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Territory and Municipal Services Directorate
Roads ACT
2013 Traffic Warrant System
Top 20 Ranked Roads

Road	Suburb	From	To	Road Class	Speed Limit (km/hr)	Vehicle Data Year (Speed, Vol, Heavy)	85th %ile Speed (km/hr)	24hr Traffic Vol. (vpd)	Heavy Vehicles (%)	No. of Fatality Crashes	No. of Injury Crashes	No. of Property Damage Crashes	Activity Generators	Activity Generators	Final Total Points Score	Rank 2013	Rank 2009	Rank 2006	Rank 2004	Rank 2000
Antill St	Dickson	Phillip Ave	Northbourne Ave	Maj C	60	2012	66.9	11,194	2.2	0	8	150	2	7	314	1	1	1		
Kent St	Deakin/Hughes	Adelaide Ave	Kitchener St	Maj C	60	2011	65.3	11,658	2.2	0	5	87	5	8	280	2	4	2	3	
Sternberg Cr	Wanniassa	Wheeler Cr	Erindale Dr	Maj C	60	2010	68.2	10,149	3.5	2	6	75	4	6	236	3	5	12	16	
Cowper St	Dickson	Antill St	Majura Av	Maj C	60	2010	57.4	8,470	3.4	0	4	98	7	9	218	4	2	3	1	1
Maribyrnong Ave	Kaleen	Baldwin Dr	Baldwin Dr	Maj C	60	2011	64.1	7,202	3.1	0	9	108	6	8	204	5	7	6	2	2
Anthony Rolfe Ave	Gungahlin	Gundaroo Dr	Horse Park Dr	Maj C	60	2012	60.5	8,052	5.0	0	12	144	7	8	194	6	20	56		
Majura Av	Ainslie	Wakefield Av	Phillip Av	Maj C	60	2012	62.4	9,139	3.5	0	4	79	4	8	188	7	10	24	4	3
Phillip Ave	Hackett	Antill St	Madigan St	Maj C	60	2012	57.1	9,527	3.3	0	2	28	5	9	180	8	6	19	79	
Namatjira Dr	Waramanga/Fisher	Hindmarsh Dr	Kapunda St	Maj C	60	2008	69.1	10,251	4.3	0	4	36	4	5	179	9	8	9	14	7
Hopetoun Cct	Deakin	Adelaide Av	Stonehaven Cr	Maj C	60	2012	55.8	8,295	3	0	2	26	7	8	167	10	27	31	28	
Torrens St	Braddon	Ijong St	Cooyong St	Maj C	60	2012	60.3	7,346	2.2	0	4	79	7	8	162	11	12	13	38	8
Theodore St	Curtin	Carruthers St	Melrose Dr	Maj C	60	2011	58.3	6,358	4.2	0	1	33	4	7	149	12	19	20	8	9
Mawson Dr	Mawson	Yamba Dr	Athllon Dr	Maj C	60	2008	63.7	9,918	5.8	0	4	57	1	2	145	13	15	29		
Sternberg Cr	Gowrie	Erindale Dr	Castleton Cr	Maj C	60	2012	62.4	7,185	2.4	0	1	26	7	8	142	14	11	15	15	15
Copland Dr	Evatt	Moynihan St	Owen Dixon Dr	Maj C	60	2012	66.0	6,632	3.1	0	9	23	5	6	141	15	18	36	44	4
Hambidge Cr	Chisholm	Isabella Dr	Goldstein Cr	Maj C	60	2011	62.5	6,109	2.6	0	0	18	5	6	139	16	3	4	13	67
Denison St	Deakin	Kent St	Carruthers St	Maj C	60	2011	57.2	5,850	3.2	0	7	56	5	8	139	17	14	7	7	
Hardwick Cr	Holt	Starke St	end	Min C	50	2010	59.7	4,118	4.6	0	0	28	5	7	139	18	39	40	9	
Ashley Dr	Wanniassa	Erindale Dr	Sternberg Cr	Maj C	60	2010	65.7	5,300	3.2	1	1	41	3	7	137	19	25			
Brigalow St	Lyneham/O'Connor	Mouat St	Boronia Dr	Maj C	50	2010	59.0	6,164	2.2	0	5	27	4	7	136	20	79	14	82	14

