AVC Accuracy Reconciliation Report

Operating Period (2026/05/01 - 2026/05/31)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#
	1089511	1092781	3271	9	9	0	0	1	1089230	1092501	3272	2

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	3280	3270	10	232	1	99.70	0.078	99.78	99.90	Failed
Class 1	1527	1525	2	11		99.28	0.019	99.30	99.60	Failed
Class 2	196	196	0	37		81.12	0.285	81.40	95.00	Failed
Class 3	122	122	0	18	1	84.43	0.332	84.76	96.00	Failed
Class 4	1435	1427	8	166		88.37	0.086	88.46	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#
	274301	287074	12774	0	0	0	2	0	287168	299939	12772	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	12774	12772	2	130	3	99.98	0.072	100.00	99.90	Pass
Class 1	8712	8710	2	23		99.74	0.019	99.76	99.60	Pass
Class 2	651	651	0	55		91.55	0.285	91.83	95.00	Failed

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Class 3	288	288	0	35	3	86.81	0.332	87.14	96.00	Failed
Class 4	3123	3123	0	17		99.46	0.086	99.55	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#
	1427058	1457684	30627	15	13	0	2	0	1462319	1492945	30627	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	30642	30627	15	320	10	99.95	0.047	100.00	99.90	Pass
Class 1	22632	22619	13	86		99.62	0.019	99.64	99.60	Pass
Class 2	1399	1399	0	176		87.42	0.285	87.70	95.00	Failed
Class 3	685	685	0	45	6	92.55	0.332	92.88	96.00	Failed
Class 4	5926	5924	2	13	4	99.71	0.086	99.80	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#
	1521290	1541595	20306	3	3	0	6	0	1563244	1583543	20300	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	20309	20300	9	119	3	99.96	0.057	100.00	99.90	Pass
Class 1	18228	18220	8	41		99.77	0.019	99.79	99.60	Pass
Class 2	549	549	0	57		89.62	0.285	89.90	95.00	Failed
Class 3	181	181	0	17	3	88.95	0.332	89.28	96.00	Failed
Class 4	1351	1350	1	4		99.70	0.086	99.79	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#
	66978	27	25	0	10	1	66971	2

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	67005	66969	36	801	17	99.95	0.032	99.98	99.90	Pass
Class 1	51099	51074	25	161		99.68	0.055	99.74	99.60	Pass
Class 2	2795	2795		325		88.37	0.808	89.18	95.00	Failed

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Class 3	1276	1276		115	13	90.99	1.075	92.06	96.00	Failed
Class 4	11835	11824	11	200	4	98.31	0.179	98.49	99.00	Failed

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#
	66978	27	25	0	10	1	66971	2

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	67005	66969	36	801	17	99.92	0.032	99.95	99.90	Pass
Class 1	51099	51074	25	161		99.68	0.055	99.74	99.60	Pass
Class 2	2795	2795		325		88.37	0.808	89.18	95.00	Failed
Class 3	1276	1276		115	13	90.99	1.075	92.06	96.00	Failed
Class 4	11835	11824	11	200	4	98.31	0.179	98.49	99.00	Failed

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#
	1701854	1728442	26589	10	10	0	5	17	1745990	1772577	26588	21

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	26599	26567	32	271	2	99.88	0.05	99.93	99.90	Pass
Class 1	24701	24669	32	84		99.66	0.019	99.68	99.60	Pass
Class 2	624	624	0	153		75.48	0.285	75.76	95.00	Failed
Class 3	167	167	0	24		85.63	0.332	85.96	96.00	Failed
Class 4	1107	1107	0	10	2	98.92	0.086	99.01	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#
	93034	105484	12451	12	10	0	2	0	775402	787854	12453	2

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	12463	12451	12	628		99.90	0.073	99.97	99.90	Pass
Class 1	9402	9398	4	194		97.94	0.019	97.96	99.60	Failed
Class 2	601	601	0	114		81.03	0.285	81.31	95.00	Failed
Class 3	289	289	0	61		78.89	0.332	79.22	96.00	Failed
Class 4	2171	2163	8	259		88.03	0.086	88.12	99.00	Failed

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#
	1159548	1187362	27815	52	51	0	2	1	1821643	1849455	27813	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	27867	27813	53	1658	8	99.81	0.049	99.86	99.90	Failed
Class 1	17002	16989	13	21		99.88	0.019	99.90	99.60	Pass
Class 2	1601	1601	0	221		86.20	0.285	86.48	95.00	Failed
Class 3	699	699	0	176	7	73.82	0.332	74.15	96.00	Failed
Class 4	8564	8524	40	1240	1	85.44	0.086	85.53	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#
	66855	74	71	0	9	18	66854	23

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	66929	66831	97	2557	10	99.86	0.032	99.89	99.90	Pass
Class 1	51105	51056	49	299		99.41	0.055	99.47	99.60	Failed
Class 2	2826	2826		488		82.73	0.804	83.53	95.00	Failed
Class 3	1155	1155		261	7	77.40	1.130	78.53	96.00	Failed
Class 4	11842	11794	48	1509	3	87.26	0.179	87.44	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#
	66855	74	71	0	9	18	66854	23

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	66929	66831	97	2557	10	99.84	0.032	99.87	99.90	Pass
Class 1	51105	51056	49	299		99.41	0.055	99.47	99.60	Failed
Class 2	2826	2826		488		82.73	0.804	83.53	95.00	Failed
Class 3	1155	1155		261	7	77.40	1.130	78.53	96.00	Failed
Class 4	11842	11794	48	1509	3	87.26	0.179	87.44	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#*
	133833	*101*	*96*	*0*	*19*	*19*	*133825*	*25*

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	133934	133800	133	3358	27	99.88	0.022	99.9	99.90	Pass
Class 1	102204	102130	74	460		99.55	0.039	99.59	99.60	Pass
Class 2	5621	5621		813		85.54	0.570	86.11	95.00	Failed
Class 3	2431	2431		376	20	81.08	0.779	81.86	96.00	Failed
Class 4	23677	23618	59	1709	7	98.06	0.127	98.19	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#*
	133833	*101*	*96*	*0*	*19*	*19*	*133825*	*25*

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	133934	133800	133	3358	27	99.88	0.022	99.9	99.90	Pass
Class 1	102204	102130	74	460		99.55	0.039	99.59	99.60	Pass
Class 2	5621	5621		813		85.54	0.570	86.11	95.00	Failed
Class 3	2431	2431		376	20	84.53	0.779	85.31	96.00	Failed
Class 4	23677	23618	59	1709	7	92.78	0.127	92.91	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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