

<p align="center">SHEET 11</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">VOLUME DATA</p> <p align="center">TRANSMITTAL FORM</p>	STATE ASSIGNED ID [_ _ _ _]
	STATE CODE [39]
	SHRP SECTION ID [0265]

HIGHWAY RT. NO. (THIS COUNT) 23 MILEPOST NO. (THIS COUNT) 11.0

LOCATION (THIS COUNT) Delaware 23 Waldo

FILENAME V390265.C19 DISKTAPE ID _____

BEGINNING DATE Jan 1, 99 BEGINNING TIME 00:00

ENDING DATE Apr 30, 99 ENDING TIME 24:00

TYPE OF COUNT: TWO-WAY ☒ ONE-WAY _____ GPS LANE _____

COUNT DURATION 113 [] HOURS [☒] DAYS [] MONTHS 113 files

TYPE OF SENSOR _____ ROAD TUBES _____ PIEZO CABLE

_____ PIEZO FILM ☒ LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER / MODEL # Toledo scales

AXLE CORRECTION FACTOR _____ STANDARD DEV. OF FACTOR _____

MONTHLY/SEASONAL FACTOR _____ STANDARD DEV. OF FACTOR _____

DAY-OF-WEEK FACTOR _____ STANDARD DEV. OF FACTOR _____

OTHER FACTOR _____ STANDARD DEV. OF FACTOR _____
SPECIFY _____

DISTRIBUTION FACTOR FOR GPS LANE _____
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA.)

SOURCE OF GPS LANE DISTRIBUTION FACTOR ESTIMATE _____

COMMENTS: _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Andrew Williams Jr.</u>	PHONE # <u>(614) 752-4058</u>
DATE PREPARED <u>6/30/99</u>	

721

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	STATE ASSIGNED ID [_ _ _ _]
	STATE CODE [39]
	SHRP SECTION ID [0265]

HIGHWAY RT. NO. (THIS COUNT) 23 MILEPOST NO. (THIS COUNT) 11.0

LOCATION (THIS COUNT) Delaware 23 Waldo

FILENAME V390265.G19 DISK/TAPE ID _____

BEGINNING DATE May 1, 1999 BEGINNING TIME 00:00

ENDING DATE Sept 1, 1999 ENDING TIME 23:59

TYPE OF COUNT: TWO-WAY ☒ ONE-WAY _____ GPS LANE _____

COUNT DURATION 106 [] HOURS [☒] DAYS [] MONTHS

TYPE OF SENSOR _____ ROAD TUBES _____ PIEZO CABLE

_____ PIEZO FILM ☒ LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER / MODEL # Toledo scales

AXLE CORRECTION FACTOR _____ STANDARD DEV. OF FACTOR _____

MONTHLY/SEASONAL FACTOR _____ STANDARD DEV. OF FACTOR _____

DAY-OF-WEEK FACTOR _____ STANDARD DEV. OF FACTOR _____

OTHER FACTOR _____ STANDARD DEV. OF FACTOR _____
SPECIFY _____

DISTRIBUTION FACTOR FOR GPS LANE _____
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA.)

SOURCE OF GPS LANE DISTRIBUTION FACTOR ESTIMATE _____

COMMENTS: _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED. 614-752-5750

NAME OF PREPARER <u>[Signature]</u>	PHONE # <u>614-752-4058</u>
DATE PREPARED <u>3/31/00</u>	

Diane Boso

721

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	STATE ASSIGNED ID [_ _ _ _]
	STATE CODE [39]
	SHRP SECTION ID [0265]

HIGHWAY RT. NO. (THIS COUNT) 23 MILEPOST NO. (THIS COUNT) 11.0

LOCATION (THIS COUNT) Delaware 23 Waldo

FILENAME V390265.K59 DISKTAPE ID _____

BEGINNING DATE Sept 5, 1999 BEGINNING TIME 00:00

ENDING DATE Dec 31, 1999 ENDING TIME 23:59

TYPE OF COUNT: TWO-WAY ☒ ONE-WAY _____ GPS LANE _____

COUNT DURATION 69 [] HOURS [☒] DAYS [] MONTHS

TYPE OF SENSOR _____ ROAD TUBES _____ PIEZO CABLE

_____ PIEZO FILM ☒ LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER / MODEL # Toledo scales

AXLE CORRECTION FACTOR _____ STANDARD DEV. OF FACTOR _____

MONTHLY/SEASONAL FACTOR _____ STANDARD DEV. OF FACTOR _____

DAY-OF-WEEK FACTOR _____ STANDARD DEV. OF FACTOR _____

OTHER FACTOR _____ STANDARD DEV. OF FACTOR _____
SPECIFY _____

DISTRIBUTION FACTOR FOR GPS LANE _____
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA.)

