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| SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM | •STATE ASSIGNED ID [_____] |
| | •STATE CODE [42] |
| | •SHRP SECTION ID [9027] |

STATE OR PROVINCE PENNSYLVANIA COUNTY BERKS
 HIGHWAY ROUTE NO. SR 78 MILEPOST# SEG 334
 NEAREST CITY/TOWN 2 MI. S. LENHARTSVILLE
 NEAREST INTERSECTION 1.5 MI S. PA 143
 FUNCTIONAL CLASS 1 NO.LANES EACH DIRECTION 2 TOTAL NO.LANE 4
 DIRECTION OF TRAVEL GPS LANE E DATE OPENED TO TRAF. - -85
 FIPS COUNTY CODE 011 FHWA STATION IDENTIFICATION NO. _____
 HPMS SAMPLE NO. 060078025151 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 _____

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| NAME OF PREPARER <u>EDWIN R. MARSHALL, JR.</u> | PHONE # <u>(717) 787-3082</u> |
| DATE PREPARED <u>9/24/90</u> | |

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| SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES | *STATE ASSIGNED ID [_____] |
| | *STATE CODE [42] |
| | *SHRP SECTION ID [9027] |

| 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 | 15913 | 5070 | 6365 | 2028 | 1012 |
| 1988 | 15155 | 4850 | 6062 | 1940 | 964 |
| 1987 | 14714 | 4708 | 5886 | 1883 | 936 |
| 1986 | 14285 | 4571 | 5714 | 1828 | 908 |
| 1985 | 15000 | 6320 | 6000 | 2400 | 954 |
| 1984 | | | | | |
| 1983 | | | | | |
| 1982 | | | | | |
| 1981 | | | | | |
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| 1966 | | | | | |
| 1965 | | | | | |

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| NAME OF PREPARER <u>PALMER E. WERT, JR</u> | PHONE # <u>(717) 787-4574</u> |
| DATE PREPARED <u>9/19/90</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 [9027]

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 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 DISTRIBUTION 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 & 5 NOT PROVIDED.
 RAW DATA NO LONGER AVAILABLE.

NAME OF PREPARER PALMER E. WERT, JRPHONE # (717) 787-4574DATE PREPARED 9/19/90

SHEET 3

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

*STATE ASSIGNED ID [_ _ _ _]

*STATE CODE [42]

*SHRP SECTION ID [9_017]

1. Year Applicable 1986-88

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 1989
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 1989
COUNT

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: FACTORED FROM 1989 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: FACTORED FROM 1989 ASSUMED
.5 AND .8 DIRECTIONAL AND LANE
DISTRIBUTION FACTORS

6. METHOD FOR ESTIMATING ESAL/VEHICLE

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

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(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 9/19/90

SHEET 3

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

*STATE ASSIGNED ID [_ _ _ _]

*STATE CODE [42]

*SHRP SECTION ID [9027]

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

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- ☐ 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 DISTRIBUTION FACTORS

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☒ Based on actual lane count data.
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- ☐ ESAL/Truck.
- ☒ ESAL/Vehicle class. (no. of classes) 11
- ☐ Other: _____

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(A) Source of Data

- ☐ Weight data collected at GPS site this year.
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- ☐ 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 9/19/90

| | |
|---|----------------------------|
| SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS | *STATE ASSIGNED ID [_____] |
| | *STATE CODE [42] |
| | *SHRP SECTION ID [9027] |

HIGHWAY ROUTE NO. (THIS COUNT) 78
 MILEPOST# OR LOCATION (THIS COUNT) SEG. 334
 BEGINNING DATE 9/26/89 ENDING DATE 9/26/89
 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) | 17391 |
| 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>) | .915 |
| 3. ANNUAL AVERAGE DAILY TRAFFIC(AADT) (TWO-WAY) | 15913 |
| 4. DIRECTIONAL DISTRIBUTION FACTOR | .50 |
| 5. GPS LANE DISTRIBUTION FACTOR | .80 |
| 6. AADT GPS LANE | 6365 |

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| DATE PREPARED <u>9/19/90</u> | |