

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED [ 506 ] *STATE CODE [ 04 ] *SHRP SECTION ID [ 6060 ]
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## SITE CALIBRATION INFORMATION

- \* DATE OF CALIBRATION (MONTH/DAY/YEAR) **06/27/2005**
- \* TYPE OF EQUIPMENT CALIBRATED X WIM      CLASSIFIER      BOTH
- \* REASON FOR CALIBRATION  
X REGULARLY SCHEDULED SITE VISIT      RESEARCH  
     EQUIPMENT REPLACEMENT      TRAINING  
     DATA TRIGGERED SYSTEM REVISION      NEW EQUIPMENT INSTALLATION  
     OTHER (SPECIFY)
- \* 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)
- EQUIPMENT MANUFACTURER PAT

## WIM SYSTEM CALIBRATION SPECIFICS\*\*

- \*\* CALIBRATION TECHNIQUE USED:  
     TRAFFIC STREAM --      STATIC SCALE (Y/N) X TEST TRUCKS  
     NUMBER OF TRUCKS COMPARED      1 NUMBER OF TEST TRUCKS USED  

	<u>25</u> PASSES PER TRUCK
TRUCK TYPE SUSPENSION	
TYPE PER FHWA 13 BIN SYSTEM	
SUSPENSION: 1 - AIR; 2 - LEAF SPRING	1
3 - OTHER (DESCRIBE)	
- SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
 MEAN DIFFERENCE BETWEEN ---  
 DYNAMIC AND STATIC GVW **12.9 0.3** STANDARD DEVIATION **3.09 2.73**  
 DYNAMIC AND STATIC SINGLE AXLES **1.8 9.6** STANDARD DEVIATION **11.73 3.89**  
 DYNAMIC AND STATIC DOUBLE AXLES **10.9 -1.3** STANDARD DEVIATION **6.63 4.86**
- 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
- DEFINE THE SPEED RANGES USED (MPH) **50, 60, 70**
- CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) **603 841**
- \*\* IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) N  
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE:

## CLASSIFIER TEST SPECIFICS\*\*\*

- \*\*\* METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:  
     VIDEO      MANUAL      PARALLEL CLASSIFIERS
- METHOD TO DETERMINE LENGTH OF COUNT      TIME      NUMBER OF TRUCKS
- 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  
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July 12, 2005

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