

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

\*STATE ASSIGNED ID [8907]

\*STATE CODE [30]

\*SHRP SECTION [7066]

HIGHWAY RT.: (THIS SESSION) I-90 MILEPOST: (THIS SESSION) 366.0

LOCATION: (THIS COUNT) 8.0 MILES EAST OF COLUMBUS INTERCHANGE ON I-90 WIM #120

FILENAME: C307066.N1D W307066.N1D

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

ENDING DATE: DEC 31, 2003 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 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 26, 2004

**SHEET 12  
LTPP TRAFFIC DATA  
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TRANSMITTAL FORM**

\*STATE ASSIGNED ID [8907]

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HIGHWAY RT.: (THIS SESSION) I-90 MILEPOST: (THIS SESSION) 366.0LOCATION: (THIS COUNT) 8.0 MILES EAST OF COLUMBUS INTERCHANGE ON I-90 WIM #120FILENAME: C307066.J1D W307066.J1DBEGINNING DATE: AUG 1, 2003 BEGINNING TIME: 00:00ENDING DATE: AUG 31, 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 Danny O. Haynes PHONE # (406) 444-7217DATE PREPARED January 15, 2004

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CLASSIFICATION DATA  
TRANSMITTAL FORM**

\*STATE ASSIGNED ID [8907]

\*STATE CODE [30]

\*SHRP SECTION [7066]

HIGHWAY RT.: (THIS SESSION) I-90 MILEPOST: (THIS SESSION) 366.0

LOCATION: (THIS COUNT) 8.0 MILES EAST OF COLUMBUS INTERCHANGE ON I-90 WIM #120

FILENAME: C307066.I1D W307066.I1D

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

ENDING DATE: JULY 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

SENSOR TYPE: LOOPS & PIEZOS

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

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DATE PREPARED January 15, 2004

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\*SHRP SECTION [7066]

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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 CODE [30]

\*SHRP SECTION [7066]

HIGHWAY RT.: (THIS SESSION) I-90 MILEPOST: (THIS SESSION) 366.0LOCATION: (THIS COUNT) 8.0 MILES EAST OF COLUMBUS INTERCHANGE ON I-90 WIM #120FILENAME: C307066.E1d W307066.E1dBEGINNING DATE: April 1, 2003 BEGINNING TIME: 00:00ENDING DATE: April 30, 2003 ENDING TIME: 23:00COUNT DURATION: 1 [ ] HOURS [ ] DAYS [XX] MONTHSVEHICLE CLASSIFICATION METHOD: FHWA X OTHER      # BINS     

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

\*STATE ASSIGNED ID [8907]

\*STATE CODE [30]

\*SHRP SECTION [7066]

HIGHWAY RT.: (THIS SESSION) I-90 MILEPOST: (THIS SESSION) 366.0LOCATION: (THIS COUNT) 8.0 MILES EAST OF COLUMBUS INTERCHANGE ON I-90 WIM #120FILENAME: C307066.E1d W307066.E1dBEGINNING DATE: March 1, 2003 BEGINNING TIME: 00:00ENDING DATE: March 31, 2003 ENDING TIME: 23:00COUNT DURATION: 1 [ ] HOURS [ ] DAYS [XX] MONTHSVEHICLE CLASSIFICATION METHOD: FHWA X OTHER      # BINS     

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

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\*SHRP SECTION [7066]

HIGHWAY RT.: (THIS SESSION) I-90 MILEPOST: (THIS SESSION) 366.0

LOCATION: (THIS COUNT) 8.0 MILES EAST OF COLUMBUS INTERCHANGE ON I-90 WIM #120

FILENAME: C307066.d1d W307066.d1d

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

ENDING DATE: February 28, 2003 ENDING TIME: 23:00

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

VEHICLE 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) 444-7217

DATE PREPARED January 15, 2004

**SHEET 12  
LTPP TRAFFIC DATA  
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\*STATE ASSIGNED ID [8907]

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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 [7066]

I-90 WB MP 365.91 COLUMBUS

SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [ 07/30/2003 ]
2. \* TYPE OF EQUIPMENT CALIBRATED ☒ WIM ☐ CLASSIFIER ☒ BOTH *TP 9/15 AMEC-14*
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  
*LM 12-9-08* ☒ 1 NUMBER OF TRUCKS COMPARED ☐ 1 NUMBER OF TEST TRUCKS USED
- | TYPE PER FHWA 13 BIN SYSTEM          | PASSES PER TRUCK |                 |
|--------------------------------------|------------------|-----------------|
|                                      | TRUCK            | TYPE SUSPENSION |
| SUSPENSION: 1 - AIR; 2 - LEAF SPRING | 1                | 9 1             |
| 3 - OTHER (DESCRIBE)                 | 2                |                 |
|                                      | 3                |                 |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
MEAN DIFFERENCE BETWEEN ---  
DYNAMIC AND STATIC GVW ☐ -1.97% STANDARD DEVIATION ☐ .95%  
DYNAMIC AND STATIC SINGLE AXLES ☐ 28.96% STANDARD DEVIATION ☐ 1.49%  
DYNAMIC AND STATIC DOUBLE AXLES ☐ -4.65% STANDARD DEVIATION ☐ .96%
8. 2 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 65 64 65 65 65
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 24 2003

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