

SHEET 1	*STATE ASSIGNED ID [.....]
LTPP TRAFFIC DATA	*STATE CODE [42]
SUMMARY TRANSMITTAL FORM	*SHRP SECTION ID [1690]

STATE OR PROVINCE PENNSYLVANIA COUNTY LYCOMING  
HIGHWAY ROUTE NO. SR 180 MILEPOST# SEG. 485  
NEAREST CITY/TOWN 1 MI E. OF MUNCEY  
NEAREST INTERSECTION .5 MI. S.E. PA 405  
FUNCTIONAL CLASS 1 NO.LANES EA DIRECTION 2 TOTAL NO.LANE 4  
DIRECTION OF TRAVEL GPS LANE W DATE OPENED TO TRAF. - -84  
FIPS COUNTY CODE 081 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
HPMS SAMPLE NO. 410180017332 HPMS SUBDIVISION NO. 0  
TYPE OF PAVEMENT: AC \_\_\_\_\_ PCC X 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>10/19/90</u>	

ENTERED SEP 13 2000

SHEET 1	*STATE ASSIGNED ID [ _ _ _ _ ]
LTPP TRAFFIC DATA	*STATE CODE [ <u>42</u> ]
SUMMARY TRANSMITTAL FORM	*SHRP SECTION ID [ <u>A400</u> ]

1692

STATE OR PROVINCE Pennsylvania COUNTY LYCOMING.

HIGHWAY ROUTE NO. SR 180 MILEPOST#           

NEAREST CITY/TOWN Muncy NEAREST INTERSECTION HWY 54

\*FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4

\*DIRECTION OF TRAVEL LTPP LANE N [N S E W]

\*DATE OPENED TO TRAFFIC 01-01-1973

FIPS COUNTY CODE 081 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_

HPMS SAMPLE NO. 40180017332 HPMS SUBDIVISION 0

\*TYPE OF PAVEMENT: 1- AC \_\_\_\_\_ 2 - PCC ~~\_\_\_\_\_~~ 3 - OTHER \_\_\_\_\_

CONTROL OF ACCESS: YES ☒ NO ☐ MEDIAN: YES ☒ NO ☐

**CURRENT (1990) SURROUNDING DEVELOPMENT:**

URBAN \_\_\_\_\_ SUBURBAN \_\_\_\_\_ RURAL X

## DID INTENSITY OF ROADSIDE DEVELOPMENT INCREASE BETWEEN 1980 AND 1990?

YES \_\_\_\_\_ NO ~~X~~

IF YES, DESCRIBE CHANGES

NEW FUNCTIONAL CLASS: \_\_\_\_\_

DATE FUNCTIONAL CLASS CHANGED: \_\_\_\_\_

**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 LTPP SITE.

NAME OF PREPARER *Ed Fillion*

PHONE # 716-632-0804

DATE PREPARED Sept. 13/00

rev. February 28, 2000

<b>SHEET 2</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b>	*STATE ASSIGNED ID [ _ _ _ _ ]  *STATE CODE [ 42 ]  *SHRP SECTION ID [ 1690 ]
---	---

ENTERED FEB 26 1999

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					
1988					
1987					
1986					
1985					
1984					
1983	4703	1228	1881	752	217
1982	4656	1216	1863	745	215
1981	4610	1204	1844	738	213
1980	4565	1192	1826	730	210
1979	4519	1180	1808	723	208
1978	4475	1168	1790	716	206
1977	4430	1157	1772	709	204
1976	4387	1145	1755	702	202
1975	4343	1134	1737	695	200
1974	4300	1123	1720	688	198
1973	4258	1111	1703	681	196
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>S. MacDonald</u>	PHONE # <u>716-637-0804</u>
DATE PREPARED <u>24 FEB 1999</u>	

ENTERED AUG 28 2000

**SHEET 2  
LTPP TRAFFIC DATA**

**TRAFFIC VOLUMES  
AND LOAD ESTIMATES**

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [ 42 ]

\*SHRP SECTION ID [ A400 ]

*YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT LTPP LANE	*4. ESTIMATED TOTAL TRUCKS AADT LTPP LANE	*5. ESTIMATED ESALS/YEAR LTPP LANE (100'S)
1989 x	5520	1442	2208	883	254
1988 x	5042	1370	2096	838	241
1987 x	5140	1343	2056	822	237
1986 x	4990	1304	1996	798	230
1985 x	4800	1254	1920	768	221
1984 x	4750	1240	1900	760	219
1983 x	4703	1228	1881	752	217
1982 x	4656	1216	1863	745	215
1981 x	4610	1204	1844	738	213
1980 x	4565	1192	1826	730	210
1979 x	4519	1180	1808	723	208
1978 x	4475	1168	1790	716	206
1977 x	4430	1157	1772	709	204
1976 x	4387	1154	1755	702	202
1975 x	4343	1134	1737	695	200
1974 x	4300	1123	1720	688	198
1973 x	4258	1111	1703	681	196
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER Ed FillionDATE PREPARED Aug-28/00PHONE # 716-632-0804

Rev. November 8, 1999

<p>SHEET 2</p> <p><b>LTPP TRAFFIC DATA</b></p> <p><b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b></p>	<p>•STATE ASSIGNED ID [____]</p> <p>•STATE CODE [42]</p> <p>•SHRP SECTION ID [1690]</p>
---	---

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	5520	1442	2208	883	254
1988	5242	1370	2096	838	241
1987	5140	1343	2056	822	237
1986	4990	1304	1996	798	230
1985	4800	1254	1920	768	221
1984	4750	1240	1900	760	219
1983					
1982					
1981					
1980					
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>10/19/90</u>	

**SHEET 3**  
**LTPP TRAFFIC DATA**  
**PROCEDURES FOR ESTIMATING**  
**ANNUAL AVERAGE VOLUMES AND**  
**TOTAL ANNUAL ESALS**

\*STATE ASSIGNED ID [-----]

\*STATE CODE [42]

\*SHRP SECTION ID [1690]

1. YEAR APPLICABLE 1984

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 years estimate.  
☐ Estimated based on volume counts at nearby locations.  
☐ Used flow maps.  
☐ Used computerized network analyses.  
☒ Other FACTORED FROM 1985. COUNT

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.  
☒ Other FACTORED FROM 1985. COUNT

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane data.  
☐ System distribution factors.  
☒ Other FACTORED FROM 1985. ASSUMED .5 AND .8 DIRECTIONAL AND LANE FACTORS

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES.

- ☐ Based on actual lane count data.  
☐ System distribution factors.

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/Truck.  
☒ ESAL/Vehicle class (no. of classes) 11  
☒ Other FACTORED FROM 1985.

7. ESAL ESTIMATES

(A) Source of Data

- ☐ Weight data collected at GPS site this year.  
☒ Weight data collected at GPS site in 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 FACTORED FROM 1985.

(B) Weight Scale Type

- ☐ WIM scale.  
☐ Static scale used for enforcement.  
☐ Static scale not used for enforcement  
☐ Other

NAME OF PREPARER PALMER E. WERT, JR.

PHONE # (717)787-4574

DATE PREPARED 10/19/90

SHEET 3  
LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [\_\_\_\_\_]

\*STATE CODE [42]

\*SHRP SECTION ID [1690]

1. YEAR APPLICABLE 1985

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 years 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.  
☐ Other \_\_\_\_\_

4. METHOD FOR ESTIMATING AADT BY GPS LANE

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

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES.

- ☒ ~~Based on actual lane count data.~~  
☐ System distribution factors.  
☒ Other ASSUMED .5 AND .8 DIRECTIONAL AND 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 in 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 PALMER E. WERT, JR.

