

SHEET 12
TRAFFIC DATA
COLLECTION SITE

STATE ASSIGNED ID
STATE CODE
SHRP SECTION ID
EFFECTIVE DATE

24
0500
03/24/99

HIGHWAY RT. NO. US15 MILEPOST NO. 4.46

LOCATION 1.0 MI N OF BASFORD ROAD

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS 13

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE X PERMANENT

AVC EQUIPMENT MAKE / MODEL NO. DIAMOND/UNICORN

SENSOR TYPE TUBES

WEIGHT SCALE TYPE: PORT. WIM PERM. WIM OTHER

EQUIPMENT MAKE / MODEL NO.

SENSOR TYPE

METHOD OF CALIBRATION: MANUAL

FREQUENCY OF CALIBRATION:

COMMENTS:

NAME OF PREPARER MCV Associates, Inc. PHONE NO. 703-914-4850

DATE PREPARED 3/24/99

SHEET 12
TRAFFIC DATA
COLLECTION SITE

STATE ASSIGNED ID
STATE CODE
SHRP SECTION ID
EFFECTIVE DATE

24
0500
04/13/99

HIGHWAY RT. NO. US15 MILEPOST NO. 4.46

LOCATION 1.0 MI N OF BASFORD ROAD

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS 13

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE X PERMANENT

AVC EQUIPMENT MAKE / MODEL NO. DIAMOND/UNICORN

SENSOR TYPE TUBES

WEIGHT SCALE TYPE: PORT. WIM PERM. WIM OTHER

EQUIPMENT MAKE / MODEL NO.

SENSOR TYPE

METHOD OF CALIBRATION: MANUAL

FREQUENCY OF CALIBRATION:

COMMENTS:

NAME OF PREPARER MCV Associates, Inc. PHONE NO. 703-914-4850
DATE PREPARED 4/15/99

**SHEET 12
TRAFFIC DATA
COLLECTION SITE**STATE ASSIGNED ID
STATE CODE
SHRP SECTION ID
EFFECTIVE DATE24
0500
05/25/99HIGHWAY RT. NO. US 15 MILEPOST NO. 4.46LOCATION US 15 1.0 MILES NORTH OF BASFORD RDVEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE X PERMANENT AVC EQUIPMENT MAKE / MODEL NO. PEEK ADR 1000SENSOR TYPE AIR ROAD TUBEWEIGHT SCALE TYPE: PORT. WIM PERM. WIM OTHER EQUIPMENT MAKE / MODEL NO. SENSOR TYPE METHOD OF CALIBRATION: PEEK TRAFFIC INC. VALIDATIONFREQUENCY OF CALIBRATION: SEMI - ANNUALCOMMENTS: THIS COUNT WAS DONE IN MAY

NAME OF PREPARER

MIKE GIBEAUPHONE NO. (410) 312-0966

DATE PREPARED

6/22/99

SHEET 12
TRAFFIC DATA
COLLECTION SITE

STATE ASSIGNED ID
STATE CODE
SHRP SECTION ID
EFFECTIVE DATE

24 — —
0500
06 / 16 / 99

HIGHWAY RT. NO. **US 15**

Milepost 4.46

LOCATION **1 MILE NORTH OF BASFORD RD**

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☐ #BINS **13**

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE ☒ PERMANENT ☐

AVC EQUIPMENT MAKE / MODEL NO. **MITRON / MSC3000 (1 UNIT PER LANE)**

SENSOR TYPE **LPH ROAD TUBE (TMT Blockers if 3 lanes or more per direction)**

WEIGHT SCALE TYPE: PORT. WIM ☐ PERM. WIM ☐ OTHER ☐

EQUIPMENT MAKE / MODEL NO.

SENSOR TYPE

METHOD OF CALIBRATION:

FREQUENCY OF CALIBRATION:

COMMENTS:

NAME OF PREPARER: **ROY COLQUITT**

PHONE NO.: **(410)381-1995**

DATE PREPARED **June 28, 1999**

**SHEET 12
TRAFFIC DATA
COLLECTION SITE**STATE ASSIGNED ID
STATE CODE
SHRP SECTION ID
EFFECTIVE DATE24
0500
07/07/99✓ HIGHWAY RT. NO. US 15 MILEPOST NO. 4.46✓ LOCATION US 15 1.0 MILES NORTH OF BASFORD RD.✓ VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS ✓ TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE X PERMANENT ✓ AVC EQUIPMENT MAKE / MODEL NO. PEEK ADR 1000✓ SENSOR TYPE ROAD TUBEWEIGHT SCALE TYPE: PORT. WIM PERM. WIM OTHER EQUIPMENT MAKE / MODEL NO. SENSOR TYPE ✓ METHOD OF CALIBRATION: PEEK TRAFFIC INC. VALIDATION✓ FREQUENCY OF CALIBRATION: SEMI - ANNUALCOMMENTS:

