

<b>SHEET 10</b> <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME AND LOAD</b> <b>ESTIMATE UPDATE-NO SITE COUNT</b>	*STATE ASSIGNED ID <span style="border: 1px solid black; padding: 2px;">[    ]</span> *STATE CODE <span style="border: 1px solid black; padding: 2px;">[ 84 ]</span> *SHRP SECTION ID <span style="border: 1px solid black; padding: 2px;">[ 1802 ]</span>
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**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/YR LTPP LANE (1000'S)
<u>2001</u>	<u>6224</u>	<u>749</u>	<u>3167</u>	<u>381</u>	<u>379</u>

**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) \_\_\_\_\_

**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. (8)
- ☐ 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. (1)
- ☐ Averaged multiple counts taken this year at the LTPP site. (2)
- ☐ Other: (9) \_\_\_\_\_

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

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

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

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

**\*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) \_\_\_\_\_

NAME OF PREPARER <u>ABID IKRAM</u>	PHONE# _____
DATE PREPARED <u>OCT 27/2008</u>	rev. March 12, 2001

SHEET 11 LTPP TRAFFIC DATA  VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[ ]
	*STATE CODE	[84]
	*SHRP SECTION ID	[1002]

HIGHWAY RT. NO. (THIS COUNT) 11 MILEPOST NO. (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) 2.5 miles North of Shediac at Ste. Anne

FILENAME V841802.HTB DISK ID SHRP\TRAENBDOT\SHRP.ZIP

BEGINNING DATE 06/30/01 BEGINNING TIME \_\_\_\_\_

ENDING DATE 12/31/01 ENDING TIME \_\_\_\_\_

TYPE OF COUNT: TWO-WAY ☒ ONE-WAY \_\_\_\_\_ LTPP LANE \_\_\_\_\_

COUNT DURATION 185 [ ] HOURS ☒ DAYS [ ] MONTHS

TYPE OF SENSOR: \_\_\_\_\_ ROAD TUBES \_\_\_\_\_ PIEZO CABLE

\_\_\_\_\_ PIEZO FILM ☒ LOOPS \_\_\_\_\_ OTHER \_\_\_\_\_

EQUIPMENT MANUFACTURER/MODEL # LID 1540

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 LTPP LANE 50.3%  
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA)

SOURCE OF LTPP LANE DISTRIBUTION FACTOR ESTIMATE Yearly Statistics Summary (2000)

COMMENTS: See Sheet 12 for the 4-bin classification data that corresponds to the volume file above.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>George D. Thompson</u>	PHONE# <u>(506) 453-2754</u>
DATE PREPARED <u>April, 2002</u>	rev. November 9, 1999

<b>SHEET 12</b>	<b>STATE ASSIGNED ID</b>
<b>TRAFFIC DATA</b>	<b>STATE CODE</b> <u>84</u>
<b>COLLECTION SITE</b>	<b>SHRP SECTION ID</b> <u>1802</u>
	<b>EFFECTIVE DATE</b> <u>23-01-01</u>

Highway Rt. No **# 11**

Milepost No. **N/A**

Location: 2.5 miles north of Shediac at Ste. Anne

Vehicle Classification Method FHWA ☐ Other ☐ # Bins ☒ 4

Type of Classification Equipment: Portable ☒ Permanent ☐

AVC Equipment Make/Model No. **Golden River M600**

Sensor Type: Loops

Weight Scale Type Port. WIM: ☐ Perm WIM: ☐ Other: ☐

Equipment Make/Model No.:

Sensor Type

Method of Calibration:

Frequency of Calibration:

Comments:

The traffic volume data collected by New Brunswick Department of Transportation is divided into 4-Bin length classifications. This 4-Bin length classification is convertible to the 13 FHWA classes using New Brunswick Department of Transportation 's latest conversion table (supplied to LTPP-NARO) which uses NB's most recent algorithm to define our trucks.

