

ENTERED MAR 30 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)
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1991	8140	408	4070	204	67
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**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

SHEET 10
LTPP TRAFFIC DATA

TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE - NO SITE COUNT

*STATE ASSIGNED ID [1803]

*STATE CODE [09]

*SHRP SECTION ID [_ _ _ _]

1. ANNUAL TRAFFIC ESTIMATES

ENTERED AUG 12 1999

(Class 4-13)

YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY) ONE-WAY	ESTIMATED TOTAL TRUCK AADT (TWO-WAY) ONE-WAY	ESTIMATED TOTAL VEHICLES AADT GPS LANE	ESTIMATED TOTAL TRUCKS AADT GPS LANE	ESTIMATED ESAL'S / YR GPS LANE (1000's)
1991	4070 8140	204 408	4070	204	20.4

2. METHOD FOR ESTIMATING TOTAL VEHICLE

AADT (TWO-WAY) ONE-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) ONE-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 _____

→ Used previous and later
counts

6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE

☐ ESAL/Truck factor.

☒ ESAL/vehicle class factors -

13 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 1991 volumes,
later 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 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [1190]
	*STATE CODE [09]
	*SHRP SECTION ID [1803]

HIGHWAY RT. NO. (THIS SESSION) 117 MILEPOST NO. (THIS SESSION) 2.95
LOCATION (THIS COUNT) TOWN of GROTON ; .4 MI NORTH of ROUTE 189
FILENAME C091809.J91 DISK/TAPE ID _____

BEGINNING DATE AUG 9, 1991 BEGINNING TIME 00:00
10/27/91
ENDING DATE FEB 4, 1992 ENDING TIME 01:59
24:00

COUNT DURATION 180 [] HOURS ☒ DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER* _____ #BINS 13

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL # IRD / PIEZOELECTRIC

SENSOR TYPE PIEZOELECTRIC CABLE

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
BY CLASSIFICATION.

GENERAL FACTORS see attached

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT

Unclassified grouped in bin 2.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>A. Mackertich</u>	PHONE # <u>(203) 258-0308</u>
DATE PREPARED <u>08-11-92</u>	

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID <u>[1190]</u>
	*STATE CODE <u>[09]</u>
	*SHRP SECTION ID <u>[1803]</u>

HIGHWAY RT. NO. (THIS SESSION) 117

MILEPOST NO. OR LOCATION (THIS SESSION) 2.95 / TOWN OF GROTON

FILENAME W091803.J01 DISK/TAPE ID _____

BEGINNING DATE AUG 19, 1991 BEGINNING TIME 07:00
00:00

ENDING DATE 10/27/91 ENDING TIME 16:59
FEB 4, 1992 24:00

COUNT DURATION 180 [] HOURS [X] DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# IRD / PIEZOELECTRIC

SENSOR TYPE PIEZOELECTRIC WIM CABLE

COMMENTS _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>A. MACKERTICH</u>	PHONE # <u>(203) 258-0308</u>
DATE PREPARED <u>08-11-92</u>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [09]
	*SHRP SECTION ID [1803]

HIGHWAY RT. NO. (THIS SESSION) 117 MILEPOST NO. (THIS SESSION) 2.95
 LOCATION (THIS COUNT) 0.4 MILES NORTH OF ROUTE 184
 FILENAME CO91803.LQ1 DISK/TAPE ID _____

BEGINNING DATE 10/27/91 BEGINNING TIME 02:00

ENDING DATE 02/03/92 ENDING TIME 23:59

COUNT DURATION _____ [] HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
 VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
 THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL # 180

SENSOR TYPE PIEZO CABLE

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
 BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT UNCLASSIFIEDS GROUPED IN BIN #2

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE [09]
	*SHRP SECTION ID [1803]

HIGHWAY RT. NO. (THIS SESSION) 117

MILEPOST NO. OR LOCATION (THIS SESSION) 2.95

FILENAME W091803.LR1 DISK/TAPE ID _____

BEGINNING DATE 10/28/91 BEGINNING TIME 04:00

ENDING DATE 12/31/91 ENDING TIME 23:59

COUNT DURATION _____ [] HOURS [] DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# IRD

SENSOR TYPE PIEZO CABLE

COMMENTS _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

**SHEET 14
LTPP TRAFFIC DATA**

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [1190]

STATE CODE [09]

SHRP SECTION ID [1803]

LOCATION Town of Groton, Rt. 117 NB
0.8 mi North of Rt. 184

DATE OF INSTALLATION May 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	386SX Computer	IRD	
Interface	1060 Piezo WIM Board	IRD	
Modem	2400 Baud External	INTEL	KK014244KD6
Loop Amplifiers	MXE4-3-0	MICROSENSE	
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	Class 1 Piezo Cable	Vibracoax by Thermocoax	
Sensor Next Adjacent Lane (1)			
Sensor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	1060 WIM REV 7.2.2	IRD	
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1	Inductive Loop		
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			