

**SHEET 10
LTPP TRAFFIC DATA**

**TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT**

*STATE ASSIGNED ID [070144]

*STATE CODE [51]

*SHRP SECTION ID [1417]

1. ANNUAL TRAFFIC ESTIMATES

*YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT LTPP LANE	*ESTIMATED TOTAL TRUCKS AADT LTPP LANE	*ESTIMATED ESAL=S/YR LTPP LANE (1000'S)
<u>2003</u>	<u>20,000</u>	<u>3,400</u>	<u>6,800</u>	<u>1,250</u>	<u>519</u>

**2. METHOD FOR ESTIMATING TOTAL VEHICLE
AADT (TWO-WAY)**

- ☐ Growth factored last year's estimate. (6)
☐ Estimated based on volume counts at nearby locations. (3)
☐ Used computerized network analyses. (4)
☐ Factored a single count taken this year at the LTPP site. (1)
☐ Average multiple counts taken this year at the LTPP site. (2)
☒ Average and factored multiple count taken this year at the LTPP site. (5)
☐ Used flow maps. (7)
☐ Other: (8) _____

**3. METHOD FOR ESTIMATING TOTAL TRUCK AADT
(TWO-WAY)**

- ☐ Used system averages from counts taken this year. (6)
☐ Used count data from nearby sites. (3)
☐ Used count data from previous years at the LTPP site. (7)
☐ Used system averages from previous years. (8)
☐ Used computerized network analyses. (4)
☐ Used a single count taken this year at the LTPP site. (5)
☐ Factored a single count taken this year at the LTPP site. (1)
☒ Averaged multiple counts taken this year at the LTPP site. (2)
☐ Other: (9) _____

**4. METHOD FOR ESTIMATING TOTAL VEHICLES
LTPP LANE AADT**

- ☐ System distribution factors. (2)
☒ Based on actual lane count data. (1)
☐ Other: (3) _____

***5. METHOD FOR ESTIMATING TOTAL TRUCKS,
LTPP LANE, AADT**

- ☐ System distribution factors. (2)
☒ Based on actual lane data count. (1)
☐ Other: (3) _____

***6. METHOD FOR ESTIMATING ESAL//YEAR
IN LTPP LANE**

- ☒ ESAL/Truck factor (1)
☐ ESAL/Vehicle class. (2) (No. of classes)
☐ ESAL/Axle(3) Sing. ____ Tand. ____ Tri. ____
☐ Other: (4) _____

7. ESAL ESTIMATES - SOURCE OF DATA

- ☐ Weight data collected at LTPP site prior years. (2)
☐ Weight data from system averages this year. (3)
☒ Weight data from system averages prior years. (4)
☐ Weight data from historic W-4 Tables used. (5)
☐ Other: (6) _____

8. WEIGHT SCALE TYPE

- ☐ WIM scale. (1)
☐ Static scale used for enforcement. (2)
☐ Static scale not used for enforcement. (3)
☐ Other: (4) _____

NAME OF PREPARER Hamlin Williams PHONE# (804) 786-0134DATE PREPARED March 1, 2005

rev. March 12, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[070144]
	*STATE CODE	[51]
	*SHRP SECTION ID	[1 4 1 7]

HIGHWAY RT. NO. (THIS COUNT)

US 17;

MILEPOST NO. OR LOCATION (THIS COUNT)

207; Between SR 28 and US 15

FILENAME Included with all VDOT files in VA0306.CLA.txt DISK ID Submitted via E-Mail

BEGINNING DATE 6-11-2003 BEGINNING TIME 00:00

ENDING DATE 6-30-2003 ENDING TIME 24:00

COUNT DURATION June [] HOURS [] DAYS [X] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: FHWA Scheme F NO. OF BINS 15

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE PERMANENT X

EQUIPMENT MAKE/MODEL# Peek ADR 3000 Plus

SENSOR TYPE Loop - Piezo - Loop

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

None at this location.

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS)

None at this location.

COMMENTS VDOT data is reviewed daily and a validity determination made at that time. Any data determined to be not useable for factor creation is coded accordingly and will not be submitted to LTPP. Since this is a continuous count station, abnormal traffic such as holiday traffic, special event traffic or weather affected traffic are used in factor creation. All such files will be provided unless we are requested to do otherwise. We anticipate providing sufficient quantities of data that researchers will be able to make their own determination as to what is normal and/or not normal for the station.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Tom Schinkel</u>	PHONE# <u>804-225-3123</u>
DATE PREPARED <u>March 31, 2004</u>	revised November 11, 1999

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	* STATE ASSIGNED ID [070144] * STATE CODE [5] * SHRP SECTION ID [1 4 1 7]
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SITE CALIBRATION INFORMATION

ENTERED JUL 30 2004

1. *DATE OF CALIBRATION (MONTH/DAY/YEAR) [6/11/2003]
2. *TYPE OF EQUIPMENT CALIBRATED _____ WIM _____ X CLASSIFIER _____ BOTH
3. *REASON FOR CALIBRATION
_____ REGULARLY SCHEDULED SITE VISIT _____ RESEARCH
X 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 _____ X BARE FLAT PIEZO _____ BENDING PLATES
_____ CHANNELIZED ROUND PIEZO _____ LOAD CELLS _____ QUARTZ PIEZO
_____ CHANNELIZED FLAT PIEZO _____ X INDUCTANCE LOOPS _____ CAPACITANCE PADS
_____ OTHER (SPECIFY) _____
5. EQUIPMENT MANUFACTURER Peek ADR 3000 Plus Classifier; MSI Piezo sensor

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
_____ TRAFFIC STREAM _____ STATIC SCALE (Y / N) _____ TEST TRUCKS
_____ NUMBER OF TRUCKS COMPARED _____ NUMBER OF TEST TRUCKS USED
_____ PASSES PER TRUCK
TRUCK TYPE SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM 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 _____ STANDARD DEVIATION _____
DYNAMIC AND STATIC SINGLE AXLES _____ STANDARD DEVIATION _____
DYNAMIC AND STATIC DOUBLE AXLES _____ STANDARD DEVIATION _____
8. _____ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) _____
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) _____
- 11.** IS AUTO-CALIBRATION USED AT THIS TIME? (Y / N) _____
IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: _____

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: _____ rev. November 9, 1999

Submitted June 22/2004
via email from Tom Schinkel.