

[1919 ON XR/XL] 19:51 JUL 03/ST/10

RECEIVED SEP 04 2003

TOTAL P. 20

**SHEET 16  
MONITORED TRAFFIC DATA  
LTPP PROGRAM**

\*STATE ASSIGNED ID  
\*STATE CODE  
\*SHRP SECTION ID

\_\_\_\_\_  
[40]  
[3018]

SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) 05/19/2003
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 / IRD

WIM SYSTEM CALIBRATION SPECIFICS\*\*

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

TRUCK TYPE	SUSPENSION
1	9
2	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 VS. STATIC GVW -0.7 STANDARD DEVIATION 5.4  
 DYNAMIC VS. STATIC SINGLE AXLES -1.1 STANDARD DEVIATION 10.1  
 DYNAMIC VS. STATIC DOUBLE AXLES -3.4 STANDARD DEVIATION 8.2

8. 1 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 65 mph ± 2 mph

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 0.99

11.\*\* IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y  
 IF YES, IDENTIFY AND DEFINE AUTO-CALIBRATION VALUE: 2945 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 - IRD 405 816 1427

ENTERED  
SEP 17 2003  
RG