

ENTERED MAR 3 0 2001

**SHEET 10  
LTPP TRAFFIC DATA**

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

\*STATE ASSIGNED ID [ 1803 ]  
\*STATE CODE [ 0 \_ 9 ]  
\*SHRP SECTION ID [ 1803 ]

**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)
1996	10550	420	5275	210	69

**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. (9)  
☐ 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. (4)  
☐ Averaged multiple counts taken this year at the LTPP site. (2)  
☐ Other: (10)

**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) (Previous Years)

**\*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 Anne-Marie McDonnell (860) 258-0308 REVISED from 9/10/98

DATE PREPARED 3/12/01

PHONE #  
rev. February 21, 2000

<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 [1803] *STATE CODE [09] *SHRP SECTION ID [ ]
---	---

249000

1. ANNUAL TRAFFIC ESTIMATES

ENTERED 106 : 2 1999

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)
1996	5275 10550	210 430	5275	210	26.5

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 One-lane same as total one-way vehicle count

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 -  
 Number of classes  
☐ Other ESAL per vehicle equivalency factors from 1990 data.

4. METHOD FOR ESTIMATING TOTAL VEHICLES GPS LANE AADT

- ☐ System distribution factors.  
☐ Other One lane same as total one-way vehicle count

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 ESAL per vehicle class equivalency factors (1990) data with estimated 1996 volume, earlier year's distribution of vehicle class.

8. WEIGHT SCALE TYPE

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

NAME OF PREPARER <u>A. McDonnell</u>	PHONE # <u>(860) 258-0308</u>
DATE PREPARED <u>9/10/98</u>	

**SHEET 10**  
**LTPP TRAFFIC DATA**

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

\*STATE ASSIGNED ID [L803]

\*STATE CODE [09]

\*SHRP SECTION ID [ \_ \_ \_ \_ ]

**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)
1996	<u>5275</u>	<u>210</u>	<u>5275</u>	<u>210</u>	<u>26.5</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 one-lane same as  
total one-way vehicle  
count

**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 -  
 Number of classes  
☐ Other ESAL per vehicle  
equivalency factors from  
Diagn data.

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

- ☐ System distribution factors.  
☐ Other one lane same as  
total one-way vehicle  
count

**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 ESAL per vehicle class  
equivalency factors (1990)  
data with estimated 1996  
volume, earlier year's distribution  
of vehicle class.

**8. WEIGHT SCALE TYPE**

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

NAME OF PREPARER A. McDonnell PHONE # (860) 258-0308  
 DATE PREPARED 9/10/98

**SHEET 12**  
**TRAFFIC DATA**  
**COLLECTION SITE**

STATE ASSIGNED ID 1190  
STATE CODE 09  
SHRP SECTION ID 1803  
EFFECTIVE DATE 1/1/1996

Highway Route No. 117 Milepost No. 2.95

Location Town of Groton; 0.4 mile north of Route 184

Vehicle Classification Method: FHWA \_\_\_\_\_ Other X #Bins 15

Type of Classification Equipment: Portable \_\_\_\_\_ Permanent X

AVC Equipment Make/model No. IRD / WIM Electronic

Sensor Type: IRD / Piezoelectric Cable

Weight Scale Type: Portable WIM \_\_\_\_\_ Permanent WIM X Other \_\_\_\_\_

Equipment Make/Model No. IRD / WIM Electric

Sensor Type: IRD / Piezoelectric Cable

Method of Calibration: Testing against loaded 5-axle truck of known weight

Frequency of Calibration: Semi-annually and as needed

Comments: In November 1995 it was discovered that a piezoelectric sensor was damaged. Attempts to repair the sensor did not work. The quality of the data during November 1995 is questionable.

In February 1996 the broken sensor was torn from the pavement and the computer malfunctioned, leaving the site disfunctional until repairs can be made. Please see attached pages for details.

Name of Preparer: Anne-Marie McDonnell  
Phone Number: 860-258-0308 Date Prepared: 09/01/96