

Economic Development Committee

Inquiry into the road safety benefits of fixed
speed cameras

Submission 30

The Research Director,

Economic Development Committee
Parliament House
George Street
Brisbane, Qld. 4000
20/04/10
Ref: Issues Paper No.2

Dear Sir,

At our Action Planning meeting on 15/04/10 I was tasked to forward a letter with documented evidence of RAAG Inc support for a fixed speed camera at the top of the Eton Range Mackay, targeting motorist travelling in an easterly direction.

As you may be aware, RAAG Inc have submitted numerous reports to the Travel Safe Committee, various coroners, and submissions to State and Federal government departments on a variety of road safety issues, including our concern over the Eton Range.

It is the combined view of the majority of our members and voted by the executive committee to support a fixed speed camera at the top of the Eton Range.

It is also our view that the speed camera should be appropriately signed to warn motorist of its location. We acknowledge its primary purpose is to reduce the speed of motorist on their approach to the top of the range

Our committee is not in support of the fixing of a speed camera which is clandestine as the objective is to utilise a further resource [the cameras] to slow motorist to a safe speed prior to reaching the top of the range.

There have been a number of crashes on the range, including four fatalities in recent years, a number of other serious crashes, several speed related.

The ripple effect from these crashes is wide as each crash causes closure of the range, severe economic losses due to the closure the main access to Bowen Basin mines, stretches to the limit emergency crews, and Police, compounding fatigue problems we already have on this high crash zone road, trauma to all involved.

The speeding danger is best described as the top of the range drops off rapidly with a 12% plus grade, hair pin corners with steep camber, steel barriers only between the roadway and near cliff face, loaded trucks descend between 5-15kms per hour, cars approaching from the rear at up to 140kph plus in a 60 kph zone, traffic numbers exceed the Bruce Highway during peak periods.



We believe all of the above is appropriate for the first Fixed Speed Camera in Central and North Qld, electricity supply is close by [for flashing lights], ample statistical data to support installation, we doubt any member of the public could contest the need with these statistics.

We see a role for fixed speed cameras in locations that statistically have shown speed has been a contributing factor to fatalities and road trauma.

Due to our members and advisers roles, we feel in inappropriate to comment on the criteria used in selecting sites, and environments outside of our operational area.

We would appreciate any assistance you can provide with this project, and should it be established this location meets the desired criteria for the installation of a fixed camera, we would urge that such installation be expedited and installed as soon as it is reasonably practicable.

Please find attached our current statistics

Kind Regards,

Graeme Ransley
Road Safety Coordinator

MetroCount Traffic Executive Speed Histogram

SpeedHist-836 -- English (ENA)

Datasets:

Site: [33B_1] EAP_33B_100km zone top of Eton Range (Site 1) Lane A
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 15:00 Thursday, 4 June 2009 => 11:38 Tuesday, 23 June 2009
File: 33B_123Jun2009.EC0 (Plus)
Identifier: T858AH92 MC56-L5 [MC56] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 15:00 Thursday, 4 June 2009 => 11:38 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: Greater than 4.00 seconds. - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AustRoads94)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 21743 / 86891 (25.02%)

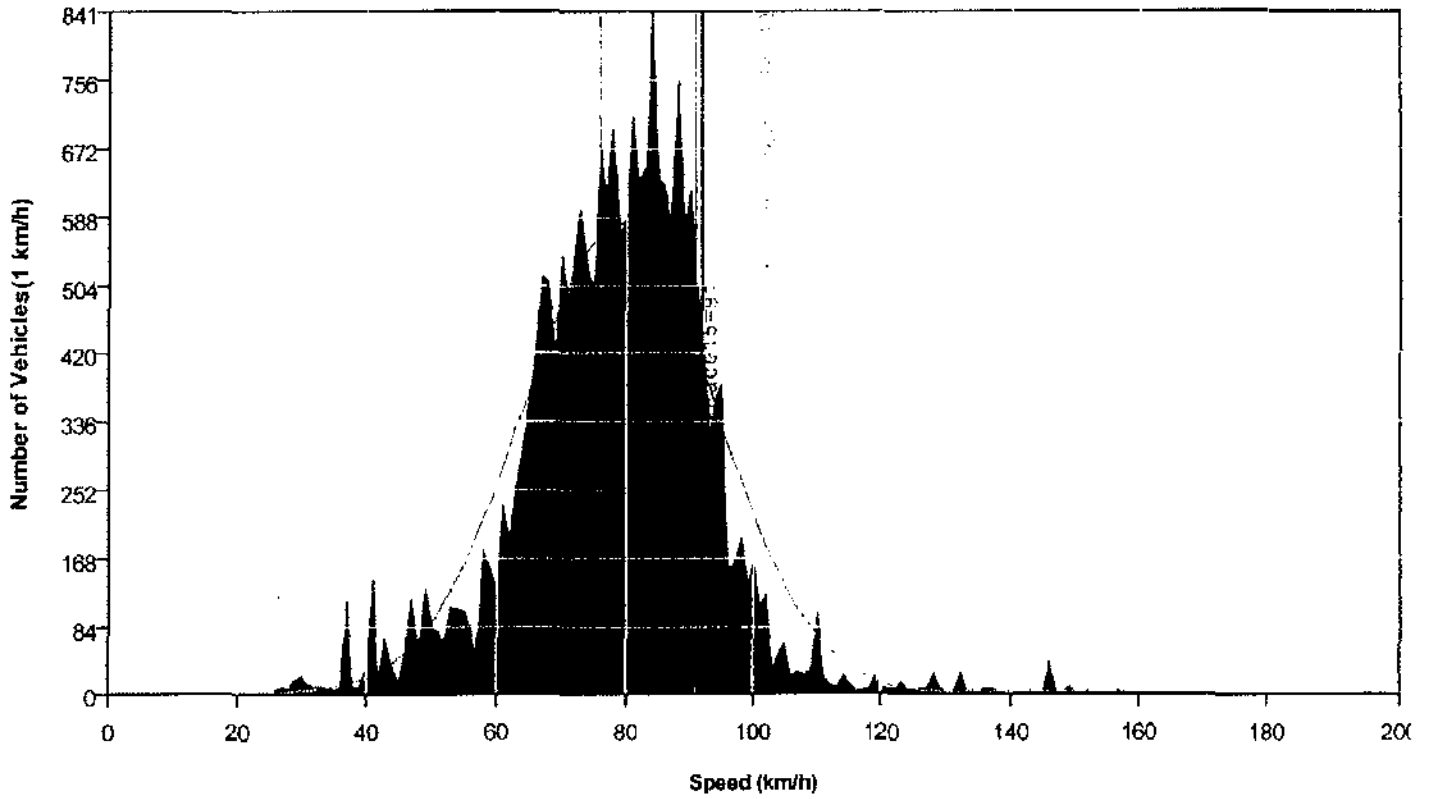
Speed Statistics

Vehicles = 21743
 Posted speed limit = 100 km/h, Exceeding = 1051 (4.83%), Mean Exceeding = 112.32 km/h
 Maximum = 198.1 km/h, Minimum = 4.4 km/h, Mean = 79.1 km/h
 85% Speed = 91.8 km/h, 95% Speed = 99.4 km/h, Median = 79.9 km/h
 15 km/h Pace = 76 - 91, Number In Pace = 9829 (45.21%)
 Variance = 224.92, Standard Deviation = 15.00 km/h

