

SHEET 10
LTPP TRAFFIC DATA
TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT

*STATE ASSIGNED ID []
*STATE CODE [48]
*SHRP SECTION ID [1130]

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 TRUCK AADT LTPP LANE	*ESTIMATED ESAL'S/YR LTPP LANE (1000'S)
1999	_____	_____	_____	<u>176</u>	<u>52</u>

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

- _____ Growth factored last year's estimate. (6)
_____ 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)
_____ Average multiple counts taken this year at the LTPP site.
(2)
_____ Average 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 average from counts taken this year. (6)
_____ Used count data from nearby sites. (3)
_____ Used count data from previous years at the LTPP site.
(7)
_____ Used system averages from previous years. (9)
_____ 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.
(4)
_____ Averaged multiple counts taken this year at the LTPP
site. (2)
_____ Other: (10) _____

**4. METHOD FOR ESTIMATEING TOTAL VEHICLES
LTPP LANE AADT**

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

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

- _____ System distribution factors. (2)
_____ Based on actual lane count data. (1)
x _____ Other: (3) Projected from available data

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

- _____ ESAL/Truck factor (1)
_____ ESAL/Vehicle class. (2) (No. of classes) _____
_____ ESAL/Axle(3) Sing. _____ Tand. _____ Tri. _____
x _____ Other: (4) Projected from available data

7. ESAL ESTIMATES - SOURCE OF DATA

- _____ 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

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

NAME OF PREPARER Joe Kim
DATE PREPARED 6/11/2009

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REV. February 21, 2000

ENTERED JUN 17 2009 K S

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[48]
	*STATE CODE	[11]
	*SHRP SECTION ID	[30]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [01/25/1999]
2. * TYPE OF EQUIPMENT CALIBRATED WIM CLASSIFIER ☒ BOTH
3. * REASON FOR CALIBRATION
☒ 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):
6/3/09 ☒ BARE ROUND PIEZO CERAMIC ☐ BARE FLAT PIEZO ☐ BENDING PLATES
☒ CHANNELIZED ROUND PIEZO ☐ LOAD CELLS ☐ QUARTZ PIEZO
☒ CHANNELIZED FLAT PIEZO ☒ INDUCTANCE LOOPS ☐ CAPACITANCE PADS
☒ OTHER (SPECIFY) Piez
5. EQUIPMENT MANUFACTURER UNKNOWN

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS
☐ NUMBER OF TRUCKS COMPARED 001 NUMBER OF TEST TRUCKS USED 001
- | | | | |
|--------------------------------------|------------------|-------|------------|
| | PASSES PER TRUCK | | |
| | TRUCK | TYPE | SUSPENSION |
| TYPE PER FHWA 13 BIN SYSTEM | 1 | _____ | _____ |
| SUSPENSION: 1 - AIR; 2 - LEAF SPRING | 2 | _____ | _____ |
| 3 - OTHER (DESCRIBE) | 3 | _____ | _____ |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN ---
DYNAMIC AND STATIC GVW 9.0 STANDARD DEVIATION 7.2
DYNAMIC AND STATIC SINGLE AXLES 13.7 STANDARD DEVIATION 9.4
DYNAMIC AND STATIC DOUBLE AXLES 14.7 STANDARD DEVIATION 10.1
8. 06 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 40 46
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) _____
- 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 _____
*** PERCENT "UNCLASSIFIED" VEHICLES: _____

PERSON LEADING CALIBRATION EFFORT:
CONTACT INFORMATION:

rev. November 9, 1999

KS
ENTERED JUN 03 2002

ENTERED JAN 09 2004 M