

file 800.12.7.8.12

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

\*STATE ASSIGNED ID [8907]

\*STATE CODE [30]

\*SHRP SECTION ID [0500]

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: C300500.M1E W300500.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 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 December 16, 2004

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

\*STATE ASSIGNED ID **[8907]**

\*STATE CODE **[30]**

\*SHRP SECTION ID **[0500]**

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: C300500.J1E W300500.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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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

<b>SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM</b>	<b>*STATE ASSIGNED ID</b> <u>[8907]</u>
	<b>*STATE CODE</b> <u>[30]</u>
	<b>*SHRP SECTION ID</b> <u>[0500]</u>

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: C300500.I1E W300500.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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER      # BINS     

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

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FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

<b>NAME OF PREPARER</b> <u>Danny O. Haynes</u>	<b>PHONE #</b> <u>(406) 444-7217</u>
<b>DATE PREPARED</b> <u>August 5, 2004</u>	

file 800.12.7.9.12

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

\*STATE ASSIGNED ID **[8907]**

\*STATE CODE **[30]**

\*SHRP SECTION ID **[0500]**

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: C300500.H1E W300500.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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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

800.12.7.9.12

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

\*STATE ASSIGNED ID [8907]

\*STATE CODE [30]

\*SHRP SECTION ID [0500]

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: C300500.G1E W300500.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     

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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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 JUNE 9, 2004

00.12.7.9.12

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

\*STATE ASSIGNED ID [8907]

\*STATE CODE [30]

\*SHRP SECTION ID [0500]

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: C300500.F1E W300500.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 [8907]

\*STATE CODE [30]

\*SHRP SECTION ID [0500]

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: C300500.E1E W300500.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     

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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EQUIPMENT MAKE/MODEL #: ECM / HESTIA

SENSOR TYPE: LOOPS & PIEZOS

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GENERAL FACTORS:     

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

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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 MARCH 5, 2003

800.12.7.9.12

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

\*STATE ASSIGNED ID [8907]

\*STATE CODE [30]

\*SHRP SECTION ID [0500]

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: C300500.D1E W300500.D1E

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

ENDING DATE: FEB 29, 2004 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 Danny O. Haynes PHONE # (406) 444-7217

DATE PREPARED MARCH 15, 2003



800.12.7.9.12

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

\*STATE ASSIGNED ID [8907]

\*STATE CODE [30]

\*SHRP SECTION ID [0500]

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

FILENAME: C300500.C1E W300500.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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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 FEBRUARY 20, 2003

800.12.7.9.12

<b>SHEET 16</b> <b>LTPP MONITORED TRAFFIC DATA</b> <b>SITE CALIBRATION SUMMARY</b>	*STATE ASSIGNED ID	[300500]
	*STATE CODE	[ 30 ]
	*SHRP SECTION ID	[ 0500 ]

I-90 WB MP 365.91 COLUMBUS

SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [ 6/21/2004 ]
2. \* TYPE OF EQUIPMENT CALIBRATED ☐ WIM ☐ CLASSIFIER ☒ BOTH
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  
☐ 2 NUMBER OF TRUCKS COMPARED ☐ 1 NUMBER OF TEST TRUCKS USED

AM 12-9-05

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

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
MEAN DIFFERENCE BETWEEN ---  
DYNAMIC AND STATIC GVW ☐ 2.2% STANDARD DEVIATION ☐ 1.8%  
DYNAMIC AND STATIC SINGLE AXLES ☐ 26.5% STANDARD DEVIATION ☐ 4.2%  
DYNAMIC AND STATIC DOUBLE AXLES ☐ 1% STANDARD DEVIATION ☐ 3.2%
8. 2 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 65 64 64 64 64 \_\_\_\_\_
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	___	___	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. March 31, 2004

ENTERED APR 01 2005

SK