SOURCE OF GPS LANE DISTRIBUTION FACTOR ESTIMATE _____

COMMENTS: _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED. 614-752-5750

NAME OF PREPARER <u>Diane Boso</u>	PHONE # <u>614-752-5750</u>
DATE PREPARED <u>3/31/00</u>	

Diane Boso

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	STATE ASSIGNED ID [_ _ _ _]
	STATE CODE [3 9]
	SHRP SECTION ID [0 2 6 5]

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721

HIGHWAY RT. NO. (THIS SESSION) 23 MILEPOST NO. (THIS SESSION) 11.0

LOCATION (THIS COUNT) Delaware 23 Waldo

FILENAME C390265.C19 DISK/TAPE ID _____

BEGINNING DATE Jan 1 99 BEGINNING TIME 0000

ENDING DATE Apr 30 99 ENDING TIME 24:00

COUNT DURATION 120 [] HOURS [☒] DAYS [] MONTHS 120 files

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER* _____ #BINS _____

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

* IF OTHER IS SELECTED PROVIDE NAME OF SHA CLASSIFICATION SCHEME _____

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT ☒

EQUIPMENT MAKE/MODEL # Toledo Scales

SENSOR TYPE load cells scale

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Andrew Williams Jr.</u>	PHONE # <u>(614) 752-4058</u>
DATE PREPARED <u>6/30/99</u>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	STATE ASSIGNED ID [_ _ _ _]
	STATE CODE [3 9]
	SHRP SECTION ID [0 2 6 5]

721

HIGHWAY RT. NO. (THIS SESSION) 23 MILEPOST NO. (THIS SESSION) 11.0

LOCATION (THIS COUNT) Delaware 23 Waldo

FILENAME C390265.G19 DISK/TAPE ID _____

BEGINNING DATE May 1, 1999 BEGINNING TIME 00:00

ENDING DATE Sept 1, 1999 ENDING TIME 23:59

COUNT DURATION 106 [] HOURS [☒] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER* _____ #BINS _____

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

* IF OTHER IS SELECTED PROVIDE NAME OF SHA CLASSIFICATION SCHEME _____

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT ☒

EQUIPMENT MAKE/MODEL # Toledo Scales

SENSOR TYPE load cells scale

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED. 614-752-5750

NAME OF PREPARER <u>Diane Bosso</u>	PHONE # <u>614-752-4058</u>
DATE PREPARED <u>3/31/00</u>	

Diane Bosso

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	STATE ASSIGNED ID [_ _ _ _]
	STATE CODE [3 9]
	SHRP SECTION ID [@ 2 6 5]

721

HIGHWAY RT. NO. (THIS SESSION) 23 MILEPOST NO. (THIS SESSION) 11.0

LOCATION (THIS COUNT) Delaware 23 Waldo

FILENAME C390265.K59 DISK/TAPE ID _____

BEGINNING DATE Sept 5, 1999 BEGINNING TIME 00:00

ENDING DATE Dec 31, 1999 ENDING TIME 23:59

COUNT DURATION 69 [] HOURS [☒] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER* _____ #BINS _____

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

* IF OTHER IS SELECTED PROVIDE NAME OF SHA CLASSIFICATION SCHEME _____

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT ☒

EQUIPMENT MAKE/MODEL # Toledo Scales

SENSOR TYPE load cells scale

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

614-752-5750

NAME OF PREPARER <u>Diane Bosso</u>	PHONE # <u>614-752-5750</u>
DATE PREPARED <u>3/31/00</u>	

Diane Bosso

Cond 7. 721

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	STATE ASSIGNED ID [_ _ _ _]
	STATE CODE [2 9]
	SHRP SECTION ID [0 2 6 5]

HIGHWAY RT. NO. (THIS SESSION) 45-23

MILEPOST NO. OR LOCATION (THIS SESSION) 11.0

FILENAME W3902651C19 DISK/TAPE ID _____

BEGINNING DATE Jan 1 99 BEGINNING TIME 00:00

ENDING DATE Apr 30 99 ENDING TIME 24:00

COUNT DURATION 120 [] HOURS [☒] DAYS [] MONTHS 120 files

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

EQUIPMENT MAKE/MODEL# Toledo Scales

SENSOR TYPE Load Cell

NAME OF SHA CLASSIFICATION SCHEME: FHWA Scheme 'F'

