AVC Accuracy Reconciliation Report

Operating Period (2026/04/01 - 2026/04/30)Plaza(s) (Ermelo),Lifted Axles

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	Count Missing	Count Manual	Count Ghost Viol	Count Class 0	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	1089242	1089510	269	11	11	0	23	1	1088985	1089229	245	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	280	245	35	15		87.50	0.078	87.58	99.90	Failed
Class 1	104	100	4	0		100.00	0.019	100.00	99.60	Pass
Class 2	10	10	0	1		90.00	0.285	90.28	95.00	Failed
Class 3	12	12	0	4		66.67	0.332	67.00	96.00	Failed
Class 4	154	123	31	10		91.87	0.086	91.96	99.00	Failed

Lane 02ME	Start Trx #	End Trx #	Expected Count	Count Missing	Count Manual	Count Ghost Viol	Count Class 0	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	261774	274300	12527	0	0	0	0	0	274641	287167	12527	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	12527	12527	0	91	4	100.00	0.073	100.00	99.90	Pass
Class 1	8258	8258	0	25		99.70	0.019	99.72	99.60	Pass
Class 2	599	599	0	26		95.66	0.285	95.94	95.00	Pass

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Class 3	296	296	0	29	3	89.19	0.332	89.52	96.00	Failed
Class 4	3374	3374	0	11	1	99.64	0.086	99.73	99.00	Pass

Lane 03ME	Start Trx #	End Trx #	Expected Count	Count Missing	Count Manual	Count Ghost Viol	Count Class 0	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	1396695	1427057	30363	10	10	0	1	0	1431957	1462318	30362	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	30373	30362	11	396	5	99.96	0.047	100.00	99.90	Pass
Class 1	21999	21988	11	217		99.01	0.019	99.03	99.60	Failed
Class 2	1281	1281	0	108		91.57	0.285	91.85	95.00	Failed
Class 3	691	691	0	59	3	91.03	0.332	91.36	96.00	Failed
Class 4	6402	6402	0	12	2	99.78	0.086	99.87	99.00	Pass

Lane 04ME	Start Trx #	End Trx #	Expected Count	Count Missing	Count Manual	Count Ghost Viol	Count Class 0	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	1492193	1521289	29097	6	6	0	0	1	1534148	1563243	29096	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	29103	29096	6	174	10	99.98	0.048	100.00	99.90	Pass
Class 1	26384	26379	5	59	1	99.77	0.019	99.79	99.60	Pass
Class 2	679	678	1	78		88.50	0.285	88.78	95.00	Failed
Class 3	270	270	0	31	7	85.93	0.332	86.26	96.00	Failed
Class 4	1769	1769	0	6	2	99.55	0.086	99.64	99.00	Pass

Totals for Lane Type : Mixed	Trx Count	Count Missing Trx	Count Manual Entry	Count Ghost Viol	Count Class 0	No Class Count	AVC Trx Count	Count Missing AVC Seq#
	72256	27	27	0	24	2	72230	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Missed Classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	72283	72230	52	676	19	99.93	0.030	99.96	99.90	Pass
Class 1	56745	56725	20	301	1	99.47	0.052	99.52	99.60	Failed
Class 2	2569	2568	1	213		91.71	0.843	92.55	95.00	Failed

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Class 3	1269	1269		123	13	90.31	1.078	91.39	96.00	Failed
Class 4	11699	11668	31	39	5	99.67	0.180	99.85	99.00	Pass

Totals for Lane Direction : East	Trx Count	Count Missing Trx	Count Manual Entry	Count Ghost Viol	Count Class 0	No Class Count	AVC Trx Count	Count Missing AVC Seq#
	72256	27	27	0	24	2	72230	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Missed Classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	72283	72230	52	676	19	99.90	0.030	99.93	99.90	Pass
Class 1	56745	56725	20	301	1	99.47	0.052	99.52	99.60	Failed
Class 2	2569	2568	1	213		91.71	0.843	92.55	95.00	Failed
Class 3	1269	1269		123	13	90.31	1.078	91.39	96.00	Failed
Class 4	11699	11668	31	39	5	99.67	0.180	99.85	99.00	Pass

Lane Direction : West

Lane Type : Mixed

Lane 05MW	Start Trx #	End Trx #	Expected Count	Count Missing	Count Manual	Count Ghost Viol	Count Class 0	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	1674448	1701853	27406	9	8	0	2	4	1718586	1745989	27404	3

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	27415	27401	14	121	2	99.95	0.049	100.00	99.90	Pass
Class 1	25971	25958	13	65		99.75	0.019	99.77	99.60	Pass
Class 2	517	516	1	49		90.50	0.285	90.78	95.00	Failed
Class 3	146	146	0	6	2	94.52	0.332	94.85	96.00	Failed
Class 4	781	781	0	1		99.87	0.086	99.96	99.00	Pass

Lane 06MW	Start Trx #	End Trx #	Expected Count	Count Missing	Count Manual	Count Ghost Viol	Count Class 0	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	79761	93033	13273	2	2	0	2	7	762131	775401	13271	7

