

*STATE ASSIGNED [525]
*STATE CODE [04]
*SHRP SECTION ID [~~0101~~]

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) **[06/13-14/2005]**
2. * TYPE OF EQUIPMENT CALIBRATED **X** WIM CLASSIFIER BOTH
3. * REASON FOR CALIBRATION
- | | |
|--|--|
| <u>X</u> REGULARLY SCHEDULED SITE VISIT | <u> </u> RESEARCH |
| <u> </u> EQUIPMENT REPLACEMENT | <u> </u> TRAINING |
| <u> </u> DATA TRIGGERED SYSTEM REVISION | <u> </u> NEW EQUIPMENT INSTALLATION |
| <u> </u> OTHER (SPECIFY) _____ | |
-
4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):
- | | | |
|--------------------------------------|------------------------------|--------------------------------|
| <u> </u> BARE ROUND PIEZO CERAMIC | <u> </u> BARE FLAT PIEZO | <u>X</u> BENDING PLATES |
| <u> </u> CHANNELIZED ROUND PIEZO | <u> </u> LOAD CELLS | <u> </u> QUARTZ PIEZO |
| <u> </u> CHANNELIZED FLAT PIEZO | <u> </u> INDUCTANCE LOOPS | <u> </u> CAPACITANCE PADS |
| <u> </u> OTHER (SPECIFY) _____ | | |
-
5. EQUIPMENT MANUFACTURER **PAT**

- 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 | _____ | _____ | |
| 3 - OTHER (DESCRIBE) | 3 | _____ | _____ | |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN ---
- | | | | | | |
|---------------------------------|------|------|--------------------|------|------|
| DYNAMIC AND STATIC GVW | 1.8 | -1.4 | STANDARD DEVIATION | 1.01 | 1.71 |
| DYNAMIC AND STATIC SINGLE AXLES | -8.4 | 1.0 | STANDARD DEVIATION | 2.72 | 4.50 |
| DYNAMIC AND STATIC DOUBLE AXLES | 3.3 | -2.0 | STANDARD DEVIATION | 2.85 | 4.15 |
8. **3** NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) **40,50,60**
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) **995,956**
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) **N**
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE:

- 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: _____

rev. November 9, 1999
ENTERED SEP 3 2005
 8.16