Name of Preparer:	George Thompson	Phone No. : (506) 453-2754
Date Prepared:	January 23, 2001	

SHEET 12  
TRAFFIC DATA  
COLLECTION SITE

STATE ASSIGNED ID 000  
STATE CODE 84  
SHRP SECTION ID 1802  
EFFECTIVE DATE 23/01/01

HIGHWAY RT. NO. 11 MILEPOST NO. N/A

LOCATION Control section 4, 1.5 miles south of Gratton Rd Underpass

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☐ #BINS ☐

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE ☒ PERMANENT ☐

AVC EQUIPMENT MAKE / MODEL NO. IRD Portable WIM Model 1070

SENSOR TYPE Piezoelectric Road Sensors & Loops

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

EQUIPMENT MAKE / MODEL NO. IRD Portable WIM Model 1070

SENSOR TYPE Piezoelectric Road Sensors & Loops

METHOD OF CALIBRATION: Using a control vehicle with known weights & dimensions

FREQUENCY OF CALIBRATION: once per 96 hour continuous count

COMMENTS: A portable WIM was set up to collect data for a  
96 hour continuous time period from Wednesday to Sunday.  
Wednesday to Friday represented the weekday data. Friday  
to Sunday represented the weekend data.

NAME OF PREPARER George Thompson PHONE NO. (506) 453-2754  
DATE PREPARED January, 2001

SHEET 12  
TRAFFIC DATA  
COLLECTION SITE

STATE ASSIGNED ID  
STATE CODE  
SHRP SECTION ID  
EFFECTIVE DATE

94  
1802  
23/01/01

HIGHWAY RT. NO. 15 MILEPOST NO. N/A

LOCATION Control section 3, 5.3 km west of Route 11

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☐ #BINS ☐

TYPE OF CLASSIFICATION EQUIPMENT: PORTABLE ☒ PERMANENT ☐

AVC EQUIPMENT MAKE / MODEL NO. IRD Portable WIM Model 1070

SENSOR TYPE Piezoelectric Road Sensors & Loops

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

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SENSOR TYPE Piezoelectric Road Sensors & Loops

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FREQUENCY OF CALIBRATION: one per 96 hour continuous count

COMMENTS: A portable WIM was set up to collect data for a

96 hour continuous time period from Wednesday to Sunday.

Wednesday to Friday represented the weekday data. Friday

to Sunday represented the weekend data.

NAME OF PREPARER George Thompson

PHONE NO. (506) 453-2754

DATE PREPARED January, 2001

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ _ _ _ _ ]
	*STATE CODE	[ 24 ]
	*SHRP SECTION ID	[ 1802 ]

HIGHWAY RT. NO. (THIS COUNT) 11

MILEPOST NO. OR LOCATION (THIS COUNT) 2.5 miles North of Shediac at Ste. Anne

FILENAME 010108R.TXT to 010630R.TXT DISK ID BIN NB.DIST

BEGINNING DATE Jan 1, 2001 BEGINNING TIME 00:00

ENDING DATE June 30, 2001 ENDING TIME 23:00

COUNT DURATION 6 [ ] HOURS [ ] DAYS ☒ MONTHS

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

NAME OF AGENCY CLASSIFICATION SCHEME: Length Based NO. OF BINS 4

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# TRD/540

SENSOR TYPE Loops

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>George D. Thompson</u>	PHONE <u>(506) 453-2754</u>
DATE PREPARED <u>October, 2001</u>	revised November 11, 1999

NAME OF PREPARER George D. Thompson PHONE (504) 453-2754  
DATE PREPARED April, 2002 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	[84]
	*SHRP SECTION ID	[1802]

Classification from WIM

HIGHWAY RT. NO. (THIS COUNT) 11

MILEPOST NO. OR LOCATION (THIS COUNT) 2.5 miles north of Shediac at Ste. Anne

FILENAME C.841802.1nh DISK ID SHRP\WIM\NB\DOT\ST. Anne

BEGINNING DATE October 24, 2001 BEGINNING TIME 17:00

ENDING DATE October 28, 2001 ENDING TIME 17:00

COUNT DURATION 96 [x] HOURS [ ] DAYS [ ] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☐

NAME OF AGENCY CLASSIFICATION SCHEME: FHWA modified - PET NO. OF BINS 13

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# IRD/Model 1070

SENSOR TYPE Piezoelectric Road Sensors/Loops

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

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

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

COMMENTS The FHWA scheme for the portable WIM is different from the classification scheme for total volumes. The classification scheme for the permanent volume equipment is 4 length bins

