

file 800.12.78.12

**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.M1E W300800.M1E

BEGINNING DATE: NOV 1, 2004 BEGINNING TIME: 00:00

ENDING DATE: NOV 30, 2004 ENDING TIME: 23:00

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

VEHICLE 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: 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)     

COMMENTS TO TEXT: THIS SITE IS WORKING WELL.  
THE CALIBRATION FACTORS WERE IMPLEMENTED ON NOVEMBER 5, 2004.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

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

DATE PREPARED December 16, 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.J1E W300800.J1E

BEGINNING DATE: AUG 1, 2004 BEGINNING TIME: 00:00

ENDING DATE: AUG 31, 2004 ENDING TIME: 23:00

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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER        # BINS       

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COMMENTS TO TEXT: THIS SITE IS WORKING WELL.  
THE CALIBRATION FACTORS WERE IMPLEMENTED ON JULY 15, 2004.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

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

DATE PREPARED SEPTEMBER 16, 2004

file 800.12.7-8.12

**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.I1E W300800.I1E

BEGINNING DATE: JULY 1, 2004 BEGINNING TIME: 00:00

ENDING DATE: JULY 31, 2004 ENDING TIME: 23:00

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

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THE CALIBRATION FACTORS WERE IMPLEMENTED ON JULY 15, 2004.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

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

DATE PREPARED August 5, 2004

file 800.7.9.12

**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.H1E W300800.H1E

BEGINNING DATE: JUNE 1, 2004 BEGINNING TIME: 00:00

ENDING DATE: JUNE 30, 2004 ENDING TIME: 23:00

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

VEHICLE 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.

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SENSOR TYPE: LOOPS & PIEZOS

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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) 444-7217

DATE PREPARED JUNE 29, 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.G1E W300800.G1E

BEGINNING DATE: MAY 1, 2004 BEGINNING TIME: 00:00

ENDING DATE: MAY 31, 2004 ENDING TIME: 23:00

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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER        # BINS       

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SENSOR TYPE: LOOPS & PIEZOS

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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) 444-7217

DATE PREPARED JUNE 9, 2004

300.12.7.9.12

**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.F1E W300800.F1E

BEGINNING DATE: APRIL 1, 2004 BEGINNING TIME: 00:00

ENDING DATE: APRIL 30, 2004 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.  
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 MAY 27, 2004

800.12.7.9.12

**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.E1E W300800.E1E

BEGINNING DATE: MAR 1, 2004 BEGINNING TIME: 00:00

ENDING DATE: MAR 31, 2004 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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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) 444-7217

DATE PREPARED MARCH 5, 2004

800.12.7.9.12

**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.D1E W300800.D1EBEGINNING DATE: FEB 1, 2004 BEGINNING TIME: 00:00ENDING DATE: FEB 29, 2004 ENDING TIME: 23:00COUNT DURATION: 1 [ ] HOURS [ ] DAYS [XX] MONTHSVEHICLE CLASSIFICATION METHOD: FHWA X OTHER      # BINS     

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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) 444-7217DATE PREPARED MARCH 15, 2004



800.12.7.9.12

**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.C1E W300800.C1E

BEGINNING DATE: JAN 1, 2004 BEGINNING TIME: 00:00

ENDING DATE: JAN 31, 2004 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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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) 444-7217

DATE PREPARED May 10, 2004

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

\*STATE ASSIGNED ID [300800]  
 \*STATE CODE [30]  
 \*SHRP SECTION ID [0800]

S-273 MP NB .66 Galen

SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [ 6 /14/2004 ]
2. \* TYPE OF EQUIPMENT CALIBRATED \_\_\_ WIM \_\_\_ CLASSIFIER X BOTH
3. \* REASON FOR CALIBRATION  
X 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  
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  
 \_\_\_ 4 NUMBER OF TRUCKS COMPARED \_\_\_ 1 NUMBER OF TEST TRUCKS USED

TYPE PER FHWA 13 BIN SYSTEM SUSPENSION: 1 - AIR; 2 - LEAF SPRING 3 - OTHER (DESCRIBE)	PASSES PER TRUCK		
	TRUCK	TYPE	SUSPENSION
	1	<u>9</u>	<u>1</u>
	2	_____	_____
	3	_____	_____

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
 MEAN DIFFERENCE BETWEEN ---  
 DYNAMIC AND STATIC GVW \_\_\_ -2.1% STANDARD DEVIATION \_\_\_ 3.7%  
 DYNAMIC AND STATIC SINGLE AXLES \_\_\_ 9.8% STANDARD DEVIATION \_\_\_ 5.6%  
 DYNAMIC AND STATIC DOUBLE AXLES \_\_\_ -4.2% STANDARD DEVIATION \_\_\_ 3.9%
8. \_\_\_ 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 60 59 60 61 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: \_\_\_\_\_

REC'D MAR 31 2005

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	___	___	0%	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. March 31, 2005

ENTERED APR 01 2005

*SK*