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome

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Overall Count	13275	13264	11	59	1	99.92	0.071	99.99	99.90	Pass
Class 1	10330	10320	10	11		99.89	0.019	99.91	99.60	Pass
Class 2	528	528	0	26		95.08	0.285	95.36	95.00	Pass
Class 3	240	239	1	16	1	92.89	0.332	93.22	96.00	Failed
Class 4	2177	2177	0	6		99.72	0.086	99.81	99.00	Pass

Lane 07MW	Start Trx #	End Trx #	Expected Count	Count Missing	Count Manual	Count Ghost Viol	Count Class 0	No Class Count	Start AVC Trx #	End AVC Trx #	Expected AVC Count	Count Missing AVC Seq#
	1129615	1159547	29933	40	40	0	1	0	1791711	1821642	29932	0

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Miss classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	29973	29932	41	1455	6	99.86	0.047	99.91	99.90	Pass
Class 1	18776	18763	13	67		99.64	0.019	99.66	99.60	Pass
Class 2	1617	1616	1	149		90.78	0.285	91.06	95.00	Failed
Class 3	744	742	2	176	5	75.61	0.332	75.94	96.00	Failed
Class 4	8836	8811	25	1063	1	87.92	0.086	88.01	99.00	Failed

Totals for Lane Type : Mixed	Trx Count	Count Missing Trx	Count Manual Entry	Count Ghost Viol	Count Class 0	No Class Count	AVC Trx Count	Count Missing AVC Seq#
	70612	51	50	0	5	11	70607	10

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Missed Classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome
Overall Count	70663	70597	66	1635	9	99.91	0.031	99.94	99.90	Pass
Class 1	55077	55041	36	143		99.74	0.053	99.79	99.60	Pass
Class 2	2662	2660	2	224		91.59	0.828	92.42	95.00	Failed
Class 3	1130	1127	3	198	8	82.48	1.143	83.62	96.00	Failed
Class 4	11794	11769	25	1070	1	90.93	0.180	91.11	99.00	Failed

Totals for Lane Direction : West	Trx Count	Count Missing Trx	Count Manual Entry	Count Ghost Viol	Count Class 0	No Class Count	AVC Trx Count	Count Missing AVC Seq#
	70612	51	50	0	5	11	70607	10

Veh. Class	Actual Traffic Count	AVC Correct Traffic Count	No AVC Present Count	Missed Classed	Lifted Axles	Measured Accuracy (%)	Error Margin (%)	AVC Accuracy (%)	Required Accuracy (%)	Outcome

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Overall Count	70663	70597	66	1635	9	99.89	0.031	99.92	99.90	Pass
Class 1	55077	55041	36	143		99.74	0.053	99.79	99.60	Pass
Class 2	2662	2660	2	224		91.59	0.828	92.42	95.00	Failed
Class 3	1130	1127	3	198	8	82.48	1.143	83.62	96.00	Failed
Class 4	11794	11769	25	1070	1	90.93	0.180	91.11	99.00	Failed

Totals for Plaza : Ermelo	*Trx Count*	*Count Missing Trx*	*Count Manual Entry*	*Count Ghost Viol*	*Count Class 0*	*Count No Class*	*AVC Trx Count*	*Count Missing AVC Seq#*
	142868	*78*	*77*	*0*	*29*	*13*	*142837*	*10*

Veh. Class	*Actual Traffic Count*	*AVC Correct Traffic Count*	*No AVC Present Count*	*Missed Classed*	*Lifted Axles*	*Measured Accuracy (%)*	*Error Margin (%)*	*AVC Accuracy (%)*	*Required Accuracy (%)*	*Outcome*
Overall Count	142946	142827	118	2311	28	99.90	0.022	99.92	99.90	Pass
Class 1	111822	111766	56	444	1	99.60	0.037	99.64	99.60	Pass
Class 2	5231	5228	3	437		91.65	0.591	92.24	95.00	Failed
Class 3	2399	2396	3	321	21	81.49	0.784	82.27	96.00	Failed
Class 4	23493	23437	56	1109	6	98.11	0.127	98.24	99.00	Failed

Totals for Control Centre : Ermelo Control	*Trx Count*	*Count Missing Trx*	*Count Manual Entry*	*Count Ghost Viol*	*Count Class 0*	*Count No Class*	*AVC Trx Count*	*Count Missing AVC Seq#*
	142868	*78*	*77*	*0*	*29*	*13*	*142837*	*10*

Veh. Class	*Actual Traffic Count*	*AVC Correct Traffic Count*	*No AVC Present Count*	*Missed Classed*	*Lifted Axles*	*Measured Accuracy (%)*	*Error Margin (%)*	*AVC Accuracy (%)*	*Required Accuracy (%)*	*Outcome*
Overall Count	142946	142827	118	2311	28	99.90	0.022	99.92	99.90	Pass
Class 1	111822	111766	56	444	1	99.60	0.037	99.64	99.60	Pass
Class 2	5231	5228	3	437		91.65	0.591	92.24	95.00	Failed
Class 3	2399	2396	3	321	21	86.62	0.784	87.4	96.00	Failed
Class 4	23493	23437	56	1109	6	95.28	0.127	95.41	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.

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- **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
  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.

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- **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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