

<b>SHEET 1</b> <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [8 4 3 1] *STATE CODE [25] 44 *SHRP SECTION ID [7 4 0 1] 7401
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STATE OR PROVINCE Rhode Island COUNTY Providence  
 HIGHWAY ROUTE NO. STHW 146 MILEPOST# 16  
 NEAREST CITY/TOWN N. Smithfield NEAREST INTERSECTION Center St.  
 FUNCTIONAL CLASS 12 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4  
 DIRECTION OF TRAVEL GPS LANE North DATE OPENED TO TRAF. - - - 86  
 FIPS COUNTY CODE \_\_\_\_\_ FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
 HPMS SAMPLE NO. \_\_\_\_\_ HPMS SUBDIVISION NO. \_\_\_\_\_  
 TYPE OF PAVEMENT: AC \_\_\_\_\_ PCC \_\_\_\_\_ OTHER X  
 CONTROL OF ACCESS: YES X NO \_\_\_\_\_ MEDIAN: YES \_\_\_\_\_ NO \_\_\_\_\_  
 CURRENT SURROUNDING DEVELOPMENT:  
 URBAN \_\_\_\_\_ SUBURBAN X RURAL \_\_\_\_\_  
 HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?  
 YES \_\_\_\_\_ NO X  
 IF YES, DESCRIBE CHANGES Limited access highway no roadside  
development

**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>Paul O. McEnanly</u> DATE PREPARED <u>25 Mar 91</u>	PHONE # <u>401-277-2694</u>
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<b>SHEET 2</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b>	*STATE ASSIGNED ID [8 4 3 1]  *STATE CODE [2 5] 44  *SHRP SECTION ID [7 4 0 1]
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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	10,000	1,400	3,700	510	186
1988	10,200	1430	3780	520	190
1987	9,400	1320	3480	480	175
1986	9,400	1320	3480	480	175
1985					
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NAME OF PREPARER <u>Paul O. McEnanly</u>	PHONE # <u>401-277-2694</u>
DATE PREPARED <u>25 Mar 91</u>	

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

\*STATE ASSIGNED ID [8 4 3 1]

\*STATE CODE

[2 5 1]

44

\*SHRP SECTION ID

[7 40 1]

1. Year Applicable 1989

## 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: LANE COUNTS AT NEARBY SITES

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

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: LANE COUNTS AT NEARBY SITES

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
- ☐ ESAL/Vehicle class. (no. of classes) \_\_\_\_\_
- ☒ Other: ASSUMED 1 ESAL PER TRUCK

## 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 Paul O. McEnanly PHONE # 401-277-2694DATE PREPARED 25 Mar 91

## SHEET 3

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

\*STATE ASSIGNED ID [8 4 3 1]

\*STATE CODE

[2 5 1 44]

\*SHRP SECTION ID

[74 01]

1. Year Applicable 1988, 82, 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: ASSUMED TRUCK PERCENT  
TO BE THE SAME AS IN 1989

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: USED 1989 LANE  
COUNT

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

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: USED 1989 LANE  
COUNT

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.  
☐ ESAL/Vehicle class. (no. of classes) \_\_\_\_\_  
☒ Other: ASSUMED 1 ESAL  
PER TRUCK

## 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 Paul O. McEnanly PHONE # 401-277-2694DATE PREPARED 25 Mar 91

<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ 8 43 1 ] *STATE CODE <del>125</del> 44 *SHRP SECTION ID [ 7 4 0 1 ]
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HIGHWAY ROUTE NO. (THIS COUNT) 146

MILEPOST# OR LOCATION (THIS COUNT) 16

BEGINNING DATE 5/23/89 ENDING DATE 5/30/89

BEGINNING TIME 10:20 AM ENDING TIME 8:53 AM

COUNT DURATION 7 ~~22~~ HOURS ☒ DAYS [ ] MONTHS

TYPE OF COUNTER Golden River NAME/MODEL # Weighman

TYPE OF COUNT: TWO-WAY ☐ ONE DIRECTION ONLY ☐ GPS TEST LANE ONLY ☒

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)		<u>27,656</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT		<u>0.148</u>
B. AXLE CORRECTION FACTOR		<u>----</u>
C. DAY OF WEEK FACTOR		<u>----</u>
D. MONTH FACTOR		<u>.935</u> <u>1.07</u>
E. OTHER FACTOR ( <u>TWO-WAY TRAFFIC</u> )		<u>2.700</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>10,000</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>.5</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>.74</u>
6. AADT GPS LANE		<u>3700</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Paul O. McEnanly</u>	PHONE # <u>401-277-2694</u>
DATE PREPARED <u>25 March 91</u>	