 ✓ NAME OF PREPARER MICHAEL GIBEAU PHONE NO. (410) 312-0966
✓ DATE PREPARED 8/4/99

SHEET 12
TRAFFIC DATA
COLLECTION SITE

STATE ASSIGNED ID
STATE CODE
SHIP SECTION ID
EFFECTIVE DATE

24
0500
08/17/99

HIGHWAY RT. NO. US 15 MILEPOST NO. 4.46

LOCATION .10 Mile North of Basford Road

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS 13

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE X PERMANENT

AVC EQUIPMENT MAKE / MODEL NO. Mitron/MSC 3000

SENSOR TYPE Tubes

WEIGHT SCALE TYPE: PORT. WIM PERM. WIM OTHER

EQUIPMENT MAKE / MODEL NO.

SENSOR TYPE

METHOD OF CALIBRATION: Factory Done

FREQUENCY OF CALIBRATION: As needed

COMMENTS:

NAME OF PREPARER Daniel Consultants PHONE NO. 410.995.0090
DATE PREPARED 9/9/99

SHEET 12
TRAFFIC DATA
COLLECTION SITE

STATE ASSIGNED ID

STATE CODE

SHRP SECTION ID

EFFECTIVE DATE

24650009/07/99

✓ HIGHWAY RT. NO. US 15 MILEPOST NO. 4.46

✓ LOCATION 1.0 MILES NORTH OF BASFORD Rd.

✓ VEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS

✓ TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE X PERMANENT

✓ AVC EQUIPMENT MAKE / MODEL NO. PEEK ADR 1000

✓ SENSOR TYPE ROAD TUBE

WEIGHT SCALE TYPE: PORT. WIM PERM. WIM OTHER

EQUIPMENT MAKE / MODEL NO.

SENSOR TYPE

✓ METHOD OF CALIBRATION: PEEK TRAFFIC VALIDATION

✓ FREQUENCY OF CALIBRATION: SEMI-ANNUAL

COMMENTS:

NAME OF PREPARER

MIKE GIBSON

PHONE NO.

DATE PREPARED

9/30/99

10/25/1999 10:01

410095033

SHA WISD

PAGE 04.11

SHEET 12	STATE ASSIGNED ID	
TRAFFIC DATA	STATE CODE	<u>24</u>
COLLECTION SITE	SHRP SECTION ID	<u>0500</u>
	EFFECTIVE DATE	<u>11/09/99</u>

HIGHWAY RT. NO. US 15 MILEPOST NO. 4.46LOCATION 1.0 MI N OF BASFORD ROADVEHICLE CLASSIFICATION METHOD: FHWA X OTHER #BINS 15TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE X PERMANENT AVC EQUIPMENT MAKE / MODEL NO. JAMAR TECH, INC / TRAX ISENSOR TYPE TUBESWEIGHT SCALE TYPE: PORT. WIM PERM. WIM OTHER EQUIPMENT MAKE / MODEL NO. SENSOR TYPE METHOD OF CALIBRATION: FIELD TEST ON SITE WITH KNOWN DATAFREQUENCY OF CALIBRATION: 6 MONTHSCOMMENTS:

NAME OF PREPARER

DATE PREPARED

PHONE NO.

Beghi Danner 410-730-1001
Dec. 13/1999

**SHEET 12
TRAFFIC DATA
COLLECTION SITE**STATE ASSIGNED ID
STATE CODE
SHRP SECTION ID
EFFECTIVE DATE24
0500
12107199

HIGHWAY RT. NO. US 15

Milepost 4.46

LOCATION 1 MILE NORTH OF BASFORD RD

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☐ #BINS 13TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE ☒ PERMANENT ☐

AVC EQUIPMENT MAKE / MODEL NO. MITRON MSC 3000

SENSOR TYPE TMTI LPH ROAD TUBE

WEIGHT SCALE TYPE: PORT. WIM ☐ PERM. WIM ☐ OTHER ☐

EQUIPMENT MAKE / MODEL NO.

