

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	[56]
	*SHRP SECTION ID	[2020]

HIGHWAY RT. NO. (THIS SESSION) I-90MILEPOST NO. OR LOCATION (THIS SESSION) MP 1.6FILENAME WS62020.HBC DISK ID _____BEGINNING DATE 6-12-2002 BEGINNING TIME 00:00ENDING DATE 6-13-2002 ENDING TIME 23:59COUNT DURATION 2 [] HOURS 4 DAYS [] MONTHSWEIGHT SCALE TYPE: PORT. WIM X PERM. WIM _____ OTHER _____EQUIPMENT MAKE/MODEL# ECM / HESTDASENSOR TYPE PIEZO-BL

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19 X 7-card FHWA 13 bin in cols. 22-23 _____

7-card 6 digit Truck Weight study _____ W-card _____ OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: CALIBRATED ANNUALLY. TEST TRUCK METHOD USING A CASS 9 LOADED TO 80% OR MORE OF LEGAL MAXIMUM GVW. AUTOCALIBRATION USED DURING THE SESSION.

COMMENTS _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

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DATE PREPARED <u>9-21-04</u>	revised February 21, 2000

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[56]
	*STATE CODE	[56]
	*SHRP SECTION ID	[2020]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [05/30/2002]
2. * TYPE OF EQUIPMENT CALIBRATED xx WIM CLASSIFIER 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 |
- xxxx OTHER (SPECIFY) Annual check of portable equipment
4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):
- | | | |
|--------------------------------------|------------------------------|------------------------------|
| <u> </u> BARE ROUND PIEZO CERAMIC | xxxx BARE FLAT PIEZO | <u> </u> BENDING PLATES |
| <u> </u> CHANNELIZED ROUND PIEZO | <u> </u> LOAD CELLS | <u> </u> QUARTZ PIEZO |
| <u> </u> CHANNELIZED FLAT PIEZO | <u> </u> INDUCTANCE LOOPS | <u> </u> CAPACITANCE PADS |
| <u> </u> OTHER (SPECIFY) _____ | | |
5. EQUIPMENT MANUFACTURER ECM Inc.

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
- xxxx TRAFFIC STREAM -- Y STATIC SCALE (Y/N) TEST TRUCKS
- 9 NUMBER OF TRUCKS COMPARED NUMBER OF TEST TRUCKS USED
- | | | |
|--------------------------------------|---------------------------------------|------------------|
| | <u> </u> <u> </u> <u> </u> | PASSES PER TRUCK |
| | TRUCK TYPE SUSPENSION | |
| TYPE PER FHWA 13 BIN SYSTEM | 1 9 Air | |
| SUSPENSION: 1 - AIR; 2 - LEAF SPRING | 2 <u> </u> <u> </u> | |
| 3 - OTHER (DESCRIBE) | 3 <u> </u> <u> </u> | |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
- | | | | |
|---------------------------------|-------|--------------------|-----|
| MEAN DIFFERENCE BETWEEN --- | | | |
| DYNAMIC AND STATIC GVW | -5.1 | STANDARD DEVIATION | 5.4 |
| DYNAMIC AND STATIC SINGLE AXLES | -15.7 | STANDARD DEVIATION | 7.2 |
| DYNAMIC AND STATIC DOUBLE AXLES | -3.3 | STANDARD DEVIATION | 8.4 |
8. 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 60 - 64, 65 - 69, 70 - 74
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 33 (Weight of 1st axle), 59 (Total Weight), 14 (Minimum Weight)
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y
- IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: Only cars are used. The mean front axle is to be 3300 lb., mean GVW 5900 lbs., only cars over 1400 lbs. are included..

CLASSIFIER TEST SPECIFICS***

- 12.*** METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:
- VIDEO MANUAL PARALLEL CLASSIFIERS
13. METHOD TO DETERMINE LENGTH OF COUNT TIME NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
- | | | | | | |
|------------------|-------------------|------------|-------------------|-------------------|-------------------|
| *** FHWA CLASS 9 | <u> </u> | FHWA CLASS | <u> </u> | <u> </u> | <u> </u> |
| *** FHWA CLASS 8 | <u> </u> | FHWA CLASS | <u> </u> | <u> </u> | <u> </u> |
| | | FHWA CLASS | <u> </u> | <u> </u> | <u> </u> |
| | | FHWA CLASS | <u> </u> | <u> </u> | <u> </u> |
- *** PERCENT "UNCLASSIFIED" VEHICLES:

PERSON LEADING CALIBRATION EFFORT: Kevin Messman
 CONTACT INFORMATION: 307-777-3944

rev. November 9, 1999

SEP 16 2003