

SHEET 10
LTPP TRAFFIC DATA

TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT

*STATE ASSIGNED ID [623104]

*STATE CODE [51]

*SHRP SECTION ID [2004]

ENTERED APR 29 2004

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)
2002	11000	2970	4400	1188	453

**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 Tom Schinkel PHONE# (804)225-3123

DATE PREPARED March 29, 2004

rev. March 12, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[623104]
	*STATE CODE	[51]
	*SHRP SECTION ID	[2 0 0 4]

HIGHWAY RT. NO. (THIS COUNT)

US 29:

MILEPOST NO. OR LOCATION (THIS COUNT)

2.96; Between Elizabeth St and SR 86

*C 512004. JLC.
. JLC*

FILENAME Included with all VDOT files in VA0208.CLA.txt DISK ID Submitted via E-Mail

BEGINNING DATE 08-01-2002 BEGINNING TIME 00:00

ENDING DATE 08-31-2002 ENDING TIME 24:00

*Gap.
8/19-8/22*

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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS _____

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>September 9, 2002</u>	revised November 11, 1999

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [623104]
	*STATE CODE [51]
	*SHRP SECTION ID [2 0 0 4]

HIGHWAY RT. NO. (THIS COUNT)

US 29;

MILEPOST NO. OR LOCATION (THIS COUNT)

2.96; Between Elizabeth St and SR 86

FILENAME Included with all VDOT files in VA0210.CLA.txt DISK ID Submitted via E-Mail

BEGINNING DATE 10-01-2002 BEGINNING TIME 00:00

ENDING DATE 10-31-2002 ENDING TIME 24:00

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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS _____

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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)

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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>November 4, 2002</u>	revised November 11, 1999

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[623104]
	*STATE CODE	[51]
	*SHRP SECTION ID	[2 0 0 4]

HIGHWAY RT. NO. (THIS COUNT)

US 29;

MILEPOST NO. OR LOCATION (THIS COUNT)

2.96; Between Elizabeth St and SR 86

FILENAME Included with all VDOT files in VA0212.CLA.txt DISK ID Submitted via E-Mail

BEGINNING DATE 12-01-2002 BEGINNING TIME 00:00

ENDING DATE 12-31-2002 ENDING TIME 24:00

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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: NO. OF BINS

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>January 22, 2003</u>	revised November 11, 1999

Rec'd Sept. 11/02

<p align="center">SHEET 15</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">LOG OF CHANGE AT LTPP TEST</p> <p align="center">LOCATIONS WITH PERM. AVC OR WIM</p>	*STATE ASSIGNED ID	[623104]
	*STATE CODE	[5 1]
	*SHRP SECTION ID	[2 0 0 4]

LOCATION US 29; Between Elizabeth St and SR 86 TYPE EQUIP. Peek
MP# 2.96 MODEL # ADR 3000 Plus

[illegible]

<div>SHEET 16</div> <div>LTPP MONITORED TRAFFIC DATA</div> <div>SITE CALIBRATION SUMMARY</div>	<div>* STATE ASSIGNED ID [623104]</div> <div>* STATE CODE [5 1]</div> <div>* SHRP SECTION ID [2 0 0 4]</div>
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SITE CALIBRATION INFORMATION

1. *DATE OF CALIBRATION (MONTH/DAY/YEAR) [04/ 22 / 2002]

2. *TYPE OF EQUIPMENT CALIBRATED [] WIM [X] CLASSIFIER [] BOTH

3. *REASON FOR CALIBRATION

REGULARLY SCHEDULED SITE VISIT [] RESEARCH []

EQUIPMENT REPLACEMENT [] TRAINING []

DATA TRIGGERED SYSTEM REVISION [] NEW EQUIPMENT INSTALLATION [X]

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

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
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 [] 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