

[1919 ON XR/XL] 05:54 JUL 30/ST/20

RECEIVED SEP 04 2003

TOTAL P.02

SHEET 16
MONITORED TRAFFIC DATA
LTPP PROGRAM

*STATE ASSIGNED ID
 *STATE CODE
 *SHRP SECTION ID

1-1-1
 140
 14154

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) 10/15/2003
2. * TYPE OF EQUIPMENT CALIBRATED WIM CLASSIFIER BOTH
3. * REASON FOR CALIBRATION
☒ REGULARLY SCHEDULED SITE VISIT
☐ EQUIPMENT REPLACEMENT
☐ DATA TRIGGERED SYSTEM REVIEW
☐ OTHER (SPECIFY) _____
☐ RESEARCH
☐ TRAINING
☐ NEW EQUIPMENT INSTALLATION
4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):
☐ BARE ROUND PIEZO ☒ BARE FLAT PIEZO ☐ BENDING PLATES
☐ CHANNELIZED ROUND PIEZO ☐ LOAD CELLS ☐ QUARTZ PIEZO
☐ CHANNELIZED FLAT PIEZO ☐ INDUCTANCE LOOPS ☐ CAPACITANCE PADS
☐ OTHER (SPECIFY) _____
5. EQUIPMENT MANUFACTURER MSI / IRO

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS
☐ NUMBER OF TRUCKS COMPARED 1 1 NUMBER OF TEST TRUCKS USED
10 PASSES PER TRUCK

TRUCK TYPE	SUSPENSION
1	9
2	
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 VS. STATIC GVW -0.4 STANDARD DEVIATION 1.5
 DYNAMIC VS. STATIC SINGLE AXLES 5.3 STANDARD DEVIATION 4.2
 DYNAMIC VS. STATIC DOUBLE AXLES 1.5 STANDARD DEVIATION 5.6

8. 1 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 70 mph ± 2 mph

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 0.9

11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y
 IF YES, IDENTIFY AND DEFINE AUTO-CALIBRATION VALUE: 24 hr Class 9 2%

CLASSIFIER TEST SPECIFICS***

- 12.*** METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:
☐ VIDEO (1) ☒ MANUAL (2) ☐ PARALLEL CLASSIFIERS (3)
13. METHOD TO DETERMINE LENGTH OF COUNT ☐ TIME ☒ NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
 *** FHWA CLASS 9 0% FHWA CLASS _____
 *** FHWA CLASS 8 _____ FHWA CLASS _____
 FHWA CLASS _____
 FHWA CLASS _____
 *** PERCENT "UNCLASSIFIED" VEHICLES: 0%

PERSON LEADING CALIBRATION EFFORT: Blaine Meyers - IRO 405 816 1427