

*STATE ASSIGNED ID [1247]
*STATE CODE [13]
*SHRP SECTION ID [1005]

RECEIVED APR 20 1992 JB
8-22

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 _____ PHONE # _____
DATE PREPARED _____

<p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	<p>*STATE ASSIGNED ID [_ _ _ _]</p> <p>*STATE CODE [1 3]</p> <p>*SHRP SECTION ID [1 0 0 5]</p>
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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	<u>13525</u>	<u>1082 (8.0%)</u>	$\textcircled{2} \times 0.65 =$ <u>4396</u>	$\textcircled{2} \times 0.25 =$ <u>460</u>	$\textcircled{2} \times 1.05 \times 3.25 =$ <u>177.92</u>
1988	<u>12696</u>	<u>1016</u>	<u>4126</u>	<u>432</u>	<u>167.06</u>
1987					
1986					
1985					
1984					
1983					
1982					
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>Lanka Santha</u>	PHONE # <u>404-363-7559</u>
DATE PREPARED <u>4/6/92</u>	

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

*STATE ASSIGNED ID [_ _ _ _]

*STATE CODE [13]

*SHRP SECTION ID [1005]

1. Year (s) 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: State wide
functional system

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: Estimate based
on functional system

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
- ☒ System distribution factors.
- ☐ Other: _____

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☒ System distribution factors.
- ☐ Other: _____

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
- ☒ ESAL/Vehicle class. (no. of classes) 2
- ☐ 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 Lanka SanthaPHONE # 404 - 363 - 7559DATE PREPARED 4/6/92

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [0003] *STATE CODE [13] *SHRP SECTION ID [1005]
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STATE OR PROVINCE GEORGIA COUNTY HOUSTON
 HIGHWAY ROUTE NO. SR 247 CONN MILEPOST# 1.10
 NEAREST CITY/TOWN 2.82 M W of Warner NEAREST INTERSECTION 0.63 Mi. E of SR 11
 FUNCTIONAL CLASS 1A ^{7 SB 8-23-95 Robins} NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
 DIRECTION OF TRAVEL GPS LANE E DATE OPENED TO TRAF. 06 - 86
 FIPS COUNTY CODE 153 FHWA STATION IDENTIFICATION NO. 153-0143
 HPMS SAMPLE NO. - HPMS SUBDIVISION NO. -
 TYPE OF PAVEMENT: AC X PCC - OTHER -
 CONTROL OF ACCESS: YES - NO X MEDIAN: YES X NO -
 CURRENT SURROUNDING DEVELOPMENT:
 URBAN - SUBURBAN - RURAL X
 HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?
 YES - NO X
 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>David Spillman</u> DATE PREPARED <u>6/25/90</u>	PHONE # <u>404-986-1364</u>
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SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [0003] *STATE CODE [13] *SHRP SECTION ID [1005]
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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	16,014	446	4,646	218	
1988					
1987					
1986					
1985					
1984					
1983					
1982					
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>David Spillman</u>	PHONE # <u>404-986-1364</u>
DATE PREPARED <u>6/25/90</u>	

SHEET 3

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

*STATE ASSIGNED ID [0202]

*STATE CODE [13]

*SHRP SECTION ID [1005]

1. Year Applicable 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: _____

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☒ Based on actual lane count data.
☐ System distribution factors.
☐ Other: _____

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☐ ESAL/Vehicle class. (no. of classes) _____
☐ Other: PROVIDED ON FLOPPY DISK

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: PROVIDED ON FLOPPY DISK

(B) Weight Scale Type

- ☒ WIM scale.
☐ Static scale used for enforcement.
☐ Static scale not used for enforcement.
☒ Other: PROVIDED ON FLOPPY DISK

NAME OF PREPARER David SpillmanPHONE # 404-986-1364DATE PREPARED 6/25/90

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID <u>10003</u>
	*STATE CODE <u>13</u>
	*SHRP SECTION ID <u>1005</u>

HIGHWAY ROUTE NO. (THIS COUNT) SR 247 CONN

MILEPOST# OR LOCATION (THIS COUNT) MP 1.10

BEGINNING DATE 9/9/89 ENDING DATE 9/11/89

BEGINNING TIME 2400 ENDING TIME 2400

COUNT DURATION 72 ☒ HOURS ☐ DAYS ☐ MONTHS

TYPE OF COUNTER Streeter NAME/MODEL # 241

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

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)		<u>43786</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT		<u>0.333</u>
B. AXLE CORRECTION FACTOR		<u>1.000</u>
C. DAY OF WEEK FACTOR		<u>1.017</u>
D. MONTH FACTOR		<u>0.960</u>
E. OTHER FACTOR ()		<u>-----</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>14235</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>0.496</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>0.627</u>
6. AADT GPS LANE		<u>4427</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>David Spillman</u>	PHONE # <u>404-986-1364</u>
DATE PREPARED <u>6/25/90</u>	

