

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID [_____] *STATE CODE [06] *SHRP SECTION ID [0200]
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [3/25/2008]
2. * TYPE OF EQUIPMENT CALIBRATED ____ WIM ____ CLASSIFIER X BOTH
3. * REASON FOR CALIBRATION
 ____ REGULARLY SCHEDULED SITE VISIT
 ____ EQUIPMENT REPLACEMENT
 ____ DATA TRIGGERED SYSTEM REVISION
X OTHER (SPECIFY) LTPP Validation
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 IRD/PAT 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 1.1 STANDARD DEVIATION 1.1
 DYNAMIC AND STATIC SINGLE AXLES 1.2 STANDARD DEVIATION 1.7
 DYNAMIC AND STATIC DOUBLE AXLES 1.0 STANDARD DEVIATION 1.4
8. 3 ____ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 45 50 55
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3360
- 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 FHWA CLASS ____
 *** FHWA CLASS 8 0 FHWA CLASS ____
 FHWA CLASS ____
 FHWA CLASS ____
 *** PERCENT "UNCLASSIFIED" VEHICLES: 0.0

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

File: 800.12.39.12

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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [3/26/2008]
2. * TYPE OF EQUIPMENT CALIBRATED WIM CLASSIFIER X BOTH
3. * REASON FOR CALIBRATION

<u> </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> X </u> OTHER (SPECIFY) <u> LTPP Validation </u>	
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> X </u> INDUCTANCE LOOPS	<u> </u> CAPACITANCE PADS
<u> </u> OTHER (SPECIFY) _____		
5. EQUIPMENT MANUFACTURER IRD/ PAT Traffic

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:

<u> </u> TRAFFIC STREAM -- <u> </u> STATIC SCALE (Y/N)	<u> X </u> TEST TRUCKS
<u> </u> NUMBER OF TRUCKS COMPARED	<u> 2 </u> NUMBER OF TEST TRUCKS USED
	<u> 20 </u> PASSES PER TRUCK

TYPE PER FHWA 13 BIN SYSTEM	TRUCK	TYPE	SUSPENSION
SUSPENSION: 1 - AIR; 2 - LEAF SPRING	1	9	1
3 - OTHER (DESCRIBE)	2	9	1
	3		
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)

MEAN DIFFERENCE BETWEEN ---	
DYNAMIC AND STATIC GVW	<u> 1.2 </u> STANDARD DEVIATION <u> 0.7 </u>
DYNAMIC AND STATIC SINGLE AXLES	<u> 0.3 </u> STANDARD DEVIATION <u> 1.8 </u>
DYNAMIC AND STATIC DOUBLE AXLES	<u> 1.3 </u> STANDARD DEVIATION <u> 1.4 </u>
8. 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 45 50 55
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3360
- 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:

<u> </u> VIDEO	<u> X </u> MANUAL	<u> </u> PARALLEL CLASSIFIERS
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13. METHOD TO DETERMINE LENGTH OF COUNT TIME X NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:

*** FHWA CLASS 9 <u> 0 </u>	FHWA CLASS	_____	_____
*** FHWA CLASS 8 <u> 0 </u>	FHWA CLASS	_____	_____
	FHWA CLASS	_____	_____
	FHWA CLASS	_____	_____

*** PERCENT "UNCLASSIFIED" VEHICLES: 0.0

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