

<b>SHEET 16</b> <b>LTPP MONITORED TRAFFIC DATA</b> <b>SITE CALIBRATION SUMMARY</b>	*STATE ASSIGNED ID [_____]
	*STATE CODE [48]
	*SHRP SECTION ID [1039]

### SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [03/17/2004]
2. \* TYPE OF EQUIPMENT CALIBRATED ☒ WIM CLASSIFIER ☒ BOTH  
 CG 1/31/08
3. \* REASON FOR CALIBRATION  
☒ REGULARLY SCHEDULED SITE VISIT  
☐ EQUIPMENT REPLACEMENT  
☐ DATA TRIGGERED SYSTEM REVISION  
☐ OTHER (SPECIFY) \_\_\_\_\_  
☐ RESEARCH  
☐ TRAINING  
☐ NEW EQUIPMENT INSTALLATION
4. \* 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) Piezo Class 1 Thermocouple
5. EQUIPMENT MANUFACTURER Hestia Electronic

### WIM SYSTEM CALIBRATION SPECIFICS\*\*

- 6.\*\* CALIBRATION TECHNIQUE USED:  
☐ TRAFFIC STREAM - ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS  
☐ NUMBER OF TRUCKS COMPARED \_\_\_\_\_ ☒ 2 NUMBER OF TEST TRUCKS USED

2 PASSES PER TRUCK		
TRUCK	TYPE	SUSPENSION
1	6	1
2	6	1
3	6	1

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

ANV 4/22/05

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
 MEAN DIFFERENCE BETWEEN —  
 DYNAMIC AND STATIC GVW 8.0 STANDARD DEVIATION 1.7  
 DYNAMIC AND STATIC SINGLE AXLES -38.9 STANDARD DEVIATION 4.0  
 DYNAMIC AND STATIC DOUBLE AXLES 46.1 STANDARD DEVIATION 4.1
8. 1 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 54 - 60
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) \_\_\_\_\_
- 11.\*\* IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y  
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: \_\_\_\_\_

### CLASSIFIER TEST SPECIFICS\*\*\*

- 12.\*\*\* METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:  
☐ VIDEO ☐ MANUAL ☐ PARALLEL CLASSIFIERS
13. METHOD TO DETERMINE LENGTH OF COUNT ☐ TIME ☐ NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:  
 \*\*\* FHWA CLASS 9 \_\_\_\_\_ FHWA CLASS \_\_\_\_\_  
 \*\*\* FHWA CLASS 8 \_\_\_\_\_ FHWA CLASS \_\_\_\_\_  
 \_\_\_\_\_ FHWA CLASS \_\_\_\_\_  
 \_\_\_\_\_ FHWA CLASS \_\_\_\_\_  
 \*\*\* PERCENT "UNCLASSIFIED" VEHICLES: \_\_\_\_\_

PERSON LEADING CALIBRATION EFFORT:  
 CONTACT INFORMATION:

rev. November 9, 1999

ENTERED JAN 09 2008 C G  
 ENTERED JAN 31 2008 C G