

file 800.12.2.8.12

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[521]
	*STATE CODE	[04]
	*SHRP SECTION ID	[7079]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) **06/30/2005**
2. * TYPE OF EQUIPMENT CALIBRATED X WIM CLASSIFIER BOTH
3. * REASON FOR CALIBRATION
 X REGULARLY SCHEDULED SITE VISIT RESEARCH
 EQUIPMENT REPLACEMENT TRAINING
 DATA TRIGGERED SYSTEM REVISION NEW EQUIPMENT INSTALLATION
 OTHER (SPECIFY)
4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):
 BARE ROUND PIEZO CERAMIC X BARE FLAT PIEZO BENDING PLATES
 CHANNELIZED ROUND PIEZO LOAD CELLS QUARTZ PIEZO
 CHANNELIZED FLAT PIEZO INDUCTANCE LOOPS CAPACITANCE PADS
 OTHER (SPECIFY)
5. EQUIPMENT MANUFACTURER PAT

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
 TRAFFIC STREAM -- STATIC SCALE (Y/N) X TEST TRUCKS
 NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED
- | | <u> 2 </u> TRUCK | <u> 5 </u> TYPE | PASSES PER TRUCK
SUSPENSION |
|--------------------------------------|------------------|-----------------|--------------------------------|
| TYPE PER FHWA 13 BIN SYSTEM | <u> 1 </u> | <u> 9 </u> | <u> 1 </u> |
| SUSPENSION: 1 - AIR; 2 - LEAF SPRING | <u> 2 </u> | <u> </u> | <u> </u> |
| 3 - OTHER (DESCRIBE) | <u> 3 </u> | <u> </u> | <u> </u> |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN ---
DYNAMIC AND STATIC GVW **3.1 -3.9** STANDARD DEVIATION **7.66 2.82**
DYNAMIC AND STATIC SINGLE AXLES **5.8 -0.3** STANDARD DEVIATION **10.91 3.73**
DYNAMIC AND STATIC DOUBLE AXLES **2.3 -5.2** STANDARD DEVIATION **8.53 0.93**
8. **3** NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) **45,55,65**
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) **1055, 1039**
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) **N**
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
FHWA CLASS
*** PERCENT "UNCLASSIFIED" VEHICLES:

PERSON LEADING CALIBRATION EFFORT: Greg Felsing IRD
CONTACT INFORMATION: 435-632-4142

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SK