SHEET 5 LTPP TRAFFIC DATA VEHICLE CLASSIFICATION DATA FHWA 13-CLASS SYSTEM	*STATE ASSIGNED ID [0003] *STATE CODE [13] *SHRP SECTION ID [1005]
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HIGHWAY RT. NO. (THIS COUNT) SR 247 CONN MILEPOST# (THIS COUNT) 1.10

LOCATION (THIS COUNT) MP 1.10 FUNCTIONAL CLASS 407 SB 8.23-95

BEGINNING DATE 9/9/89 ENDING DATE 9/11/89

BEGINNING TIME 2400 ENDING TIME 2400 DURATION (HRS) 72

TYPE OF COUNT: MANUAL AUTOMATED X NO. OF LANES COUNTED 4

TYPE OF EQUIP.: AVC PERM. AVC PORT. X WIM PERM. WIM PORT.

EQUIPMENT NAME / MODEL # Streeter 241

TOTAL NO. OF VEHICLES CLASSIFIED 43,786 # TRUCKS 1,366 % TRUCKS 3.120

NO. OF TRUCKS IN GPS LANE 342 % OF TRUCKS IN GPS LANE 2.511

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER # BINS

NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 6. PLEASE DESCRIBE ON AN ATTACHED PAGE THE VEHICLE CLASSIFICATION SYSTEM USED BY THE AGENCY AND COMPLETE SHEET 7 DESCRIBING HOW THE SHA WOULD EXPAND OR COLLAPSE THE USER CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES.

VEHICLE CLASSES	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
1. FHWA CLASSES 1-3 (Cars, Motorcycles, Vans)	<u>42420</u>	<u>21096</u>	<u>13276</u>
2. FHWA CLASS 4 (Buses)	<u>387</u>	<u>180</u>	<u>13</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>325</u>	<u>156</u>	<u>93</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>115</u>	<u>53</u>	<u>48</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>5</u>	<u>2</u>	<u>1</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>248</u>	<u>109</u>	<u>50</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>273</u>	<u>134</u>	<u>132</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>10</u>	<u>4</u>	<u>4</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>0</u>	<u>0</u>	<u>0</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>1</u>	<u>1</u>	<u>0</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	<u>2</u>	<u>1</u>	<u>1</u>
12. OTHER VEHICLES	<u>0</u>	<u>0</u>	<u>0</u>
GRAND TOTAL	<u>43786</u>	<u>21736</u>	<u>13618</u>

NAME OF PREPARER <u>David Spillman</u>	PHONE # <u>404-986-1364</u>
DATE PREPARED <u>6/25/89</u>	

SHEET 5 LTPP TRAFFIC DATA VEHICLE CLASSIFICATION DATA FHWA 13-CLASS SYSTEM	*STATE ASSIGNED ID [<u>0003</u>] *STATE CODE [<u>13</u>] *SHRP SECTION ID [<u>1005</u>]
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HIGHWAY RT. NO. (THIS COUNT) SR 247 CONN MILEPOST# (THIS COUNT) 1.10

LOCATION (THIS COUNT) MP 1.10 FUNCTIONAL CLASS 1A 07 58 8-22-91

BEGINNING DATE 12/1/89 ENDING DATE 12/3/89

BEGINNING TIME 2400 ENDING TIME 2400 DURATION (HRS) 72

TYPE OF COUNT: MANUAL _____ AUTOMATED X NO. OF LANES COUNTED 2

TYPE OF EQUIP.: AVC PERM. _____ AVC PORT. X WIM PERM. _____ WIM PORT. _____

EQUIPMENT NAME / MODEL # Streeter 241

TOTAL NO. OF VEHICLES CLASSIFIED 27,930 # TRUCKS 703 % TRUCKS 2.517

NO. OF TRUCKS IN GPS LANE 336 % OF TRUCKS IN GPS LANE 2.201

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____ # BINS _____

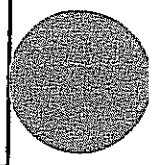
NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 6. PLEASE DESCRIBE ON AN ATTACHED PAGE THE VEHICLE CLASSIFICATION SYSTEM USED BY THE AGENCY AND COMPLETE SHEET 7 DESCRIBING HOW THE SHA WOULD EXPAND OR COLLAPSE THE USER CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES.

