

<b>SHEET 11</b> <b>LTPP TRAFFIC DATA</b>  <b>VOLUME DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ _ _ _ _ ]
	*STATE CODE	89
	*SHRP SECTION ID	1125

HIGHWAY RT. NO. (THIS COUNT) 40 MILEPOST NO. (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) 2,932 km west of the road 365

FILENAME V891125.D4C DISK ID 1<sup>st</sup> half of the Year 2002

BEGINNING DATE 02-04-2002 BEGINNING TIME 00:00

ENDING DATE 08-01-2002 ENDING TIME 00:00

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

COUNT DURATION 178 [ ] HOURS [ ☒ ] DAYS [ ] MONTHS

TYPE OF SENSOR: \_\_\_\_\_ ROAD TUBES 2 PIEZO CABLE

\_\_\_\_\_ PIEZO FILM 2 LOOPS \_\_\_\_\_ OTHER \_\_\_\_\_

EQUIPMENT MANUFACTURER/MODEL # IRD-1067

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 —  
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA)

SOURCE OF LTPP LANE DISTRIBUTION FACTOR ESTIMATE —

COMMENTS: No data for the period between 01-01-2002 to 02-04-2002 and 03-10-2002 to 03-26-02. The site had an electronic problem (hard disk).

**FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.**

NAME OF PREPARER <u>Nathalie P. Frey, ing. stag.</u>	PHONE# <u>(418) 644-9547</u>
DATE PREPARED <u>10-10-2002</u>	rev. November 9, 1999

<b>SHEET 11</b> <b>LTPP TRAFFIC DATA</b>  <b>VOLUME DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ _ _ _ _ ]
	*STATE CODE	89
	*SHRP SECTION ID	1125

HIGHWAY RT. NO. (THIS COUNT) 40 MILEPOST NO. (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) 2,932 km west of the road 365

FILENAME V891125.J1D DISK ID 2nd half of the Year 2002

BEGINNING DATE 08-01-2002 BEGINNING TIME 00:00

ENDING DATE 12-31-2002 ENDING TIME 00:00

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

COUNT DURATION 153 [ ] HOURS [ ☒ ] DAYS [ ] MONTHS

TYPE OF SENSOR: \_\_\_\_\_ ROAD TUBES 2 PIEZO CABLE

\_\_\_\_\_ PIEZO FILM 1 LOOPS \_\_\_\_\_ OTHER \_\_\_\_\_

EQUIPMENT MANUFACTURER/MODEL # IRD-1067

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 \_\_\_\_\_  
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA)

SOURCE OF LTPP LANE DISTRIBUTION FACTOR ESTIMATE \_\_\_\_\_

COMMENTS: OK

**FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.**

NAME OF PREPARER <u>Yolanda Garcia, ing. seg.</u>	PHONE# <u>(912) 644-9547</u>
DATE PREPARED <u>02-18-2003</u>	rev. November 9, 1999



<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b> <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ ] [ ] [ ] [ ]
	*STATE CODE	[89]
	*SHRP SECTION ID	[1125]

HIGHWAY RT. NO. (THIS COUNT) 40

MILEPOST NO. OR LOCATION (THIS COUNT) At 2,932 km west of the road 365

FILENAME C891125.J10 DISK ID 2<sup>nd</sup> half of the Year 2002

BEGINNING DATE 08-01-2002 BEGINNING TIME 00:00

ENDING DATE 12-31-2002 ENDING TIME 00:00

COUNT DURATION 153 [ ] HOURS [4] DAYS [ ] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ✓ OTHER       

NAME OF AGENCY CLASSIFICATION SCHEME: FHWA 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# TRD-1067

SENSOR TYPE 1 loop, 2 piezo cable

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:       

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS)       

COMMENTS For all the period, only 40% of GVW is classified.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Mattale R. [signature]</u>	PHONE <u>(413) 644-9547</u>
DATE PREPARED <u>02-18-2003</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	[ 8 9 ]
	*SHRP SECTION ID	[ 1 1 2 5 ]

HIGHWAY RT. NO. (THIS COUNT) 40

MILEPOST NO. OR LOCATION (THIS COUNT) At 2,932 km west of the road 365

FILENAME C891125.J10 DISK ID 2<sup>nd</sup> half of the Year 2002

BEGINNING DATE 08-01-2002 BEGINNING TIME 00:00

ENDING DATE 12-31-2002 ENDING TIME 00:00

COUNT DURATION 153 [ ] HOURS [ 4 ] DAYS [ ] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☐

