

**SHEET 10  
LTPP TRAFFIC DATA**

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

\*STATE ASSIGNED ID [ 010157 ]

\*STATE CODE [ 51 ]

\*SHRP SECTION ID [ 1419 ]

**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)
2004	10000	800 <u>516</u>	4350	374 <u>233</u>	123 <u>87</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) \_\_\_\_\_

ENTERED MAR 22 2006

D. Marshall

ENTERED JUN 05 2009

SCANNED

FEB 10 2009

NAME OF PREPARER Hamlin Williams PHONE# (804) 786-0134

DATE PREPARED March 3, 2006

rev. March 12, 2001

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ 010157 ]
	*STATE CODE	[ 51 ]
	*SHRP SECTION ID	[ 1419 ]

HIGHWAY RT. NO. (THIS COUNT) US 19

MILEPOST NO. OR LOCATION (THIS COUNT) Between SR 80 and Tazewell Co. Line

FILENAME C511419.I2E DISK ID Submitted via FTP

BEGINNING DATE 7-2-2004 BEGINNING TIME 00:00

ENDING DATE 12-31-2004 ENDING TIME 24:00

COUNT DURATION 6 [ ] 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>Hamlin Williams</u>	PHONE# <u>804-786-0134</u>
DATE PREPARED <u>3-18-2005</u>	revised November 11, 1999

<b>SHEET 14</b> <b>LTPP TRAFFIC DATA</b> <b>EQUIPMENT INSTALLATION LOG</b>	*STATE ASSIGNED ID	[010157]	<b>LOCATION US 19 Russel County</b> ✓ MM/DD/YYYY <b>INSTALLATION DATE 7/1/2004</b> ✓
	*STATE CODE	[51]	
	*SHRP SECTION ID	[1419]	

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	ADR 3000 Plus	Peek	
Interface			
Modem			
Loop Amplifiers			
Other			
Sensor(s) / Platform(s)			
LTPP Lane Sensor	Piezo	MSI Amp	
Sensor Next Adjacent Lane (1)	Piezo	MSI Amp	
Senor Next Adjacent Lane (2)	Piezo	MSI Amp	
Sensor Next Adjacent Lane (3)	Piezo	MSI Amp	
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other			
Software			
Complete Package			
Axle Spacing Algorithm Only			
Other			
Loops			
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			

revised November 11, 1999

Agency should list types and makers (brand, no of strands of wire) of the loops installed  
They should also list if there are one or two loops at the location  
If only one loop is installed between 2 axle sensors, describe this as the downstream loop