ALL VEHICLES

Speed Histogram

SpeedHist-836 (Metric) Site:33B_1.0EW
Description: EAP_33B_100km zone top of Eton Range (Site 1) Lane A
Filter time: 15:00 Thursday, 4 June 2009 => 11:38 Tuesday, 23 June 2009
Filter: Cla(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>4)
Schema: Vehicle classification (AusRoads94)



ALL VEHICLES

MetroCount Traffic Executive Speed Histogram

SpeedHist-837 -- English (ENA)

Datasets:

Site: [33B_10] EAP_33B_80km zone top of Eton Range (Site 2) Lane A
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 16:00 Thursday, 4 June 2009 => 11:36 Tuesday, 23 June 2009
File: 33B_1023Jun2009.EC0 (Plus)
Identifier: T896TP03 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 16:00 Thursday, 4 June 2009 => 11:36 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: Greater than 4.00 seconds. - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AustRoads94)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 9821 / 14184 (69.24%)

Speed Statistics

Vehicles = 9821
 Posted speed limit = 80 km/h, Exceeding = 1671 (17.01%), Mean Exceeding = 86.37 km/h
 Maximum = 119.4 km/h, Minimum = 9.4 km/h, Mean = 68.9 km/h
 85% Speed = 80.6 km/h, 95% Speed = 87.8 km/h, Median = 68.8 km/h
 15 km/h Pace = 62.77, Number In Pace = 4784 (48.71%)
 Variance = 141.05, Standard Deviation = 11.88 km/h

ALL VEHICLES

Speed Histogram

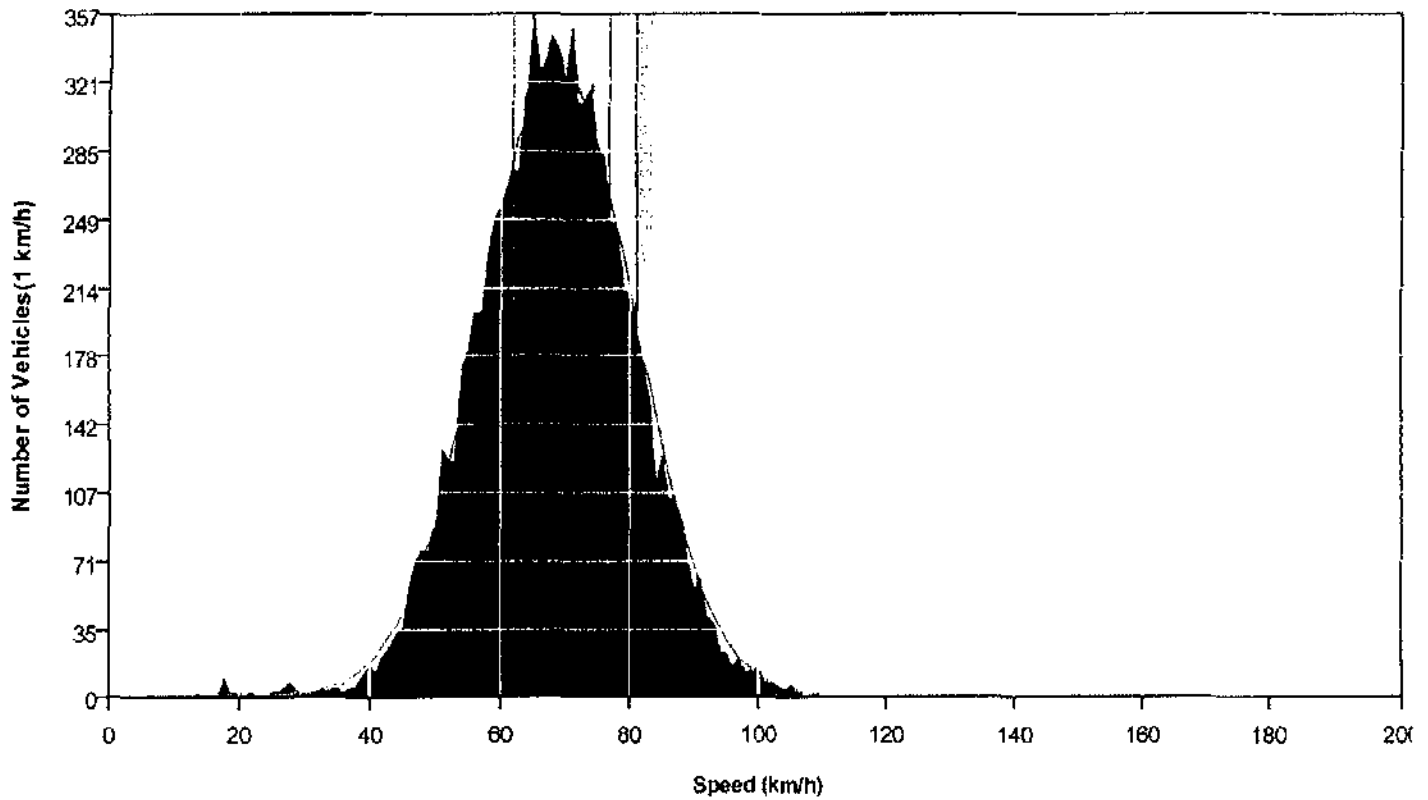
SpeedHist-837 (Metric) Site:33B_10.0EW

Description: EAP_33B_80km zone top of Eton Range (Site 2) Lane A

Filter time: 16:00 Thursday, 4 June 2009 => 11:36 Tuesday, 23 June 2009

Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>4)

Scheme: Vehicle classification (AusRoads94)



ALL VEHICLES.

MetroCount Traffic Executive Speed Histogram

SpeedHist-839 -- English (ENA)

Datasets:

Site: [33B_11] EAP_33B_60km zone 250m before Eton Range (Site 3) Lane A
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 14:00 Thursday, 4 June 2009 => 11:50 Tuesday, 23 June 2009
File: 33B_1123Jun2009.EC0 (Plus)
Identifier: Y752CYPY MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 14:00 Thursday, 4 June 2009 => 11:50 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: Greater than 4.00 seconds. - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AR94 Mod 325m)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 23110 / 69853 (33.08%)

Speed Statistics

Vehicles = 23110
 Posted speed limit = 80 km/h, Exceeding = 18893 (81.75%), Mean Exceeding = 76.12 km/h
 Maximum = 129.5 km/h, Minimum = 6.2 km/h, Mean = 71.5 km/h
 85% Speed = 86.0 km/h, 95% Speed = 96.1 km/h, Median = 70.6 km/h
 15 km/h Pace = 81 - 76, Number in Pace = 10210 (44.18%)
 Variance = 217.88, Standard Deviation = 14.76 km/h

