

SHEET 10
LTPP TRAFFIC DATA

TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT

*STATE ASSIGNED ID []
*STATE CODE [0 4]
*SHRP SECTION ID [6 0 5 5]

1. ANNUAL TRAFFIC ESTIMATES

| *YEAR | ESTIMATED TOTAL VEHICLES AADT (TWO-WAY) | ESTIMATED TOTAL TRUCK AADT (TWO-WAY) | ESTIMATED TOTAL VEHICLES AADT LTPP LANE | *ESTIMATED TOTAL TRUCKS AADT LTPP LANE | *ESTIMATED ESAL'S/YR LTPP LANE (1000'S) |
|-------------|--|---|--|---|---|
| <u>2005</u> | <u>17568</u> | <u>4555</u> | <u>7906</u> | <u>2050</u> | <u>3 3 4 0</u> |

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

- XX Growth factored last year's estimate. (6)
XX Estimated based on volume counts at nearby locations. (3)
____ Used computerized network analyses. (4)
____ Factored a single count taken this year at the LTPP site. (1)
____ Averaged multiple counts taken this year at the LTPP site. (2)
____ Averaged and factored multiple count taken this year at the LTPP site. (5)
____ Used flow maps. (7)
____ Other: (8) _____

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

- ____ Used system averages from counts taken this year. (6)
____ Used count data from nearby sites. (3)
XX Used count data from previous years at the LTPP site. (7)
____ Used system averages from previous years. (8)
____ Used computerized network analyses. (4)
____ Used a single count taken this year at the LTPP site. (5)
____ Factored a single count taken this year at the LTPP site. (1)
____ Averaged multiple counts taken this year at the LTPP site. (2)
____ Other: (9) _____

4. METHOD FOR ESTIMATING TOTAL VEHICLES LTPP LANE AADT

- ____ System distribution factors. (2)
XX Based on actual lane count data. (1)
____ Other: (3) _____

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

- ____ System distribution factors. (2)
XX Based on actual lane data count. (1)
____ Other: (3) _____

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

- XX ESAL/Truck factor (1)
____ ESAL/Vehicle class. (2) (No. of classes) _____
____ ESAL/Axle(3) Sing. ____ Tand. ____ Tri. ____
____ Other: (4) _____

7. ESAL ESTIMATES - SOURCE OF DATA

- XX Weight data collected at LTPP site prior years. (2)
____ Weight data from system averages this year. (3)
____ Weight data from system averages prior years. (4)
____ Weight data from historic W-4 Tables used. (5)
____ Other: (6) _____

8. WEIGHT SCALE TYPE

- XX WIM scale. (1)
____ Static scale used for enforcement. (2)
____ Static scale not used for enforcement. (3)
____ Other: (4) _____

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DATE PREPARED July 27, 2007

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rev. March 12, 2001

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| | | |
|---|--------------------|----------|
| SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY | *STATE ASSIGNED TO | [510] |
| | *STATE CODE | [04] |
| | *SHRP SECTION ID | [6055] |

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) **06/28/2005**
2. * TYPE OF EQUIPMENT CALIBRATED X WIM CLASSIFIER BOTH
3. * REASON FOR CALIBRATION
 X REGULARLY SCHEDULED SITE VISIT RESEARCH
 EQUIPMENT REPLACEMENT TRAINING
 DATA TRIGGERED SYSTEM REVISION NEW EQUIPMENT INSTALLATION
 OTHER (SPECIFY)
4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):
 BARE ROUND PIEZO CERAMIC X BARE FLAT PIEZO BENDING PLATES
 CHANNELIZED ROUND PIEZO LOAD CELLS QUARTZ PIEZO
 CHANNELIZED FLAT PIEZO INDUCTANCE LOOPS CAPACITANCE PADS
 OTHER (SPECIFY)
5. EQUIPMENT MANUFACTURER PAT

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
 TRAFFIC STREAM -- STATIC SCALE (Y/N) X TEST TRUCKS
 NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED
- | | |
|--------------------------------------|---|
| | <u> 2 </u> <u> 5 </u> <u> </u> PASSES PER TRUCK |
| | TRUCK TYPE SUSPENSION |
| TYPE PER FHWA 13 BIN SYSTEM | 1 <u> 9 </u> <u> 1 </u> |
| SUSPENSION: 1 - AIR; 2 - LEAF SPRING | 2 <u> </u> <u> </u> |
| 3 - OTHER (DESCRIBE) | 3 <u> </u> <u> </u> |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN ---
DYNAMIC AND STATIC GVW **-2.4 1.0** STANDARD DEVIATION **2.96 3.82**
DYNAMIC AND STATIC SINGLE AXLES **2.5 11.7** STANDARD DEVIATION **3.52 5.04**
DYNAMIC AND STATIC DOUBLE AXLES **-3.7 -1.2** STANDARD DEVIATION **3.82 5.43**
8. **3** NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) **50,60,70**
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) **960, 985**
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) **N**
IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE:

CLASSIFIER TEST SPECIFICS***

- 12.*** METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:
 VIDEO MANUAL PARALLEL CLASSIFIERS
13. METHOD TO DETERMINE LENGTH OF COUNT TIME NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
*** FHWA CLASS 9 FHWA CLASS
*** FHWA CLASS 8 FHWA CLASS
FHWA CLASS
FHWA CLASS
FHWA CLASS
*** PERCENT "UNCLASSIFIED" VEHICLES:

PERSON LEADING CALIBRATION EFFORT: Greg Felsing IRD
CONTACT INFORMATION: 435-632-4142
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