VEHICLE CLASSES	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
1. FHWA CLASSES 1-3 (Cars, Motorcycles, Vans)	_____	<u>27227</u>	<u>14932</u>
2. FHWA CLASS 4 (Buses)	_____	<u>161</u>	<u>14</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	<u>165</u>	<u>110</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	<u>100</u>	<u>49</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	<u>9</u>	<u>0</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	<u>126</u>	<u>39</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	<u>132</u>	<u>124</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	<u>7</u>	<u>0</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	<u>0</u>	<u>0</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	<u>0</u>	<u>0</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	<u>3</u>	<u>0</u>
12. OTHER VEHICLES	_____	<u>0</u>	<u>0</u>
GRAND TOTAL	_____	<u>27930</u>	<u>15268</u>

NAME OF PREPARER David Spillman PHONE # 404-986-1364

DATE PREPARED 6/25/89

SHEET 8 LTPP TRAFFIC DATA TRUCK WEIGHT SESSION INFORMATION	*STATE ASSIGNED ID <u>[0003]</u>
	*STATE CODE <u>[13]</u>
	*SHRP SECTION ID <u>[1005]</u>



HIGHWAY RT. NO.(THIS SESSION) SR 2470000 MILEPOST # (THIS SESSION) 1.10

LOCATION (THIS SESSION) _____

FUNCTIONAL CLASSIFICATION 1407 DIRECTION OF TRAVEL E

1. FHWA STATION IDENTIFICATION NUMBER _____

2. TYPE OF WEIGHING EQUIPMENT: PERM. SCALE _____ PERM. WIM _____
 PORT. SCALE _____ PORT. WIM X

3. COUNT DURATION (HOURS) 48 - COUNT LANE _____

4. BEGINNING TIME (MONTH, DAY, YEAR, TIME) 3-10-89-1200

5. ENDING TIME (MONTH, DAY, YEAR, TIME) 3-12-89-1100

6. EQUIPMENT MANUFACTURER / MODEL # Streater-Richardson 5150

7. PURPOSE OF WEIGHT SESSION:
 DATA COLLECTION X ENFORCEMENT _____

8. VEHICLE CLASSIFICATION SCHEME: FHWA X OTHER _____ # BINS _____

9. PAVEMENT TYPE: AC X PCC _____ OTHER _____

10. METHOD OF CALIBRATION AND FREQUENCY:

- Weigh mats are calibrated according to manufacturers specifications
- every 90 days and/or after an equipment component change. By
- comparing axle and gross weights of vehicles as they contact each weight
- mat with weights from static scales, axle weight adjustments can be
- made to the WIM weights as necessary to calibrate equipment. Site
- checks after each relocation of equipment are also made at high volume
- roads over 10,000 vpd, comparing steering axle weights from each weight
- mat with the average of thirty (30) 3S2 axle trucks.

NOTE

WOULD EXPAND OR COLLAPSE THE AGENCY CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES. ALSO PROVIDE A DESCRIPTION OF THE CLASSIFICATION SCHEME THAT WAS USED.

NAME OF PREPARER <u>David Skillman</u>	PHONE # <u>404-986-1364</u>
DATE PREPARED <u>6/25/89</u>	

SHEET 8 LTPP TRAFFIC DATA TRUCK WEIGHT SESSION INFORMATION	*STATE ASSIGNED ID [0003]
	*STATE CODE [13]
	*SHRP SECTION ID [1005]

HIGHWAY RT. NO.(THIS SESSION) SR 2470000 MILEPOST # (THIS SESSION) 1.10

LOCATION (THIS SESSION) _____

FUNCTIONAL CLASSIFICATION 147 DIRECTION OF TRAVEL E

1. FHWA STATION IDENTIFICATION NUMBER _____

2. TYPE OF WEIGHING EQUIPMENT: PERM. SCALE _____ PERM. WIM _____
 PORT. SCALE _____ PORT. WIM X

3. COUNT DURATION (HOURS) 48 COUNT LANE _____

4. BEGINNING TIME (MONTH, DAY, YEAR, TIME) 3-31-89-1400

5. ENDING TIME (MONTH, DAY, YEAR, TIME) 4-2-89-1300

6. EQUIPMENT MANUFACTURER / MODEL # Streeter-Richardson 5150

7. PURPOSE OF WEIGHT SESSION:

DATA COLLECTION X ENFORCEMENT _____

8. VEHICLE CLASSIFICATION SCHEME: FHWA X OTHER _____ # BINS _____

9. PAVEMENT TYPE: AC X PCC _____ OTHER _____

10. METHOD OF CALIBRATION AND FREQUENCY:

1. Weigh mats are calibrated according to manufacturers specifications every 90 days and/or after an equipment component change. By comparing axle and gross weights of vehicles as they contact each weight mat with weights from static scales, axle weight adjustments can be made to the WIM weights as necessary to calibrate equipment. Site checks after each relocation of equipment are also made at high volume roads over 10,000 vpd, comparing steering axle weights from each weight mat with the average of thirty (30) 3S2 axle trucks.

N

WOULD EXPAND OR COLLABORATE THE AGENCY CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES. ALSO PROVIDE A DESCRIPTION OF THE CLASSIFICATION SCHEME THAT WAS USED.

NAME OF PREPARER <u>David Spillman</u>	PHONE # <u>404-986-1364</u>
DATE PREPARED <u>6/25/89</u>	