ALL VEHICLES

Speed Histogram

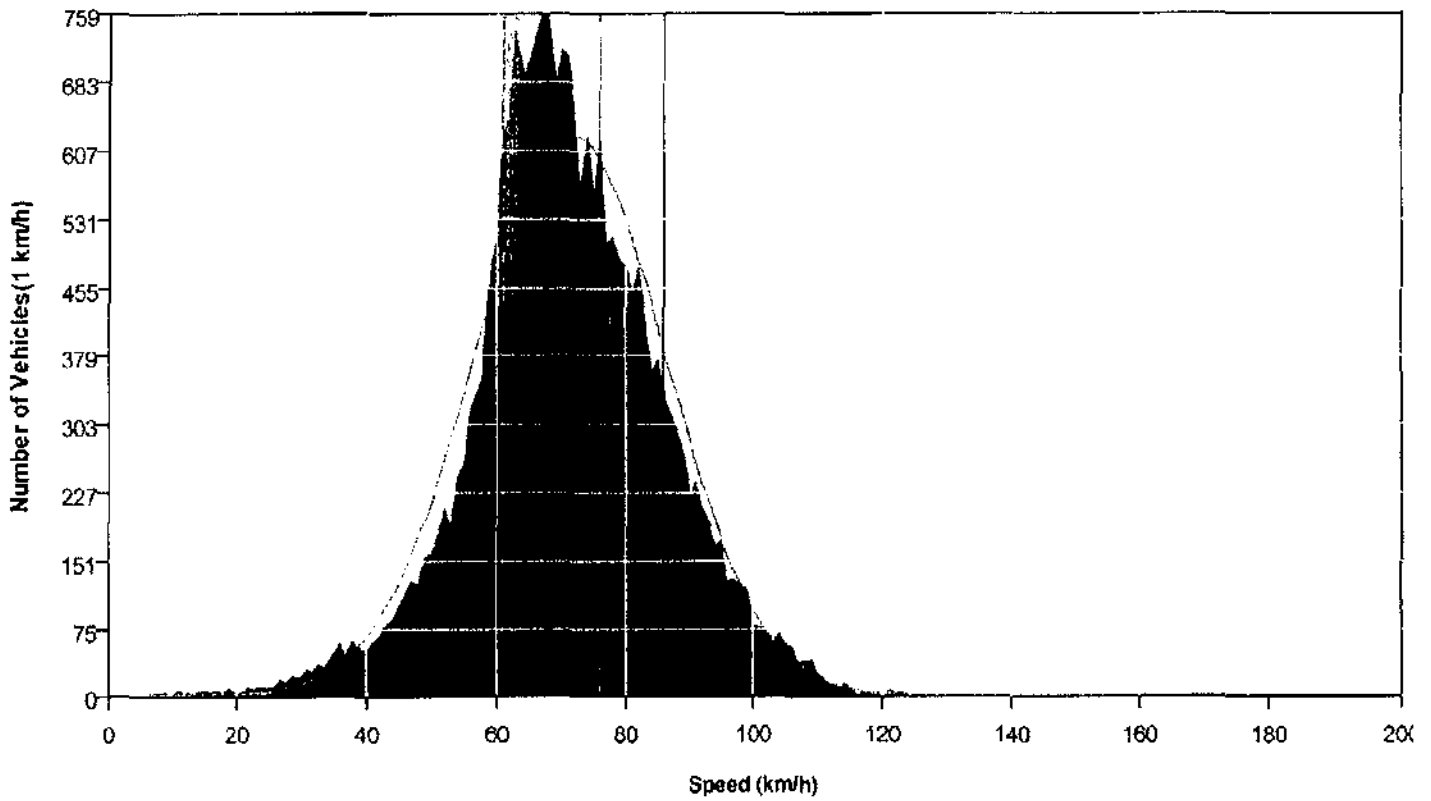
SpeedHist-839 (Metric) Site:33B_11.0EW

Description: EAP_33B_60km zone 250m before Eton Range (Site 3) Lane A

Filter time: 14:00 Thursday, 4 June 2009 => 11:50 Tuesday, 23 June 2009

Filter: C(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>4)

Scheme: Vehicle classification (AR94 Mod 325m)



ALL VEHICLES

MetroCount Traffic Executive Speed Histogram

SpeedHist-841 -- English (ENA)

Datasets:

Site: [33B_12] EAP_33B_60km zone 100m below Eton Range (Site 4) Lane A
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 14:00 Thursday, 4 June 2009 => 11:44 Tuesday, 23 June 2009
File: 33B_1223Jun2009.EC0 (Plus)
Identifier: Y75744W3 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 14:00 Thursday, 4 June 2009 => 11:44 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: Greater than 4.00 seconds. - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AR94 Mod 33m)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 23653 / 71097 (33.27%)

Speed Statistics

Vehicles = 23653
Posted speed limit = 60 km/h, Exceeding = 13922 (58.86%), Mean Exceeding = 72.54 km/h
Maximum = 130.6 km/h, Minimum = 6.5 km/h, Mean = 59.1 km/h
85% Speed = 77.4 km/h, 95% Speed = 86.0 km/h, Median = 63.4 km/h
15 km/h Pace = 59 - 74, Number in Pace = 9315 (39.38%)
Variance = 414.23, Standard Deviation = 20.35 km/h

