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| <b>SHEET 10</b><br><b>LTPP TRAFFIC DATA</b><br><b>TRAFFIC VOLUME AND LOAD</b><br><b>ESTIMATE UPDATE – NO SITE COUNT</b> | STATE ASSIGNED ID | [ 5901 ] |
|   | STATE CODE        | [ 46 ]   |
|   | SHRP SECTION ID   | [ 5040 ] |

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) |
|------|--|---|---|---|--|
| 1999 | 11960  | 1997  | 5382  | 900   | 106.8  |

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 90/10

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

- ☐ System distribution factors.  
☒ Other Estimation 90/10

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<br>LTPP TRAFFIC DATA<br><br>TRAFFIC VOLUME AND LOAD<br>ESTIMATE UPDATE-NO SITE COUNT | STATE ASSIGNED ID      [ 0912 ]<br>STATE CODE                [ 46 ]<br>SHRP SECTION ID        [ 5040 ] |
|---|--|

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 | 10930  | 1967   | 4920  | 881   | 100.4  |
| 1996 | 11380  | 2048   | 5121  | 917   | 104.5  |
| 1997 | 11020  | 1862   | 4959  | 838   | 101.2  |
| 1998 | 11810  | 2020   | 5315  | 909   | 108.5  |
| 1999 | 11960  | 1997   | 5382  | 900   | 106.8  |

2. METHODS FOR ESTIMATING TOTAL VEHICLE AADT (TWO-WAY).
- [ ] 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).
- [ ] 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.
- [ ] System distribution factors.
- [ X ] Other Estimation 90/10

5. METHOD FOR ESTIMATING TOTAL TRUCKS, GPS LANE, AADT.
- [ ] System distribution factors.
- [ X ] Other Estimation 90/10

6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE.
- [ X ] ESAL/Truck factor.
- [ ] ESAL/vehicle class
- [ ] System distribution factors - \_\_\_\_\_ # of classes.
- [ ] Other \_\_\_\_\_

7. ESAL ESTIMATES - SOURCE OF DATA.
- [ ] 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.
- [ ] WIM scale.
- [ ] Static scale used for enforcement.
- [ ] Static scale not used for enforcement.
- [ X ] Other SD Bridge Weigh System

|  |                               |
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| NAME OF PREPARER <u>Rocky W. Hook</u><br>DATE PREPARED <u>04/12/1999</u> | PHONE # <u>(605) 773-3336</u> |
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