

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

*STATE ASSIGNED ID []

*STATE CODE [30]

*SHRP SECTION ID [0800]

HIGHWAY RT.: (THIS SESSION) S-273 MILEPOST: (THIS SESSION) 0.66LOCATION: (THIS COUNT) S 273 1.0 MILE NORTH OF MT 48 WIM #109FILENAME: C300800.N1D W300800.N1DBEGINNING DATE: DEC 1, 2003 BEGINNING TIME: 00:00ENDING DATE: DEC 31, 2003 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 JULY 30, 2003.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER Danny O. Haynes PHONE # (406) 444-7217DATE PREPARED January 26, 2004

**SHEET 12
LTPP TRAFFIC DATA
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*STATE ASSIGNED ID []
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*SHRP SECTION ID [0800]

HIGHWAY RT.: (THIS SESSION) S-273 MILEPOST: (THIS SESSION) 0.66

LOCATION: (THIS COUNT) S 273 1.0 MILE NORTH OF MT 48 WIM #109

FILENAME: C300800.M1D W300800.M1D

BEGINNING DATE: NOV 1, 2003 BEGINNING TIME: 00:00

ENDING DATE: NOV 30, 2003 ENDING TIME: 23:00

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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER # BINS

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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 JULY 30, 2003.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER Danny O. Haynes PHONE # (406) 444-7217
DATE PREPARED January 15, 2004

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

*STATE ASSIGNED ID []

*STATE CODE [30]

*SHRP SECTION ID [0800]

HIGHWAY RT.: (THIS SESSION) S-273 MILEPOST: (THIS SESSION) 0.66

LOCATION: (THIS COUNT) S 273 1.0 MILE NORTH OF MT 48 WIM #109

FILENAME: C300800.K1D W300800.K1D

BEGINNING DATE: SEPT 1, 2003 BEGINNING TIME: 00:00

ENDING DATE: SEPT 30, 2003 ENDING TIME: 23:00

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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER # BINS

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EQUIPMENT MAKE/MODEL #: ECM / HESTIA

SENSOR TYPE: LOOPS & PIEZOS

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FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER Danny O. Haynes PHONE # (406) 444-7217

DATE PREPARED February 19, 2004

**SHEET 12
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TRANSMITTAL FORM**

*STATE ASSIGNED ID []

*STATE CODE [30]

*SHRP SECTION ID [0800]

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FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER Danny O. Haynes PHONE # (406) 444-7217DATE PREPARED January 15, 2004

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*STATE ASSIGNED ID []

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NAME OF PREPARER Danny O. Haynes PHONE # (406) 444-7217DATE PREPARED January 15, 2004

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FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER Danny O. Haynes PHONE # (406) 444-7217DATE PREPARED January 15, 2004

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

*STATE ASSIGNED ID []

*STATE CODE [30]

*SHRP SECTION ID [0800]

HIGHWAY RT.: (THIS SESSION) S-273 MILEPOST: (THIS SESSION) 0.66

LOCATION: (THIS COUNT) S 273 1.0 MILE NORTH OF MT 48 WIM #109

FILENAME: C300800.E1d W300800.E1d

BEGINNING DATE: April 1, 2003 BEGINNING TIME: 00:00

ENDING DATE: April 30, 2003 ENDING TIME: 23:00

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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER # BINS

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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)

COMMENTS TO TEXT: THIS SITE IS WORKING WELL.

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FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER Danny O. Haynes PHONE # (406) 444-7217

DATE PREPARED January 15, 2004

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID []
	*STATE CODE [30]
	*SHRP SECTION ID [0800]

HIGHWAY RT.: (THIS SESSION) S-273 MILEPOST: (THIS SESSION) 0.66

LOCATION: (THIS COUNT) S 273 1.0 MILE NORTH OF MT 48 WIM #109

FILENAME: C300800.F1d W300800.F1d

BEGINNING DATE: March 1, 2003 BEGINNING TIME: 00:00

ENDING DATE: March 31, 2003 ENDING TIME: 23:00

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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER # BINS

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EQUIPMENT MAKE/MODEL #: ECM / HESTIA

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THE CALIBRATION FACTORS WERE IMPLEMENTED ON JANUARY 31, 2003.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER <u>Danny O. Haynes</u>	PHONE # <u>(406) 444-7217</u>
DATE PREPARED <u>January 15, 2004</u>	

**SHEET 12
LTPP TRAFFIC DATA
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*STATE ASSIGNED ID []

*STATE CODE [30]

*SHRP SECTION ID [0800]

HIGHWAY RT.: (THIS SESSION) S-273 MILEPOST: (THIS SESSION) 0.66LOCATION: (THIS COUNT) S 273 1.0 MILE NORTH OF MT 48 WIM #109FILENAME: C300800.d1d W300800.d1dBEGINNING DATE: February 1, 2003 BEGINNING TIME: 00:00ENDING DATE: February 28, 2003 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 John R Dargan PHONE # (406) 444-7217DATE PREPARED January 15, 2004

**SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA
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*STATE ASSIGNED ID []

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*SHRP SECTION ID [0800]

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FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER John R Dargan PHONE # (406) 444-7217DATE PREPARED January 15, 2004

file 800.12.7.9.12

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [308907]
*STATE CODE [30]
*SHRP SECTION ID [0800]

S-273 MP NB .66 Galen

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [07/30/2003]
2. * TYPE OF EQUIPMENT CALIBRATED ☒ WIM ☐ CLASSIFIER ☒ BOTH *TP 3/9/15 AMEETH*
3. * REASON FOR CALIBRATION
☒ REGULARLY SCHEDULED SITE VISIT ☐ RESEARCH
☐ EQUIPMENT REPLACEMENT ☐ TRAINING
☐ DATA TRIGGERED SYSTEM REVISION ☐ NEW EQUIPMENT INSTALLATION
☐ OTHER (SPECIFY) _____
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
☒ OTHER (SPECIFY) Ceramic Piezo _____
5. EQUIPMENT MANUFACTURER ECM _____

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS
☐ 1 NUMBER OF TRUCKS COMPARED ☐ 1 NUMBER OF TEST TRUCKS USED
- | | PASSES PER TRUCK | | |
|--------------------------------------|------------------|------|------------|
| | TRUCK | TYPE | SUSPENSION |
| TYPE PER FHWA 13 BIN SYSTEM | 1 | 9 | 1 |
| SUSPENSION: 1 - AIR; 2 - LEAF SPRING | 2 | | |
| 3 - OTHER (DESCRIBE) | 3 | | |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN ---
DYNAMIC AND STATIC GVW 8.39% STANDARD DEVIATION 3.82%
DYNAMIC AND STATIC SINGLE AXLES 19.41% STANDARD DEVIATION 4.18%
DYNAMIC AND STATIC DOUBLE AXLES 6.21% STANDARD DEVIATION 4.08%
8. 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 58 58 61 61 58
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: _____

SEP 25 2003

48K

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	___	___	FHWA CLASS	___	___	___	___
*** FHWA CLASS 8	___	___	FHWA CLASS	___	___	___	___
			FHWA CLASS	___	___	___	___
			FHWA CLASS	___	___	___	___

*** PERCENT "UNCLASSIFIED" VEHICLES: ___ . ___

PERSON LEADING CALIBRATION EFFORT:

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

SECRET