ALL VEHICLES

Speed Histogram

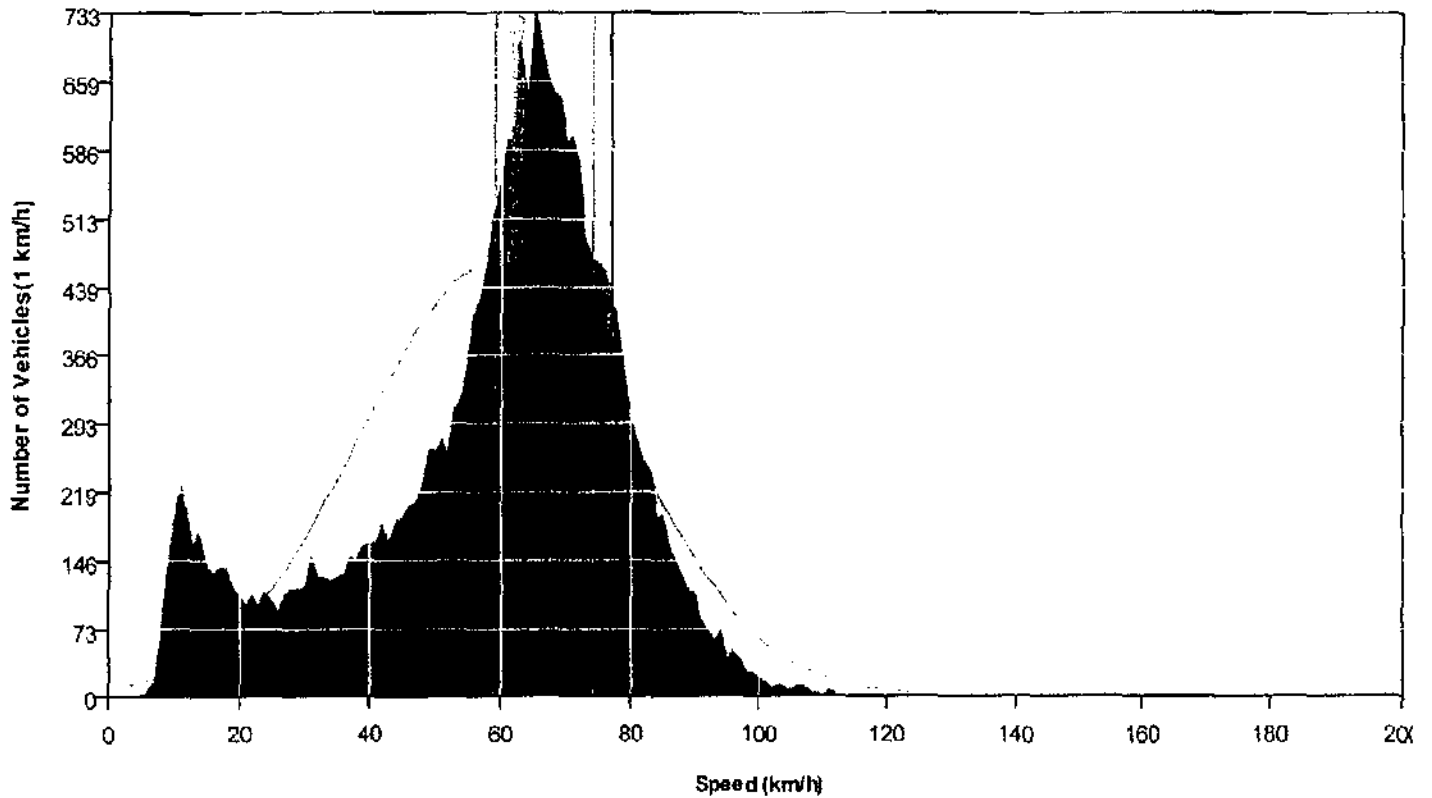
SpeedHist-841 (Metric) Site:33B_12.0EW

Description: EAP_33B_60km zone 100m below Eton Range (Site 4) Lane A

Filter time: 14:00 Thursday, 4 June 2009 => 11:44 Tuesday, 23 June 2009

Filter: C(s(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>4)

Scheme: Vehicle classification (AR94 Mod 33m)



ALL VEHICLES

MetroCount Traffic Executive Class Speed Matrix

ClassMatrix-851 -- English (ENA)

Datasets:

Site: [33B_1] EAP_33B_100km zone top of Eton Range (Site 1) Lane A
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 15:00 Thursday, 4 June 2009 => 11:38 Tuesday, 23 June 2009
File: 33B_123Jun2009.EC0 (Plus)
Identifier: T858AH92 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 15:00 Thursday, 4 June 2009 => 11:38 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AR94 Mod 325m)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 42967 / 86891 (49.45%)

Class Speed Matrix

ClassMatrix-851

Site: 33B_1.0EW
 Description: EAP_33B_100km zone top of Eton Range (Site 1) Lane A
 Filter time: 15:00 Thursday, 4 June 2009 => 11:38 Tuesday, 23 June 2009
 Scheme: Vehicle classification (AR94 Mod 325m)
 Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>0)

Speed (km/h)	Class												Speed Totals	
	1	2	3	4	5	6	7	8	9	10	11	12		
0 - 10	1	.	.	.	.	.	.	.	.	.	.	.	1	0.0%
10 - 20	11	.	.	.	.	.	.	.	1	.	.	.	13	0.0%
20 - 30	59	.	2	4	1	.	.	.	1	.	.	.	67	0.2%
30 - 40	356	.	4	2	.	.	.	.	4	5	.	.	372	0.9%
40 - 50	1010	.	1	.	14	.	.	1	14	24	3	.	1067	2.5%
50 - 60	1763	2	4	8	26	.	.	1	29	66	4	.	1903	4.4%
60 - 70	6268	27	20	131	37	.	7	4	58	27	4	.	6583	15.3%
70 - 80	11230	35	37	394	38	.	4	9	61	43	2	.	11854	27.6%
80 - 90	12319	67	32	337	33	1	6	6	46	51	4	.	12898	30.0%
90 - 100	5547	32	21	131	5	.	.	3	7	8	.	.	5754	13.4%
100 - 110	1304	6	3	10	.	.	.	.	1	.	.	.	1324	3.1%
110 - 120	475	.	15	.	.	.	.	.	.	.	.	.	490	1.1%
120 - 130	294	.	11	.	.	.	.	.	.	.	.	.	305	0.7%
130 - 140	114	.	8	.	.	.	.	.	.	.	.	.	122	0.3%
140 - 150	114	.	6	1	.	.	.	.	.	.	.	.	121	0.3%
150 - 160	25	.	12	2	.	.	.	.	.	.	.	.	39	0.1%
160 - 170	10	.	5	.	.	.	.	.	1	.	.	.	16	0.0%
170 - 180	6	.	4	1	.	.	.	.	.	.	.	.	11	0.0%
180 - 190	11	.	3	.	.	.	.	.	.	.	.	.	14	0.0%
190 - 200	12	.	1	.	.	.	.	.	.	.	.	.	13	0.0%
	40925	170	189	1021	155	1	17	24	223	224	17	1	42967	
	95.2%	0.4%	0.4%	2.4%	0.4%	0.0%	0.0%	0.1%	0.5%	0.5%	0.0%	0.0%		
	Class Totals													

MetroCount Traffic Executive Class Speed Matrix

ClassMatrix-852 -- English (ENA)

Datasets:

Site: [33B_10] EAP_33B (80km zone top of Eton Range) (Site 2) Lane A
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 16:00 Thursday, 4 June 2009 => 11:36 Tuesday, 23 June 2009
File: 33B_1023Jun2009.EC0 (Plus)
Identifier: T896TP03 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 16:00 Thursday, 4 June 2009 => 11:36 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h
Direction: North, East, South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AR94 Mod 325m)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 13838 / 14184 (97.56%)

Class Speed Matrix

ClassMatrix-852

Site: 33B_10.0EW
 Description: EAP_33B_80km zone top of Eton Range (Site 2) Lane A
 Filter time: 16:00 Thursday, 4 June 2009 => 11:36 Tuesday, 23 June 2009
 Scheme: Vehicle classification (AR94 Mod 325m)
 Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>0)

