

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[324]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1599]

HIGHWAY RT. NO. (THIS COUNT) PA 120

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0042

FILENAME: C421599.11L ✓ DISK ID

BEGINNING DATE 01/01/10 BEGINNING TIME 12:00 am

ENDING DATE 03/31/10 ENDING TIME 11:59 pm

COUNT DURATION 90 [] HOURS [X] DAYS [] 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 190

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) NA

COMMENTS : Site converted to electric on 10/01/09. New Loops and Piezos were installed as well. Calibration scheduled for Fall 2010.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Todd Rottet</u>	PHONE <u>717-787-4574</u>
DATE PREPARED <u>07/21/11</u> revised: May 23, 2001	

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DATE PREPARED <u>07/21/11</u> revised: May 23, 2001	

SHEET 12
LTPP TRAFFIC DATA

CLASSIFICATION DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [324]

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*SHRP SECTION ID [1599]

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NAME OF PREPARER	Todd Rottet	PHONE	717-787-4574
DATE PREPARED	12/30/11	revised:	May 23, 2001

SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [324]
*STATE CODE [42]
*SHRP SECTION ID [1599]

HIGHWAY RT. NO. (THIS COUNT) PA 120

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

COMMENTS : See attached sheet 16 results.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER Andrew O'Neill PHONE 717-346-3250
DATE PREPARED 01/26/12 revised: May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[324]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1599]

HIGHWAY RT. NO. (THIS SESSION) PA 120

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BEGINNING DATE 01/01/10 BEGINNING TIME 12:00 am

ENDING DATE 03/31/10 ENDING TIME 11:59 pm

COUNT DURATION 90 [] HOURS [X] DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# PAT DAW 190

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. No Fall 2009 Calibrations occurred. Calibration scheduled for Fall 2010.

COMMENTS: Site converted to electric on 10/01/09. New Loops and Piezos were installed as well.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Todd Rottet</u>	PHONE: <u>717-787-4574</u>
DATE PREPARED <u>07/21/11</u>	revised May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[324]
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DATE PREPARED <u>07/21/11</u>	revised May 23, 2001

SHEET 13
LTPP TRAFFIC DATA
VEHICLE WEIGHT DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [324]
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NAME OF PREPARER Todd Rottet PHONE: 717-787-4574
DATE PREPARED 12/30/11 revised May 23, 2001

SHEET 13
LTPP TRAFFIC DATA
VEHICLE WEIGHT DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [324]
*STATE CODE [42]
*SHRP SECTION ID [1599]

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METHOD OF CALIBRATION AND FREQUENCY: Test trucks, Fall.

COMMENTS: See attached sheet 16 results.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Andrew O'Neill</u>	PHONE: <u>717-346-3250</u>
DATE PREPARED <u>01/25/12</u>	revised May 23, 2001

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [324]
*STATE CODE [42]
*SHRP SECTION ID [1599]

SITE CALIBRATION INFORMATION

ENTERED
30/MAY/2011
C.O.

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [10/27/11]
2. * TYPE OF EQUIPMENT CALIBRATED WIM CLASSIFIER BOTH
3. * REASON FOR CALIBRATION
 X 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
 X CHANNELIZED FLAT PIEZO X INDUCTANCE LOOPS CAPACITANCE PADS
 OTHER (SPECIFY)
5. EQUIPMENT MANUFACTURER PAT DAW 190

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
 TRAFFIC STREAM -- STATIC SCALE (Y/N) X TEST TRUCKS
 NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED
 10 PASSES PER TRUCK
TRUCK TYPE SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM
SUSPENSION: 1 - AIR; 2 - LEAF SPRING 2
3 - OTHER (DESCRIBE) 3
1
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN --- See attached calibration form below.
DYNAMIC AND STATIC GVW STANDARD DEVIATION
DYNAMIC AND STATIC SINGLE AXLES STANDARD DEVIATION
DYNAMIC AND STATIC DOUBLE AXLES STANDARD DEVIATION
8. NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 26-36
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) Not known
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) N
IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE:

CLASSIFIER TEST SPECIFICS***

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: Bruce Myers – IRD / Joni Sharp - PennDOT

CONTACT INFORMATION: Andrew O'Neill 717-346-3250

rev. November 9

*** See below for full calibration information:

Calibration 2011

[illegible][illegible]

Error:		1.5%	-4.7%	2.2%	-3.7	-0.2
StdDev:		1.3%	2.1%	2.6%	0.2	0.2
Confidence:	15%	1.8%	5.1%	2.7%	3.7	0.2
ASTM Limits:		95%	95%	95%		95
ASTM Conf:		100.0%	100.0%	100.0%		100.0%

Date: 27/Oct/2011

BPOyr]	#####	PZOyr]	675	E/A	1999
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