Notes
1. Accident data for period 1/1/2006 to 31/12/2010
2. Maj C = major collector road
3. Min C = minor collector road

TRAFFIC WARRANTS SYSTEM DATABASE
Procedures for Updating Accident Statistics, Traffic Volumes, Speed and Heavy Vehicle Data

1. Accident Statistics

The traffic warrant system includes roads that are classified as either "major collector" or "minor collector". Each of these classes of road intersects with arterial roads, roads of the same class, each other and local access roads. This procedure describes the method of allocating the intersection and mid block accident statistics along any particular road, which is termed the **considered** road

Mid block

All mid block accident statistics are allocated to the **considered** road

Intersections

Generally, all intersection accident statistics are allocated to the road with the higher classification except if the intersecting roads are of the same classification or if a minor collector road intersects with a local access road in which case the accident statistics are shared equally.

The following table summarises the distribution of accident statistics at intersections.

Considered road classification	Intersecting road classification	Distribution of accidents
Major collector	Arterial	100% to arterial road
Major collector	Major collector	50/50
Major collector	Minor collector	100% to major collector road
Minor collector	Arterial or major collector	100% to arterial road or major collector road
Minor collector	Minor collector or local access	50/50

2. Traffic Volumes

The traffic volume is the two way vehicles per day (vpd) values from the relevant speed survey.

A. If there is only one counter site the value will be the sum of the weekday average vpd volume for each direction. When entering the values use the Excel formula function. This will assist auditing of the accuracy of the entered data e.g. the Excel formula is:

=(volume1+volume2)

where:

volume1 is the weekday average vpd count for one direction; and
volume2 is the weekday average vpd count for the other direction.

B. If there are two or more survey sites the value will be the average of the two way
weekday average vpd for the sites i.e. sum the weekday average vpd for each
direction at each survey site and divide by the number of sites e.g. for 3 survey
sites the Excel formula is:

=(volume1+volume2+volume3+volume4+volume5+volume6)/3

where:

volume1, volume2 are the weekday average vpd counts for each direction at site
1.
volume3, volume4 are the weekday average vpd counts for each direction at site
2.
volume5, volume6 are the weekday average vpd counts for each direction at site 3
etc.

C. If the count site is within a school zone the traffic data is usually split between
SCHOOL HOURS (8 AM to 4PM) and OUTSIDE SCHOOL HOURS (4 PM to 8
AM). Sum the weekday average volumes for each direction e.g. the Excel formula
is:

=(volume1+volume2+volume3+volume4)

where:

volume1 is the SCHOOL ZONE 8 hour count for one direction.
volume2 is the SCHOOL ZONE 8 hour count for the other direction.
volume3 is the OUTSIDE SCHOOL HOURS 16 hour count for one direction.
volume4 is the OUTSIDE SCHOOL HOURS 16 hour count for the other
direction.

3. Speed Data

The speed data value is the average of all the 85th percentile speed values for both
directions for all survey sites e.g. for 3 survey sites the Excel formula is:

=average(count1,count2,count3,count4,count5,count6)

where:

count1, count2 are the 85th percentile speed values for each direction at site 1.
count3, count4 are the 85th percentile speed values for each direction at site 2.
count5, count6 are the 85th percentile speed values for each direction at site 3.

Updated by John Taylor June 2011

4. Heavy Vehicles

The % heavy vehicles value is the average of the % heavy vehicles values for all sites e.g for 3 survey sites the Excel formula is:

=average(HV1,HV2,HV3,HV4,HV5,HV6)

where:

HV1, HV2 are the % heavy vehicles for each direction at site 1.
HV3, HV4 are the % heavy vehicles for each direction at site 2.
HV5, HV6 are the % heavy vehicles for each direction at site 3.

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