

ENTERED NOV 09 1999

<b>SHEET 10</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUME AND LOAD</b> <b>ESTIMATE UPDATE - NO SITE COUNT</b>	*STATE ASSIGNED ID [ _ _ _ _ ]
	*STATE CODE [ 42 ]
	*SHRP SECTION ID [ 1622 ]

## 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)
1998	23298	9716	8154	3401	1891

## 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

## 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 \_\_\_\_\_

## 4. METHOD FOR ESTIMATING TOTAL VEHICLES GPS LANE AADT

- ☒ System distribution factors.  
☐ Other \_\_\_\_\_

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

- ☒ System distribution factors.  
☐ Other \_\_\_\_\_

## 6. METHOD FOR ESTIMATING ESAL/YEAR IN GPS LANE

- ☐ ESAL/Truck factor.  
☒ ESAL/vehicle class factors -  
 Number of classes B  
☐ 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. Stan

PHONE #

717-787-4574

DATE PREPARED

11/3/99

STATE Pennsylvania  
STATE CODE 42  
PA Site# 001

Pennsylvania

42

PA Site # 001

NAME OF PREPARER Sunil R. Patel PHONE NO. 717-772 2739  
DATE PREPARED 4-23-98

SHEET 13 TRAFFIC DATA FILES TRANSMITTAL FORM	STATE:	PENNSYLVANIA
	STATE CODE:	42

File Name	Start Date mm/dd/yy	Start Time hh:mm	End Date mm/dd/yy	End Time hh:mm	Class Scheme	Counter Manufacturer
C421597.IR8	7/28/98	0	8/3/98	0	F	PAT
C421599.IL8	7/22/98	0	7/28/98	0	F	PAT
C421605.IG8	7/17/98	0	7/23/98	0	F	PAT
C241606.IL8	7/22/98	0	7/28/98	0	F	PAT
C421690.I98	7/9/98	0	7/15/98	0	F	PAT
C423044.J58	8/5/98	0	8/11/98	0	F	PAT
W421597.IR8	7/28/98	0	8/3/98	0	F	PAT
W421599.IL8	7/22/98	0	7/28/98	0	F	PAT
W421605.IG8	7/17/98	0	7/23/98	0	F	PAT
W241606.IL8	7/22/98	0	7/28/98	0	F	PAT
W421690.I98	7/9/98	0	7/15/98	0	F	PAT
W423044.J58	8/5/98	0	8/11/98	0	F	PAT
C421597.I38	7/3/98	0	9/29/98	2300	F	DIAMOND
C421599.I18	7/1/98	0	9/30/98	2300	F	DIAMOND
C421605.I18	7/1/98	0	9/30/98	2300	F	DIAMOND
C241606.I18	7/1/98	0	9/30/98	2300	F	DIAMOND
C421690.I18	7/1/98	0	9/30/98	2300	F	DIAMOND
C423044.I28	7/2/98	0	9/20/98	2300	F	DIAMOND
C421627.K48	9/4/98	0	9/25/98	2300	F	ECM
W421627.K48	9/4/98	0	9/25/98	2300	F	ECM

NAME OF PREPARER:	SUNIL PATEL	PHONE NO.:	717-772-2739
DATE PREPARED:	10/5/98		

**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
<u>C421627.mjs</u>	<u>11/20/98</u>	<u>00:00</u>	<u>11/26/98</u>	<u>23:00</u>	<u>F</u>
<u>W421627.mjs</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>F</u>
<u>C423044.m68</u>	<u>11/6/98</u>	<u>00:00</u>	<u>11/12/98</u>	<u>23:00</u>	<u>F</u>
<u>W423044.m68</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>F</u>
<u>C421690.m68</u>	<u>11/10/98</u>	<u>00:00</u>	<u>11/16/98</u>	<u>23:00</u>	<u>F</u>
<u>W421690.m68</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>F</u>
<u>C421606.m18</u>	<u>11/18/98</u>	<u>00:00</u>	<u>11/24/98</u>	<u>23:00</u>	<u>f</u>
<u>W421606.m18</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>f</u>
<u>C421599.LR8</u>	<u>10/28/98</u>	<u>00:00</u>	<u>11/3/98</u>	<u>23:00</u>	<u>f</u>
<u>W421599.LR8</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>f</u>
<u>C421605.m18</u>	<u>11/1/98</u>	<u>00:00</u>	<u>11/7/98</u>	<u>23:00</u>	<u>f</u>
<u>W421605.m18</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>f</u>
<u>C421597.LK8</u>	<u>10/21/98</u>	<u>00:00</u>	<u>10/27/98</u>	<u>23:00</u>	<u>f</u>
<u>W421597.LK8</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>f</u>
<u>C429027.m68</u>	<u>11/6/98</u>	<u>00:00</u>	<u>11/12/98</u>	<u>23:00</u>	<u>f</u>
<u>W429027.m68</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>f</u>

NAME OF PREPARER

Sunil Patel

PHONE NO.

717 772 2739

DATE PREPARED

1/4/98

**SHEET 14**  
**LTPP TRAFFIC DATA**

**EQUIPMENT INSTALLATION LOG**

STATE ASSIGNED ID [0001]

STATE CODE [42]

SHRP SECTION ID [162]

LOCATION Clearfield Between <sup>I-80</sup> Exit 18 & 19 DATE OF INSTALLATION 9-15-98

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	Hestia	ECM	
Interface			
Modem			
Loop Amplifiers			
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor		ECM	
Sensor Next Adjacent Lane (1)			
Sensor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	FHWA V2.03	ECM	
Axle Spacing Algorithm Only	PIEZO LOOP PIEZO		
Other _____			
Loops			
Upstream - Lane 1			72930
Downstream - Lane 1			72934
Upstream - Other Lanes			
Downstream - Other Lanes			

**SHEET 15**

LOCATION Clearfield I-80 Between Exit  
18 & 19

SHRP SECTION ID [1627]

MP # \_\_\_\_\_ MODEL # HESTIA

MP # \_\_\_\_\_ MODEL # HESTIA

[illegible]

<div>SHEET 16</div> <div>LTPP MONITORED TRAFFIC DATA</div> <div>SITE CALIBRATION SUMMARY</div>	<div>*STATE ASSIGNED ID<div>001</div></div> <div>*STATE CODE<div>42</div></div> <div>*SHRP SECTION ID<div>1627</div></div>
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SITE CALIBRATION INFORMATION

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

09/03/1998

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)

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

-0.77

STANDARD DEVIATION

2.5

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)

54 47 60 65 50 55

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,