SENSOR TYPE

METHOD OF CALIBRATION: N/A

FREQUENCY OF CALIBRATION: N/A

COMMENTS:

NAME OF PREPARER:

Theresa Grisez

PHONE NO.:

(410)381-1995

DATE PREPARED:

December 15, 1999

SHEET 13	STATE	MARYLAND
TRAFFIC DATA FILES		
TRANSMITTAL FORM	STATE CODE	24

[illegible]

Name of preparer	<u>Barry Balzanna</u>	Phone No.	<u>410-545-5509</u>
Date prepared	<u>10/06/1999</u>		

SHEET 13	STATE	MARYLAND
TRAFFIC DATA FILES		
TRANSMITTAL FORM	STATE CODE	24

FILE NAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS. SCHEME
V241634.JA9	08/11/1999	0000	08/16/1999	2400	N/A
V241634.KE9	09/15/1999	0000	10/31/1999	2400	N/A
V241634.M29	11/02/1999	0000	11/15/1999	2400	N/A
V241634.MH9	11/18/1999	0000	12/05/1999	2400	N/A
V241634.N79	12/07/1999	0000	12/31/1999	2400	N/A
V242401.J19	08/01/1999	0000	08/13/1999	2400	N/A
V242401.K09	09/10/1999	0000	10/31/1999	2400	N/A
V242401.M29	11/02/1999	0000	11/15/1999	2400	N/A
V242401.MG9	11/17/1999	0000	12/02/1999	2400	N/A
V242401.N49	12/04/1999	0000	12/05/1999	2400	N/A
V242401.N79	12/07/1999	0000	12/31/1999	2400	N/A
V241632.J19	08/01/1999	0000	10/31/1999	2400	N/A
V241632.M29	11/02/1999	0000	11/15/1999	2400	N/A
V241632.MG9	11/17/1999	0000	12/02/1999	2400	N/A
V241632.N49	12/04/1999	0000	12/05/1999	2400	N/A
V241632.N79	12/07/1999	0000	12/31/1999	2400	N/A
V240500.K99	09/09/1999	0000	10/31/1999	2400	N/A
V240500.M29	11/02/1999	0000	11/02/1999	2400	N/A

Name of preparer	<u>Barry Balzanna</u>	Phone No.	<u>410-545-5509</u>
Date prepared	<u>01/06/00</u>		

SHEET 13
TRAFFIC DATA FILES
TRANSMITTAL FORM

STATE **MARYLAND**
STATE CODE **24**

FILE NAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS. SCHEME
C241634.LP9	10/26/1999	0000	10/27/1999	2400	F (13 BIN)
C242401.LP9	10/26/1999	0000	10/27/1999	2400	F (13 BIN)
C240500.M99	11/09/1999	0000	11/10/1999	2400	F (15 BIN)
C241632.M99	11/09/1999	0000	11/10/1999	2400	F (15 BIN)
C241634.M99	11/09/1999	0000	11/10/1999	2400	F (15 BIN)
C242401.M99	11/09/1999	0000	11/10/1999	2400	F (15 BIN)
C242805.M09	11/10/1999	0000	11/11/1999	2400	F (15 BIN)
C245807.M09	11/10/1999	0000	11/11/1999	2400	F (15 BIN)
C240500.N79	12/07/1999	0000	12/08/1999	2400	F (13 BIN)
C241632.N19	12/01/1999	0000	12/02/1999	2400	F (13 BIN)
C241634.N19	12/01/1999	0000	12/02/1999	2400	F (15 BIN)
C242401.N19	12/01/1999	0000	12/02/1999	2400	F (15 BIN)
C242805.N19	12/01/1999	0000	12/02/1999	2400	F (15 BIN)
C245807.N19	12/01/1999	0000	12/02/1999	2400	F (13 BIN)