PHONE # (717)787-4574

DATE PREPARED 10/19/90

**SHEET 3**  
**LTPP TRAFFIC DATA**  
**PROCEDURES FOR ESTIMATING**  
**ANNUAL AVERAGE VOLUMES AND**  
**TOTAL ANNUAL ESALS**

\*STATE ASSIGNED ID [-----]

\*STATE CODE [42]

\*SHRP SECTION ID [1690]

1. YEAR APPLICABLE 1986 - 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 years estimate.  
☐ Estimated based on volume counts at nearby locations.  
☐ Used flow maps.  
☐ Used computerized network analyses.  
☒ Other FACTORED FROM 1986.

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.  
☒ Other FACTORED FROM 1986.

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane data.  
☐ System distribution factors.  
☒ Other FACTORED FROM 1986. ASSUMED .5 AND .8 DIRECTIONAL AND LANE FACTORS

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES.

- ☐ Based on actual lane count data.  
☐ System distribution factors. ASSUMED .5 AND .8  
☒ Other FACTORED FROM 1986. DIRECTIONAL AND LANE FACTORS.
6. METHOD FOR ESTIMATING ESAL/VEHICLE
- ☐ ESAL/Truck.  
☒ ESAL/Vehicle class (no. of classes) 11  
☒ Other FACTORED FROM 1986.

7. ESAL ESTIMATES

(A) Source of Data

- ☐ Weight data collected at GPS site this year.  
☐ Weight data collected at GPS site in 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 PALMER E. WERT, JR.

PHONE # (717)787-4574

DATE PREPARED 10/19/90



SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	•STATE ASSIGNED ID [-----] •STATE CODE [42] •SHRP SECTION ID [1690]
---	---

HIGHWAY ROUTE NO. (THIS COUNT) 180  
 MILEPOST# OR LOCATION (THIS COUNT) 485  
 BEGINNING DATE 6/27/85 ENDING DATE 6/27/85  
 BEGINNING TIME 01 ENDING TIME 2400  
 COUNT DURATION 24 (X) HOURS ( ) DAYS ( ) MONTHS  
 TYPE OF COUNTER STREETER NAME/MODEL# 241  
 TYPE OF COUNT: TWO-WAY    ONEWAY    GPS TEST LANE ONLY X

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES(RAW COUNT)	5375	
2. ADJUSTMENT FACTORS(AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	N/A	
B. AXLE CORRECTION FACTOR	N/A	
C. DAY OF THE WEEK	N/A	
D. MONTH FACTOR	N/A	
E. OTHER FACTOR( <u>24 HRS TO ADT</u> )	.893	
3. ANNUAL AVERAGE DAILY TRAFFIC(AADT) (TWO-WAY)	4800	
4. DIRECTIONAL DISTRIBUTION FACTOR	.50	
5. GPS LANE DISTRIBUTION FACTOR	.80	
6. AADT GPS LANE	1920	

NAME OF PREPARER <u>PALMER E. WERT, JR</u>	PHONE # <u>(717) 787-4574</u>
DATE PREPARED <u>10/19/90</u>	

**SHEET 14  
LTPP TRAFFIC DATA**

**EQUIPMENT INSTALLATION LOG**

STATE ASSIGNED ID [0120]

STATE CODE [42]

SHRP SECTION ID [1690]

LOCATION 5 miles S. of SR54 Bridge Lycoming Co DATE OF INSTALLATION \_\_\_\_\_

	TYPE		BRAND NAME		SERIAL NUMBER	
Control Unit(s) and peripheral equipment						
Control Unit	Phoenix	Pietesch DAW100	Diamond	PAT	896EE35484	E93-00387
Interface						
Modem						
Loop Amplifiers						
Other _____	①	②	①	②	①	②
Sensor(s) / Platform(s)						
GPS Lane Sensor						
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	Trafmen V.4.37	Reporter V6.73				
Axle Spacing Algorithm Only	F	F				
Other _____	①	②				
Loops						
Upstream - Lane 1						
Downstream - Lane 1						
Upstream - Other Lanes						
Downstream - Other Lanes						

PAT Equipment - Portable, once per Quarter (wim)

Diamond - All year Around (CAVE)

① All Diamond information

② All DAT information