

<b>SHEET 1</b> <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [1492] *STATE CODE [37] *SHRP SECTION ID [1024]
---	--

*Rural Main Arterial*

STATE OR PROVINCE North Carolina COUNTY JACKSON  
 HIGHWAY ROUTE NO. NC 107 MILEPOST# 28.62  
 NEAREST CITY/TOWN 1.5 miles South of Cullowhee NEAREST INTERSECTION 0.5 mi. S. of SR 1330  
 FUNCTIONAL CLASS 06 NO. LANES EACH DIRECTION 1 TOTAL NO. LANES 2  
 DIRECTION OF TRAVEL GPS LANE S DATE OPENED TO TRAF. 11-01-80  
 FIPS COUNTY CODE 099 FHWA STATION IDENTIFICATION NO. —  
 HPMS SAMPLE NO. — HPMS SUBDIVISION NO. —  
 TYPE OF PAVEMENT: AC ✓ PCC — OTHER —  
 CONTROL OF ACCESS: YES — NO ✓ MEDIAN: YES — NO ✓  
 CURRENT SURROUNDING DEVELOPMENT:  
 URBAN — SUBURBAN — RURAL ✓  
 HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?  
 YES — NO ✓  
 IF YES, DESCRIBE CHANGES —  
—  
—

**NOTE:** ATTACH ALL RELATED FORMS AND COUNT DATA AND SUBMIT TO THE  
 SHRP REGIONAL OFFICE. ATTACH MAP INDICATING THE LOCATION OF  
 EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION COUNT, OR WEIGHT  
 STATION RELATIVE TO THIS GPS TEST SECTION.

NAME OF PREPARER <u>Jerry Blackwelder</u> DATE PREPARED <u>3-5-92</u>	PHONE # <u>(919) 250-4094</u>
--	-------------------------------

<b>SHEET 2</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUMES</b> <b>AND LOAD ESTIMATES</b>	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ 37 ] *SHRP SECTION ID [ 1024 ]
---	---

ENTERED FEB 26 1999

YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT GPS LANE	4. ESTIMATED TOTAL TRUCKS AADT GPS LANE	5. ESTIMATED ESAL'S / YR GPS LANE (1000's)
1989					
1988					
1987					
1986					
1985					
1984					
1983					
1982					
1981					
1980	2100	170	1050	85	11
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>S. MacDonald</u>	PHONE # <u>716 632-0804</u>
DATE PREPARED <u>24 FEB 1999</u>	

<p><b>SHEET 2</b></p> <p><b>LTPP TRAFFIC DATA</b></p> <p><b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b></p>	<p>*STATE ASSIGNED ID [1492]</p> <p>*STATE CODE [37]</p> <p>*SHRP SECTION ID [1024]</p>
--	---

YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT GPS LANE	4. ESTIMATED TOTAL TRUCKS AADT GPS LANE	5. ESTIMATED ESAL'S / YR GPS LANE (1000's)
10.6 1989	3485	320	1740	185	42
8.4 1988	4045	340	2020	170	35
9.9 1987	4000	400	2000	178	22
5.0 1986	3920	200	1960	98	13
5.5 1985	3176	180	1590	87	11
6.4 1984	3736	240	1870	120	14
6.8 1983	1676	110	840	52	7
6.8 1982	2500	170	1250	85	11
7.6 1981	2300	180	1150	87	11
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

**SHEET 3**

**LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESALS**

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]  
 \*STATE CODE [ 32 ]  
 \*SHRP SECTION ID [ 1024 ]

1. Year Applicable 8682

**2. METHOD FOR ESTIMATING AADT**

- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☐ Averaged and factored multiple counts taken this year at the GPS site.
- ☐ Growth factored last year's estimate.
- ☐ Estimated based on volume counts at nearby locations.
- ☐ Used flow maps.
- ☐ Used computerized network analyses.
- ☒ Other: EXTRAPOLATED FROM 1983-1991 FIGURES

**3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES**

- ☐ Used a single count taken this year at the GPS site.
- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☒ Used system averages from counts taken this year.
- ☐ Used count data from nearby sites.
- ☐ Used count data taken in earlier years at the GPS site.
- ☐ Used system averages taken in earlier years at the GPS site.
- ☐ Used computerized network analyses.
- ☐ Other: \_\_\_\_\_

**4. METHOD FOR ESTIMATING AADT BY GPS LANE**

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: 1987 SYSTEM AVERAGES 0.5 DIR FACTOR

**5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES**

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: ASSUMED 0.5 DIR FACTOR

**6. METHOD FOR ESTIMATING ESAL/VEHICLE**

- ☐ ESAL/Truck.
- ☒ ESAL/Vehicle class. (no. of classes) 10
- ☐ Other: \_\_\_\_\_

**7. ESAL ESTIMATES**

**(A) Source of Data**

- ☐ Weight data collected at GPS site this year.
- ☐ Weight data collected at GPS site prior years.
- ☐ Weight data from system averages this year.
- ☐ Weight data from system averages prior years.
- ☐ Weight data from historic W-4 Tables used.
- ☒ Other: 1987 SYSTEM AVERAGES

**(B) Weight Scale Type**

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

NAME OF PREPARER \_\_\_\_\_ PHONE # \_\_\_\_\_  
 DATE PREPARED \_\_\_\_\_

**SHEET 3**

**LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESALS**

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [32]

\*SHRP SECTION ID [1024]

1. Year Applicable 83

**2. METHOD FOR ESTIMATING AADT**

- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☐ Averaged and factored multiple counts taken this year at the GPS site.
- ☐ Growth factored last year's estimate.
- ☐ Estimated based on volume counts at nearby locations.
- ☒ Used flow maps.
- ☐ Used computerized network analyses.
- ☐ Other: \_\_\_\_\_

