

**SHEET 10  
LTPP TRAFFIC DATA**

**TRAFFIC VOLUME AND LOAD  
ESTIMATE UPDATE-NO SITE COUNT**

\*STATE ASSIGNED ID [ ]

\*STATE CODE [ 37 ]

\*SHRP SECTION ID [ 1352 ]

ENTERED APR 24 2003

**1. ANNUAL TRAFFIC ESTIMATES**

*YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT LTPP LANE	*ESTIMATED TOTAL TRUCKS AADT LTPP LANE	*ESTIMATED ESAL'S/YRLTPP LANE (1000'S)
2000	<del>3120</del> 9592	<del>814</del> 1193	<del>624</del> 2663	<del>261</del> 332	<del>46</del> 97

**2. METHOD FOR ESTIMATING TOTAL VEHICLE AADT  
(TWO-WAY)**

- ☐ Growth factored last year's estimate. (6)  
☐ Estimated based on volume counts at nearby locations.  
(3)  
☐ Used computerized network analyses. (4)  
☐ Factored a single count taken this year at the LTPP site.  
(1)  
☐ Average multiple counts taken this year at the LTPP site.  
(2)  
☐ Average and factored multiple count taken this year at  
the LTPP site. (5)  
☐ Used flow maps. (7)  
☒ Other: (8) Used counts from the site.

**3. METHOD FOR ESTIMATING TOTAL TRUCK AADT  
(TWO-WAY)**

- ☒ Used system averages from counts taken this year. (6)  
☐ Used count data from nearby sites. (3)  
☐ Used count data from previous years at the LTPP site. (7)  
☐ Used system averages from previous years. (9)  
☐ Used computerized network analyses. (4)  
☐ Used a single count taken this year at the LTPP site. (5)  
☐ Factored a single count taken this year at the LTPP site.  
(4)  
☐ Averaged multiple counts taken this year at the LTPP  
site. (2)  
☐ Other: (10)

**4. METHOD FOR ESTIMATING TOTAL VEHICLES  
LTPP LANE AADT**

- ☒ System distribution factors. (2)  
☐ Based on actual lane count data. (1)  
☐ Other: (3)

**\*5 METHOD FOR ESTIMATING TOTAL TRUCKS,  
LTPP LANE, AADT**

- ☒ System distribution factors. (2)  
☐ Based on actual lane data count. (1)  
☐ Other: (3)

**\*6. METHOD FOR ESTIMATING ESAL//YEAR  
IN LTPP LANE**

- ☒ ESAL/Truck factor (1)  
☐ ESAL/Vehicle class. (2) (No. of classes) \_\_\_\_\_  
☐ ESAL/Axle(3) Sing. \_\_\_ Tand. \_\_\_ Tri. \_\_\_  
☐ Other: (4)

**7. ESAL ESTIMATES .SOURCE OF DATA**

- ☐ Weight data collected at LTPP site prior years. (2)  
☐ Weight data from system averages this year. (3)  
☐ Weight data from system averages prior years. (4)  
☐ Weight data from historic W-4 Tables used. (5)  
☒ Other: (6)

**8. WEIGHT SCALE TYPE**

- ☐ WIM scale. (1)  
☐ Static scale used for enforcement. (2)  
☐ Static scale not used for enforcement. (3)  
☒ Other: (4) None.

ENTERED APR 05 2003

NAME OF PREPARER Michael H. Ashbrook

DATE PREPARED 2/27/01

PHONE 919-733-4796

rev. February 21, 2000

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b> <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ _____ ]
	*STATE CODE	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>1352</u> ]

HIGHWAY RT. NO. (THIS COUNT) US 52

MILEPOST NO. OR LOCATION (THIS COUNT) 20.64

FILENAME C371352.f3a DISK ID \_\_\_\_\_

BEGINNING DATE 4/3/00 BEGINNING TIME 0000

ENDING DATE 6/30/00 ENDING TIME 2400

COUNT DURATION 89 [ ] 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# 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>7/27/00</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	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>1352</u> ]

HIGHWAY RT. NO. (THIS COUNT) US 52

MILEPOST NO. OR LOCATION (THIS COUNT) 20.64

FILENAME C371352.I1A DISK ID \_\_\_\_\_

BEGINNING DATE 7/1/00 BEGINNING TIME 0000

ENDING DATE 8/5/00 ENDING TIME 2400

COUNT DURATION 36 [ ] HOURS [ X ] DAYS [ ] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER \_\_\_\_\_

NAME OF AGENCY CLASSIFICATION SCHEME \_\_\_\_\_ NO. OF BINS: \_\_\_\_\_

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRPILTPP, 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 \_\_\_\_\_

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NAME OF PREPARER <u>Michael H. Ashbrook</u>	PHONE <u>919-733-4796</u>
DATE PREPARED <u>11/14/00</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	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>1352</u> ]

