

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID [_____]] *STATE CODE [35] *SHRP SECTION ID [0100]
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [8/20/2008]
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 ASed reval
4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):
 ____ BARE ROUND PIEZO CERAMIC
 ____ CHANNELIZED ROUND PIEZO
 ____ CHANNELIZED FLAT PIEZO
 ____ OTHER (SPECIFY) _____
 ____ BARE FLAT PIEZO
 ____ LOAD CELLS
 X INDUCTANCE LOOPS
 ____ BENDING PLATES
 X QUARTZ PIEZO
 ____ CAPACITANCE PADS
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 5.0 STANDARD DEVIATION 1.6
 DYNAMIC AND STATIC SINGLE AXLES 2.1 STANDARD DEVIATION 2.3
 DYNAMIC AND STATIC DOUBLE AXLES 5.7 STANDARD DEVIATION 3.1
8. 3 ____ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 65 70 75 _____
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3332/2975
- 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 5 0
 *** 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
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RECD
 SEP 24 2008
 12:00 PM

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID [_____] [35] *STATE CODE [35] *SHRP SECTION ID [0100]
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [8/21/2008]
2. * TYPE OF EQUIPMENT CALIBRATED ____ WIM ____ CLASSIFIER X BOTH
3. * REASON FOR CALIBRATION

____ REGULARLY SCHEDULED SITE VISIT	____ RESEARCH
____ EQUIPMENT REPLACEMENT	____ TRAINING
____ DATA TRIGGERED SYSTEM REVISION	____ 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):

____ BARE ROUND PIEZO CERAMIC	____ BARE FLAT PIEZO	____ BENDING PLATES
____ CHANNELIZED ROUND PIEZO	____ LOAD CELLS	<u> X </u> QUARTZ PIEZO
____ CHANNELIZED FLAT PIEZO	<u> X </u> 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)	<u> X </u> TEST TRUCKS
____ 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	<u> 9 </u>	<u> 1 </u>
3 - OTHER (DESCRIBE)	2	<u> 9 </u>	<u> 1 </u>
	3	____	____
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)

MEAN DIFFERENCE BETWEEN ____	
DYNAMIC AND STATIC GVW <u> 1.0 </u>	STANDARD DEVIATION <u> 2.4 </u>
DYNAMIC AND STATIC SINGLE AXLES <u> 0.8 </u>	STANDARD DEVIATION <u> 2.7 </u>
DYNAMIC AND STATIC DOUBLE AXLES <u> 1.1 </u>	STANDARD DEVIATION <u> 3.6 </u>
8. 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 65 70 75
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3146/2809
- 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	<u> X </u> MANUAL	____ 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> 11 </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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Replaced
 10/28/09