AVC Accuracy Reconciliation Report

2026-6-1 00:00:00-2026-6-30 23:59:59Plaza(s) (Ermelo),Adjusted for Lifted Axles & Tailgating

All operating day(s) in selected period are closed

Control Centre : Ermelo Control

Plaza Name : Ermelo

Lane Direction : East

Lane Type : Mixed

Lane 01ME	Start Trx #	End Trx #	Expected Count	Missing Trx	Manual Entry Count	Ghost Viol Count	Sim Trx Count	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	1092782	1111439	18658	6	6	0	1	9	1092502	1111149	18648	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss Classed Count	Lifted Axles + Tailgating Count	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	18664	18648	16	427		99.91	0.06	99.97	99.90	Pass
Class 1	10112	10104	8	6		99.94	0.019	99.96	99.60	Pass
Class 2	1106	1106	0	168		84.81	0.285	85.09	95.00	Failed
Class 3	714	713	1	75		89.48	0.332	89.81	96.00	Failed
Class 4	6732	6725	7	178		97.35	0.086	97.44	99.00	Failed

Lane 02ME	Start Trx #	End Trx #	Expected Count	Missing Trx	Manual Entry Count	Ghost Viol Count	Sim Trx Count	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	287075	298275	11201	-1	0	0	6	0	299940	311133	11194	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss Classed Count	Lifted Axles + Tailgating Count	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	11200	11194	6	75		99.95	0.077	100.00	99.90	Pass
Class 1	8282	8277	5	7		99.92	0.019	99.94	99.60	Pass

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Class 2	554	554	0	37	93.32	0.285	93.60	95.00	Failed
Class 3	227	227	0	11	95.15	0.332	95.48	96.00	Failed
Class 4	2137	2136	1	20	99.06	0.086	99.15	99.00	Pass

Lane 03ME	*Start Trx #*	*End Trx #*	*Expected Count*	*Missing Trx*	*Manual Entry Count*	*Ghost Viol Count*	*Sim Trx Count*	*No Class Count*	*Start AVC Trx #*	*End AVC Trx #*	*Expected AVC Count*	*Count Missing AVC Seq#*
	1457685	*1469073*	*11389*	*3*	*3*	*0*	*3*	*0*	*1492946*	*1504331*	*11386*	*0*

Veh. Class	*Actual Traffic Count*	*AVC Correct Traffic Count*	*No AVC Present Count*	*Miss Classed Count*	*Lifted Axles + Tailgating Count*	*Measured Accuracy (%)*	*Error Margin (%)*	*AVC Accuracy (%)*	*Required Accuracy (%)*	*Outcome*
Overall Count	11392	11386	6	156		99.95	0.076	100.00	99.90	Pass
Class 1	9342	9336	6	21		99.78	0.019	99.80	99.60	Pass
Class 2	392	392	0	112		71.43	0.285	71.72	95.00	Failed
Class 3	180	180	0	18		90.00	0.332	90.33	96.00	Failed
Class 4	1478	1478	0	5		99.66	0.086	99.75	99.00	Pass

Lane 04ME	*Start Trx #*	*End Trx #*	*Expected Count*	*Missing Trx*	*Manual Entry Count*	*Ghost Viol Count*	*Sim Trx Count*	*No Class Count*	*Start AVC Trx #*	*End AVC Trx #*	*Expected AVC Count*	*Count Missing AVC Seq#*
	1541596	*1565563*	*23968*	*4*	*4*	*0*	*0*	*0*	*1583544*	*1607511*	*23968*	*0*

Veh. Class	*Actual Traffic Count*	*AVC Correct Traffic Count*	*No AVC Present Count*	*Miss Classed Count*	*Lifted Axles + Tailgating Count*	*Measured Accuracy (%)*	*Error Margin (%)*	*AVC Accuracy (%)*	*Required Accuracy (%)*	*Outcome*
Overall Count	23972	23968	4	77		99.98	0.053	100.00	99.90	Pass
Class 1	22396	22392	4	3		99.99	0.019	100.00	99.60	Pass
Class 2	478	478	0	50		89.54	0.285	89.83	95.00	Failed
Class 3	147	147	0	18		87.76	0.332	88.09	96.00	Failed
Class 4	951	951	0	6		99.37	0.086	99.46	99.00	Pass

