

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	[89]
	*SHRP SECTION ID	[3015]

HIGHWAY RT. NO. (THIS COUNT) 40 MILEPOST NO. (THIS COUNT) _____

LOCATION (THIS COUNT) 2.1 km East of Grand-Mère's exit, after the Champlain river's bridge.

FILENAME 1893015.200 DISK ID Year 2000

BEGINNING DATE 03-17-2000 BEGINNING TIME 12:00 AM

ENDING DATE 12-31-2000 ENDING TIME 12:00 AM

TYPE OF COUNT: TWO-WAY _____ ONE-WAY _____ LTPP LANE ☒

COUNT DURATION 289 [] HOURS [☒] DAYS [] MONTHS

TYPE OF SENSOR: 2 ROAD TUBES _____ PIEZO CABLE

_____ PIEZO FILM 1 LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER/MODEL # IRD 1060

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: _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Nathalie R. Jones</u>	PHONE# <u>(418) 644-6467</u>
DATE PREPARED <u>10-04-2001</u>	rev. November 9, 1999

SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[_ _ _ _]
	*STATE CODE	[8 9]
	*SHRP SECTION ID	[3 0 1 5]

HIGHWAY RT. NO. (THIS COUNT) 40 MILEPOST NO. (THIS COUNT) _____

LOCATION (THIS COUNT) 2.1 km east of Grand-Mère's exit, after the Cham-
plain river's bridge

FILENAME V893015.nva DISK ID 1st half of Year 2001

BEGINNING DATE 12-31-2000 BEGINNING TIME A.M. 12h00

ENDING DATE 07-31-2001 ENDING TIME A.M. 12h00

TYPE OF COUNT: TWO-WAY _____ ONE-WAY _____ LTPP LANE ☒

COUNT DURATION 212 [] HOURS ☒ DAYS [] MONTHS

TYPE OF SENSOR: 2 ROAD TUBES _____ PIEZO CABLE

_____ PIEZO FILM 1 LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER/MODEL # IRD 1060

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 _____

307-1-30

APR 11 2001

DISTRIBUTION FACTOR FOR LTPP LANE _____
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA)

SOURCE OF LTPP LANE DISTRIBUTION FACTOR ESTIMATE _____

COMMENTS: _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Nathalie Lafont</u>	PHONE# <u>(418) 644-6467</u>
DATE PREPARED <u>10-04-2001</u>	rev. November 9, 1999

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[_ _ _ _]
	*STATE CODE	[8 9]
	*SHRP SECTION ID	[3 0 1 5]

HIGHWAY RT. NO. (THIS COUNT) 40

MILEPOST NO. OR LOCATION (THIS COUNT) 2.1 km East of Grand-Mère's exit, after the
Champlain river's Bridge

FILENAME C893015.ega DISK ID Year 2000

BEGINNING DATE 03-17-2000 BEGINNING TIME A.M. 12:00

ENDING DATE 12-31-2000 ENDING TIME A.M. 12:00

COUNT DURATION 239 [] HOURS [☒] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☐

NAME OF AGENCY CLASSIFICATION SCHEME: F 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# IRG 1060

SENSOR TYPE 1 loop, 2 road tubes

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>Nathalie Lyne</u>	PHONE <u>(418) 644-6467</u>
DATE PREPARED <u>10-04-2001</u>	revised November 11, 1999

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[_ _ _ _]
	*STATE CODE	[8 9]
	*SHRP SECTION ID	[3 0 1 5]

HIGHWAY RT. NO. (THIS COUNT) 40

MILEPOST NO. OR LOCATION (THIS COUNT) 2.1 km East of Grand-Mère's exit, after the Champlain river's bridge

FILENAME C893015.nva DISK ID 1st half of Year 2001

BEGINNING DATE 12-31-2000 BEGINNING TIME A.M. 12:00

ENDING DATE 07-31-2001 ENDING TIME A.M. 12:00

COUNT DURATION 212 [] HOURS [☒] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☐

NAME OF AGENCY CLASSIFICATION SCHEME: F 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-1060

SENSOR TYPE 1 loop, 2 road tubes

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>Yothaka Kyne</u>	PHONE <u>(418) 644-6467</u>
DATE PREPARED <u>10-04-2001</u>	revised November 11, 1999

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	89
	*SHRP SECTION ID	3015

HIGHWAY RT. NO. (THIS SESSION) 40

MILEPOST NO. OR LOCATION (THIS SESSION) 2.1 km East of Grand-Ménages exit, after Champlain River's bridge.