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>George D. Thompson</u>	PHONE <u>(506) 453-2754</u>
DATE PREPARED <u>April, 2002</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	[84]
	*SHRP SECTION ID	[1802]

HIGHWAY RT. NO. (THIS SESSION) 11

MILEPOST NO. OR LOCATION (THIS SESSION) 2.5 miles north of Shediac at Ste. Anne

FILENAME W841802.lnb DISK ID SHRP\WIMNBDOT\ST.ANNE

BEGINNING DATE October 24, 2001 BEGINNING TIME 17:00

ENDING DATE October 28, 2001 ENDING TIME 17:00

COUNT DURATION 96 ☒ HOURS ☐ DAYS ☐ MONTHS

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

EQUIPMENT MAKE/MODEL# TRD/Model 1070

SENSOR TYPE Piezoelectric Road Sensors

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19 ☐ 7-card FHWA 13 bin in cols. 2-23 ☐  
 7-card 6 digit Truck Weight study ☐ W-card ☒ 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: Using a control vehicle with known weights and dimensions. Frequency is once per 96 hour continuous count.

COMMENTS Wednesday, October 24, 17:00 to Friday, October 26, 17:00 is considered to be a weekday sample. Friday, October 26, 17:00 to Sunday, October 28, 17:00 is considered to be a weekend sample.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER	<u>George D. Thompson</u>	PHONE	<u>(506) 453-2754</u>
DATE PREPARED	<u>April, 2002</u>	revised February 21, 2000	

ENTERED APR 14 2003

ROUTE 11

<p>SHEET 16</p> <p>LTPP MONITORED TRAFFIC DATA</p> <p>SITE CALIBRATION SUMMARY</p>	*STATE ASSIGNED ID	[0011]
	*STATE CODE	[84]
	*SHRP SECTION ID	[1802]

SITE CALIBRATION INFORMATION

- \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [10/24/2001]
- \* TYPE OF EQUIPMENT CALIBRATED ☒ WIM ☐ CLASSIFIER ☐ BOTH
- \* REASON FOR CALIBRATION  
☐ REGULARLY SCHEDULED SITE VISIT ☒ RESEARCH  
☐ EQUIPMENT REPLACEMENT ☐ TRAINING  
☐ DATA TRIGGERED SYSTEM REVISION ☐ NEW EQUIPMENT INSTALLATION  
☐ OTHER (SPECIFY) \_\_\_\_\_
- \* 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) 2-12' BL PIEZO WIM SENSORS TAPED TO ROAD
- EQUIPMENT MANUFACTURER International Road Dynamics

WIM SYSTEM CALIBRATION SPECIFICS\*\*

\*\*CALIBRATION TECHNIQUE USED:

☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS

☐ NUMBER OF TRUCKS COMPARED ☐ NUMBER OF TEST TRUCKS USED

20 PASSES PER TRUCK

TYPE PER FHWA 13 BIN SYSTEM

SUSPENSION: 1 - AIR; 2 - LEAF SPRING

3 - OTHER (DESCRIBE)

TRUCK	TYPE	SUSPENSION
1	Tractor	AIR
2	Trailer	Spring
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 1167.5 2.9

STANDARD DEVIATION 426.5 8.68

STANDARD DEVIATION 568.4 2.32

508.5

8. NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 105 KPH

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: \_\_\_\_\_

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 \_\_\_\_\_ FHWA CLASS \_\_\_\_\_

\*\*\* FHWA CLASS 8 \_\_\_\_\_ FHWA CLASS \_\_\_\_\_

\_\_\_\_\_ FHWA CLASS \_\_\_\_\_

\_\_\_\_\_ FHWA CLASS \_\_\_\_\_

\*\*\* PERCENT "UNCLASSIFIED" VEHICLES: \_\_\_\_\_

PERSON LEADING CALIBRATION EFFORT: Gerard Richard C.E.T. a Rick Crandall C.E.T.

CONTACT INFORMATION: \_\_\_\_\_ rev. November 9, 1999