AVC Accuracy Reconciliation Report

Operating Period (2026/01/01 - 2026/01/31)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#
	1088250	1088418	169	3	3	0	0	4	1087994	1088162	169	4

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	172	165	7	13		95.93	0.078	96.01	99.90	Failed
Class 1	26	22	4	1		95.45	0.019	95.47	99.60	Failed
Class 2	4	4	0	1		75.00	0.285	75.28	95.00	Failed
Class 3	10	10	0	10		0.00	0.332	0.33	96.00	Failed
Class 4	132	129	3	1		99.22	0.086	99.31	99.00	Pass

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#
	230144	238987	8844	1	1	0	0	0	243032	251875	8844	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	8845	8844	1	41	4	99.99	0.078	100.00	99.90	Pass
Class 1	6118	6118	0	10		99.84	0.019	99.86	99.60	Pass
Class 2	415	415	0	15		96.39	0.285	96.67	95.00	Pass

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Class 3	222	222	0	11	3	93.69	0.332	94.02	96.00	Failed
Class 4	2090	2089	1	5	1	99.71	0.086	99.80	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#
	1314843	1342791	27949	13	13	0	2	1	1350117	1378063	27947	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	27962	27946	16	234	7	99.94	0.049	99.99	99.90	Pass
Class 1	20707	20691	16	84		99.59	0.019	99.61	99.60	Pass
Class 2	1260	1260	0	79		93.73	0.285	94.01	95.00	Failed
Class 3	652	652	0	49	5	91.72	0.332	92.05	96.00	Failed
Class 4	5343	5343	0	22	2	99.55	0.086	99.64	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#
	1414402	1440002	25601	6	6	0	2	0	1456363	1481961	25599	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	25607	25599	8	117	2	99.97	0.051	100.00	99.90	Pass
Class 1	23179	23171	8	44		99.81	0.019	99.83	99.60	Pass
Class 2	709	709	0	46		93.51	0.285	93.79	95.00	Failed
Class 3	253	253	0	18	2	92.09	0.332	92.42	96.00	Failed
Class 4	1466	1466	0	9		99.39	0.086	99.48	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#
	62563	23	23	0	4	5	62559	5

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	62586	62554	32	405	13	99.95	0.033	99.98	99.90	Pass
Class 1	50030	50002	28	139		99.72	0.055	99.78	99.60	Pass
Class 2	2388	2388		141		94.10	0.874	94.97	95.00	Pass

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Class 3	1137	1137		88	10	92.26	1.139	93.4	96.00	Failed
Class 4	9031	9027	4	37	3	99.59	0.205	99.79	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#
	62563	23	23	0	4	5	62559	5

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	62586	62554	32	405	13	99.93	0.033	99.96	99.90	Pass
Class 1	50030	50002	28	139		99.72	0.055	99.78	99.60	Pass
Class 2	2388	2388		141		94.10	0.874	94.97	95.00	Pass
Class 3	1137	1137		88	10	92.26	1.139	93.4	96.00	Failed
Class 4	9031	9027	4	37	3	99.59	0.205	99.79	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#
	1583899	1619478	35580	9	9	0	2	4	1628041	1663618	35578	4

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	35589	35574	15	181		99.96	0.043	100.00	99.90	Pass
Class 1	33701	33686	15	126		99.63	0.019	99.65	99.60	Pass
Class 2	693	693	0	40		94.23	0.285	94.51	95.00	Failed
Class 3	205	205	0	8		96.10	0.332	96.43	96.00	Pass
Class 4	990	990	0	7		99.29	0.086	99.38	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#
	53216	58839	5624	0	0	0	0	0	735583	741206	5624	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

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Overall Count	5624	5624	0	181		100.00	0.078	100.00	99.90	Pass
Class 1	4723	4723	0	166		96.49	0.019	96.51	99.60	Failed
Class 2	191	191	0	3		98.43	0.285	98.72	95.00	Pass
Class 3	80	80	0	11		86.25	0.332	86.58	96.00	Failed
Class 4	630	630	0	1		99.84	0.086	99.93	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#
	1045530	1077502	31973	47	45	0	2	0	1707630	1739602	31973	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	32020	31972	47	312	10	99.85	0.046	99.90	99.90	Pass
Class 1	22194	22182	12	136		99.39	0.019	99.41	99.60	Failed
Class 2	1622	1621	1	85		94.76	0.285	95.04	95.00	Pass
Class 3	784	784	0	46	6	93.37	0.332	93.70	96.00	Failed
Class 4	7419	7385	34	45	4	99.34	0.086	99.43	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#
	73177	56	54	0	4	4	73175	5

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	73233	73170	62	674	10	99.92	0.030	99.95	99.90	Pass
Class 1	60618	60591	27	428		99.29	0.050	99.34	99.60	Failed
Class 2	2506	2505	1	128		94.89	0.853	95.74	95.00	Pass
Class 3	1069	1069		65	6	93.92	1.175	95.09	96.00	Failed
Class 4	9039	9005	34	53	4	99.41	0.205	99.61	99.00	Pass

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#
	73177	56	54	0	4	4	73175	5

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	73233	73170	62	674	10	99.90	0.030	99.93	99.90	Pass
Class 1	60618	60591	27	428		99.29	0.050	99.34	99.60	Failed
Class 2	2506	2505	1	128		94.89	0.853	95.74	95.00	Pass
Class 3	1069	1069		65	6	93.92	1.175	95.09	96.00	Failed
Class 4	9039	9005	34	53	4	99.41	0.205	99.61	99.00	Pass

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#*
	135740	*79*	*77*	*0*	*8*	*9*	*135734*	*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	135819	135724	94	1079	23	99.91	0.022	99.93	99.90	Pass
Class 1	110648	110593	55	567		99.49	0.037	99.53	99.60	Failed
Class 2	4894	4893	1	269		94.50	0.611	95.11	95.00	Pass
Class 3	2206	2206		153	16	74.30	0.818	75.12	96.00	Failed
Class 4	18070	18032	38	90	7	96.86	0.145	97.00	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#*
	135740	*79*	*77*	*0*	*8*	*9*	*135734*	*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	135819	135724	94	1079	23	99.91	0.022	99.93	99.90	Pass
Class 1	110648	110593	55	567		99.49	0.037	99.53	99.60	Failed
Class 2	4894	4893	1	269		94.50	0.611	95.11	95.00	Pass
Class 3	2206	2206		153	16	93.06	0.818	93.88	96.00	Failed
Class 4	18070	18032	38	90	7	99.50	0.145	99.64	99.00	Pass

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.

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

- **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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