

SHEET 1  LTPP TRAFFIC DATA  SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [_____]
	*STATE CODE [42]
	*SHRP SECTION ID [1606]

STATE OR PROVINCE PENNSYLVANIA COUNTY BEDFORD  
 HIGHWAY ROUTE NO. SR 220 MILEPOST# SEG 710  
 NEAREST CITY/TOWN .3 MI. S KING  
 NEAREST INTERSECTION 1.8 MI. S SR 3013  
 FUNCTIONAL CLASS 2 NO. LANES EACH DIRECTION 2 TOTAL NO. LANE 4  
 DIRECTION OF TRAVEL GPS LANE N DATE OPENED TO TRAF. - -77  
 FIPS COUNTY CODE 009 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
 HPMS SAMPLE NO. 010610019626 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>9/21/90</u>	

ENTERED SEP 13 2000

<p align="center"><b>SHEET 1</b></p> <p align="center"><b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>SUMMARY TRANSMITTAL FORM</b></p>	*STATE ASSIGNED ID [ ]
	*STATE CODE [42]
	*SHRP SECTION ID [C400]

1606

STATE OR PROVINCE Pennsylvania COUNTY Bedford

HIGHWAY ROUTE NO. SR 220 MILEPOST# Seg. 710

NEAREST CITY/TOWN Altoona NEAREST INTERSECTION SR 4034

\*FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4

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

\*DATE OPENED TO TRAFFIC 11-01-1979

FIPS COUNTY CODE 009 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_

HPMS SAMPLE NO. 010610019626 HPMS SUBDIVISION 0

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

CONTROL OF ACCESS: YES X NO \_\_\_\_\_ MEDIAN: YES \_\_\_\_\_ NO X

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 <u>Ed Fillion</u>	PHONE # <u>716-632-0804</u>
DATE PREPARED <u>Sept. 13/00</u>	rev. February 28, 2000

<p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	<p>*STATE ASSIGNED ID [-----]</p> <p>*STATE CODE [42]</p> <p>*SHRP SECTION ID [1606]</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 TRUCK AADT GPS LANE	5 ESTIMATED ESAL'S/YR GPS LANE (1000's)
1989	5019	841	2008	336	78
1988	4787	862	1914	344	80
1987	4648	779	1860	312	72
1986	4124	858	1650	343	79
1985	4662	839	1864	336	78
1984	4398	910	1760	364	84
1983	4312	776	1724	310	72
1982	3087	633	1235	253	59
1981	4189	754	1676	302	70
1980	4229	761	1692	304	70
1979	4270	769	1708	308	71
1978	4354	784	1742	314	73
1977	4312	776	1724	310	72
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>9/21/90</u>	

ENTERED AUG 28 2000

**SHEET 2  
LTPP TRAFFIC DATA**

**TRAFFIC VOLUMES  
AND LOAD ESTIMATES**

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

\*STATE CODE [ 42 ]

\*SHRP SECTION ID [ C 4 0 0 ]

*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	5019.	841	2008	336	78
1988 x	4787	862	1914	344	80
1987 x	4648	779	1860	312	72
1986 x	4124	858	1650	343	79
1985 x	4662	839	1864	336	78
1984 x	4398	910	1760	364	84
1983 x	4312	776	1724	310	72
1982 x	3087	633	1235	253	59
1981 x	4189	754	1676	302	70
1980 x	4229	761	1692	304	70
1979 x	4270	769	1708	308	71
1978 x	4354	784	1742	314	73
1977 x	4312	776	1724	310	72
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

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

Rev. November 8, 1999

## SHEET 3

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

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

\*STATE CODE [ 42 ]

\*SHRP SECTION ID [ 1606 ]

1. Year Applicable 1977-88 & 1983

## 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: FACTORED FROM 1984 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.  
☐ Used computerized network analyses.  
☒ Other: FACTORED FROM 1984

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: FACTORED FROM 1984 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.  
☒ Other: FACTORED FROM 1984 ASSUMED .5 AND .8 DIRECTIONAL AND LANE FACTORS

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.  
☒ ESAL/Vehicle class. (no. of classes) 11  
☒ Other: FACTORED FROM 1984

## 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: FACTORED FROM 1984 SYSTEM AVERAGES FROM 1984

## (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 9/18/90

## SHEET 3

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

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

\*STATE CODE [ 42 ]

\*SHRP SECTION ID [ 1606 ]

1. Year Applicable 1982

## 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 .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.
- ☒ 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 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: \_\_\_\_\_

NOTE: SHEETS 4 and 5 NOT  
 PREPARED in that RAW DATA  
 was over written by later  
 count and is no longer available.

NAME OF PREPARER PALMER E. WERT JRPHONE (717) 787-4574DATE PREPARED 9/18/90

## SHEET 3

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

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

\*STATE CODE [ 42 ]

\*SHRP SECTION ID [ 2606 ]

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 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 .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.
- ☒ 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 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: \_\_\_\_\_

NOTE: SHEET 4 & 5 NOT PROVIDED.  
 RAW DATA NOT AVAILABLE ANY LONGER.