**3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES**

- ☐ Used a single count taken this year at the GPS site.
- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☐ Used system averages from counts taken this year.
- ☐ Used count data from nearby sites.
- ☐ Used count data taken in earlier years at the GPS site.
- ☐ Used system averages taken in earlier years at the GPS site.
- ☐ Used computerized network analyses.
- ☒ Other: 1982 SYSTEM AVERAGE

**4. METHOD FOR ESTIMATING AADT BY GPS LANE**

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: ASSUMED 50/50 SPLIT

**5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES**

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: ASSUMED 50/50 SPLIT

**6. METHOD FOR ESTIMATING ESAL/VEHICLE**

- ☐ ESAL/Truck.
- ☒ ESAL/Vehicle class. (no. of classes) 10
- ☐ Other: \_\_\_\_\_

**7. ESAL ESTIMATES**

**(A) Source of Data**

- ☐ Weight data collected at GPS site this year.
- ☐ Weight data collected at GPS site prior years.
- ☐ Weight data from system averages this year.
- ☐ Weight data from system averages prior years.
- ☐ Weight data from historic W-4 Tables used.
- ☒ Other: 1982 SYSTEM AVERAGES

**(B) Weight Scale Type**

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

NAME OF PREPARER \_\_\_\_\_ PHONE # \_\_\_\_\_

DATE PREPARED \_\_\_\_\_

## SHEET 3

# LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [ 32 ]

\*SHRP SECTION ID [ 2024 ]

1. Year Applicable 84-86

## 2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☐ Averaged and factored multiple counts taken this year at the GPS site.  
☐ Growth factored last year's estimate.  
☐ Estimated based on volume counts at nearby locations.  
☒ Used flow maps.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.  
☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☒ Used system averages from counts taken this year.  
☐ Used count data from nearby sites.  
☐ Used count data taken in earlier years at the GPS site.  
☐ Used system averages taken in earlier years at the GPS site.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: ASSUMED 50/50 SPLIT

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: ASSUMED 50/50 SPLIT

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.  
☒ ESAL/Vehicle class. (no. of classes) 10  
☐ Other: \_\_\_\_\_

## 7. ESAL ESTIMATES

## (A) Source of Data

- ☐ Weight data collected at GPS site this year.  
☐ Weight data collected at GPS site prior years.  
☐ Weight data from system averages this year.  
☐ Weight data from system averages prior years.  
☐ Weight data from historic W-4 Tables used.  
☒ Other: 1987 SYSTEM AVERAGE

## (B) Weight Scale Type

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

NAME OF PREPARER \_\_\_\_\_

PHONE # \_\_\_\_\_

DATE PREPARED \_\_\_\_\_

## SHEET 3

# LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [32]

\*SHRP SECTION ID [1024]

1. Year Applicable 87

## 2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☐ Averaged and factored multiple counts taken this year at the GPS site.  
☒ Growth factored last year's estimate.  
☐ Estimated based on volume counts at nearby locations.  
☐ Used flow maps.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.  
☐ Factored a single count taken this year at the GPS site.  
☐ Averaged multiple counts taken this year at the GPS site.  
☒ Used system averages from counts taken this year.  
☐ Used count data from nearby sites.  
☐ Used count data taken in earlier years at the GPS site.  
☐ Used system averages taken in earlier years at the GPS site.  
☐ Used computerized network analyses.  
☐ Other: \_\_\_\_\_

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: ASSUMED 50/50  
DIRECTION SPLIT

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: ASSUMED 50/50  
DIRECTION SPLIT

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.  
☒ ESAL/Vehicle class. (no. of classes) 10  
☐ Other: \_\_\_\_\_

## 7. ESAL ESTIMATES

## (A) Source of Data

- ☐ Weight data collected at GPS site this year.  
☐ Weight data collected at GPS site prior years.  
☒ Weight data from system averages this year.  
☐ Weight data from system averages prior years.  
☐ Weight data from historic W-4 Tables used.  
☐ Other: \_\_\_\_\_

## (B) Weight Scale Type

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

NAME OF PREPARER \_\_\_\_\_

PHONE # \_\_\_\_\_

DATE PREPARED \_\_\_\_\_

# SHEET 3

## LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [ 37 ]

\*SHRP SECTION ID [ 1024 ]

1. Year Applicable 88, 89

### 2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☐ Averaged and factored multiple counts taken this year at the GPS site.
- ☐ Growth factored last year's estimate.
- ☐ Estimated based on volume counts at nearby locations.
- ☒ Used flow maps.
- ☐ Used computerized network analyses.
- ☐ Other: \_\_\_\_\_

### 3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.
- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☒ Used system averages from counts taken this year.
- ☐ Used count data from nearby sites.
- ☐ Used count data taken in earlier years at the GPS site.
- ☐ Used system averages taken in earlier years at the GPS site.
- ☐ Used computerized network analyses.
- ☐ Other: \_\_\_\_\_

### 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: ASSUMED 50/50  
DIRECTION SPLIT

### 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: ASSUMED 50/50  
DIRECTION SPLIT

### 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
- ☒ ESAL/Vehicle class. (no. of classes) 5
- ☐ Other: \_\_\_\_\_

### 7. ESAL ESTIMATES

#### (A) Source of Data

- ☐ Weight data collected at GPS site this year.
- ☐ Weight data collected at GPS site prior years.
- ☒ Weight data from system averages this year.
- ☐ Weight data from system averages prior years.
- ☐ Weight data from historic W-4 Tables used.
- ☐ Other: \_\_\_\_\_

#### (B) Weight Scale Type

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

NAME OF PREPARER \_\_\_\_\_

PHONE # \_\_\_\_\_

DATE PREPARED \_\_\_\_\_