

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[       ]
	*STATE CODE	[ 37 ]
	*SHRP SECTION ID	[ 5826 ]

HIGHWAY RT. NO. (THIS COUNT) I-77

MILEPOST NO. OR LOCATION (THIS COUNT) 98.22

FILE NAME C375826.LGD DISK ID \_\_\_\_\_

BEGINNING DATE 10/17/03 BEGINNING TIME 0000

ENDING DATE 10/25/03 ENDING TIME 2400

COUNT DURATION 9 [ ] 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# Peek ADR-3000

SENSOR TYPE Bare flat piezo.

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: \_\_\_\_\_

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) \_\_\_\_\_

COMMENTS: \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER	<u>Michael H. Ashbrook</u>	PHONE: <u>919-733-4796</u>
DATE PREPARED	<u>2/18/04</u>	Revised November 11, 1999

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b> <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[     ]
	*STATE CODE	[ 37 ]
	*SHRP SECTION ID	[ 5826 ]

HIGHWAY RT. NO. (THIS COUNT) I-77

MILEPOST NO. OR LOCATION (THIS COUNT) 98.22

FILE NAME C375826.LQD DISK ID \_\_\_\_\_

BEGINNING DATE 10/27/03 BEGINNING TIME 0000

ENDING DATE 12/31/03 ENDING TIME 2400

COUNT DURATION 66 [ ] 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# Peek ADR-3000

SENSOR TYPE Bare flat piezo.

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: \_\_\_\_\_

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) \_\_\_\_\_

COMMENTS: \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER	<u>Michael H. Ashbrook</u>	PHONE: <u>919-733-4796</u>
DATE PREPARED	<u>2/18/04</u>	Revised November 11, 1999

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ _____ ]
	*STATE CODE	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>5826</u> ]

HIGHWAY RT. NO. (THIS SESSION) I-77

MILEPOST NO. OR LOCATION (THIS SESSION) 98.22

FILE NAME W375826.M1D DISK ID \_\_\_\_\_

BEGINNING DATE 11/1/03 BEGINNING TIME 0000

ENDING DATE 11/7/03 ENDING TIME 2400

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

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

EQUIPMENT MAKE/MODEL# Peek ADR-3000

SENSOR TYPE Bare flat 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 7-card FHWA 13 bin cols. 20-21

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: Self calibration factor adjusted hourly on predominate vehicle class at the site.

COMMENTS Automatic calibration capabilities

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER	<u>Michael H. Ashbrook</u>	PHONE: <u>919-733-4796</u>
DATE PREPARED	<u>2/18/04</u>	Revised February 21, 2000

<b>SHEET 14</b> <b>LTPP TRAFFIC DATA</b> <b>EQUIPMENT INSTALLATION</b> <b>LOG</b>	*STATE ASSIGNED ID    [    _____    ]	LOCATION <u>  I77 at MM 98.5  </u>
	*STATE CODE                    [ <u>  37  </u> ]	INSTALLATION DATE <u>      10/03/03      </u>
	*SHRP SECTION ID            [ <u> 5826  </u> ]	

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit			
Interface			
Modem			
Loop Amplifiers			
Other _____			
Sensor(s) / Platform(s)			
LTPP Lane Sensor	BARE FLAT PIEZO	MSI	
Sensor Next Adjacent Lane (1)	BARE FLAT PIEZO	MSI	
Sensor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package			
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane I	6'x6' 4 TURN INDUCTIVE LOOP		
Downstream - Lane I	6'x6' 4 TURN INDUCTIVE LOOP		
Upstream - Other Lanes			
Downstream - Other Lanes			

revised November  
11, 1999)

SITE CALIBRATION INFORMATION

ENTERED MAY 03 2004

1. \*DATE OF CALIBRATION (MONTH/DAY/YEAR) [ 10 / 22 / 03 ]
2. \*TYPE OF EQUIPMENT CALIBRATED WIM CLASSIFIER X BOTH
3. \*REASON FOR CALIBRATION  
REGULARLY SCHEDULED SITE VISIT  
X EQUIPMENT REPLACEMENT  
DATA TRIGGERED SYSTEM REVISION  
RESEARCH  
TRAINING  
NEW EQUIPMENT INSTALLATION
4. \*SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):  
BARE ROUND PIEZO CERAMIC X BARE FLAT PIEZO BENDING PLATES  
CHANNELIZED ROUND PIEZO LOAD CELLS QUARTZ PIEZO  
CHANNELIZED FLAT PIEZO INDUCTANCE LOOPS CAPACITANCE PADS  
OTHER (SPECIFY)
5. EQUIPMENT MANUFACTURER PEEK Traffic

WIM SYSTEM CALIBRATION SPECIFICS\*\*

- 6.\*\* CALIBRATION TECHNIQUE USED:  
TRAFFIC STREAM STATIC SCALE (Y/N) X TEST TRUCKS  
NUMBER OF TRUCKS COMPARED NUMBER OF TEST TRUCKS USED  
PASSES PER TRUCK  
TRUCK TYPE SUSPENSION  
1 9 1  
2  
3  
TYPE PER FHWA 13 BIN SYSTEM  
SUSPENSION: 1 – AIR; 2 – LEAF SPRING  
3 – OTHER (DESCRIBE)
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
MEAN DIFFERENCE BETWEEN - -  
DYNAMIC AND STATIC GVW 2 . 05 STANDARD DEVIATION 1 . 6  
DYNAMIC AND STATIC SINGLE AXLES 5 . 76 STANDARD DEVIATION 4 . 0  
DYNAMIC AND STATIC DOUBLE AXLES . 13 STANDARD DEVIATION 6 . 46
8. ) NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 65
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 1 . 000
- 11.\*\* IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y  
IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: TMB Lane: class 9, Axle 1, 10,300/65

CLASSIFIER TEST SPECIFICS\*\*\*

- 12.\*\*\* METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:  
VIDEO X MANUAL PARRALLEL CLASSIFIERS
13. METHOD TO DETERMINE LENGTH OF COUNT X TIME NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:  
\*\*\* FHWA CLASS 9 1.0 FHWA CLASS  
\*\*\* FHWA CLASS 8 .8 FHWA CLASS  
FHWA CLASS  
FHWA CLASS  
\*\*\* PERCENT UNCLASSIFIED VEHICLES: 2 . 7