

ENTERED AUG 16 2001

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE-NO SITE COUNT	*STATE ASSIGNED ID	[0317]
	*STATE CODE	[42]
	*SHRP SECTION ID	4606

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)
97	7808	702	2733	246	1297

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	7/17/01		rev. March 12, 2001

* Same as 421606 *

SHEET 10
LTPP TRAFFIC DATA

TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT

*STATE ASSIGNED ID [0317]
*STATE CODE [42]
*SHRP SECTION ID [C400]

1. ANNUAL TRAFFIC ESTIMATES

ENTERED OCT 26 2001

*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)
1997	7808	702	2733	246	1297

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 E. FILLION
DATE PREPARED October 26, 2001

PHONE # 716-632-0804
rev. March 12, 2001

SHEET 12
TRAFFIC DATA
COLLECTION SITE

STATE ASSIGNED ID 0317
STATE CODE 42
SHRP SECTION ID 1406
EFFECTIVE DATE 1 1

HIGHWAY RT. NO. SR 220, I-99 MILEPOST NO. _____

LOCATION Blair Co. 0.75 mile N. of SR 403f Bridge

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____ #BINS 13

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE _____ PERMANENT X

AVC EQUIPMENT MAKE / MODEL NO. Diamond / Phoenix

SENSOR TYPE LOOP/piezo (made by Ecm)

WEIGHT SCALE TYPE: PORT. WIM _____ PERM. WIM _____ OTHER _____

EQUIPMENT MAKE / MODEL NO. _____

SENSOR TYPE _____

METHOD OF CALIBRATION: _____

FREQUENCY OF CALIBRATION: _____

COMMENTS: Diamond Equipment collects CAVC

Data All year Around.

NAME OF PREPARER SR Patel PHONE NO. (717) 772-2739
DATE PREPARED 1/14/98

SHEET 12
TRAFFIC DATA
COLLECTION SITE

STATE ASSIGNED ID
STATE CODE
SHRP SECTION ID
EFFECTIVE DATE

0317
42
1606
1 1

HIGHWAY RT. NO. SR 220, I-99 MILEPOST NO. _____

LOCATION Blair Co. 0.75 mile N. of SR 4034 Bridge

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER _____ #BINS 15

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE _____ PERMANENT ☒

AVC EQUIPMENT MAKE / MODEL NO. _____

SENSOR TYPE _____

WEIGHT SCALE TYPE: PORT. WIM ☒ PERM. WIM _____ OTHER _____

EQUIPMENT MAKE / MODEL NO. PAT WIM/DAW100 Pietzsch Type: AVC 100

SENSOR TYPE Loop/Piezo (Made by ECM)

METHOD OF CALIBRATION: Modified version of the ASTM Standard E1318-92

FREQUENCY OF CALIBRATION: Twice a year

COMMENTS: PAT Equipment collects CAVC & WIM Data

once week per quarter

Bin#14 32 Tractor & Trailer with 5 AXLS

Bin#15 Unclassified Vehicles

NAME OF PREPARER SR. Patel PHONE NO. (717) 772-2739
DATE PREPARED 1/14/98

Pennsylvania
42

NAME OF PREPARER SR Patel PHONE NO. (712) 772-2739
DATE PREPARED 1/14/98

<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>
--	--

SITE CALIBRATION INFORMATION

42C400

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

[10/17/1997]

2. * TYPE OF EQUIPMENT CALIBRATED

X

 WIM

CLASSIFIER

BOTH

3. * REASON FOR CALIBRATION

X

 REGULARLY SCHEDULED SITE VISIT

EQUIPMENT REPLACEMENT

DATA TRIGGERED SYSTEM REVISION

OTHER (SPECIFY)

RESEARCH

TRAINING

NEW EQUIPMENT INSTALLATION

ENTERED SEP 03 2003

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

BARE ROUND PIEZO CERAMIC

CHANNELIZED ROUND PIEZO

X CHANNELIZED FLAT PIEZO

OTHER (SPECIFY)

BARE FLAT PIEZO

LOAD CELLS

X 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

1

NUMBER OF TEST TRUCKS USED

10

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

-0.47

STANDARD DEVIATION

5.1

8. 7

NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH)

66

57

64

55

46

45

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***

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

*** PERCENT "UNCLASSIFIED" VEHICLES:

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