NAME OF AGENCY CLASSIFICATION SCHEME: FHWA 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-1067

SENSOR TYPE 1 loop, 2 piezo cable

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: —

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) —

COMMENTS For all the period, only 40% of GVW is classified.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Mattale Aguirre, Jr.</u>	PHONE <u>(413) 644-9547</u>
DATE PREPARED <u>02-18-2003</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	89
	*SHRP SECTION ID	1125

HIGHWAY RT. NO. (THIS SESSION) 40

MILEPOST NO. OR LOCATION (THIS SESSION) At 2,932 km west of the road 365

FILENAME W891125.DAC DISK ID 1st half of the Year 2002

BEGINNING DATE 02-01-2002 BEGINNING TIME 00:00

ENDING DATE 08-01-2002 ENDING TIME 00:00

COUNT DURATION 178 [ ] HOURS [ ☒ ] DAYS [ ] MONTHS

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

EQUIPMENT MAKE/MODEL# IRD-1067

SENSOR TYPE 2 loops, 2 piezo cables

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 ☒ OTHER ☐

NAME OF AGENCY CLASSIFICATION SCHEME: FHWA NO. OF BINS B

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: The method uses a 10 passes of a test truck at the traffic flow speed. The frequency is one time a year or when necessary.

COMMENTS No data for period between 01-01-2002 and 02-01-2002 and between 03-10-2002 and 03-26-2002 due to hard disk failure. Until 04-13-2002, system has some difficulties in evaluating weight properly

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Thalita R. Jones, ing. stag.</u>	PHONE <u>(418) 644-9547</u>
DATE PREPARED <u>10-10-2002</u>	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	[ 29 ]
	*SHRP SECTION ID	[ 1125 ]

HIGHWAY RT. NO. (THIS SESSION) 40

MILEPOST NO. OR LOCATION (THIS SESSION) At 2.932 km west of the road 365

FILENAME W891125.J1D DISK ID 2<sup>nd</sup> half of the Year 2002

BEGINNING DATE 02-01-2002 BEGINNING TIME 00:00

ENDING DATE 12-31-2002 ENDING TIME 00:00

COUNT DURATION 153 [ ] HOURS [ 1 ] DAYS [ ] MONTHS

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

EQUIPMENT MAKE/MODEL# IRD-1067

SENSOR TYPE 1 loop, 2 piezo cable

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 ✓ OTHER       

NAME OF AGENCY CLASSIFICATION SCHEME: FHWA 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 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: The method uses a 10 passes of a test truck at the traffic flow speed. The frequency is one time a year or when necessary.

COMMENTS All weight's data are questionable.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Yvonne L. Lanning</u>	PHONE <u>(418) 644-9547</u>
DATE PREPARED <u>02-18-2002</u>	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	[89]
	*SHRP SECTION ID	[1] [1] [2] [5]

HIGHWAY RT. NO. (THIS SESSION) 40

MILEPOST NO. OR LOCATION (THIS SESSION) At 2.932 km west of the road 365

FILENAME W891125.570 DISK ID 2<sup>nd</sup> half of the Year 2002

BEGINNING DATE 08-01-2002 BEGINNING TIME 00:00

ENDING DATE 12-31-2002 ENDING TIME 00:00

COUNT DURATION 153 [ ] HOURS [ 1 ] DAYS [ ] MONTHS

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

EQUIPMENT MAKE/MODEL# IRD-1067

SENSOR TYPE 1 loop, 2 piezo cable

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 ✓ OTHER       

NAME OF AGENCY CLASSIFICATION SCHEME: FHWA 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 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: The method uses a 10 passes of a test truck at the traffic flow speed. The frequency is one time a year or when necessary.

COMMENTS All weight's data are questionable.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Nathalie Leger, MS, Eng.</u>	PHONE <u>(418) 644-9547</u>
DATE PREPARED <u>02-18-2002</u>	revised February 21, 2000



SHEET 16  
LTPP MONITORED TRAFFIC DATA  
SITE CALIBRATION SUMMARY

\*STATE ASSIGNED ID [ ]  
\*STATE CODE [89]  
\*SHRP SECTION ID [1125]

SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) 11/11/2002
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 IRD-1067

