

SHEET 1	•STATE ASSIGNED ID [_____]
LTPP TRAFFIC DATA	•STATE CODE [42]
SUMMARY TRANSMITTAL FORM	•SHRP SECTION ID [1610]

STATE OR PROVINCE PENNSYLVANIA COUNTY YORK

HIGHWAY ROUTE NO. SR 83 MILEPOST# SEG 80

NEAREST CITY/TOWN 4 MI S LOGANVILLE

NEAREST INTERSECTION .5 MI N PA 216

FUNCTIONAL CLASS 1 NO.LANES EA DIRECTION 2 TOTAL NO.LANES 4

DIRECTION OF TRAVEL GPS LANE N DATE OPENED TO TRAF. - -89

FIPS COUNTY CODE 133 FHWA STATION IDENTIFICATION NO. _____

HPMS SAMPLE NO. 660083007899 HPMS SUBDIVISION NO. 0

TYPE OF PAVEMENT: AC X PCC _____ OTHER _____

CONTROL OF ACCESS: YES X NO _____ 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 _____

NAME OF PREPARER <u>EDWIN R. MARSHALL, JR.</u>	PHONE # <u>(717) 787-3082</u>
DATE PREPARED <u>11/15/90</u>	

The information listed below is the best available.

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	•STATE ASSIGNED ID [-----] •STATE CODE [42] •SHRP SECTION ID [1610]
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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 TRUCK AADT GPS LANE	5 ESTIMATED ESAL'S/YR GPS LANE (1000's)
1989	26566	4920	10626	1968	514 586
1988	25160	4660	10064	1864	559
1987	24702	4575	9881	1830	549
1986	24017	4405	9607	1762	529
*1985	23102	4278	9241	1711	514
1984	22873	4236	9145	1694	508
1983	21429	3964	8572	1586	475
*1982	19111	3587	7644	1435	431
1981	18988	3513	7595	1405	421
*1980	15800	3478	7520	1391	416
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>PALMER E. WERT, JR</u>	PHONE # <u>(717) 787-4574</u>
DATE PREPARED <u>11/15/90</u>	

* ACTUAL AADT COUNT DATA.

13.5 82

SHEET 3

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

*STATE ASSIGNED ID [_ _ _ _]

*STATE CODE [42]

*SHRP SECTION ID [1610]

1. Year Applicable 80, 82

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: Used 1975 classification count data

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: ASSUMED .5 DIRECTIONAL AND .8 LANE FACTORS

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: ASSUMED .5 DIRECTIONAL AND .8 LANE FACTORS

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/Truck.
- ☒ ESAL/Vehicle class. (no. of classes) 11
- ☐ 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 [_ _]

*SHRP SECTION ID [_ _ _ _]

1. Year Applicable 81, 83, 84

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: Used 1985 classification count data

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: Assumed .5 direction and .8 lane factors

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: Assumed .5 direction and .8 lane factors

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☒ ESAL/Vehicle class. (no. of classes) 11
☐ 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 [_ _]

*SHRP SECTION ID [_ _ _ _]

1. Year Applicable 85

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 25 direction and 2 lane factors

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: Assumed 25 direction and 2 lane factors

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
- ☒ ESAL/Vehicle class. (no. of classes) 11
- ☐ 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 [_ _]

*SHRP SECTION ID [_ _ _ _]

1. Year Applicable 86-87

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 2.5 direction and 2 lane factors

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: Assumed 2.5 direction and 2 lane factors

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☒ ESAL/Vehicle class. (no. of classes) 11
☐ 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 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [_ _] *SHRP SECTION ID [_ _ _ _]
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HIGHWAY ROUTE NO. (THIS COUNT) 83

MILEPOST# OR LOCATION (THIS COUNT) 80

BEGINNING DATE 3/05/85 ENDING DATE 3/05/85

BEGINNING TIME 0000 ENDING TIME 2400

COUNT DURATION 24 [X] HOURS [] DAYS [] MONTHS

TYPE OF COUNTER STREETER NAME/MODEL # 241

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

ITEM		ACTUAL COUNTS
		UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)		23228 <u>23122</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		<u>11160</u>
A. ADJUSTMENT TO 24-HOUR COUNT		<u> </u>
B. AXLE CORRECTION FACTOR		<u> </u>
C. DAY OF WEEK FACTOR		<u>1.035</u>
D. MONTH FACTOR		<u> </u>
E. OTHER FACTOR (<u>TWO-WAY TRAFFIC</u>)		<u>2.000</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>23122</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>.50</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>.80</u>
6. AADT GPS LANE		<u>9241</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

SHEET 5 LTPP TRAFFIC DATA VEHICLE CLASSIFICATION DATA FHWA 13-CLASS SYSTEM	*STATE ASSIGNED ID [_____] *STATE CODE [<u>42</u>] *SHRP SECTION ID [<u>1610</u>]
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HIGHWAY RT. NO. (THIS COUNT) 22 MILEPOST# (THIS COUNT) 80

LOCATION (THIS COUNT) _____ FUNCTIONAL CLASS 01

BEGINNING DATE 3/05/85 ENDING DATE 3/05/85

BEGINNING TIME 0000 ENDING TIME 2400 DURATION (HRS) 24

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 - AMET 171

TOTAL NO. OF VEHICLES CLASSIFIED 11160 # TRUCKS 2067 % TRUCKS 18.5

NO. OF TRUCKS IN GPS LANE _____ % OF TRUCKS IN GPS LANE _____

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>9093</u>	_____
2. FHWA CLASS 4 (Buses)	_____	<u>0</u>	_____
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	<u>349</u>	_____
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	<u>92</u>	_____
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	<u>39</u>	_____
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	<u>16</u>	_____
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	<u>212</u>	_____
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	<u>1316</u>	_____
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	<u>71</u>	_____
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	<u>2</u>	_____
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	<u>0</u>	_____
12. OTHER VEHICLES	_____	<u>0</u>	_____
GRAND TOTAL	_____	<u>11160</u>	_____

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	