

**SHEET 10  
LTPP TRAFFIC DATA**

**TRAFFIC VOLUME AND LOAD  
ESTIMATE UPDATE-NO SITE COUNT**

\*STATE ASSIGNED ID

[0106]

\*STATE CODE

0107  
[42]

\*SHRP SECTION ID

[3044]

9027

**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)
99	30617	11041	10710	3864	2116 1475

**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)
- ☐ 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)
- ☒ 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)
- ☐ 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 data count. (1)
- ☐ Other: (3) \_\_\_\_\_

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

- ☐ ESAL/Truck factor (1)
- ☒ ESAL/Vehicle class. (2) (No. of classes) 8
- ☐ ESAL/Axle(3) Sing. \_\_\_\_ Tand. \_\_\_\_ Tri. \_\_\_\_
- ☐ Other: (4) \_\_\_\_\_

**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) NONE

NAME OF PREPARER JOHN PARKER

PHONE # 717-787-4327

DATE PREPARED 7/23/01

rev. March 12, 2001

SHEET 13  
TRAFFIC DATA FILES  
TRANSMITTAL FORM

STATE  
STATE CODE

Pennsylvania  
42

FILENAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS SCHEME
C421690.D59	2/5/99	00:00	2/11/99	23:00	F
W421690.D59	2/5/99	00:00	2/11/99	23:00	F
C421606.D50	2/5/99	00:00	2/11/99	23:00	F
W421606.D59	2/5/99	00:00	2/11/99	23:00	F
C421599.D59	2/5/99	00:00	2/11/99	23:00	F
W421599.D59	2/5/99	00:00	2/11/99	23:00	F
C421605.DI9	2/19/99	00:00	2/25/99	23:00	F
W421605.DI9	2/19/99	00:00	2/25/99	23:00	F
C421597.E69	3/6/99	00:00	3/12/99	23:00	F
W421597.E69	3/6/99	00:00	3/12/99	23:00	F
C423044.C19	1/1/99	00:00	3/31/99	23:00	F
C421690.C19	1/1/99	00:00	3/31/99	23:00	F
C427037.C19	1/1/99	00:00	3/31/99	23:00	F
C421606.C19	1/1/99	00:00	3/31/99	23:00	F
C421599.C19	1/1/99	00:00	3/31/99	23:00	F
C421605.C19	1/1/99	00:00	3/31/99	23:00	F
C421597.C19	1/1/99	00:00	3/31/99	23:00	F

NAME OF PREPARER  
DATE PREPARED

Denny Williams  
5/11/99

PHONE NO. (717) 787-1840

SHEET 13  
TRAFFIC DATA FILES  
TRANSMITTAL FORM

STATE  
STATE CODE

Pennsylvania  
42

FILENAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS SCHEME
C421606.H19	6/1/99	00:00	6/7/99	23:00	F
W421606.H19	6/1/99	00:00	6/7/99	23:00	F
C421599.FR9	4/28/99	00:00	5/4/99	23:00	F
W421599.FR9	4/28/99	00:00	5/4/99	23:00	F
C421605.FS9	4/29/99	00:00	5/5/99	23:00	F
W421605.FS9	4/29/99	00:00	5/5/99	23:00	F
C421597.HN9	6/24/99	00:00	6/30/99	23:00	F
W421597.HN9	6/24/99	00:00	6/30/99	23:00	F
C423044.F19	4/1/99	00:00	6/30/99	23:00	F
C421690.F19	4/1/99	00:00	6/30/99	23:00	F
C427037.F19	4/1/99	00:00	6/30/99	23:00	F
C421606.F19	4/1/99	00:00	6/30/99	23:00	F
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DATE PREPARED

Denny Williams  
8/23/99

PHONE NO. (717) 787-1840

<div>SHEET 16</div> <div>LTPP MONITORED TRAFFIC DATA</div> <div>SITE CALIBRATION SUMMARY</div>	<div>*STATE ASSIGNED ID<div>317</div></div> <div>*STATE CODE<div>42</div></div> <div>*SHRP SECTION ID<div>1606</div></div>
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SITE CALIBRATION INFORMATION

420400

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

05/10/1999
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)
- 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

9

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

DYNAMIC AND STATIC SINGLE AXLES

DYNAMIC AND STATIC DOUBLE AXLES

2.25

STANDARD DEVIATION

STANDARD DEVIATION

STANDARD DEVIATION

2.7

8. 

6

 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH)

41414250516061

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 8

FHWA CLASS

FHWA CLASS

FHWA CLASS

FHWA CLASS

\*\*\* PERCENT "UNCLASSIFIED" VEHICLES:
- PERSON LEADING CALIBRATION EFFORT:

Dar Reed (DTS Technician)

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>317</div></div> <div>*STATE CODE<div>42</div></div> <div>*SHRP SECTION ID<div>1606</div></div>
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11/16/1999

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☒ WIM

☐ CLASSIFIER

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3. \* REASON FOR CALIBRATION

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☐ EQUIPMENT REPLACEMENT

☐ DATA TRIGGERED SYSTEM REVISION

☐ OTHER (SPECIFY)

☐ RESEARCH

☐ TRAINING

☐ NEW EQUIPMENT INSTALLATION

ENTERED SEP 03 2003

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☒ CHANNELIZED FLAT PIEZO

☐ OTHER (SPECIFY)

☐ BARE FLAT PIEZO

☐ LOAD CELLS

☒ INDUCTANCE LOOPS

☐

☐ BENDING PLATES

☐ QUARTZ PIEZO

☐ CAPACITANCE PADS

☐

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

☐

NUMBER OF TEST TRUCKS USED

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PASSES PER TRUCK

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TYPE

SUSPENSION

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9

Air

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TYPE PER FHWA 13 BIN SYSTEM

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MEAN DIFFERENCE BETWEEN ---

DYNAMIC AND STATIC GVW

DYNAMIC AND STATIC SINGLE AXLES

DYNAMIC AND STATIC DOUBLE AXLES

1.05

STANDARD DEVIATION

STANDARD DEVIATION

STANDARD DEVIATION

4.3

8. ☐ 5 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH)

53 52 63 61 47

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\*\*\*

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\*\*\* FHWA CLASS 9

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FHWA CLASS

FHWA CLASS

FHWA CLASS

FHWA CLASS

PERSON LEADING CALIBRATION EFFORT:	Dar Reed (DTS Technician)
CONTACT INFORMATION:	Denny Williams 8/5/03 rev. November 9,