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Totals for Lane Type : Mixed	Trx Count	Missing Trx Count	Manual Entry Count	Ghost Viol Count	Sim Trx Count	No Class Count	AVC Trx Count	Count Missing AVC Seq#
	65216	12	13	0	10	9	65196	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Missed Classed Count	Lifted Axles + Tailgating Count	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	65228	65196	32	735		99.95	0.032	99.98	99.90	Pass
Class 1	50132	50109	23	37		99.93	0.055	99.99	99.60	Pass
Class 2	2530	2530		367		85.49	0.849	86.34	95.00	Failed
Class 3	1268	1267	1	122		90.38	1.079	91.46	96.00	Failed
Class 4	11298	11290	8	209		98.15	0.183	98.33	99.00	Failed

Totals for Lane Direction : East	Trx Count	Missing Trx Count	Manual Entry Count	Ghost Viol Count	Sim Trx Count	No Class Count	AVC Trx Count	Count Missing AVC Seq#
	65216	12	13	0	10	9	65196	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Missed Classed Count	Lifted Axles + Tailgating Count	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	65228	65196	32	735		99.95	0.032	99.98	99.90	Pass
Class 1	50132	50109	23	37		99.93	0.055	99.99	99.60	Pass
Class 2	2530	2530		367		85.49	0.849	86.34	95.00	Failed
Class 3	1268	1267	1	122		90.38	1.079	91.46	96.00	Failed
Class 4	11298	11290	8	209		98.15	0.183	98.33	99.00	Failed

Lane Direction : West

Lane Type : Mixed

The AVC Accuracy Reconciliation Report cannot agree to the Accuracy Summary and Detail reports due to different logic that are applied.

Lane 05MW	Start Trx #	End Trx #	Expected Count	Missing Trx	Manual Entry Count	Ghost Viol Count	Sim Trx Count	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	1728443	1754614	26172	20	20	0	3	1	1772578	1798761	26184	16

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss Classed Count	Lifted Axles + Tailgating Count	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	26192	26168	24	255		99.91	0.05	99.96	99.90	Pass
Class 1	24372	24349	23	192		99.21	0.019	99.23	99.60	Failed
Class 2	571	571	0	42		92.64	0.285	92.92	95.00	Failed
Class 3	164	164	0	19		88.41	0.332	88.74	96.00	Failed
Class 4	1085	1084	1	2		99.82	0.086	99.91	99.00	Pass

Lane 06MW	Start Trx #	End Trx #	Expected Count	Missing Trx	Manual Entry Count	Ghost Viol Count	Sim Trx Count	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	105485	117430	11946	3	3	0	1	0	787855	799802	11948	3

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss Classed Count	Lifted Axles + Tailgating Count	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	11949	11945	4	139		99.97	0.075	100.00	99.90	Pass
Class 1	9122	9120	2	7		99.92	0.019	99.94	99.60	Pass
Class 2	534	534	0	38		92.88	0.285	93.16	95.00	Failed
Class 3	233	232	1	27		88.36	0.332	88.69	96.00	Failed
Class 4	2060	2059	1	67		96.75	0.086	96.84	99.00	Failed

Lane 07MW	Start Trx #	End Trx #	Expected Count	Missing Trx	Manual Entry Count	Ghost Viol Count	Sim Trx Count	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	1187363	1212909	25547	47	47	0	2	0	1849456	1875000	25545	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss Classed Count	Lifted Axles + Tailgating Count	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	25594	25545	49	311		99.81	0.051	99.86	99.90	Failed

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Class 1	14781	14769	12	5	99.97	0.019	99.99	99.60	Pass
Class 2	1488	1488	0	170	88.58	0.285	88.86	95.00	Failed
Class 3	786	786	0	70	91.09	0.332	91.42	96.00	Failed
Class 4	8539	8502	37	66	99.22	0.086	99.31	99.00	Pass

