

file: 600.12.02.8.12

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[520]
	*STATE CODE	[04]
	*SHRP SECTION ID	[1002]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) **06/17/2005**
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> | <u>5</u> | PASSES PER TRUCK |
| | TRUCK | TYPE | SUSPENSION |
| TYPE PER FHWA 13 BIN SYSTEM | 1 | <u>9</u> | <u>1</u> |
| SUSPENSION: 1 - AIR; 2 - LEAF SPRING | 2 | <u> </u> | <u> </u> |
| 3 - OTHER (DESCRIBE) | 3 | <u> </u> | <u> </u> |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN ---
DYNAMIC AND STATIC GVW **2.4 4.4** STANDARD DEVIATION **2.13 2.37**
DYNAMIC AND STATIC SINGLE AXLES **14.8 13.7** STANDARD DEVIATION **5.14 2.55**
DYNAMIC AND STATIC DOUBLE AXLES **0.3 2.8** STANDARD DEVIATION **2.32 3.61**
8. **3** NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) **50,60,70**
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) **630, 688**
- 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
*** PERCENT "UNCLASSIFIED" VEHICLES:

PERSON LEADING CALIBRATION EFFORT: Greg Felsing IRD	rev. November 9, 1999
CONTACT INFORMATION: 435-632-4142	

ENTERED SEP 30 2005
[Signature]