FILENAME W/893015.200 DISK ID Year 2000

BEGINNING DATE 03-17-2000 BEGINNING TIME AM 12h00

ENDING DATE 12-31-2000 ENDING TIME AM 02h00

COUNT DURATION 289 [] HOURS [☒] DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# IRD-1060

SENSOR TYPE 1 loop, 2 road tubes

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 ☒ (Cont) 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: Calibration's sheet is transmitted after every calibration

COMMENTS _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Nathalie Levesque</u>	PHONE <u>(418) 644-6467</u>
DATE PREPARED <u>10-04-2001</u>	revised February 21, 2000

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[_ _ _ _]
	*STATE CODE	[2 9]
	*SHRP SECTION ID	[3 0 1 5]

HIGHWAY RT. NO. (THIS SESSION) 40

MILEPOST NO. OR LOCATION (THIS SESSION) 2.1 km East of Gr-Maze's exit, after the Champlain River's bridge

FILENAME W893015.nua DISK ID 1st half of Year 2001

BEGINNING DATE 12-31-2000 BEGINNING TIME A.M. 12h00

ENDING DATE 01-31-2001 ENDING TIME A.M. 12h00

COUNT DURATION 212 [] HOURS [☒] DAYS [] MONTHS

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

EQUIPMENT MAKE/MODEL# IRD 1060

SENSOR TYPE 1 loop, 2 road tubes

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 ☒ (cont) 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: Method: IRD standard
Frequency: once a year and when necessary

COMMENTS

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Nathalie Rigue</u>	PHONE <u>(418) 694-6467</u>
DATE PREPARED <u>10/04-2001</u>	revised February 21, 2000

Rec'd Mar. 1, 2007 27.

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID [] *STATE CODE [89] *SHRP SECTION ID [3015]
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [03/23/2000]
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

ENTERED NOV 03 2006

WIM SYSTEM CALIBRATION SPECIFICS**

6.**CALIBRATION TECHNIQUE USED:

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

☐ NUMBER OF TRUCKS COMPARED

☐ NUMBER OF TEST TRUCKS USED

☐ 6 PASSES PER TRUCK

TYPE PER FHWA 13 BIN SYSTEM

SUSPENSION: 1 - AIR; 2 - LEAF SPRING

3 - OTHER (DESCRIBE)

TRUCK	TYPE	SUSPENSION
1	<u>9</u>	<u>AIR</u>
2		
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

9.1
11.36
-13.23

STANDARD DEVIATION

STANDARD DEVIATION

STANDARD DEVIATION

1.6
3.03
1.94

SEE FORM

8. ☐ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 55

SCANNED

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) _____

FEB 11 2009

11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y

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:

Rec'd Mar. 1, 2001 E.S.

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID []
*STATE CODE [09]
*SHRP SECTION ID [3015]

and 3016

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [08/25/2000] ✓
2. * TYPE OF EQUIPMENT CALIBRATED ☒ WIM ☐ CLASSIFIER ☐ BOTH ENTERED NOV 03 2006 ✓
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 _____

WIM SYSTEM CALIBRATION SPECIFICS**

6.**CALIBRATION TECHNIQUE USED:

☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS
☐ NUMBER OF TRUCKS COMPARED ☐ NUMBER OF TEST TRUCKS USED
☐ 6 PASSES PER TRUCK
TRUCK TYPE SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM
SUSPENSION: 1 - AIR; 2 - LEAF SPRING
3 - OTHER (DESCRIBE)

