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| <p align="center"><b>SHEET 10</b></p> <p align="center"><b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>TRAFFIC VOLUME AND LOAD</b></p> <p align="center"><b>ESTIMATE UPDATE – NO SITE COUNT</b></p> | STATE ASSIGNED ID [ _____ ]     |
|  | STATE CODE [ <u>46</u> ]        |
|  | SHRP SECTION ID [ <u>9106</u> ] |

**1. ANNUAL TRAFFIC ESTIMATES**

| YEAR        | ESTIMATED<br>TOTAL VEHICLES<br>AADT<br>(TWO-WAY) | ESTIMATED<br>TOTAL TRUCK<br>AADT<br>(TWO-WAY) | ESTIMATED<br>TOTAL VEHICLES<br>AADT<br>GPS LANE | ESTIMATED<br>TOTAL TRUCKS<br>AADT<br>GPS LANE | ESTIMATED<br>ESAL'S / YR<br>GPS LANE<br>(1000's) |
|-------------|--|---|---|---|--|
| <u>2000</u> | <u>620</u>                                       | <u>85</u>                                     | <u>360</u>                                      | <u>50</u>                                     | <u>3.7</u>                                       |

**2. METHOD FOR ESTIMATING TOTAL VEHICLE AADT (TWO-WAY)**

- ☐ Growth factored last year's estimate.  
☒ Estimate based on volume counts at nearby locations.  
☐ Used computerized network analysis.  
☐ Other \_\_\_\_\_

**3. METHOD FOR ESTIMATING TOTAL TRUCK AADT (TWO-WAY)**

- ☐ Used system average from counts taken this year.  
☒ Used count data from nearby sites.  
☐ Used count data from previous years at GPS site.  
☐ Used system averages from previous year counts.  
☐ Used computerized network analysis.  
☐ Other \_\_\_\_\_

**4. METHOD FOR ESTIMATING TOTAL VEHICLES GPS LANE AADT**

- ☐ System distribution factors.  
☒ Other Estimation 50/50

**5. METHOD FOR ESTIMATING TOTAL TRUCKS, GPS LANE, AADT**

- ☐ System distribution factors.  
☒ Other Estimation 50/50

**6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE**

- ☒ ESAL/Truck factor.  
☐ ESAL/vehicle class factors – Number of classes  
☐ Other \_\_\_\_\_

**7. ESAL ESTIMATES – SOURCE OF DATA**

- ☐ Prior years data collected at GPS site.  
☐ Current year system average.  
☒ Prior year system average.  
☐ Historical W-4 tables.  
☐ Other \_\_\_\_\_

**8. WEIGHT SCALE TYPE**

- ☐ WIM Scale.  
☐ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☒ Other N/A

NAME OF PREPARER  
DATE PREPARED

Kenneth E. Marks PHONE # (605) 773-3336  
12/27/2001

SHEET 10  
LTPP TRAFFIC DATA

TRAFFIC VOLUME AND LOAD  
ESTIMATE UPDATE-NO SITE COUNT

STATE ASSIGNED ID [ 0905 ]  
STATE CODE [ 46 ]  
SHRP SECTION ID [ 9106 ]

1. ANNUAL TRAFFIC ESTIMATES

| YEAR | ESTIMATED<br>TOTAL VEHICLES<br>AADT<br>(TWO-WAY) | ESTIMATED<br>TOTAL TRUCKS<br>AADT<br>(TWO-WAY) | ESTIMATED<br>TOTAL VEHICLES<br>AADT<br>GPS LANE | ESTIMATED<br>TOTAL TRUCKS<br>AADT<br>GPS LANE | ESTIMATED<br>ESAL'S/YR<br>GPS LANE<br>(1000's) |
|------|--|--|---|---|--|
| 1995 | 850  | 150  | 425   | 75  | 4.7  |
| 1996 | 824  | 145  | 412   | 73  | 4.5  |
| 1997 | 755  | 102  | 378   | 51  | 4.1  |
| 1998 | 680  | 110  | 340   | 55  | 4.2  |
| 1999 | 681  | 110  | 341   | 55  | 4.0  |
| 2000 | 620  | 85   | 360   | 50  | 3.7  |

2. METHODS FOR ESTIMATING TOTAL VEHICLE AADT (TWO-WAY).

- 3 [ ] Growth factored last year's estimate.  
[ X ] Estimated based on volume counts at nearby locations.  
[ ] Used computerized network analysis.  
[ ] Other \_\_\_\_\_

3. METHOD FOR ESTIMATING TOTAL TRUCK AADT (TWO-WAY).

- 3 [ ] Used system average from counts taken this year.  
[ X ] Used count data from nearby sites.  
[ ] Used count data from previous years at GPS site.  
[ ] Used system average from previous years count.  
[ ] Used computerized network analysis.  
[ ] Other \_\_\_\_\_

4. METHOD FOR ESTIMATING TOTAL VEHICLES GPS LANE AADT.

- 3 [ ] System distribution factors.  
[ X ] Other Estimation 50/50

5. METHOD FOR ESTIMATING TOTAL TRUCKS, GPS LANE, AADT.

- 3 [ ] System distribution factors.  
[ X ] Other Estimation 50/50

6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE.