WIM SYSTEM CALIBRATION SPECIFICS\*\*

- 6.\*\* CALIBRATION TECHNIQUE USED:  
☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS  
☒ 10 NUMBER OF TRUCKS COMPARED ☒ 1 NUMBER OF TEST TRUCKS USED  
☒ 10 PASSES PER TRUCK  
TRUCK TYPE SUSPENSION  
TYPE PER FHWA 13 BIN SYSTEM 1 9 1  
SUSPENSION: 1 - AIR; 2 - LEAF SPRING 2  
3 - OTHER (DESCRIBE) 3 \_\_\_\_\_
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
MEAN DIFFERENCE BETWEEN --  
DYNAMIC AND STATIC GVW \_\_\_\_\_ STANDARD DEVIATION \_\_\_\_\_  
DYNAMIC AND STATIC SINGLE AXLES \_\_\_\_\_ STANDARD DEVIATION \_\_\_\_\_  
DYNAMIC AND STATIC DOUBLE AXLES \_\_\_\_\_ STANDARD DEVIATION \_\_\_\_\_
8. ☒ 1 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 55
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) \_\_\_\_\_
- 11.\*\* IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) ☒  
IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: 4.3 t (front axle of a class 9 truck)

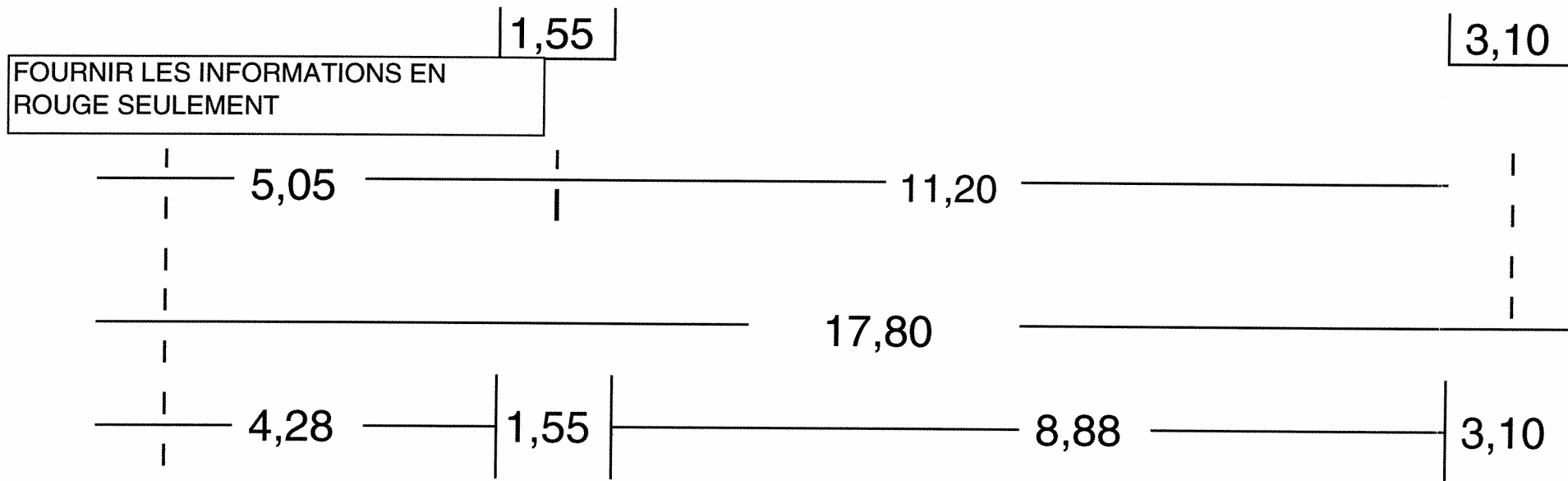
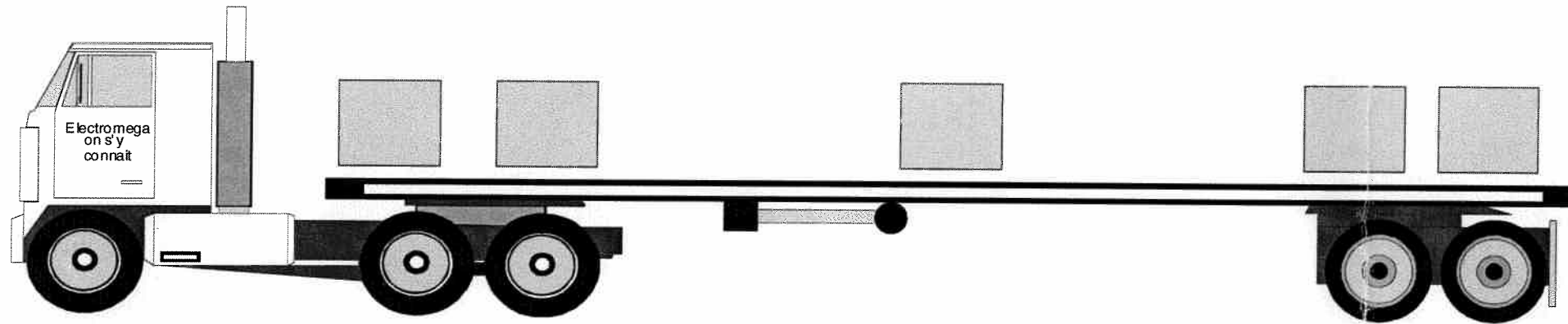
CLASSIFIER TEST SPECIFICS\*\*\*

