

# ORIGINAL

- PERSON LEADING CALIBRATION EFFORT: PEAN J. WOLF  
CONTACT INFORMATION: 301-210-5105 MACTEC ENGINEERING & CONSULTING, INC. rev. November 9, 1999

ENTERED MAR 27 2006

<b>SHEET 16</b> <b>LTPP MONITORED TRAFFIC DATA</b> <b>SITE CALIBRATION SUMMARY</b>	*STATE ASSIGNED ID [ <u>010</u> ] *STATE CODE [ <u>17</u> ] *SHRP SECTION ID [ <u>05-00</u> ] <u>0600</u>
--	---

## SITE CALIBRATION INFORMATION

ORIGINAL

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [ 09 / 08 / 2005 ]
2. \* TYPE OF EQUIPMENT CALIBRATED    WIM    CLASSIFIER    BOTH X
3. \* REASON FOR CALIBRATION  
   REGULARLY SCHEDULED SITE VISIT    RESEARCH  
   EQUIPMENT REPLACEMENT    TRAINING  
   DATA TRIGGERED SYSTEM REVISION X 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 X BENDING PLATES  
   CHANNELIZED ROUND PIEZO    LOAD CELLS    QUARTZ PIEZO  
   CHANNELIZED FLAT PIEZO X INDUCTANCE LOOPS    CAPACITANCE PADS  
   OTHER (SPECIFY)
5. EQUIPMENT MANUFACTURER 180 MAT TRAFFIC

## WIM SYSTEM CALIBRATION SPECIFICS\*\*

- 6.\*\*CALIBRATION TECHNIQUE USED:  
   TRAFFIC STREAM --    STATIC SCALE (Y/N) X TEST TRUCKS  
   NUMBER OF TRUCKS COMPARED    2 NUMBER OF TEST TRUCKS USED  
   20 PASSES PER TRUCK
- | TRUCK | TYPE | SUSPENSION |
|-------|------|------------|
| 1     | 9    | 1          |
| 2     | 9    | 1          |
| 3     |      |            |
- TYPE PER FHWA 13 BIN SYSTEM  
 SUSPENSION: 1 - AIR; 2 - LEAF SPRING  
 3 - OTHER (DESCRIBE)
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
 MEAN DIFFERENCE BETWEEN ---  
 DYNAMIC AND STATIC GVW    1.5 STANDARD DEVIATION    2.9  
 DYNAMIC AND STATIC SINGLE AXLES    -3.0 STANDARD DEVIATION    6.5  
 DYNAMIC AND STATIC DOUBLE AXLES    2.4 STANDARD DEVIATION    3.5
8.    3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH)    50 55 60
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED)    3710
- 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 X MANUAL    PARALLEL CLASSIFIERS
13. METHOD TO DETERMINE LENGTH OF COUNT    TIME X NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:  
 \*\*\* FHWA CLASS 9    0.0 FHWA CLASS     
 \*\*\* FHWA CLASS 8    0.0 FHWA CLASS     
 FHWA CLASS     
 FHWA CLASS     
 \*\*\* PERCENT "UNCLASSIFIED" VEHICLES:    0.0

PERSON LEADING CALIBRATION EFFORT: YUAN J. WOLF  
 CONTACT INFORMATION: MAXEL ENGINEERING & CONSULTING, INC. 301-110-5105 rev. November 9, 1999

ENTERED MAR 27 2006