METHOD OF CALIBRATION AND FREQUENCY: Seasonal

COMMENTS _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Andrew Williams Jr</u>	PHONE # <u>(614) 752-4058</u>
DATE PREPARED <u>6/30/99</u>	

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	STATE ASSIGNED ID [_ _ _ _]
	STATE CODE [39]
	SHRP SECTION ID [0265]

HIGHWAY RT. NO. (THIS SESSION) DEL 23

MILEPOST NO. OR LOCATION (THIS SESSION) 11.0

FILENAME W39 0265.G19 DISK/TAPE ID _____

BEGINNING DATE May 1, 1999 BEGINNING TIME 00:00

ENDING DATE Sept 1, 1999 ENDING TIME 23:59

COUNT DURATION 106 [] HOURS [☒] DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# Toledo Scale

SENSOR TYPE load cell

NAME OF SHA CLASSIFICATION SCHEME: FHWA Scheme "F"

METHOD OF CALIBRATION AND FREQUENCY: seasonal

COMMENTS _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Diane Buso</u>	PHONE # <u>614-752-5750</u>
DATE PREPARED <u>3/31/00</u>	

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	STATE ASSIGNED ID [_ _ _ _]
	STATE CODE [39]
	SHRP SECTION ID [0265]

HIGHWAY RT. NO. (THIS SESSION) DEL 23

MILEPOST NO. OR LOCATION (THIS SESSION) 11.0

FILENAME W390265.K59 DISK/TAPE ID _____

BEGINNING DATE Sept 5, 1999 BEGINNING TIME 00:00

ENDING DATE Dec 31, 1999 ENDING TIME 23:59

COUNT DURATION 91 [] HOURS [☒] DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# Toledo Scale

SENSOR TYPE load cell

NAME OF SHA CLASSIFICATION SCHEME: FAWA Scheme F

METHOD OF CALIBRATION AND FREQUENCY: seasonal

COMMENTS _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Diane Boso</u>	PHONE # <u>614-752-5750</u>
DATE PREPARED <u>3/31/00</u>	

*STATE ASSIGNED ID [_____]
 *STATE CODE [39]
 *SHRP SECTION ID [0265]

0200
28

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [09/17/1999]

2. * TYPE OF EQUIPMENT CALIBRATED X WIM CLASSIFIER BOTH

3. * REASON FOR CALIBRATION

<input checked="" type="checkbox"/> REGULARLY SCHEDULED SITE VISIT	<input type="checkbox"/> RESEARCH
<input type="checkbox"/> EQUIPMENT REPLACEMENT	<input type="checkbox"/> TRAINING
<input type="checkbox"/> DATA TRIGGERED SYSTEM REVISION	<input type="checkbox"/> NEW EQUIPMENT INSTALLATION
<input type="checkbox"/> OTHER (SPECIFY) _____	

ENTERED NOV 19 2003

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

<input type="checkbox"/> BARE ROUND PIEZO CERAMIC	<input type="checkbox"/> BARE FLAT PIEZO	<input type="checkbox"/> BENDING PLATES
<input type="checkbox"/> CHANNELIZED ROUND PIEZO	<input checked="" type="checkbox"/> LOAD CELLS	<input type="checkbox"/> QUARTZ PIEZO
<input type="checkbox"/> CHANNELIZED FLAT PIEZO	<input type="checkbox"/> INDUCTANCE LOOPS	<input type="checkbox"/> CAPACITANCE PADS
<input type="checkbox"/> OTHER (SPECIFY) _____		

5. EQUIPMENT MANUFACTURER Mettler-Toledo

6.** CALIBRATION TECHNIQUE USED:

___ TRAFFIC STREAM -- ___ STATIC SCALE (Y/N) X TEST TRUCKS

____ NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED

5 PASSES PER TRUCK

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

TRUCK	TYPE	SUSPENSION
1	9	1
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

STANDARD DEVIATION

STANDARD DEVIATION _____

STANDARD DEVIATION _____

8. NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 50-55

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

11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) N

IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: _____

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: Andrew Williams

CONTACT INFORMATION: 614-752-4059

rev. November 9, 1999