- 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 \_\_\_\_\_  
FHWA CLASS \_\_\_\_\_  
\*\*\* PERCENT "UNCLASSIFIED" VEHICLES: \_\_\_\_\_

PERSON LEADING CALIBRATION EFFORT: Michael Mondor  
CONTACT INFORMATION: Nathalie Lavoie

rev. November 9, 1999

# INFORMATIONS SUR VÉHICULE D'ÉTALLONAGE



POIDS:	Essieux avant	Motrice 1	Motrice 2	POIDS TOTAL	Arrière 1	Arrière 2
	5770	5870	5870	29460,00	5975	5975

CALIBRATION DE Donaconna

VOIE# direction Quebec

DATE: 11-nov-02

891125 2002

## DONNEES DU VEHICULE ETALON

	POIDS		TOTAL	LONGUEUR TOTALE DU VÉHICULE				17,80 MÈTRES	Sensibilitee detecteurs	
ESSIEUX	1	2	1+2	SÉPARATION ENTRE LES ESSIEUX						
AVANT	5770		5770	avant	4,28				DET 1	11,50
MOTRICE	5870	5870	11740	motrice 1		1,55	5,83		DET 2	n.a
ARRIERE	5975	5975	11950	motrice 2						
TOTAL			29460	arrière 1				3,10		8,88
CALF	PIESO 1	PIESO 2		arrière 2						
ancien	0,19	0,34								
nouveau	0,26	0,47								

PASSE	AVANT		MOY	MOTRICE				MOY	ARRIERE				MOY	TOTAL		MOY
	PIESO 1	PIESO 2		ESSIEUX 1		ESSIEUX 2			ESSIEUX 1		ESSIEUX 2			PIESO 1	PIESO 2	
				PIÉZO 1	PIÉZO 2	PIÉZO 1	PIÉZO 2		PIÉZO 1	PIÉZO 2	PIÉZO 1	PIÉZO 2				
1	4149	4149	4149,00	3317	3317	3617	3617	6934,00	3545	3545	4347	4347	7892,00	18975,00	18975,00	18975,00
2	3908	3908	3908,00	3844	3844	3914	3914	7758,00	3550	3550	4796	4796	8346,00	20012,00	20012,00	20012,00
3	4385	4385	4385,00	4304	4304	4454	4454	8758,00	4601	4601	6144	6144	10745,00	23888,00	23888,00	23888,00
4	3831	3831	3831,00	3997	3997	3999	3999	7996,00	6277	6277	5436	5436	11713,00	23540,00	23540,00	23540,00
5	3589	3589	3589,00	3659	3659	3640	3640	7299,00	5146	5146	6380	6380	11526,00	22414,00	22414,00	22414,00
6	5140	5140	5140,00	4879	4879	5227	5227	10106,00	5318	5318	6933	6933	12251,00	27497,00	27497,00	27497,00
MOY	3972,40	3972,40	3972,40	3824,20	3824,20	3924,80	3924,80	7749,00	4623,80	4623,80	5420,60	5420,60	10044,40	21765,80	21765,80	21765,80
ERR %	-31,15	-31,15	-31,15	-34,85	-34,85	-33,14	-33,14	-33,99	-22,61	-22,61	-9,28	-9,28	-15,95	-26,12	-26,12	-26,12
STD	272,97	272,97	272,97	330,15	330,15	303,82	303,82	623,84	1031,81	1031,81	772,88	772,88	1611,68	1946,08	1946,08	1946,08
STD (%)	6,87	6,87	6,87	8,63	8,63	7,74	7,74	8,05	22,32	22,32	14,26	14,26	16,05	8,94	8,94	8,94

CAL1AV	0,28		CAL2AV	0,49	RÉSULTATS DE LA PASSE FINALE	POIDS AVANT	POIDS MOTRICE	POIDS ARRIÈRE	POIDS TOTAL
CAL1MO	0,29		CAL2MO	0,52		5140,00	10106,00	12251,00	27497,00
CAL1AR	0,23		CAL2AR	0,40					
CAL1TO	0,26		CAL2TO	0,46		-10,92	-13,92	2,52	-6,66
CAL MOY.	0,26		CAL MOY	0,47					