

ENTERED NOV 09 1999

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE - NO SITE COUNT	*STATE ASSIGNED ID [_ _ _ _]
	*STATE CODE <u>1421</u>
	*SHRP SECTION ID <u>12037</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>1998</u>	<u>23427</u>	<u>9283</u>	<u>8199</u>	<u>3249</u>	<u>1189</u>

2. METHOD 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 Actual Count at
LOCATION

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

- ☒ System distribution factors.
☐ 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 _____

6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE

- ☐ ESAL/Truck factor.
☒ ESAL/Vehicle class factors -
 Number of classes 8
☐ Other _____

4. METHOD FOR ESTIMATING TOTAL VEHICLES GPS LANE AADT

- ☒ System distribution factors.
☐ 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 _____

NAME OF PREPARER DENNIS E. STARRPHONE # 717-787-4574

STATE
STATE CODE

Pennsylvania
42

NAME OF PREPARER Sunil R. Patel PHONE NO. 712/772/2739
DATE PREPARED 7/23/98

Pennsylvania
42

NAME OF PREPARER Sunil Patel PHONE NO. (717) 772-2739
DATE PREPARED 1/4/99

<div>SHEET 16</div> <div>LTPP MONITORED TRAFFIC DATA</div> <div>SITE CALIBRATION SUMMARY</div>	<div>*STATE ASSIGNED ID<div>126</div></div> <div>*STATE CODE<div>42</div></div> <div>*SHRP SECTION ID<div>7037</div></div>
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR)

04/21/1998

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)

ENTERED SEP 03 2003

4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):

☐ 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)

5. EQUIPMENT MANUFACTURER

PAT

WIM SYSTEM CALIBRATION SPECIFICS**

6.**CALIBRATION TECHNIQUE USED:

TRAFFIC STREAM --

STATIC SCALE (Y/N)

3S2

TEST TRUCKS

NUMBER OF TRUCKS COMPARED

1

NUMBER OF TEST TRUCKS USED

PASSES PER TRUCK

TRUCKTYPE

SUSPENSION

10

9

Air

TYPE PER FHWA 13 BIN SYSTEM

SUSPENSION: 1 - AIR; 2 - LEAF SPRING

3 - OTHER (DESCRIBE)

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)

MEAN DIFFERENCE BETWEEN ---

DYNAMIC AND STATIC GVW

1.27

STANDARD DEVIATION

3.0

DYNAMIC AND STATIC SINGLE AXLES

STANDARD DEVIATION

DYNAMIC AND STATIC DOUBLE AXLES

STANDARD DEVIATION

8.

8

 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH)

49

50

43

46

40

45

38

41

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED)

N/A

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:

N/A

*** FHWA CLASS 9

FHWA CLASS

*** FHWA CLASS 8

FHWA CLASS

FHWA CLASS

FHWA CLASS

*** PERCENT "UNCLASSIFIED" VEHICLES:

PERSON LEADING CALIBRATION EFFORT:	Sunil Patel
CONTACT INFORMATION:	Denny Williams 8/5/03 rev. November 9,

<div>SHEET 16</div> <div>LTPP MONITORED TRAFFIC DATA</div> <div>SITE CALIBRATION SUMMARY</div>	<div>*STATE ASSIGNED ID<div>107</div></div> <div>*STATE CODE<div>42</div></div> <div>*SHRP SECTION ID<div>9027</div></div>
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR)

04/07/1998

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

BARE FLAT PIEZO

BENDING PLATES

CHANNELIZED ROUND PIEZO

LOAD CELLS

QUARTZ PIEZO

X

 CHANNELIZED FLAT PIEZO

X

 INDUCTANCE LOOPS

CAPACITANCE PADS

OTHER (SPECIFY)

5. EQUIPMENT MANUFACTURER

PAT

WIM SYSTEM CALIBRATION SPECIFICS**

6.**CALIBRATION TECHNIQUE USED:

TRAFFIC STREAM

 --

STATIC SCALE (Y/N)

3S2

TEST TRUCKS

NUMBER OF TRUCKS COMPARED

1

NUMBER OF TEST TRUCKS USED

8

PASSES PER TRUCK

TRUCK	TYPE	SUSPENSION
1	9	Air
2		
3		

TYPE PER FHWA 13 BIN SYSTEM

SUSPENSION: 1 - AIR; 2 - LEAF SPRING

3 - OTHER (DESCRIBE)

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN ---
DYNAMIC AND STATIC GVW

-0.91

STANDARD DEVIATION

42.9

DYNAMIC AND STATIC SINGLE AXLES

STANDARD DEVIATION

DYNAMIC AND STATIC DOUBLE AXLES

STANDARD DEVIATION

8.

6

 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH)

60

59

55

52

42

58

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED)

N/A

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

X

MANUAL

PARALLEL CLASSIFIERS

13. METHOD TO DETERMINE LENGTH OF COUNT :

X

TIME

NUMBER OF TRUCKS

14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:

N/A

*** FHWA CLASS 9

FHWA CLASS

*** FHWA CLASS 8

FHWA CLASS

FHWA CLASS

FHWA CLASS

FHWA CLASS

*** PERCENT "UNCLASSIFIED" VEHICLES:

PERSON LEADING CALIBRATION EFFORT:	<div>Sunil Patel</div>
CONTACT INFORMATION:	<div>Denny Williams 8/5/03</div> <div>rev. November 9,</div>