- 1 [ X ] ESAL/Truck factor.  
[ ] ESAL/vehicle class  
[ ] System distribution factors - \_\_\_\_ # of classes.  
[ ] Other \_\_\_\_\_

7. ESAL ESTIMATES - SOURCE OF DATA.

- 4 [ ] Prior years data collected at GPS site.  
[ ] Current year system average.  
[ X ] Prior year system average.  
[ ] Historical W-4 tables.  
[ ] Other \_\_\_\_\_

8. WEIGHT SCALE TYPE.

- 4 [ ] WIM scale.  
[ ] Static scale used for enforcement.  
[ ] Static scale not used for enforcement.  
[ X ] Other SD Bridge Weigh System

NAME OF PREPARER Kenneth E. Marks  
DATE PREPARED 02/02/2001

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|   |   |
|---|---|
| SHEET 10<br>LTPP TRAFFIC DATA<br><br>TRAFFIC VOLUME AND LOAD<br>ESTIMATE UPDATE-NO SITE COUNT | STATE ASSIGNED ID [ 0905 ]<br>STATE CODE [ 46 ]<br>SHRP SECTION ID [ 9106 ] |
|---|---|

1. ANNUAL TRAFFIC ESTIMATES

| YEAR | ESTIMATED<br>TOTAL VEHICLES<br>AADT<br>(TWO-WAY) | ESTIMATED<br>TOTAL TRUCKS<br>AADT<br>(TWO-WAY) | ESTIMATED<br>TOTAL VEHICLES<br>AADT<br>GPS LANE | ESTIMATED<br>TOTAL TRUCKS<br>AADT<br>GPS LANE | ESTIMATED<br>ESAL'S/YR<br>GPS LANE<br>(1000's) |
|------|--|--|---|---|--|
| 1995 | 850  | 150  | 425   | 75  | 4.7  |
| 1996 | 824  | 145  | 412   | 73  | 4.5  |
| 1997 | 755  | 102  | 378   | 51  | 4.1  |
| 1998 | 680  | 110  | 340   | 55  | 4.2  |
| 1999 | 681  | 110  | 341   | 55  | 4.0  |
| 2000 | 620  | 85   | 310   | 42  | 3.7  |
| 2001 | 621  | 95   | 311   | 48  | 3.6  |
| 2002 | 680  | 114  | 340   | 57  | 3.9  |
| 2003 | 665  | 134  | 333   | 67  | 4.7  |
| 2004 | 612  | <del>459</del> 122                             | 306   | <del>70</del> 61                              | 4.4  |

2. METHODS FOR ESTIMATING TOTAL VEHICLE AADT (TWO-WAY).

☐ Growth factored last year's estimate.

☒ Estimated based on volume counts at nearby locations.

☐ Used computerized network analysis.

☐ Other \_\_\_\_\_

5. METHOD FOR ESTIMATING TOTAL TRUCKS, GPS LANE, AADT.

☐ Sytem distribution factors.

☒ Other Estimation 50/50
3. METHOD FOR ESTIMATING TOTAL TRUCK AADT (TWO-WAY).

☐ Used system average from counts taken this year.

☒ Used count data from nearby sites.

☐ Used count data from previous years at GPS site.

☐ Used system average from previous years count.

☐ Used computerized network analysis.

☐ Other \_\_\_\_\_

6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE.

☒ ESAL/Truck factor.

☐ ESAL/vehicle class

☐ Sytem distribution factors - \_\_\_\_ # of classes.

☐ Other \_\_\_\_\_
4. METHOD FOR ESTIMATING TOTAL VEHICLES GPS LANE AADT.

☐ System distribution factors.

☒ Other Estimation 50/50

7. ESAL ESTIMATES - SOURCE OF DATA.

☐ Prior years data collected at GPS site.

☐ Current year system average.

☒ Prior year system average.

☐ Historical W-4 tables.

☐ Other \_\_\_\_\_
8. WEIGHT SCALE TYPE.

☐ WIM scale.

☐ Static scale used for enforcement.

☐ Static scale not used for enforcement.

☒ Other NA - Classification site

|  |                               |
|--|-------------------------------|
| NAME OF PREPARER <u>Kenneth E. Marks</u><br>DATE PREPARED <u>3/31/2005</u> | PHONE # <u>(605) 773-3336</u> |
|--|-------------------------------|

ENTERED APR 22 2005  
 D. Marshall  
 ENTERED APR 08 2005