Speed (km/h)	Class												Speed Totals	
	1	2	3	4	5	6	7	8	9	10	11	12		
0 - 10	1	.	.	.	.	.	.	.	.	.	.	.	1	0.0%
10 - 20	16	.	2	6	.	.	.	.	.	.	.	.	24	0.2%
20 - 30	30	.	2	3	1	.	.	.	1	.	.	.	37	0.3%
30 - 40	58	4	3	2	.	.	1	1	4	4	.	.	77	0.6%
40 - 50	443	27	30	32	5	.	1	4	32	63	2	.	639	4.6%
50 - 60	1547	99	108	72	13	5	8	9	163	232	7	1	2264	16.4%
60 - 70	3257	210	193	93	21	5	23	18	193	242	3	.	4258	30.8%
70 - 80	3446	147	142	72	18	4	15	14	115	173	10	.	4156	30.0%
80 - 90	1645	64	58	21	3	1	3	3	42	45	1	.	1886	13.6%
90 - 100	387	10	13	5	.	.	.	3	4	8	.	.	430	3.1%
100 - 110	57	.	.	2	.	.	.	.	1	.	.	.	60	0.4%
110 - 120	4	.	1	.	.	.	.	.	.	.	.	.	5	0.0%
120 - 130	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
130 - 140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140 - 150	1	.	.	.	.	.	.	.	.	.	.	.	1	0.0%
150 - 160	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
160 - 170	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
170 - 180	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
180 - 190	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
190 - 200	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
	10892	561	552	308	61	15	51	52	555	767	23	1	13838	
	78.7%	4.1%	4.0%	2.2%	0.4%	0.1%	0.4%	0.4%	4.0%	5.5%	0.2%	0.0%		
	Class Totals													

MetroCount Traffic Executive Class Speed Matrix

ClassMatrix-853 -- English (ENA)

Datasets:

Site: [33B_11] EAP_33B (60km zone 250m before Eton Range) Site 3) Lane A
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 14:00 Thursday, 4 June 2009 => 11:50 Tuesday, 23 June 2009
File: 33B_1123Jun2009.EC0 (Plus)
Identifier: Y752CYPY MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 14:00 Thursday, 4 June 2009 => 11:50 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AR94 Mod 325m)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 35203 / 69853 (50.40%)

Class Speed Matrix

ClassMatrix-853

Site: 33B_11.0EW
 Description: EAP_33B_60km zone 250m before Eton Range (Site 3) Lane A
 Filter time: 14:00 Thursday, 4 June 2009 => 11:50 Tuesday, 23 June 2009
 Scheme: Vehicle classification (AR94 Mod 325m)
 Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>0)

Speed (km/h)	Class												Speed Totals	
	1	2	3	4	5	6	7	8	9	10	11	12		
0 - 10	10	.	2	.	.	.	.	.	.	.	.	.	12	0.0%
10 - 20	67	2	10	5	2	2	.	1	3	.	.	.	92	0.3%
20 - 30	159	5	9	9	8	1	.	1	25	27	2	.	246	0.7%
30 - 40	296	17	44	47	13	.	4	4	66	187	11	1	712	2.0%
40 - 50	809	58	128	98	7	2	19	25	222	359	25	1	1753	5.0%
50 - 60	2685	184	428	182	51	9	40	30	455	573	17	.	4654	13.2%
60 - 70	8466	499	561	217	59	10	47	34	348	449	16	1	10707	30.4%
70 - 80	7829	371	306	82	24	9	12	13	119	108	5	.	8878	25.2%
80 - 90	4770	152	107	27	5	1	2	4	16	21	1	.	5106	14.5%
90 - 100	2063	46	34	10	4	1	2	1	5	8	.	.	2173	6.2%
100 - 110	705	10	17	1	.	1	.	.	.	1	.	.	735	2.1%
110 - 120	105	.	3	.	1	.	.	.	.	.	.	.	109	0.3%
120 - 130	26	.	.	.	.	.	.	.	.	.	.	.	26	0.1%
130 - 140	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
140 - 150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
150 - 160	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
160 - 170	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
170 - 180	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
180 - 190	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
190 - 200	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
	27990	1344	1649	678	174	36	125	113	1281	1733	77	3	35203	
	79.5%	3.8%	4.7%	1.9%	0.5%	0.1%	0.4%	0.3%	3.6%	4.9%	0.2%	0.0%		
	Class Totals													

MetroCount Traffic Executive Class Speed Matrix

ClassMatrix-854 – English (ENA)

Datasets:

Site: [33B_12] EAP_33B_60km zone 100m below Eton Range (Site 4) Lane A
Direction: 8 - East bound A>B. West bound B>A. Lane: 0
Survey Duration: 14:00 Thursday, 4 June 2009 => 11:44 Tuesday, 23 June 2009
File: 33B_1223Jun2009.EC0 (Plus)
Identifier: Y75744W3 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 14:00 Thursday, 4 June 2009 => 11:44 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AR94 Mod 33m)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 35758 / 71097 (50.29%)

Class Speed Matrix

ClassMatrix-854

Site: 33B_12.0EW
 Description: EAP_33B_60km zone 100m below Eton Range (Site 4) Lane A
 Filter time: 14:00 Thursday, 4 June 2009 => 11:44 Tuesday, 23 June 2009
 Scheme: Vehicle classification (AR94 Mod 33m)
 Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0.200) Headway(>0)

Speed (km/h)	Class												Speed Totals	
	1	2	3	4	5	6	7	8	9	10	11	12		
0 - 10	84	.	6	35	31	.	.	1	28	32	4	.	231	0.6%
10 - 20	1252	19	114	226	106	5	9	29	275	346	20	.	2401	6.7%
20 - 30	990	34	179	174	34	4	12	23	236	138	14	.	1838	5.1%
30 - 40	1133	90	254	203	41	6	24	30	279	276	6	.	2335	6.5%
40 - 50	1860	167	322	173	41	2	23	24	312	347	13	.	3285	9.2%
50 - 60	4859	344	380	94	33	10	26	16	135	192	10	.	6100	17.1%
60 - 70	9099	380	301	36	9	5	6	6	25	51	2	.	9921	27.7%
70 - 80	6207	150	91	8	1	2	1	1	3	9	.	.	6473	18.1%
80 - 90	2355	26	17	1	.	2	.	.	1	.	.	.	2402	6.7%
90 - 100	635	5	5	.	.	.	.	.	.	.	.	.	645	1.8%
100 - 110	101	.	2	.	.	.	.	.	.	.	.	.	103	0.3%
110 - 120	17	.	.	.	1	.	.	.	.	.	.	.	18	0.1%
120 - 130	4	.	.	.	.	.	.	.	.	.	.	.	4	0.0%
130 - 140	2	.	.	.	.	.	.	.	.	.	.	.	2	0.0%
140 - 150	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
150 - 160	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
160 - 170	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
170 - 180	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
180 - 190	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
190 - 200	.	.	.	.	.	.	.	.	.	.	.	.	0	0.0%
	28598	1205	1671	950	297	36	101	130	1304	1391	71	4	35758	
	80.0%	3.4%	4.7%	2.7%	0.8%	0.1%	0.3%	0.4%	3.6%	3.9%	0.2%	0.0%		
	Class Totals													

MetroCount Traffic Executive Speed Histogram

SpeedHist-855 -- English (ENA)

Datasets:

Site: [33B_1] EAP_33B (100km zone top of Eton Range)(Site 1) Lane A
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 15:00 Thursday, 4 June 2009 => 11:38 Tuesday, 23 June 2009
File: 33B_123Jun2009.EC0 (Plus)
Identifier: T858AH92 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 15:00 Thursday, 4 June 2009 => 11:38 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AR94 Mod 325m)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 42967 / 86891 (49.45%)

