

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE – NO SITE COUNT	STATE ASSIGNED ID [_____]
	STATE CODE [<u>46</u>]
	SHRP SECTION ID [<u>6600</u>]

1. ANNUAL TRAFFIC ESTIMATES

YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT GPS LANE	ESTIMATED TOTAL TRUCKS AADT GPS LANE	ESTIMATED ESAL'S / YR GPS LANE (1000's)
<u>2000</u>	<u>5000</u>	<u>855</u>	<u>2250</u>	<u>385</u>	<u>36.1</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 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 KLC

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

SCANNED

FEB 14 2008

BY

SHEET 10
LTPP TRAFFIC DATA

TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT

STATE ASSIGNED ID [0914]
STATE CODE [46]
SHRP SECTION ID [6600]

1. ANNUAL TRAFFIC ESTIMATES

YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCKS AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT GPS LANE	ESTIMATED TOTAL TRUCKS AADT GPS LANE	ESTIMATED ESAL'S/YR GPS LANE (1000's)
1995	3640	681	1820	340	19.9
1996	3760	703	1880	352	20.6
1997	3988	582	1795	262	25.6
1998	4250	710	1913	320	31.8
1999	4890	806	2200	363	35.3
2000	5000	855	2250	385	36.1

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

- [] Growth factored last year's estimate.
3 [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.
3 [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 90/10

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

- 3 [] Sytem distribution factors.
[X] Other Estin

6. METHOD FOR ESTIMA
GPS LANE.

- [X] ESAL/Truck f.
[] ESAL/vehicle
[] Sytem distribu
[] Other _____

7. ESAL ESTIMATES - SOL

- 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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ENTERED MAR 18 2009

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE-NO SITE COUNT	STATE ASSIGNED ID	[0914]
	STATE CODE	[46]
	SHRP SECTION ID	[6600]

1. ANNUAL TRAFFIC ESTIMATES

YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCKS AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT GPS LANE	ESTIMATED TOTAL TRUCKS AADT GPS LANE	ESTIMATED ESAL'S/YR GPS LANE (1000's)
1995	3640	221 546	1020 1638	340 246	40.3 27
1996	3760	706 564	1000 1692	352 254	20.6 28
1997	3988	582	1795	262	25.6
1998	4250	710	1913	320	31.8
1999	4890	806	2200	363	35.3
2000	5000	855	2250	385	36.1
2001	5300	875	2385	394	38.5
2002	4955	842	2230	379	25.0 42
2003	5220	793	2350	357	26.2 39
2004	4910	746	2210	336	24.5 37
2005	4920	787	2215	354	24.6 39
2006	4800	888	2160	400	24 44
2007	4600	994	2070	448	30.0 49
2008	4680	600	2106	270	28.1

2. METHODS FOR ESTIMATING TOTAL VEHICLE AADT (TWO-WAY).
- [] Growth factored last year's estimate.
- 3 [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.
- 3 [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.
- 3 [X] Other Estimation 90/10

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

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

7. ESAL ESTIMATES - SOURCE OF DATA.
- [] Prior years data collected at GPS site.
- [] Current year system average.
- 4 [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.
- 4 [X] Other NA - Classification site

ENTERED APR 08 2009

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DATE PREPARED	<u>02/25/2009</u>		