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT) (see classification report)
MEAN DIFFERENCE BETWEEN ---
DYNAMIC AND STATIC GVW ☒ - 1.09 STANDARD DEVIATION 2.03
DYNAMIC AND STATIC SINGLE AXLES ☒ 3.54 STANDARD DEVIATION 3.70
DYNAMIC AND STATIC DOUBLE AXLES ☒ 3.89 STANDARD DEVIATION 7.93
8. ☒ 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) ☒ FEB 11 2009
IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: _____

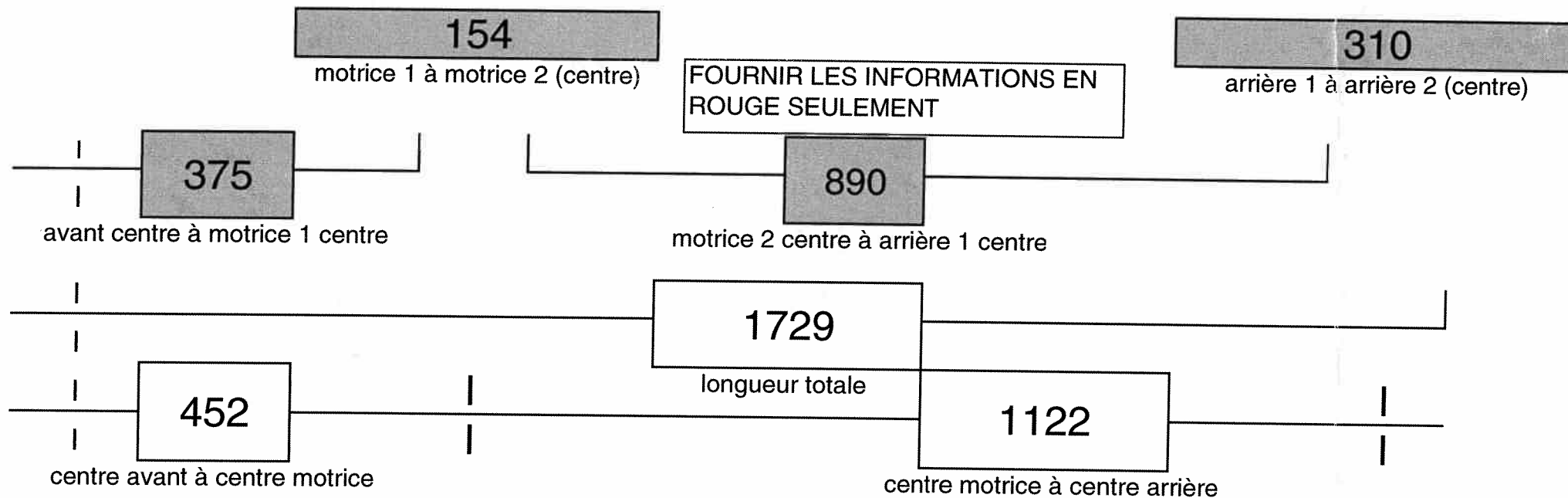
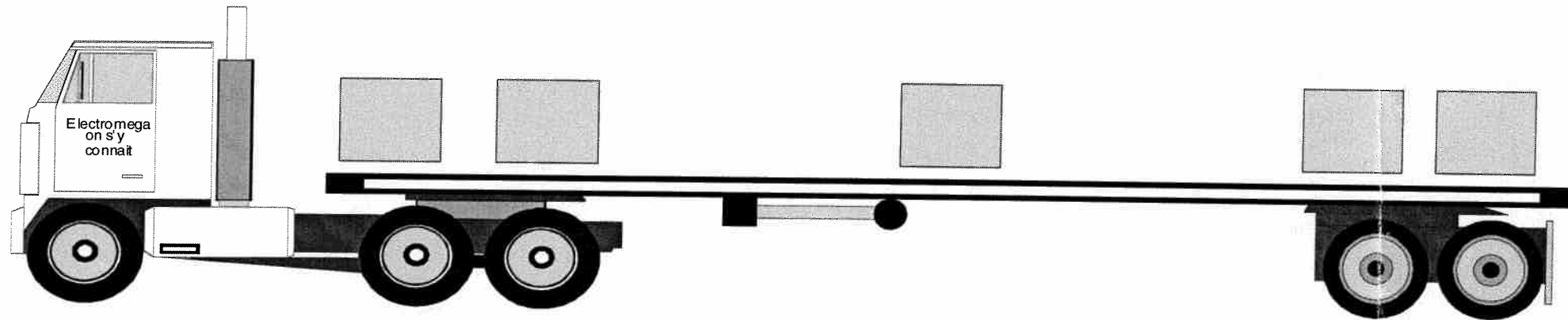
CLASSIFIER TEST SPECIFICS***