Portals
 Use
 Day

Name of preparer Barry Balzanna Phone No. 410-545-5509
 Date prepared 01/06/00

SHEET 13

STATE

MARYLAND

TRAFFIC DATA FILES

STATE CODE

24

TRANSMITTAL FORM

FILE NAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS. SCHEME
C240500.MB9	11/12/1999	0000	11/15/1999	2400	F (15 BIN)
→ C240500.MH9	11/18/1999	0000	11/28/1999	2400	F (15 BIN)
C240500.MT9	11/30/1999	0000	11/30/1999	2400	F (15 BIN)
C240500.N29	12/02/1999	0000	12/05/1999	2400	F (15 BIN)
Problem: → * C240500.N79	12/07/1999	0000	12/31/1999	2400	F (15 BIN)
	12/07 - 12/08				
240500 .AB ID111299.WGT	11/12/1999	0000	11/12/1999	2400	
.MC ID111399.WGT	11/13/1999	0000	11/13/1999	2400	
.AD ID111499.WGT	11/14/1999	0000	11/14/1999	2400	
.AE ID111599.WGT	11/15/1999	0000	11/15/1999	2400	
.MH ID111899.WGT	11/18/1999	0000	11/18/1999	2400	
.MI ID111999.WGT	11/19/1999	0000	11/19/1999	2400	
.AJ ID112099.WGT	11/20/1999	0000	11/20/1999	2400	
.MK ID112199.WGT	11/21/1999	0000	11/21/1999	2400	
.ML ID112299.WGT	11/22/1999	0000	11/22/1999	2400	
.MM ID112399.WGT	11/23/1999	0000	11/23/1999	2400	
.MN ID112499.WGT	11/24/1999	0000	11/24/1999	2400	
.MO ID112599.WGT	11/25/1999	0000	11/25/1999	2400	
.MP ID112699.WGT	11/26/1999	0000	11/26/1999	2400	
.MQ ID112799.WGT	11/27/1999	0000	11/27/1999	2400	
.MR ID112899.WGT	11/28/1999	0000	11/28/1999	2400	

Name of preparer Barry Balzanna

Phone No. 410-545-5509

Date prepared 01/06/00

SHEET 14 LTPP TRAFFIC DATA EQUIPMENT INSTALLATION LOG	*STATE ASSIGNED ID	[_ _ _]	LOCATION <u>US 15-1mi N of Basford Rd</u> INSTALLATION DATE <u>Nov 1999</u>
	*STATE CODE	[2 4]	
	*SHRP SECTION ID	[0 5 0 0]	

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	ADR 3000	PEEK	792944
Interface	Telemetry	See software	
Modem	LPM-14-E	PEEK	104380001
Loop Amplifiers			
Other _____			
Sensor(s) / Platform(s)			
LTPP Lane Sensor	Class 1 piezo	MSI-bare flat	JBL4727, JBL4731
Sensor Next Adjacent Lane (1)	Class 1 piezo	MSI-bare flat	JBL5749, JBL5842
Senor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	The Data Processor (TDP)	PEEK	9443
Axle Spacing Algorithm Only	FHWA SCHEME F	PEEK	Default algorithm
Other _____			
Loops			
Upstream - Lane 1	Generic	4 wraps	
Downstream - Lane 1	Generic	4 wraps	
Upstream - Other Lanes	Generic	4 wraps	
Downstream - Other Lanes	Generic	4 wraps	

<p align="center">SHEET 16</p> <p align="center">LTPP MONITORED TRAFFIC DATA</p> <p align="center">SITE CALIBRATION SUMMARY</p>	*STATE ASSIGNED ID	[]
	*STATE CODE	[24]
	*SHRP SECTION ID	[0500]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [11 / 12 / 1999]
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 PEEK ADR 3000 Classifier / MSI PIEZO

ENTERED JUN 14 2002

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
☒ TRAFFIC STREAM ☐ STATIC SCALE (Y/N) ☐ TEST TRUCKS
025 NUMBER OF TRUCKS COMPARED N/A NUMBER OF TEST TRUCKS USED
N/A PASSES PER TRUCK
- | TRUCK | TYPE | SUSPENSION |
|-------|------------|------------|
| 1 | <u>N/A</u> | <u>N/A</u> |
| 2 | <u>N/A</u> | <u>N/A</u> |
| 3 | <u>N/A</u> | <u>N/A</u> |
- 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 N/A STANDARD DEVIATION ---
 DYNAMIC AND STATIC SINGLE AXLES N/A STANDARD DEVIATION ---
 DYNAMIC AND STATIC DOUBLE AXLES N/A STANDARD DEVIATION ---
8. N/A NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) N/A
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) Varies
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: Axle #1 of Type 9(3S-2)=10,000 lbs.

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 | <u>0</u> <u>7</u> <u>7</u> | FHWA CLASS | <u>10</u> | <u>0</u> <u>0</u> <u>1</u> <u>0</u> |
| *** FHWA CLASS 8 | <u>1</u> <u>3</u> <u>2</u> | FHWA CLASS | <u>7</u> | <u>0</u> <u>0</u> <u>0</u> <u>4</u> |
| | | FHWA CLASS | <u>6</u> | <u>0</u> <u>0</u> <u>1</u> <u>5</u> |
| | | FHWA CLASS | <u>5</u> | <u>0</u> <u>1</u> <u>7</u> <u>8</u> |
- *** PERCENT "UNCLASSIFIED" VEHICLES: 0 0

PERSON LEADING CALIBRATION EFFORT:	Barry Balzanna
CONTACT INFORMATION:	(410) 545-5509 rev. November 9, 1999