Speed Statistics

Vehicles = 42967
 Posted speed limit = 100 km/h, Exceeding = 2455 (5.71%), Mean Exceeding = 114.38 km/h
 Maximum = 199.4 km/h, Minimum = 4.4 km/h, Mean = 79.4 km/h
 85% Speed = 91.4 km/h, 95% Speed = 100.8 km/h, Median = 79.6 km/h
 15 km/h Pace = 75 - 90, Number In Pace = 19475 (45.33%)
 Variance = 236.44, Standard Deviation = 15.38 km/h

HEAVY VEHICLES ONLY

 (HVO)

Speed Histogram

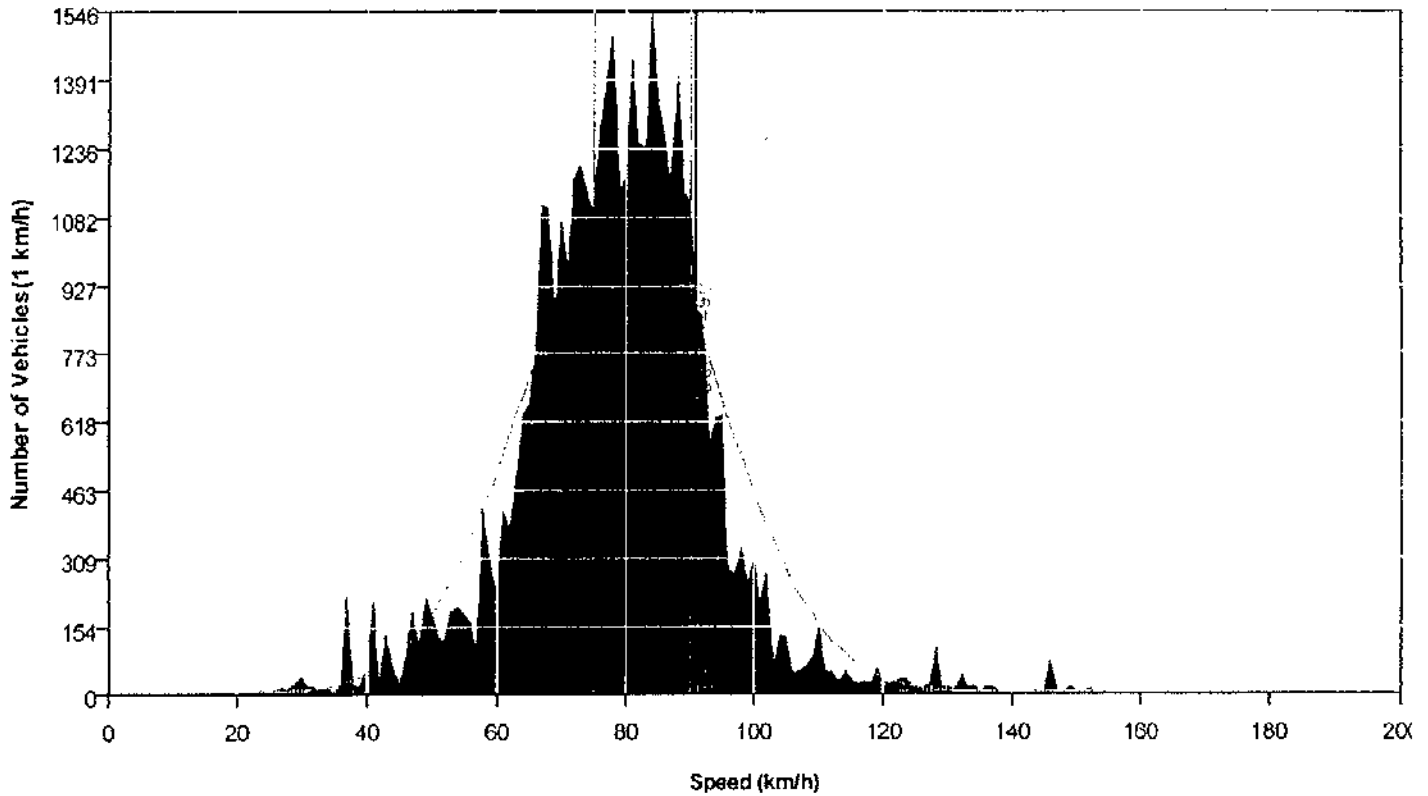
SpeedHist-855 (Metric) Site:33B_1.0EW

Description: EAP_33B_100km zone (top of Elon Range (Site 1) Lane A

Filter time: 15:00 Thursday, 4 June 2009 => 11:38 Tuesday, 23 June 2009

Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>0)

Scheme: Vehicle classification (AR94 Mod 325m)



HVO

MetroCount Traffic Executive Speed Histogram

SpeedHist-856 -- English (ENA)

Datasets:

Site: [33B_10] EAP_33B (80km zone top of Eton Range) (Site 2) Lane A
Direction: 8 - East bound A>B, West bound B>A, Lane: 0
Survey Duration: 16:00 Thursday, 4 June 2009 => 11:36 Tuesday, 23 June 2009
File: 33B_1023Jun2009.EC0 (Plus)
Identifier: T896TP03 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 16:00 Thursday, 4 June 2009 => 11:36 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AR94 Mod 325m)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 13838 / 14184 (97.56%)

Speed Statistics

Vehicles = 13838
 Posted speed limit = 80 km/h, Exceeding = 2382 (17.21%), Mean Exceeding = 86.37 km/h
 Maximum = 143.3 km/h, Minimum = 9.4 km/h, Mean = 69.0 km/h
 85% Speed = 81.0 km/h, 95% Speed = 87.8 km/h, Median = 69.1 km/h
 15 km/h Pace = 62 - 77, Number In Pace = 6788 (49.05%)
 Variance = 144.94, Standard Deviation = 12.04 km/h

(HVO)

