

PERSON LEADING CALIBRATION EFFORT: Dean J. Wolf
CONTACT INFORMATION: 301-210-5105 rev. November 9, 1999

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [_ 0 _ 3 / _ 0 _ 3 / _ 2 _ 0 _ 0 _ 4 _]
2. * TYPE OF EQUIPMENT CALIBRATED _ WIM _ XX _ CLASSIFIER _ BOTH
3. * REASON FOR CALIBRATION
- _ REGULARLY SCHEDULED SITE VISIT _ RESEARCH
- _ EQUIPMENT REPLACEMENT _ TRAINING
- _ DATA TRIGGERED SYSTEM REVISION _ NEW EQUIPMENT INSTALLATION
- _ LTPP VALIDATION _ X _ LTPP ASSESSMENT
- _ OTHER (SPECIFY) _____
4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):
- _ BARE ROUND PIEZO CERAMIC _ BARE FLAT PIEZO _ X _ BENDING PLATES
- _ CHANNELIZED ROUND PIEZO _ LOAD CELLS _ QUARTZ PIEZO
- _ CHANNELIZED FLAT PIEZO _ X _ INDUCTANCE LOOPS _ CAPACITANCE PADS
- _ OTHER (SPECIFY) _____
5. EQUIPMENT MANUFACTURER _____ PAT DAW _____

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED: _____
 PROTOCOL: a. SOURCE _____
 _____ NUMBER OF TRUCKS COMPARED
- b. BASIC METHOD _____
 _____ NUMBER OF TEST TRUCKS USED
- | TYPE PER FHWA 13 BIN SYSTEM
SUSPENSION: 1 - AIR; 2 - LEAF SPRING
3 - OTHER (DESCRIBE) | PASSES PER TRUCK | |
|---|------------------|------------|
| | TRUCK TYPE | SUSPENSION |
| | 1 _____ | _____ |
| | 2 _____ | _____ |
| | 3 _____ | _____ |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN ---
 DYNAMIC AND STATIC GVW _____ STANDARD DEVIATION _____
 DYNAMIC AND STATIC SINGLE AXLES _____ STANDARD DEVIATION _____
 DYNAMIC AND STATIC DOUBLE AXLES _____ STANDARD DEVIATION _____
8. _____ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) _____

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) _____
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) _____
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: _____

CLASSIFIER TEST SPECIFICS***

- 12.*** METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:
 ___ VIDEO _XX_ MANUAL ___ PARALLEL CLASSIFIERS
13. METHOD TO DETERMINE LENGTH OF COUNT ___ TIME _X_ NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
 *** TMG CLASS 9 0 TMG CLASS 5 -39
 TMG CLASS 6 -38 TMG CLASS _____
 TMG CLASS _____ TMG CLASS _____
- *** PERCENT "UNCLASSIFIED" VEHICLES: 22

PERSON LEADING CALIBRATION EFFORT: Dean J. Wolf rev bko 5/21/2009
CONTACT INFORMATION: 301-210-5105 rev. March 24, 2009

ENTERED

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [5 2 5]
*STATE CODE [04]
*SHRP SECTION ID [0 1 0 0]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [June / 01 / 2004]
2. * TYPE OF EQUIPMENT CALIBRATED ☒ WIM ☐ CLASSIFIER ☐ BOTH
3. * REASON FOR CALIBRATION
☒ 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 ☒ 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) ☒ TEST TRUCKS
☐ NUMBER OF TRUCKS COMPARED ☐ 1 NUMBER OF TEST TRUCKS USED
- | TYPE PER FHWA 13 BIN SYSTEM
SUSPENSION: 1 - AIR; 2 - LEAF SPRING
3 - OTHER (DESCRIBE) | PASSES PER TRUCK | | |
|---|------------------|------|------------|
| | TRUCK | TYPE | SUSPENSION |
| | 1 | 9 | AIR |
| | 2 | | |
| | 3 | | |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN ---
DYNAMIC AND STATIC GVW 0.80 STANDARD DEVIATION 0.78
DYNAMIC AND STATIC SINGLE AXLES 4.59 STANDARD DEVIATION 0.46
DYNAMIC AND STATIC DOUBLE AXLES 2.02 STANDARD DEVIATION 0.18
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) _____
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) YES
IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: _____

ENTERED MAY 19 2005
[Signature]