Totals for Lane Type : Mixed	*Trx Count*	*Missing Trx Count*	*Manual Entry Count*	*Ghost Viol Count*	*Sim Trx Count*	*No Class Count*	*AVC Trx Count*	*Count Missing AVC Seq#*
	63665	*70*	*70*	*0*	*6*	*1*	*63677*	*19*

Veh. Class	*Actual Traffic Count*	*AVC Correct Traffic Count*	*No AVC Present Count*	*Missed Classed Count*	*Lifted Axles + Tailgating Count*	*Measured Accuracy (%)*	*Error Margin (%)*	*AVC Accuracy (%)*	*Required Accuracy (%)*	*Outcome*
Overall Count	63735	63658	77	705		99.88	0.032	99.91	99.90	Pass
Class 1	48275	48238	37	204		99.58	0.056	99.64	99.60	Pass
Class 2	2593	2593		250		90.36	0.839	91.2	95.00	Failed
Class 3	1183	1182	1	116		90.19	1.117	91.31	96.00	Failed
Class 4	11684	11645	39	135		98.84	0.180	99.02	99.00	Pass

Totals for Lane Direction : West	*Trx Count*	*Missing Trx Count*	*Manual Entry Count*	*Ghost Viol Count*	*Sim Trx Count*	*No Class Count*	*AVC Trx Count*	*Count Missing AVC Seq#*
	63665	*70*	*70*	*0*	*6*	*1*	*63677*	*19*

Veh. Class	*Actual Traffic Count*	*AVC Correct Traffic Count*	*No AVC Present Count*	*Missed Classed Count*	*Lifted Axles + Tailgating Count*	*Measured Accuracy (%)*	*Error Margin (%)*	*AVC Accuracy (%)*	*Required Accuracy (%)*	*Outcome*
Overall Count	63735	63658	77	705		99.88	0.032	99.91	99.90	Pass
Class 1	48275	48238	37	204		99.58	0.056	99.64	99.60	Pass
Class 2	2593	2593		250		90.36	0.839	91.2	95.00	Failed
Class 3	1183	1182	1	116		90.19	1.117	91.31	96.00	Failed
Class 4	11684	11645	39	135		98.84	0.180	99.02	99.00	Pass

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Totals for Plaza : Ermelo	Trx Count	Missing Trx Count	Manual Entry Count	Ghost Viol Count	Sim Trx Count	Count No Class	AVC Trx Count	Count Missing AVC Seq#
	128881	82	83	0	16	10	128873	19

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Missed Classed Count	Lifted Axles + Tailgating Count	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	128963	128854	109	1440		99.92	0.023	99.94	99.90	Pass
Class 1	98407	98347	60	241		99.76	0.039	99.8	99.60	Pass
Class 2	5123	5123		617		87.96	0.597	88.56	95.00	Failed
Class 3	2451	2449	2	238		90.17	0.776	90.95	96.00	Failed
Class 4	22982	22935	47	344		98.95	0.129	99.08	99.00	Pass

Totals for Control Centre : Ermelo Control	Trx Count	Missing Trx Count	Manual Entry Count	Ghost Viol Count	Sim Trx Count	Count No Class	AVC Trx Count	Count Missing AVC Seq#
	128881	82	83	0	16	10	128873	19

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Missed Classed Count	Lifted Axles + Tailgating Count	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	128963	128854	109	1440		99.92	0.023	99.94	99.90	Pass
Class 1	98407	98347	60	241		99.76	0.039	99.8	99.60	Pass
Class 2	5123	5123		617		87.96	0.597	88.56	95.00	Failed
Class 3	2451	2449	2	238		90.29	0.776	91.07	96.00	Failed
Class 4	22982	22935	47	344		98.50	0.129	98.63	99.00	Failed

COLUMN DEFINITIONS:

- **General Comment:** Overall Count Accuracy values show whether the AVC correctly detected each vehicle and only true vehicles as per the definition of the Government Gazette. The Classification Accuracy values therefore exclude all missed or over counted vehicle passages.