NAME OF PREPARER PALMER E. WERT, JR PHONE (717) 787-4574

DATE PREPARED 9/18/90

## SHEET 3

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

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

\*STATE CODE 42

\*SHRP SECTION ID 1606

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 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 .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.  
☒ Other: ASSUMED .5 AND .8 DIRECTIONAL AND LANE FACTORS

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.  
☒ ESAL/Vehicle class. (no. of classes) 16  
☐ 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 PALMER E. WERT, JR. PHONE (717) 787-4524  
 DATE PREPARED 9/18/90



## SHEET 3

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

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

\*STATE CODE (42)\*SHRP SECTION ID (L606)1. Year Applicable 1986

## 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 .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.
- ☒ 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 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: \_\_\_\_\_

NOTE: SHEET 4 & 5 NOT PREPARED  
RAW DATA NO LONGER AVAILABLE.

NAME OF PREPARER PALMER E. WERT, JR PHONE (717) 787-4574  
DATE PREPARED 9/18/90

## SHEET 3

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

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

\*STATE CODE [42]

\*SHRP SECTION ID [1606]

1. Year Applicable 1987

## 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 .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.
- ☒ 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 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 9/18/90

## SHEET 3

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

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

\*STATE CODE [ 42 ]

\*SHRP SECTION ID [ 1606 ]

1. Year Applicable 1988-89

## 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: FACTORED FROM 1987 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.  
☐ Used computerized network analyses.  
☒ Other: FACTORED FROM 1987

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: FACTORED FROM 1987  
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.  
☒ Other: FACTORED

ASSUMED .5 AND .8  
DIRECTIONAL AND  
LANE FACTORS.

## 6. METHOD

- ☐ ESAL/VEH. CLASS.  
11 classes.

## 7. ESAL ESTIMATE

## (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: \_\_\_\_\_



SALES  
 1-800-872-7446  
 Post Office Box 2188  
 Elmira, NY 14903-0188

FAX  
 (607) 734-8783

PLANT  
 (607) 734-2295  
 1430 Sullivan Street  
 Elmira, NY 14901-1698

NAME OF PREPARER PALMER E. WERT, JR PHONE # (717) 787-4574  
 DATE PREPARED 9/12/90

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [-----] *STATE CODE [42] *SHRP SECTION ID [1606]
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HIGHWAY ROUTE NO. (THIS COUNT) 220

MILEPOST# OR LOCATION (THIS COUNT) SEG. 710

BEGINNING DATE 7/6/87 ENDING DATE 7/6/87

BEGINNING TIME 01 ENDING TIME 2400

COUNT DURATION 24 (X) HOURS ( ) DAYS ( ) MONTHS

TYPE OF COUNTER STREETER NAME/MODEL# 141

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

	<u>ACTUAL COUNTS</u>	
<u>ITEM</u>		<u>UNITS</u>
1. TOTAL NO. OF VEHICLES(RAW COUNT)	4882	
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</u> HRS TO ADT )	.952	
3. ANNUAL AVERAGE DAILY TRAFFIC(AADT) (TWO-WAY)	4648	
4. DIRECTIONAL DISTRIBUTION FACTOR	.50	
5. GPS LANE DISTRIBUTION FACTOR	.80	
6. AADT GPS LANE	1860	

NAME OF PREPARER <u>PALMER E. WERT, JR</u>	PHONE # <u>(717) 787-4574</u>
DATE PREPARED <u>9/21/90</u>	

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION  
CONVERSION CHART

STATE ASSIGNED ID [ 317 ]

STATE CODE [ 42 ]

SHRP SECTION ID [ 1606 ]

FOR 4-BIN, 6-BIN, OR OTHER NON FHWA CLASSIFICATION SYSTEMS

USE THIS SHEET TO DESCRIBE HOW THE AGENCY'S CLASSIFICATION SYSTEM CAN BE CONVERTED TO THE FHWA 13-CLASSES. ENTER PERCENTAGE OF TOTAL SHA CLASS DISTRIBUTED TO EACH FHWA CLASS.

NAME OF SHA CLASSIFICATION SCHEME \_\_\_\_\_

SHA CLASS	FHWA CLASSES													TOTAL
	1-3	4	5	6	7	8	9	10	11	12	13	14	15	
A	100													100
B	100													100
C	100													100
D		100												100
E			100											100
F				100										100
G					100									100
H						100								100
I							100							100
J								100						100
K									100					100
L										100				100
M											100			100
N												100		100
O													100	100
P														
Q														
R														
S														
T														

NAME OF PREPARER V.J. BarnhartPHONE # 717-772-2739DATE PREPARED 6/10/93

**SHEET 14**  
**LTPP TRAFFIC DATA**

**EQUIPMENT INSTALLATION LOG**

STATE ASSIGNED ID [0312]

STATE CODE [42]

SHRP SECTION ID [1606]

LOCATION Blair Co. .75 miles. of SR 4034 Bridge DATE OF INSTALLATION \_\_\_\_\_

	TYPE		BRAND NAME		SERIAL NUMBER	
Control Unit(s) and peripheral equipment						
Control Unit	Phoenix	Pietzsch DAW100	Diamond	PAT	896EE35478	E92-00385
Interface						
Modem						
Loop Amplifiers						
Other _____	①	②	①	②	①	②
Sensor(s) / Platform(s)						
GPS Lane Sensor			ECM			
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	Trafman V4.37	Reporter V6-B				
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 PAT Information