AVC Accuracy Reconciliation Report

Operating Period (2026/03/01 - 2026/03/31)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#
	1088545	1089241	697	2	2	0	1	0	1088289	1088984	696	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	699	696	3	131		99.57	0.078	99.65	99.90	Failed
Class 1	388	387	1	92		76.23	0.019	76.25	99.60	Failed
Class 2	38	38	0	3		92.11	0.285	92.39	95.00	Failed
Class 3	26	26	0	12		53.85	0.332	54.18	96.00	Failed
Class 4	247	245	2	24		90.20	0.086	90.29	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#
	249284	261773	12490	1	0	0	0	2	262156	274640	12485	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	12491	12489	1	74	4	99.98	0.073	100.00	99.90	Pass
Class 1	8383	8383	0	17		99.80	0.019	99.82	99.60	Pass
Class 2	638	638	0	17		97.34	0.285	97.62	95.00	Pass

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Class 3	306	306	0	30	3	89.22	0.332	89.55	96.00	Failed
Class 4	3163	3162	1	10	1	99.65	0.086	99.74	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#
	1367679	1396694	29016	5	5	0	4	0	1402945	1431956	29012	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	29021	29012	9	443	11	99.97	0.048	100.00	99.90	Pass
Class 1	20621	20613	8	278		98.65	0.019	98.67	99.60	Failed
Class 2	1447	1447	0	87		93.99	0.285	94.27	95.00	Failed
Class 3	714	714	0	58	5	91.18	0.332	91.51	96.00	Failed
Class 4	6239	6238	1	20	6	99.58	0.086	99.67	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#
	1464529	1492192	27664	3	3	0	2	0	1506486	1534147	27662	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	27667	27662	5	136	4	99.98	0.049	100.00	99.90	Pass
Class 1	24751	24746	5	47		99.81	0.019	99.83	99.60	Pass
Class 2	785	785	0	61		92.23	0.285	92.51	95.00	Failed
Class 3	301	301	0	22	3	91.69	0.332	92.02	96.00	Failed
Class 4	1830	1830	0	6	1	99.62	0.086	99.71	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#
	69867	11	10	0	7	2	69855	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	69878	69859	18	784	19	99.97	0.031	100.00	99.90	Pass
Class 1	54143	54129	14	434		99.20	0.053	99.25	99.60	Failed
Class 2	2908	2908		168		94.22	0.792	95.01	95.00	Pass

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Class 3	1347	1347		122	11	90.94	1.046	91.99	96.00	Failed
Class 4	11479	11475	4	60	8	99.48	0.182	99.66	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#
	69867	11	10	0	7	2	69855	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	69878	69859	18	784	19	99.95	0.031	99.98	99.90	Pass
Class 1	54143	54129	14	434		99.20	0.053	99.25	99.60	Failed
Class 2	2908	2908		168		94.22	0.792	95.01	95.00	Pass
Class 3	1347	1347		122	11	90.94	1.046	91.99	96.00	Failed
Class 4	11479	11475	4	60	8	99.48	0.182	99.66	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#
	1646053	1674447	28395	9	8	0	6	28	1690196	1718585	28390	28

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	28404	28362	42	226		99.85	0.048	99.90	99.90	Pass
Class 1	26459	26417	42	115		99.56	0.019	99.58	99.60	Failed
Class 2	682	682	0	66		90.32	0.285	90.60	95.00	Failed
Class 3	173	173	0	21		87.86	0.332	88.19	96.00	Failed
Class 4	1090	1090	0	24		97.80	0.086	97.89	99.00	Failed

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#
	67866	79760	11895	1	0	0	0	1	750235	762130	11896	1

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	11896	11895	1	54	1	99.99	0.075	100.00	99.90	Pass
Class 1	9049	9048	1	6		99.93	0.019	99.95	99.60	Pass
Class 2	536	536	0	19		96.46	0.285	96.74	95.00	Pass
Class 3	226	226	0	25	1	88.50	0.332	88.83	96.00	Failed
Class 4	2085	2085	0	4		99.81	0.086	99.90	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#
	1101109	1129614	28506	33	33	0	1	2	1763207	1791710	28504	1

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	28539	28503	36	1551	17	99.87	0.048	99.92	99.90	Pass
Class 1	17496	17485	11	100		99.43	0.019	99.45	99.60	Failed
Class 2	1642	1642	0	190		88.43	0.285	88.72	95.00	Failed
Class 3	802	802	0	210	14	72.07	0.332	72.40	96.00	Failed
Class 4	8599	8574	25	1051	3	87.71	0.086	87.80	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#
	68796	43	41	0	7	31	68790	30

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	68839	68760	79	1831	18	99.89	0.031	99.92	99.90	Pass
Class 1	53004	52950	54	221		99.58	0.054	99.63	99.60	Pass
Class 2	2860	2860		275		90.38	0.799	91.18	95.00	Failed
Class 3	1201	1201		256	15	78.68	1.108	79.79	96.00	Failed
Class 4	11774	11749	25	1079	3	90.84	0.180	91.02	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#
	68796	43	41	0	7	31	68790	30

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

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

Overall Count	68839	68760	79	1831	18	99.86	0.031	99.89	99.90	Pass
Class 1	53004	52950	54	221		99.58	0.054	99.63	99.60	Pass
Class 2	2860	2860		275		90.38	0.799	91.18	95.00	Failed
Class 3	1201	1201		256	15	78.68	1.108	79.79	96.00	Failed
Class 4	11774	11749	25	1079	3	90.84	0.180	91.02	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#*
	138663	*54*	*51*	*0*	*14*	*33*	*138645*	*30*

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	138717	138619	97	2615	37	99.90	0.022	99.92	99.90	Pass
Class 1	107147	107079	68	655		99.39	0.038	99.43	99.60	Failed
Class 2	5768	5768		443		92.32	0.562	92.88	95.00	Failed
Class 3	2548	2548		378	26	74.29	0.761	75.05	96.00	Failed
Class 4	23253	23224	29	1139	11	97.18	0.128	97.31	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#*
	138663	*54*	*51*	*0*	*14*	*33*	*138645*	*30*

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	138717	138619	97	2615	37	99.90	0.022	99.92	99.90	Pass
Class 1	107147	107079	68	655		99.39	0.038	99.43	99.60	Failed
Class 2	5768	5768		443		92.32	0.562	92.88	95.00	Failed
Class 3	2548	2548		378	26	85.16	0.761	85.92	96.00	Failed
Class 4	23253	23224	29	1139	11	95.10	0.128	95.23	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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