- **Actual Traffic**

  Overall Count

  This is the actual number of vehicles that passed through the lane/Virtual Plaza or control centre. Based on MIS Data

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Classification Count per class:

This is the actual number of vehicles (MIS transactions) of a certain class that passed through the lane/Virtual Plaza or control centre based on the corrected/verified vehicle classification. The actual number of vehicles will exclude all vehicles that the AVC failed to detect, as per Kersen Naidoo comments on the 29th July 2010.

NB. The Actual traffic does not include any of the Class 0 transactions (Class 0 Timeouts and Ghost Violations) Assuming that these are correctly validated by the Operator by means of the VGS.

This "Actual Traffic" shall also be equal to the total number of physical true vehicle passages through the lane/Virtual Plaza or Control Centre as when verified by means of a manual Video Vehicle count and class verification.

- **AVC Traffic**

  Overall Count

  The number of ACTUAL passages that were detected by the AVC. This count will use the Actual Dataset .

  Classification Count

  Using the Actual Dataset, this is the number of vehicles that AVC classified correctly.

- **No AVC Present**

  Overall Count

  The number of ACTUAL passages not detected by the AVC or the data was not communicated to the TCC by the AVC thus resulting in no record being sent to the MIS.

  Classification Count

  The number of ACTUAL passages for a specific classification not detected by the AVC or the data was not communicated to the TCC by the AVC thus resulting in no record being sent to the MIS.

- **Misclassified**

  Overall Count

  The number of ACTUAL passages that were classified incorrectly by the AVC. This excludes any passages that were not classified or detected by the AVC.

  Classification Count

  The number of ACTUAL passages for a specific classification that were incorrectly classified by the AVC. This excludes any passages that were not classified or detected by the AVC.

- **NC (No Class)**

  Overall Count

  The number of ACTUAL vehicles that were detected by the AVC but the AVC failed to classify the vehicle.

  Classification Count

  The number of ACTUAL vehicles for a specific classification that were detected by the AVC but the AVC failed to classify the vehicle.

- **Measured Accuracy (%)**

  Overall count

  The Actual Traffic less the error count (Vehicles not detected by the AVC plus all ghost violations) as a percentage of the Actual Traffic. Note, the value will never be more than 100%, if it is more than 100% than there is a problem with the counts.

Classification count

The total number of vehicles classified correctly by the AVC for a specific class as a percentage of the actual number of vehicles for a specific classification. Note, the actual number excludes all passages which the AVC did not detect. This value will never be more than 100%, if it is more than 100% than there is a problem with the counts.

- **d(Error Margin) (%)**

Overall count

n is the actual number of vehicles used in the sample. p and z are given in book 2 volume 4.

Classification count

n is the actual number of vehicles used in the sample for the specific classification, this will exclude any vehicles that the AVC did not detect. p and z are given in book 2 volume 4.

- **AVC Accurary (%)**

Overall count

The measured accuracy plus d(error margin). This value can exceed 100% and should be displayed as 100% when it exceeds 100%.

Classification count

The measured accuracy for the specific class plus the calculated d(error margin) for the specific class. This value can exceed 100% and should be displayed as 100% when it exceeds 100%.

- **Required(%)**

Overall count

This is the expected AVC accuracy which is specified in Book 2 Volume 4.

Classification count

This is the expected AVC accuracy for a specific class which is specified in Book 2 Volume 4.

- **Outcome**

Overall count

If the AVC Accuracy is equal to or exceeds the required AVC accuracy the outcome will be PASSED, if the AVC accuracy is less than the required AVC accuracy the outcome will FAILED.

Classification

If the AVC Accuracy for a specific class is equal to or exceeds the required AVC accuracy for the specific class the outcome will be PASSED, if the AVC accuracy for the specific class is less than the required AVC accuracy for the specific class the outcome will FAILED.

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