

**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) 366.0LOCATION: (THIS COUNT) 8.0 MILES EAST OF COLUMBUS INTERCHANGE ON I-90 WIM #120FILENAME: C307066.n1c W307066.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 CALIBRATIN FACTORS WERE
IMPLEMENTED ON December 19, 2001.

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) I-90 MILEPOST: (THIS SESSION) 366.0LOCATION: (THIS COUNT) 8.0 MILES EAST OF COLUMBUS INTERCHANGE ON I-90 WIM #120FILENAME: C307066.m1c W307066.m1cBEGINNING DATE: November 1, 2002 BEGINNING TIME: 00:00ENDING DATE: November 31, 2002 ENDING TIME: 23:00COUNT DURATION: 1 [] HOURS [] DAYS [XX] MONTHSVEHICLE CLASSIFICATION METHOD: FHWA X OTHER # BINS

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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.g1c W307066.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

<p align="center">SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM</p>	<p>*STATE ASSIGNED ID [8907]</p>
	<p>*STATE CODE [30]</p>
	<p>*SHRP SECTION [7066]</p>

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.g1c W307066.g1c

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

ENDING DATE: September 30, 2002 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, IT WAS CALIBRATING FACTORS WERE IMPLEMENTED ON JUNE 17, 2001.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

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

**SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA
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*STATE CODE [30]

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*SHRP SECTION [7066]

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NAME OF PREPARER AMY C. WARK PHONE # (406) 444-7217DATE PREPARED April 12, 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.f1c W307066.f1cBEGINNING DATE: APRIL 1, 2002 BEGINNING TIME: 00:00ENDING DATE: APRIL 30, 2002 ENDING TIME: 23:00COUNT DURATION: 1 [] HOURS [] DAYS [XX] MONTHSVEHICLE CLASSIFICATION METHOD: FHWA X OTHER # BINS

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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.e1c W307066.e1c

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

ENDING DATE: MARCH 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)

COMMENTS TO TEXT: THIS SITE IS WORKING WELL, IT WAS CALIBRATED DECEMBER 4, 2001.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER KAREN L. MARTIN PHONE # (406) 444-7217

DATE PREPARED April 12, 2004

**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) 366.0LOCATION: (THIS COUNT) 8.0 MILES EAST OF COLUMBUS INTERCHANGE ON I-90 WIM #120FILENAME: C307066.d1c W307066.d1cBEGINNING DATE: FEBRUARY 1, 2002 BEGINNING TIME: 00:00ENDING DATE: FEBRUARY 28, 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 KAREN L. MARTIN PHONE # (406) 444-7217DATE PREPARED April 12, 2004

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) [12 /20/2002]
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

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 ___ 3.1% STANDARD DEVIATION ___ 1.8%
DYNAMIC AND STATIC SINGLE AXLES ___ 14.6% STANDARD DEVIATION ___ .7%
DYNAMIC AND STATIC DOUBLE AXLES ___ 1% STANDARD DEVIATION ___ 3.3%
8. 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 66 66 65 67 65 _____
65-67 not
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	___	___	1%	FHWA CLASS	___	___	___	___
*** FHWA CLASS 8	___	___	20%	FHWA CLASS	___	___	___	___
				FHWA CLASS	___	___	___	___
				FHWA CLASS	___	___	___	___

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

PERSON LEADING CALIBRATION EFFORT:

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