Speed Histogram

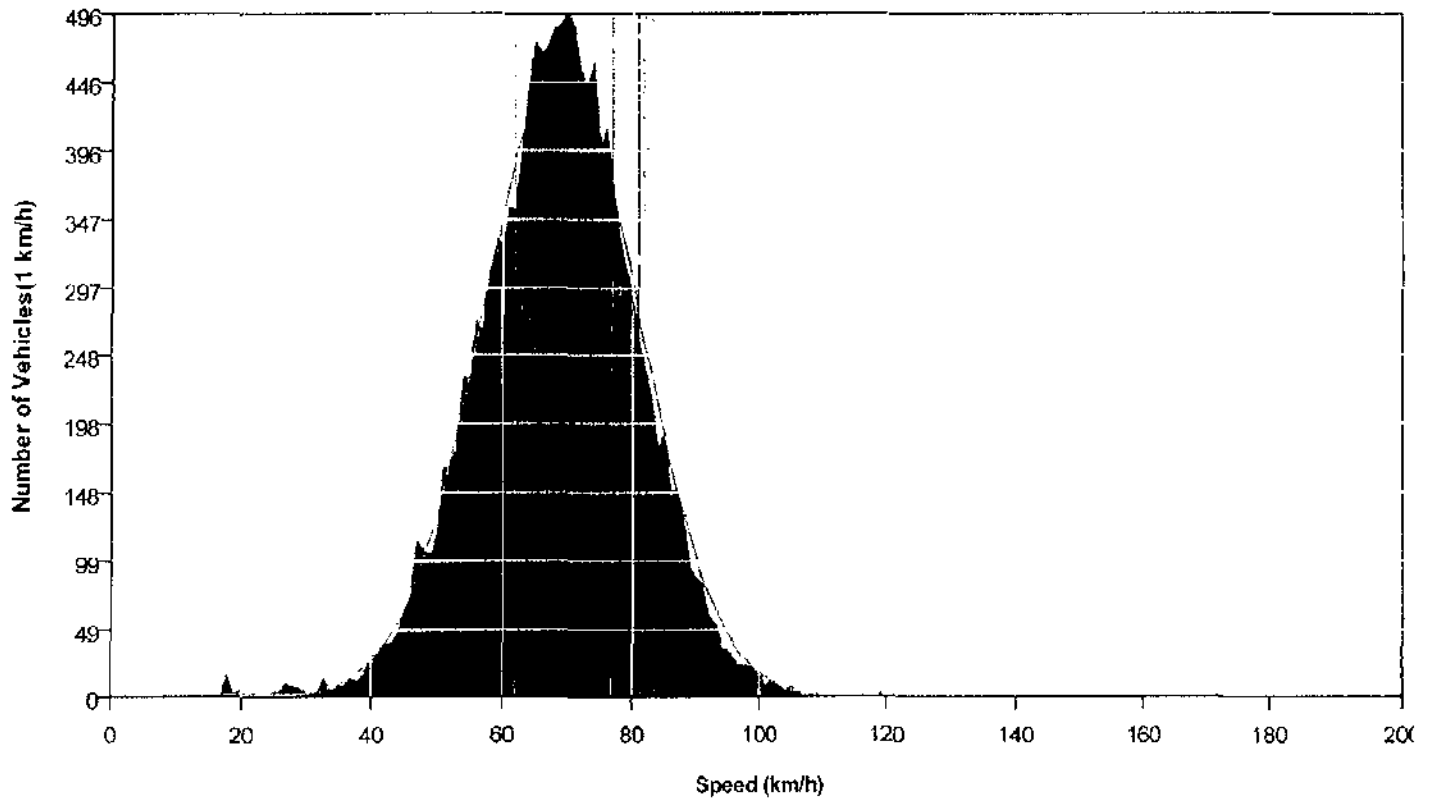
SpeedHist-856 (Metric) Site:33B_10.0EW

Description: EAP_33B_80km zone top of Eton Range (Site 2) Lane A

Filter time: 16:00 Thursday, 4 June 2009 => 11:36 Tuesday, 23 June 2009

Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>0)

Scheme: Vehicle classification (AR94 Mod 325m)



HVo

MetroCount Traffic Executive Speed Histogram

SpeedHist-857 -- English (ENA)

Datasets:

Site: [33B_11] EAP_33B 60km zone 250m before Eton Range (Site 3) Lane A
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 14:00 Thursday, 4 June 2009 => 11:50 Tuesday, 23 June 2009
File: 33B_1123Jun2009.EC0 (Plus)
Identifier: Y752CYPY MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 14:00 Thursday, 4 June 2009 => 11:50 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AR94 Mod 325m)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 35203 / 69853 (50.40%)

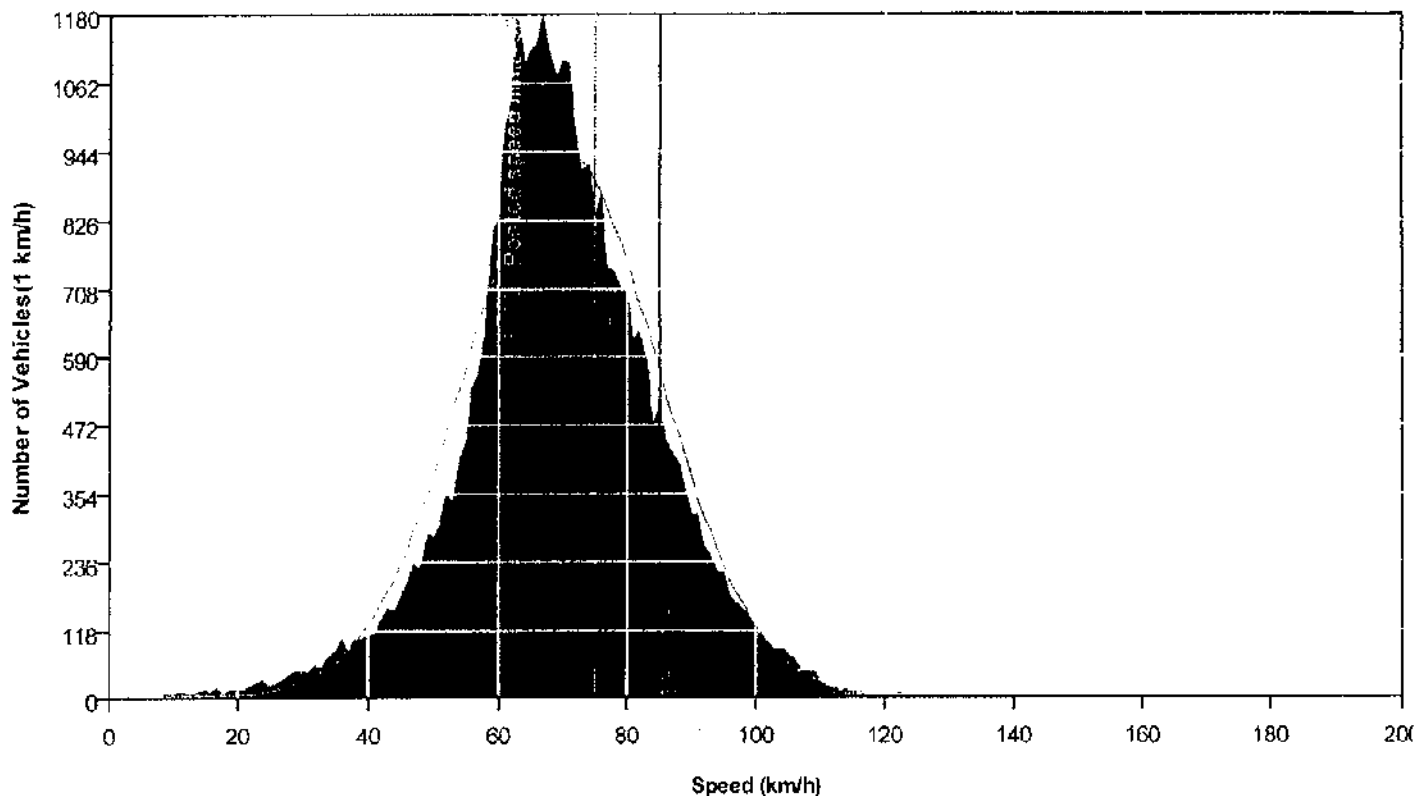
Speed Statistics

Vehicles = 35203
 Posted speed limit = 60 km/h, Exceeding = 27734 (78.78%), Mean Exceeding = 75.28 km/h
 Maximum = 129.5 km/h, Minimum = 6.2 km/h, Mean = 69.9 km/h
 85% Speed = 84.6 km/h, 95% Speed = 94.7 km/h, Median = 69.5 km/h
 15 km/h Pace = 60 - 75, Number in Pace = 15814 (44.92%)
 Variance = 220.10, Standard Deviation = 14.84 km/h

