  
S081 ✓  
S091 ✓

SITE CALIBRATION INFORMATION

- \* DATE OF CALIBRATION (MONTH/DAY/YEAR) 12/13/2010
- \* TYPE OF EQUIPMENT CALIBRATED WIM CLASSIFIER BOTH
- \* REASON FOR CALIBRATION  
☒ REGULARLY SCHEDULED SITE VISIT RESEARCH  
☐ EQUIPMENT REPLACEMENT TRAINING  
☐ DATA TRIGGERED SYSTEM REVISION NEW EQUIPMENT INSTALLATION  
☐ OTHER (SPECIFY) \_\_\_\_\_
- \* SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):  
☐ BARE ROUND PIEZO CERAMIC ☒ BARE FLAT PIEZO ☐ BENDING PLATES  
☐ CHANNELIZED ROUND PIEZO ☐ LOAD CELLS ☐ QUARTZ PIEZO  
☐ CHANNELIZED FLAT PIEZO ☒ INDUCTANCE LOOPS ☐ CAPACITANCE PADS  
☐ OTHER (SPECIFY) \_\_\_\_\_
- EQUIPMENT MANUFACTURER IRD

WIM SYSTEM CALIBRATION SPECIFICS\*\*

- \*\* CALIBRATION TECHNIQUE USED:  
☐ TRAFFIC STREAM ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS  
☐ NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED  
☐ 10 PASSES PER TRUCK  
 TRUCK TYPE SUSPENSION  

TYPE PER FHWA 13 BIN SYSTEM	1	<u>9</u>	<u>2</u>
SUSPENSION: 1 - AIR; 2 - LEAF SPRING	2		
3 - OTHER (DESCRIBE)	3		

- SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
 MEAN DIFFERENCE BETWEEN --  
 DYNAMIC AND STATIC GVW 1.0 STANDARD DEVIATION 0.96  
 DYNAMIC AND STATIC SINGLE AXLES 0.8 STANDARD DEVIATION 0.8  
 DYNAMIC AND STATIC DOUBLE AXLES 1.0 STANDARD DEVIATION 0.96

- 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

- DEFINE THE SPEED RANGES USED (MPH) 50 55 60

- CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) Avg. 0.71 Sans 2 0.7203  
3 0.7085

- \*\* IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) ☒  
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: Adjusted by convergence

CLASSIFIER TEST SPECIFICS\*\*

- \*\* METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:  
☐ VIDEO ☒ MANUAL ☐ PARALLEL CLASSIFIERS

- METHOD TO DETERMINE LENGTH OF COUNT TIME 10 NUMBER OF TRUCKS

- MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:

*** FHWA CLASS 9	<u>8</u>	FHWA CLASS	_____
*** FHWA CLASS 8	<u>8</u>	FHWA CLASS	_____
		FHWA CLASS	_____
		FHWA CLASS	_____

\*\*\* PERCENT "UNCLASSIFIED" VEHICLES: 0

PERSON LEADING CALIBRATION EFFORT: \_\_\_\_\_  
 CONTACT INFORMATION: \_\_\_\_\_ rev. November 9, 1999