

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[410]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1597]

HIGHWAY RT. NO. (THIS COUNT) PA49

MILEPOST NO. OR LOCATION (THIS COUNT) SEG. NO. 530

FILENAME C421597.DOC DISK ID

BEGINNING DATE 2/14/02 BEGINNING TIME 00:00

ENDING DATE 2/28/02 ENDING TIME 23:59

COUNT DURATION 15 [] HOURS ☒ DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT ☒

EQUIPMENT MAKE/MODEL# PAT DAW 100

SENSOR TYPE PIEZO

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: ATR continuous counts used to develop seasonal adjustment factors which are applied to all 24 hour raw counts by month and by day of week.

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) N/A

COMMENTS

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>John Parker</u>	PHONE <u>717-787-4327</u>
DATE PREPARED <u>5/8/02</u>	revised May 23, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[410]
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HIGHWAY RT. NO. (THIS COUNT) PA49

MILEPOST NO. OR LOCATION (THIS COUNT) SEG NO. 530

FILENAME C42 1597. E1C DISK ID

BEGINNING DATE 3/1/02 BEGINNING TIME 00:00

ENDING DATE 3/30/02 ENDING TIME 23:59

COUNT DURATION 1 [] HOURS [] DAYS [☒] MONTHS

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	*STATE CODE	[42]
	*SHRP SECTION ID	[1606]

HIGHWAY RT. NO. (THIS COUNT) I-99

MILEPOST NO. OR LOCATION (THIS COUNT) SEG. 214

FILENAME C421606.G5C DISK ID

BEGINNING DATE 5-5-02 BEGINNING TIME 00:00

ENDING DATE 5-11-02 ENDING TIME 23:59

COUNT DURATION 7 [] HOURS ☒ DAYS [] MONTHS

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NAME OF PREPARER <u>Denny Williams</u>	PHONE <u>717-787-1840</u>
DATE PREPARED <u>11-15-02</u>	revised May 23, 2001

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	*SHRP SECTION ID	[<u>1597</u>]

HIGHWAY RT. NO. (THIS COUNT) SR 0049

MILEPOST NO. OR LOCATION (THIS COUNT) SEG. 530

FILENAME C42/1597.G5C DISK ID

BEGINNING DATE 5-5-02 BEGINNING TIME 00:00

ENDING DATE 5-11-02 ENDING TIME 23:59

COUNT DURATION 7 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER

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	*SHRP SECTION ID	[<u>1597</u>]

HIGHWAY RT. NO. (THIS COUNT) SR 0049

MILEPOST NO. OR LOCATION (THIS COUNT) SEG. 530

FILENAME C421597.JHC DISK ID

BEGINNING DATE 8-18-02 BEGINNING TIME 00:00

ENDING DATE 8-24-02 ENDING TIME 23:59

COUNT DURATION _____ [] HOURS [☒] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS

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MILEPOST NO. OR LOCATION (THIS COUNT) SEG. 530

FILENAME C421597.JHC DISK ID

BEGINNING DATE 8-18-02 BEGINNING TIME 00:00

ENDING DATE 8-24-02 ENDING TIME 23:59

COUNT DURATION _____ [] HOURS ☒ DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER

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	*STATE CODE	[42]
	*SHRP SECTION ID	[1597]

HIGHWAY RT. NO. (THIS COUNT) PA 49

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0520

FILENAME: C42 1597.L1C DISK ID _____

BEGINNING DATE 10/1/02 BEGINNING TIME 12:00 am

ENDING DATE 12/31/02 ENDING TIME 11:59 pm

COUNT DURATION 3 [] HOURS [] DAYS [X] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS

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EQUIPMENT MAKE/MODEL# PAT DAW 100

SENSOR TYPE PIEZO

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CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) NA

COMMENTS :

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Denny Williams</u>	PHONE <u>717-787-1840</u>
DATE PREPARED <u>April 2003</u>	revised: <u>May 23, 2001</u>

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[410]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1597]

HIGHWAY RT. NO. (THIS SESSION) PA 49

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 0520

FILENAME W42 1597..L1C DISK ID _____

BEGINNING DATE 10/1/02 BEGINNING TIME 12:00 am

ENDING DATE 12/31/02 ENDING TIME 11:59 pm

COUNT DURATION 3 [] HOURS [] DAYS [X] MONTHS

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

EQUIPMENT MAKE/MODEL# PAT DAW 1 0

SENSOR TYPE PIEZO

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19 _____ 7-card FHWA 13 bin in cols. 22-23
 7-card 6 digit Truck Weight study _____ W-card X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS _____

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METHOD OF CALIBRATION AND FREQUENCY: Test trucks, Spring and Fall

COMMENTS: See Sheet #16 for more detailed calibration information

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Denny Williams</u>	PHONE: <u>717-787-1840</u>
DATE PREPARED <u>April 2003</u>	revised May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[410]
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	*SHRP SECTION ID	[1597]