HVo

Speed Histogram

SpeedHist-857 (Metric) Site:33B_11.0EW
Description: EAP_33B_60km zone 250m before Eton Range (Site 3) Lane A
Filter time: 14:00 Thursday, 4 June 2009 => 11:50 Tuesday, 23 June 2009
Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>0)
Scheme: Vehicle classification (AR94 Mod 325m)



Hvo

MetroCount Traffic Executive Speed Histogram

SpeedHist-858 -- English (ENA)

Datasets:

Site: [33B_12] EAP_33B_60km zone 100m below Eton Range (Site 4) Lane A
Direction: 8 - East bound A>B, West bound B>A. Lane: 0
Survey Duration: 14:00 Thursday, 4 June 2009 => 11:44 Tuesday, 23 June 2009
File: 33B_1223Jun2009.EC0 (Plus)
Identifier: Y75744W3 MC56-L5 [MC55] (c)Microcom 19Oct04
Algorithm: Factory default
Data type: Axle sensors - Paired (Class/Speed/Count)

Profile:

Filter time: 14:00 Thursday, 4 June 2009 => 11:44 Tuesday, 23 June 2009
Included classes: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
Speed range: 0 - 200 km/h.
Direction: North, East, South (bound)
Separation: All - (Headway)
Name: Default Profile
Scheme: Vehicle classification (AR94 Mod 325m)
Units: Metric (meter, kilometer, m/s, km/h, kg, tonne)
In profile: Vehicles = 35758 / 71097 (50.29%)

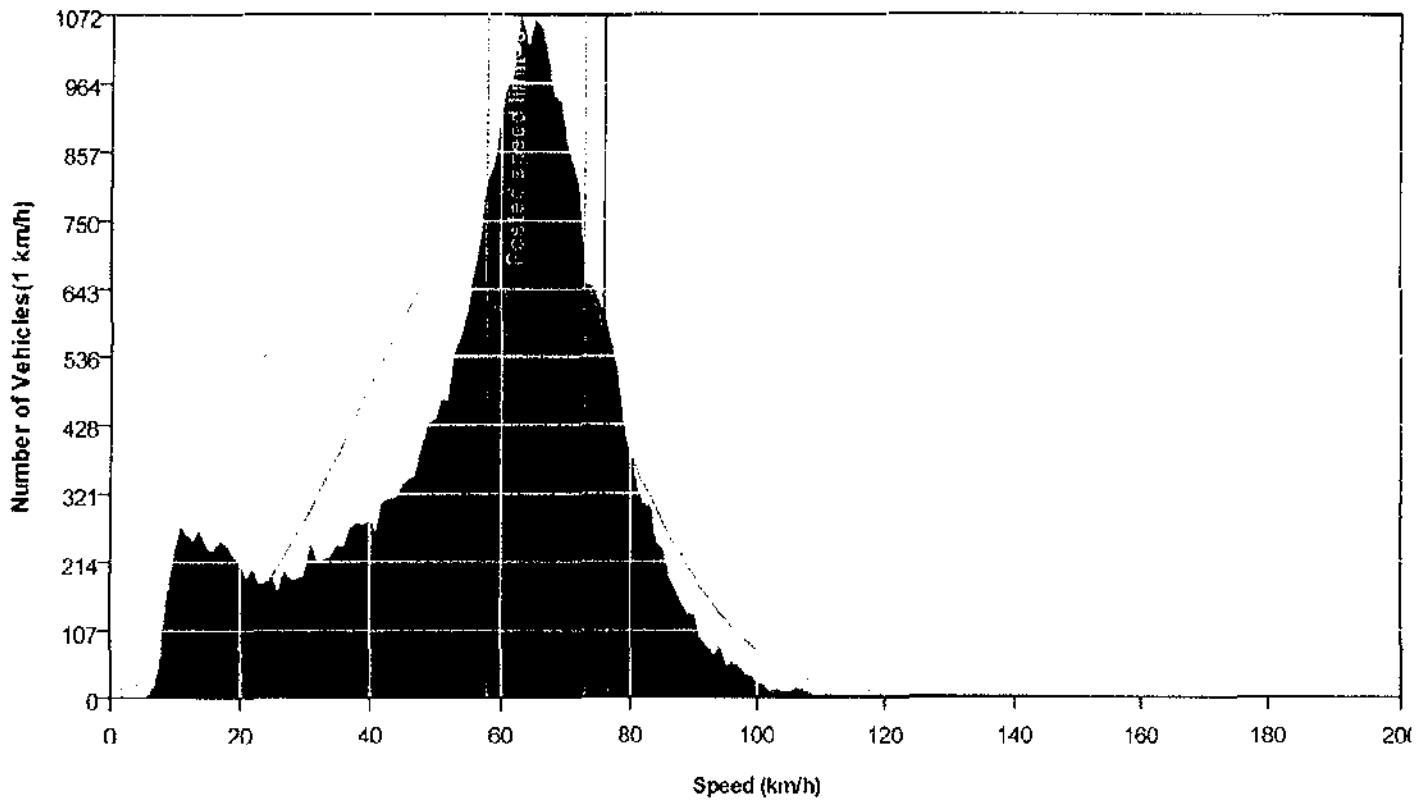
Speed Statistics

Vehicles = 35758
 Posted speed limit = 60 km/h, Exceeding = 19568 (54.72%), Mean Exceeding = 71.67 km/h
 Maximum = 139.1 km/h, Minimum = 2.9 km/h, Mean = 57.5 km/h
 85% Speed = 75.6 km/h, 95% Speed = 84.2 km/h, Median = 61.6 km/h
 15 km/h Pace = 58 - 73, Number in Pace = 14137 (39.54%)
 Variance = 392.98, Standard Deviation = 19.82 km/h

(HVO)

Speed Histogram

SpeedHist-858 (Metric) Site:33B_12.0EW
 Description: EAP_33B_60km zone 100m below Eton Range (Site 4) Lane A
 Filter time: 14:00 Thursday, 4 June 2009 => 11:44 Tuesday, 23 June 2009
 Filter: Cls(1 2 3 4 5 6 7 8 9 10 11 12) Dir(NES) Sp(0,200) Headway(>0)
 Scheme: Vehicle classification (AR94 Mod 325m)



HVO