

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID _____ *STATE CODE 22 *SHRP SECTION ID 0100
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ENTERED OCT 28

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [3/4/2008]
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
 X OTHER (SPECIFY) LTPP Validation Assessment
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 X 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

TYPE PER FHWA 13 BIN SYSTEM	TRUCK	TYPE	SUSPENSION
SUSPENSION: 1 - AIR; 2 - LEAF SPRING	1	9	1
3 - OTHER (DESCRIBE)	2	9	2
	3		
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN --
 DYNAMIC AND STATIC GVW 0.4 STANDARD DEVIATION 1.2
 DYNAMIC AND STATIC SINGLE AXLES 0.9 STANDARD DEVIATION 2.0
 DYNAMIC AND STATIC DOUBLE AXLES 0.2 STANDARD DEVIATION 2.8
8. 3 _____ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 55 60 65
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3024 / 3135
- 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 X TIME _____ NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
 *** FHWA CLASS 9 0.0 FHWA CLASS 5 _____ 25
 *** FHWA CLASS 8 _____ FHWA CLASS 6 _____ 0
 _____ 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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SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID [____] *STATE CODE [22] *SHRP SECTION ID [0100]
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [3/5/2008]
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
 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 ____ BENDING PLATES
 ____ CHANNELIZED ROUND PIEZO ____ LOAD CELLS X 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
 ____ 21 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> 2 </u>
	3	_____	_____
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN ____
 DYNAMIC AND STATIC GVW 0.6 STANDARD DEVIATION 2.0
 DYNAMIC AND STATIC SINGLE AXLES -0.2 STANDARD DEVIATION 2.1
 DYNAMIC AND STATIC DOUBLE AXLES 0.8 STANDARD DEVIATION 3.7
8. 3 ____ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 55 60 65
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 3024 / 3135
- 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 X TIME ____ NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
 *** FHWA CLASS 9 0.0 FHWA CLASS 5 ____ 14
 *** FHWA CLASS 8 0.0 FHWA CLASS 6 ____ 0
 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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5. EQUIPMENT MANUFACTURER IRD/ PAT Traffic

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- 6.** CALIBRATION TECHNIQUE USED:
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 FHWA CLASS ____ ____ ____
 FHWA CLASS ____ ____ ____
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