HIGHWAY RT. NO. (THIS SESSION) PA49

MILEPOST NO. OR LOCATION (THIS SESSION) SEG. NO. 530

FILENAME W42 1597.DOC DISK ID

BEGINNING DATE 2/14/02 BEGINNING TIME 00:00 02:00

ENDING DATE 2/28/02 ENDING TIME 23:59

COUNT DURATION 15 [] HOURS ☒ DAYS [] MONTHS

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

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NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6
 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH
 SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION
 SCHEME TO THE FHWA 13 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: Test trucks, Spring and Fall

COMMENTS See Sheet #16 for more detailed calibration information

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Denny Williams</u>	PHONE <u>717-787-1840</u>
DATE PREPARED <u>11-15-02</u>	revised May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[<u>410</u>]
	*STATE CODE	[<u>42</u>]
	*SHRP SECTION ID	[<u>1597</u>]

HIGHWAY RT. NO. (THIS SESSION) SR 0049

MILEPOST NO. OR LOCATION (THIS SESSION) SEG 530

FILENAME W42 1597. JHC DISK ID

BEGINNING DATE 8-18-02 BEGINNING TIME 00:00

ENDING DATE 8-24-02 ENDING TIME 23:59

COUNT DURATION 7 [] HOURS ☒ DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# PAT DAW 100

SENSOR TYPE PIEZO

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19 _____ 7-card FHWA 13 bin in cols. 22-23 _____
 7-card 6 digit Truck Weight study _____ W-card X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6
 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH
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METHOD OF CALIBRATION AND FREQUENCY: Test trucks, Spring and Fall

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FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Denny Williams</u>	PHONE <u>717-787-1840</u>
DATE PREPARED <u>11-15-02</u>	revised May 23, 2001

<div>SHEET 16</div> <div>LTPP MONITORED TRAFFIC DATA</div> <div>SITE CALIBRATION SUMMARY</div>	<div>*STATE ASSIGNED ID [410]</div> <div>*STATE CODE [42]</div> <div>*SHRP SECTION ID [1597]</div>
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [06 / 14 / 2002.]

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 DAW 100

BASEL SAID
THEY HAVE
BEEN LOADED
BEFORE
ALL 3 of
them

WIM SYSTEM CALIBRATION SPECIFICS**

6.** CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS

☐ NUMBER OF TRUCKS COMPARED ☐ 1 NUMBER OF TEST TRUCKS USED

TYPE PER FHWA 13 BIN SYSTEM
SUSPENSION: 1 - AIR; 2 - LEAF SPRING
3 - OTHER (DESCRIBE)

10

TRUCK

1

PASSES PER TRUCK

TYPE

8

SUSPENSION

1

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN ---See attached calibration form.
DYNAMIC AND STATIC GVW _____ . _____ STANDARD DEVIATION _____ . _____
DYNAMIC AND STATIC SINGLE AXLES _____ . _____ STANDARD DEVIATION _____ . _____
DYNAMIC AND STATIC DOUBLE AXLES _____ . _____ STANDARD DEVIATION _____ . _____

8. ☒ 4 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 50 - 60

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) Unknown . _____

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:
*** FHWA CLASS 9 _____ FHWA CLASS _____
*** FHWA CLASS 8 _____ FHWA CLASS _____
FHWA CLASS _____
FHWA CLASS _____
*** PERCENT "UNCLASSIFIED" VEHICLES: _____ . _____

PERSON LEADING CALIBRATION EFFORT: John Parker
CONTACT INFORMATION: Denny Williams 717-787-1840

<div>SHEET 16</div> <div>LTPP MONITORED TRAFFIC DATA</div> <div>SITE CALIBRATION SUMMARY</div>	<div>*STATE ASSIGNED ID [410]</div> <div>*STATE CODE [42]</div> <div>*SHRP SECTION ID [1597]</div>
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SITE CALIBRATION INFORMATION

ENTERED MAY 01 2003

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [06 / 14 / 2002]
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 ☐ DAW 100 _____

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS

☐ NUMBER OF TRUCKS COMPARED ☐ 1 NUMBER OF TEST TRUCKS USED

☐ 8 PASSES PER TRUCK

	TRUCK	TYPE	SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM	1	8	1
SUSPENSION: 1 - AIR; 2 - LEAF SPRING	2		
3 - OTHER (DESCRIBE)	3		
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN --See attached calibration form.
DYNAMIC AND STATIC GVW ☐ 1.4% STANDARD DEVIATION ☐ 1.1
DYNAMIC AND STATIC SINGLE AXLES ☐ 7.7 STANDARD DEVIATION ☐ 0.3
DYNAMIC AND STATIC DOUBLE AXLES ☐ 4.6 STANDARD DEVIATION ☐ 0.8
8. ☐ 4 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) ☐ 50 - 60 _____
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) ☐ Unknown _____
- 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:
*** FHWA CLASS 9 _____ FHWA CLASS _____
*** FHWA CLASS 8 _____ FHWA CLASS _____
FHWA CLASS _____
FHWA CLASS _____
*** PERCENT "UNCLASSIFIED" VEHICLES: _____

PERSON LEADING CALIBRATION EFFORT: <u>John Parker</u>
CONTACT INFORMATION: <u>Denny Williams 717-787-1840</u>

rev. November 9, 1999