

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0410]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1597]

HIGHWAY RT. NO. (THIS COUNT) PA 49

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

FILENAME C42 1597.11a DISK ID

BEGINNING DATE 7/1/00 BEGINNING TIME 00:00

ENDING DATE 9/30/00 ENDING TIME 23:59

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

VEHICLE CLASSIFICATION METHOD: FHWA 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 SHEET 7 DESCRIBING HOW THE
 AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

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>5/24/01</u>	revised May 23, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0410]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1597]

HIGHWAY RT. NO. (THIS COUNT) PA49

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

FILENAME C421597.11a DISK ID

BEGINNING DATE 10/1/00 BEGINNING TIME 00:00

ENDING DATE 12/31/00 ENDING TIME 23:59

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

VEHICLE CLASSIFICATION METHOD: FHWA 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 SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

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>5/25/01</u>	revised May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0410]
	*STATE CODE	[42]
	*SHRP SECTION ID	1597

HIGHWAY RT. NO. (THIS SESSION) PA 49

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

FILENAME W42 1597.11a DISK ID

BEGINNING DATE 7/1/00 BEGINNING TIME 00:00

ENDING DATE 7/7/00 ENDING TIME 23:59

COUNT DURATION 7 [] HOURS [X] 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
 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>John Parker</u>	PHONE <u>717-787-4327</u>
DATE PREPARED <u>5/25/01</u>	revised May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[0410]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1597]

HIGHWAY RT. NO. (THIS SESSION) PA 49

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

FILENAME W42 1597.11a DISK ID

BEGINNING DATE 10/1/00 BEGINNING TIME 00:00

ENDING DATE 10/7/00 ENDING TIME 23:59

COUNT DURATION 7 [] HOURS [X] 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
 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>John Parker</u>	PHONE <u>717-787-4327</u>
DATE PREPARED <u>5/25/01</u>	revised May 23, 2001

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0410]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1597]

LOCATION NELSON, PA
 MP# SR0049

TYPE EQUIP. PAT TRAFFIC
 MODEL # PAW100

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
10-00	12:00	INSTALLED NEW SENSORS (BL)	JOHN PARKER	717-787-4327	

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0410]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1597]

LOCATION NELSON, PA
 MP# SR0049

TYPE EQUIP. PAT TRAFFIC
 MODEL # RAW100

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
10-00	12:00	INSTALLED NEW SENSORS (BL)	JOHN PARKER	712-787-4327	

revised November 11, 1999

<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 [421597]</div>
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SITE CALIBRATION INFORMATION

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

[4 / 26 / 00]

2. * TYPE OF EQUIPMENT CALIBRATED

WIM

CLASSIFIER

BOTH

3. * REASON FOR CALIBRATION

REGULARLY SCHEDULED SITE VISIT

EQUIPMENT REPLACEMENT

DATA TRIGGERED SYSTEM REVISION

OTHER (SPECIFY)

RESEARCH

TRAINING

NEW EQUIPMENT INSTALLATION

ENTERED JUN 14 2002

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

BARE ROUND PIEZO CERAMIC

CHANNELIZED ROUND PIEZO

CHANNELIZED FLAT PIEZO

OTHER (SPECIFY)

BARE FLAT PIEZO

LOAD CELLS

INDUCTANCE LOOPS

BENDING PLATES

QUARTZ PIEZO

CAPACITANCE PADS

5. EQUIPMENT MANUFACTURER

WIM SYSTEM CALIBRATION SPECIFICS**

6.** CALIBRATION TECHNIQUE USED:

TRAFFIC STREAM

STATIC SCALE (Y/N)

TEST TRUCKS

NUMBER OF TRUCKS COMPARED

NUMBER OF TEST TRUCKS USED

PASSES PER TRUCK

TRUCK TYPE SUSPENSION

TYPE PER FHWA 13 BIN SYSTEM

SUSPENSION: 1 - AIR; 2 - LEAF SPRING

3 - OTHER (DESCRIBE)

1

2

3

CLASO 9

AIR

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

16.1 %

STANDARD DEVIATION

STANDARD DEVIATION

STANDARD DEVIATION

8. NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

3

9. DEFINE THE SPEED RANGES USED (MPH)

45 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:

*** FHWA CLASS 9

*** FHWA CLASS 8

*** PERCENT "UNCLASSIFIED" VEHICLES:

N/A

FHWA CLASS

FHWA CLASS

FHWA CLASS

FHWA CLASS

PERSON LEADING CALIBRATION EFFORT:	Frank B Avelia
CONTACT INFORMATION:	717-579-7430

rev. November 9, 1999

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [0410]
*STATE CODE [42]
*SHRP SECTION ID [1597]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [11/15/2000]
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 AMPL BRASS LINQUIN

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

3 PASSES PER TRUCK

TRUCK TYPE SUSPENSION

TYPE PER FHWA 13 BIN SYSTEM

SUSPENSION: 1 - AIR; 2 - LEAF SPRING

3 - OTHER (DESCRIBE)

1

CLASS 9 AIR

2

3

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

5.1%

STANDARD DEVIATION

STANDARD DEVIATION

STANDARD DEVIATION

8. 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 35 40 45

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:

*** FHWA CLASS 9 N/A

FHWA CLASS

*** FHWA CLASS 8

FHWA CLASS

FHWA CLASS

FHWA CLASS