

<b>SHEET 10</b> <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME AND LOAD</b> <b>ESTIMATE UPDATE - NO SITE COUNT</b>	*STATE ASSIGNED ID [ <u>1492</u> ] *STATE CODE [ <u>37</u> ] *SHRP SECTION ID [ <u>1024</u> ]
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**1. ANNUAL TRAFFIC ESTIMATES**

YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT GPS LANE	ESTIMATED TOTAL TRUCKS AADT GPS LANE	ESTIMATED ESAL'S / YR GPS LANE (1000's)
11.0 <u>1991</u>	<u>3,500</u>	<u>390</u>	<u>1750</u>	<u>193</u>	<u>42</u>

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

- ☐ Growth factored last year's estimate.  
☒ Estimated based on volume counts at nearby locations.  
☐ Used computerized network analysis.  
☐ Other \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

- ☐ System distribution factors.  
☒ Other ASSUMED 50/50  
DIRECTION SPLIT  
 \_\_\_\_\_  
 \_\_\_\_\_

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

- ☐ Used system average from counts taken this year.  
☐ Used count data from nearby sites.  
☐ Used count data from previous years at GPS site.  
☒ Used system averages from previous year counts.  
☐ Used computerized network analysis.  
☐ Other \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

- ☐ ESAL/Truck factor.  
☒ ESAL/vehicle class factors - 5  
 Number of classes  
☐ Other \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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

- ☐ System distribution factors.  
☒ Other ASSUMED 50/50  
DIRECTION SPLIT  
 \_\_\_\_\_  
 \_\_\_\_\_

**7. ESAL ESTIMATES - SOURCE OF DATA**

- ☐ Prior years data collected at GPS site.  
☐ Current year system average.  
☒ Prior year system average.  
☐ Historical W-4 tables.  
☐ Other \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**8. WEIGHT SCALE TYPE**

- ☒ WIM Scale.  
☐ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

SHEET 12  
TRAFFIC DATA  
COLLECTION SITE

STATE ASSIGNED ID 1 4 9 2  
STATE CODE 3 7  
SHRP SECTION ID 1 0 2 4  
EFFECTIVE DATE 20 Sept 1991

HIGHWAY RT. NO. NC 107 MILEPOST NO. 28.62

LOCATION South of Cullowhee

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER        #BINS       

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE        PERMANENT X

AVC EQUIPMENT MAKE / MODEL NO. PAT EQUIPMENT CORP INC / C 100 S

SENSOR TYPE PIEZO ELECTRIC

WEIGHT SCALE TYPE: PORT. WIM        PERM. WIM X OTHER       

EQUIPMENT MAKE / MODEL NO. PAT EQUIPMENT CORP. INC. / DAW 100

SENSOR TYPE PIEZO ELECTRIC

METHOD OF CALIBRATION: SELF CALIBRATION FACTOR ADJUSTED ON CLASS 9'S

FREQUENCY OF CALIBRATION: HOURLY

COMMENTS: AUTOMATIC CALIBRATION CAPABILITES

NAME OF PREPARER GREG BENNETT

PHONE NO. (919) 250-4094

DATE PREPARED 26 MAY 93

**SHEET 14  
LTPP TRAFFIC DATA**

**EQUIPMENT INSTALLATION LOG**

STATE ASSIGNED ID [1422]

STATE CODE [37]

SHRP SECTION ID [1024]

LOCATION South of Cullowee

DATE OF INSTALLATION 20 Sept 91

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	C 100 S	Pat Equipment Corp. Inc.	910094
Interface			
Modem			
Loop Amplifiers			
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	Piezo Electric Class 1 Sensor	Philips Electronics Inc.	N/A
Sensor Next Adjacent Lane (1)	Piezo Electric Class 2 Sensor	Philips Electronics Inc.	N/A
Sensor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package			
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1	Induction Loops	N/A	N/A
Downstream - Lane 1	Induction Loops	N/A	N/A
Upstream - Other Lanes	Induction Loops	N/A	N/A
Downstream - Other Lanes	Induction Loops	N/A	N/A