

SHEET 13
TRAFFIC DATA FILES
TRANSMITTAL FORM

STATE Pennsylvania
STATE CODE 42
PA Site # 409

FILENAME	START DATE mm / dd / yy	START TIME hh:mm	END DATE mm / dd / yy	END TIME hh:mm	CLASS. SCHEME
<u>C421605.C18</u>	<u>1/1/98</u>	<u>00:00</u>	<u>3/31/98</u>	<u>23:00</u>	<u>f</u>
<u>C421605.d68</u>	<u>2/6/98</u>	<u>00:00</u>	<u>2/12/98</u>	<u>23:00</u>	<u>f</u>
<u>W421605.d68</u>	<u>2/6/98</u>	<u>00:00</u>	<u>2/12/98</u>	<u>23:00</u>	<u>f</u>
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NAME OF PREPARER Sunil R. Patel PHONE NO. 717-772 2739
DATE PREPARED 4-23-98

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>C423044.FJ8</u>	<u>4/20/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
<u>C421597.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/25/98</u>	<u>23:00</u>	<u>F</u>
<u>C421605.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
<u>C421599.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
<u>C421606.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
<u>C427037.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
<u>C421690.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
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NAME OF PREPARER Sunil R. Patel PHONE NO. 717/772/2739
DATE PREPARED 7/23/98

SHEET 13
TRAFFIC DATA FILES
TRANSMITTAL FORM

STATE
STATE CODE

Pennsylvania
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FILENAME	START DATE mm / dd / yy	START TIME hh:mm	END DATE mm / dd / yy	END TIME hh:mm	CLASS. SCHEME
<u>C421597.FK8</u>	<u>4/21/98</u>	<u>00:00</u>	<u>4/27/98</u>	<u>23:00</u>	<u>F</u>
<u>W421597.FK8</u>	<u>4/21/98</u>	<u>00:00</u>	<u>4/27/98</u>	<u>23:00</u>	<u>F</u>
<u>C421599.FL8</u>	<u>4/22/98</u>	<u>00:00</u>	<u>4/28/98</u>	<u>23:00</u>	<u>f</u>
<u>W421599.FL8</u>	<u>4/22/98</u>	<u>00:00</u>	<u>4/28/98</u>	<u>23:00</u>	<u>f</u>
<u>C421606.FN8</u>	<u>4/24/98</u>	<u>00:00</u>	<u>4/30/98</u>	<u>23:00</u>	<u>f</u>
<u>W421606.FN8</u>	<u>4/24/98</u>	<u>00:00</u>	<u>4/30/98</u>	<u>23:00</u>	<u>f</u>
<u>C421605.G98</u>	<u>5/9/98</u>	<u>00:00</u>	<u>5/15/98</u>	<u>23:00</u>	<u>f</u>
<u>W421605.G98</u>	<u>5/9/98</u>	<u>00:00</u>	<u>5/15/98</u>	<u>23:00</u>	<u>f</u>
<u>C421690.GP8</u>	<u>5/26/98</u>	<u>00:00</u>	<u>6/1/98</u>	<u>23:00</u>	<u>f</u>
<u>W421690.GP8</u>	<u>5/26/98</u>	<u>00:00</u>	<u>6/1/98</u>	<u>23:00</u>	<u>f</u>
<u>C423044.GP8</u>	<u>5/26/98</u>	<u>00:00</u>	<u>6/1/98</u>	<u>23:00</u>	<u>f</u>
<u>W423044.GP8</u>	<u>5/26/98</u>	<u>00:00</u>	<u>6/1/98</u>	<u>23:00</u>	<u>f</u>
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_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

NAME OF PREPARER

Sunil R. Patel

PHONE NO.

717-772 2739

DATE PREPARED

7/23/98

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		

Pennsylvania
42

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

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 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [409]
*STATE CODE [42]
*SHRP SECTION ID [1605]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [04//08/1998]

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 19 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

	TRUCK	PASSES PER TRUCK	TYPE	SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM	1	10	9	Air
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	<u>0.65</u>	STANDARD DEVIATION	<u>5.9</u>
DYNAMIC AND STATIC SINGLE AXLES	<u>---</u>	STANDARD DEVIATION	<u>---</u>
DYNAMIC AND STATIC DOUBLE AXLES	<u>---</u>	STANDARD DEVIATION	<u>---</u>

8. 5 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 44 43 48 54 53

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,

4/9/98 S.R. 0049 NELSON sheet 16 pg. 2

Calculating Percent of Non-Conforming Data Items
(must be within +/- 15% for Type II WIM system)

PS1 scanned

421605 '98

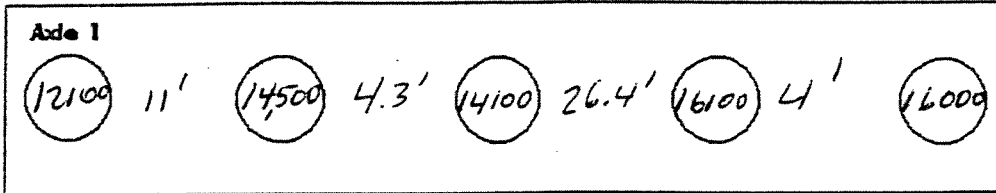
$$d = 100[(C-R)/R]$$

d = difference in the value of the data item produced by the WIM system and the corresponding reference value expressed as a percent of the reference value, %

C = value of the data item (truck) produced by the WIM system

R = corresponding reference value for the data item (actual truck weight)

Vehicle class: 9 TRUCK # 305086 TRAILER # 53316



Indicate above: Axle spacings, Axle weights

Pass # Direction Speed C (WIM) R (Reference) d (Difference)

1	1	44	79,400	72,800	+6,600	+9%
2	1	43	78,600		+5,800	+8%
3	1	44	78,300		+5,500	+8%
4	1	54	73,100		+300	+0.4%
5	1	54	76,500		+3700	+5%
6	1	53	67,700		-5100	-7%
7	1	59	63,000		-9800	-13%
8	1	58	70,000		-2800	-4%
9	1	59	65,400		-7400	-10%
10	1	58	69,200	72,800	-3600	-5%
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Site #
410