HIGHWAY RT. NO. (THIS COUNT) US 52

MILEPOST NO. OR LOCATION (THIS COUNT) 20.64

FILENAME C371352.J8A DISK ID \_\_\_\_\_

BEGINNING DATE 8/8/00 BEGINNING TIME 0000

ENDING DATE 9/30/00 ENDING TIME 2400

COUNT DURATION 53 [ ] 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 \_\_\_\_\_

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<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b> <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ _____ ]
	*STATE CODE	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>1352</u> ]

HIGHWAY RT. NO. (THIS COUNT) US 52

MILEPOST NO. OR LOCATION (THIS COUNT) 20.64

FILENAME C371352.L1A DISK ID \_\_\_\_\_

BEGINNING DATE 10/1/00 BEGINNING TIME 0000

ENDING DATE 11/4/00 ENDING TIME 2400

COUNT DURATION 35 [ ] 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 \_\_\_\_\_

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NAME OF PREPARER <u>Michael H. Ashbrook</u>	PHONE <u>919-733-4796</u>
DATE PREPARED <u>2/27/01</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	[ <u>37</u> ]
	*SHRP SECTION ID	[ <u>1352</u> ]

HIGHWAY RT. NO. (THIS COUNT) US 52

MILEPOST NO. OR LOCATION (THIS COUNT) 20.64

FILENAME C371352.M7A DISK ID \_\_\_\_\_

BEGINNING DATE 11/7/00 BEGINNING TIME 0000

ENDING DATE 12/31/00 ENDING TIME 2400

COUNT DURATION 55 [ ] 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 \_\_\_\_\_

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NAME OF PREPARER <u>Michael H. Ashbrook</u>	PHONE <u>919-733-4796</u>
DATE PREPARED <u>2/27/01</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 [ 37 ]
	*SHRP SECTION ID [ 1352 ]

HIGHWAY RT. NO. (THIS SESSION) US 52

MILEPOST NO. OR LOCATION (THIS SESSION) 20.64

FILENAME W371352.f3a DISK ID \_\_\_\_\_

BEGINNING DATE 4/3/00 BEGINNING TIME 0000

ENDING DATE 4/9/00 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 on 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 Michael H. Ashbrook PHONE 919-733-4796

DATE PREPARED 7/27/00

revised February 21,2000

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	-STATE ASSIGNED ID [ _____ ]
	*STATE CODE [ 37 ]
	*SHRP SECTION ID [ 1352 ]

HIGHWAY RT. NO. (THIS SESSION) US 52

MILEPOST NO. OR LOCATION (THIS SESSION) 20.64

FILENAME W371352.K1A DISK ID \_\_\_\_\_

BEGINNING DATE 9/1/00 BEGINNING TIME 0000

ENDING DATE 9/7/00 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 \_\_\_\_\_

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METHOD OF CALIBRATION AND FREQUENCY: Self calibration factor adjusted on hourly on predominate Vehicle class at the site.

COMMENTS Automatic calibration capabilities

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NAME OF PREPARER Michael H. Ashbrook PHONE 919-733-4796

DATE PREPARED 11/14/00 revised February 21,2000



<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	STATE ASSIGNED ID [ _____ ]
	*STATE CODE [ 37 ]
	*SHRP SECTION ID [ 1352 ]

HIGHWAY RT. NO. (THIS SESSION) US 52

MILEPOST NO. OR LOCATION (THIS SESSION) 20.64

FILENAME W371352.NFA DISK ID \_\_\_\_\_

BEGINNING DATE 12/16/00 BEGINNING TIME 0000

ENDING DATE 12/22/00 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 on 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 Michael H. Ashbrook PHONE 919-733-4796  
DATE PREPARED 2/27/01 revised February 21,2000

**SHEET 14**  
**LTPP TRAFFIC DATA**  
**EQUIPMENT INSTALLATION LOG**

\*STATE ASSIGNED ID [       ]  
\*STATE CODE [ 37 ]  
\*SHRP SECTION ID [ 1352 ]

LOCATION .1 Miles North of NC 8-740

DATE OF INSTALLATION 3/22/00

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and Peripheral Equipment			
Control Unit	ADR-3000	PEEK TRAFFIC, INC.	10790 0006
Interface			
Modem	DC POWERED 14.4 BPS	MICRO-AIDE	11140 0001
Loop Amplifiers	SL58P	PEEK TRAFFIC, INC.	10790 0006
Other WIM	SW58P	PEEK TRAFFIC, INC.	10790 0006
Sensor(s) / Platform(s)			
GPS Lane Sensor	PIEZO CABLE	AMP	
Sensor Next Adjacent Lane (1)	PIEZO CABLE	AMP	
Sensor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other:			
Software			
Complete Package	TDP VER. 3.32, VISA WIM VER. 1.49, TMG VER.4.0C		
Axle Spacing Algorithm Only			
Other			
Loops			
Upstream - Lane 1	6' X 6' 4 TURN INDUCTIVE LOOP		
Downstream - Lane 1			
Upstream - Other Lanes	6' X 6' 4 TURN INDUCTIVE LOOP		
Downstream - Other Lanes			