- 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:

INFORMATIONS SUR VÉHICULE D'ÉTALLONAGE

Qc calibration details 2000

891125
893001
893015
893016
899018



POIDS:

Essieux avant

5170

Motrice 1

7575

Motrice 2

7575

poids total

34510,00

Arrière 1

7095

Arrière 2

7095

CALIBRATION DE : **Batiscan**
 DATE: **25 aout 2000**

VOIE# **Ouest**

893015 2000

DONNEES DU VEHICULE ETALON

								LECTURE DES PIÉZOS		RÉSULTAT
								PIEZO 1	PIEZO 2	PASSE 6
POIDS TOTAL				LONGUEUR TOTALE DU VÉHICULE				1		#VALEUR!
ESSIEUX	1	2	1+2	SEPARATION ENTRE LES ESSIEUX				2		
AVANT	5170,00		5170,00	avant	452,00			3		
MOTRICE	7575,00	7575,00	15150,00	motrice 1		154,00		MOTRICE	#VALEUR!	#VALEUR!
ARRIERE	7095,00	7095,00	14190,00	motrice 2				4		
TOTAL			34510,00	arrière 1			1122,00	5		
CALF	PIESO 1	PIESO 2		arrière 2		310,00		ARRIERE	#VALEUR!	#VALEUR!
	0,44	0,49								

PASSE	AVANT		MOY	MOTRICE		MOY	ARRIERE		MOY	TOTAL		MOY
	PIESO 1	PIESO 2		PIESO 1	PIESO 2		PIESO 1	PIESO 2		PIESO 1	PIESO 2	
1	5185,00	4561,00	4873,00	15609,00	15099,00	15354,00	14296,00	12230,00	13263,00	35090,00	31890,00	33490,00
2	5345,00	4504,00	4924,50	14782,00	15032,00	14907,00	13896,00	12476,00	13186,00	34023,00	32012,00	33017,50
3	5197,00	4199,00	4698,00	14068,00	13389,00	13728,50	13302,00	11990,00	12646,00	32567,00	29578,00	31072,50
4	5178,00	4298,00	4738,00	14765,00	14235,00	14500,00	13390,00	12290,00	12840,00	33333,00	30823,00	32078,00
5	5145,00	4221,00	4683,00	15718,00	13981,00	14849,50	13650,00	12886,00	13268,00	34513,00	31088,00	32800,50

MOY	5210,00	4356,60	4783,30	14988,40	14347,20	14667,80	13706,80	12374,40	13040,60	33905,20	31078,20	32491,70
ERR %	0,77	-15,73	-7,48	-1,07	-5,30	-3,18	-3,41	-12,79	-8,10	-1,75	-9,94	-5,85
STD	69,67	148,44	97,34	609,44	647,92	542,50	360,67	299,26	252,29	883,77	877,13	843,05
STD (%)	1,34	3,41	2,03	4,07	4,52	3,70	2,63	2,42	1,93	2,61	2,82	2,59

CAL1AV	0,44		CAL2AV	0,58	Sensibilitee detecteurs
CAL1MO	0,44		CAL2MO	0,52	
CAL1AR	0,49		CAL2AR	0,56	
CAL1TO	0,45		CAL2TO	0,54	
CAL MOY.	0,45		CAL MOY.	0,55	

PASSE		AVANT		MOTRICE		ARRIERE		TOTAL
6		5113,50		15687,00		14742,50		35543,00
ERR%		-1,09		3,54		3,89		2,99