

**SHEET 12  
LTPP TRAFFIC DATA  
CLASSIFICATION DATA  
TRANSMITTAL FORM**

\*STATE ASSIGNED ID [0144]

\*STATE CODE [30]

\*SHRP SECTION ID [8129]

HIGHWAY RT: (THIS SESSION) P-14 MILEPOST: (THIS SESSION) 143.5LOCATION: (THIS COUNT) US 12 EAST OF RYEGATE WIM #113FILENAME: C308129.n1c W308129.n1cBEGINNING DATE: December 1, 2002 BEGINNING TIME: 00:00ENDING DATE: December 31, 2002 ENDING TIME: 23:00COUNT DURATION: 1 [ ] HOURS [ ] DAYS [XX] MONTHSVEHICLE CLASSIFICATION METHOD: FHWA X OTHER      # BINS     

NOTE: If not previously provided to SHRP, please attach Sheet 6 describing the vehicle classification categories and also attach Sheet 7 describing how the SHRP would convert its classification scheme to the FHWA 13 Class System.

TYPE OF AVC EQUIPMENT: PORTABLE:      PERMANENT: XXEQUIPMENT MAKE/MODEL #: ECM/HESTIASENSOR TYPE: LOOPS & PIEZOSADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:     GENERAL FACTORS:     CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)     COMMENTS TO TEXT: THIS SITE IS WORKING WELL.THE CALIBRATION FACTORS WERE IMPLEMENTED ON December 12, 2002.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER John R Dargan PHONE # (406) 444-7217DATE PREPARED April 12, 2004

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HIGHWAY RT: (THIS SESSION) P-14 MILEPOST: (THIS SESSION) 143.5LOCATION: (THIS COUNT) US 12 EAST OF RYEGATE WIM #113FILENAME: C308129.g1c W308129.g1cBEGINNING DATE: October 1, 2002 BEGINNING TIME: 00:00ENDING DATE: October 31, 2002 ENDING TIME: 23:00COUNT DURATION: 1 [ ] HOURS [ ] DAYS [XX] MONTHSVEHICLE CLASSIFICATION METHOD: FHWA X OTHER      # BINS     

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FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER AMY C. WARK PHONE # (406) 444-7217DATE PREPARED April 12, 2004

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HIGHWAY RT: (THIS SESSION) P-14 MILEPOST: (THIS SESSION) 143.5

LOCATION: (THIS COUNT) US 12 EAST OF RYEGATE WIM #113

FILENAME: C308129.g1c W308129.g1c

BEGINNING DATE: JULY 1, 2002 BEGINNING TIME: 00:00

ENDING DATE: JULY 31, 2002 ENDING TIME: 23:00

COUNT DURATION: 1 [ ] HOURS [ ] DAYS [XX] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER      # BINS     

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TYPE OF AVC EQUIPMENT: PORTABLE:      PERMANENT: XX

EQUIPMENT MAKE/MODEL #: ECM/HESTIA

SENSOR TYPE: LOOPS & PIEZOS

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:     

GENERAL FACTORS:     

CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)     

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THE CALIBRATION FACTORS WERE IMPLEMENTED ON JUNE 17, 2002.

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NAME OF PREPARER AMY C. WARK PHONE # (406) 444-7217

DATE PREPARED April 12, 2004

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FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER KAREN L. MARTIN PHONE # (406) 444-7217DATE PREPARED April 12, 2004



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TRANSMITTAL FORM**

\*STATE ASSIGNED ID [0144]

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NAME OF PREPARER KAREN L. MARTIN PHONE # (406) 444-7217DATE PREPARED April 12, 2004

**SHEET 16**  
**LTPP MONITORED TRAFFIC DATA**  
**SITE CALIBRATION SUMMARY**

\*STATE ASSIGNED ID [0144]  
\*STATE CODE [30]  
\*SHRP SECTION ID [8129]

P-14 MP 1.43 Ryegate

SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [ 12 /12/2002 ]
2. \* TYPE OF EQUIPMENT CALIBRATED \_\_\_ WIM \_\_\_ CLASSIFIER X BOTH
3. \* REASON FOR CALIBRATION  
X REGULARLY SCHEDULED SITE VISIT  
\_\_\_ EQUIPMENT REPLACEMENT  
\_\_\_ DATA TRIGGERED SYSTEM REVISION  
\_\_\_ OTHER (SPECIFY) \_\_\_\_\_
- \_\_\_ RESEARCH  
\_\_\_ TRAINING  
\_\_\_ NEW EQUIPMENT INSTALLATION
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 \_\_\_ QUARTZ PIEZO  
\_\_\_ CHANNELIZED FLAT PIEZO \_\_\_ INDUCTANCE LOOPS \_\_\_ CAPACITANCE PADS  
X OTHER (SPECIFY) Ceramic Piezo \_\_\_\_\_
5. EQUIPMENT MANUFACTURER ECM \_\_\_\_\_

WIM SYSTEM CALIBRATION SPECIFICS\*\*

- 6.\*\* CALIBRATION TECHNIQUE USED:  
\_\_\_ TRAFFIC STREAM -- \_\_\_ STATIC SCALE (Y/N) X TEST TRUCKS  
1 NUMBER OF TRUCKS COMPARED \_\_\_ 1 NUMBER OF TEST TRUCKS USED

47  
12-9-08

| PASSES PER TRUCK |      |            |
|------------------|------|------------|
| TRUCK            | TYPE | SUSPENSION |
| 1                | 9    | 1          |
| 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 AND STATIC GVW \_\_\_ 11.6% STANDARD DEVIATION \_\_\_ 1.8%  
DYNAMIC AND STATIC SINGLE AXLES \_\_\_ 6.9% STANDARD DEVIATION \_\_\_ 2.4%  
DYNAMIC AND STATIC DOUBLE AXLES \_\_\_ 10.3% STANDARD DEVIATION \_\_\_ 4.5%
8. 4 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED  
59-62 mph
9. DEFINE THE SPEED RANGES USED (MPH) 61 62 61 59 60 \_\_\_\_\_
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) \_\_\_ 1.00 \_\_\_
- 11.\*\* IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y  
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 | ___ | ___ | 10% | FHWA CLASS | ___ | ___ | ___ | ___ |
| *** FHWA CLASS 8 | ___ | ___ | 0%  | FHWA CLASS | ___ | ___ | ___ | ___ |
|                  |     |     |     | FHWA CLASS | ___ | ___ | ___ | ___ |
|                  |     |     |     | FHWA CLASS | ___ | ___ | ___ | ___ |

\*\*\* PERCENT "UNCLASSIFIED" VEHICLES: \_\_\_ . \_\_\_

PERSON LEADING CALIBRATION EFFORT:

CONTACT INFORMATION: DAN BISOM (406) 444-6122 rev. December 31, 2002