

## Station Information

Site Number	1284	Site Identifier	19203
Site Name	Delmas		
Site Description	Between R42 I/C and Dryden I/C		
Site Type	Permanent Piezo	Owner	SANRAL
Physical Lanes	4	Responsibility	NON-TOLL
Logical Lanes	4	Installation Date	2000-05-09
GPS Longitude	28.73995	Termination Date	
GPS Latitude	-26.073254	Status	In Use
Region	North	Companion Site	
Road	N012	Speed Limit	120
Route	N012	Count Type	Normal Traffic Counting Station
Section	20	Distance	10.4
Authority	SANRAL	Contract No	NRA 53000/141/2
Contract Org	Mikros Traffic Monitoring (Pty) Ltd	Station History Type	Full Site
System Type	B2		

Lane No	Lane Description	Stream No	Stream Description	Direction	Reverse Lane No	Pos
1	Slow to eMalahleni	1	To eMalahleni	East	0	1
2	Fast to eMalahleni	1	To eMalahleni	East	0	2
3	Fast to Benoni	2	To Benoni	West	0	2
4	Slow to Benoni	2	To Benoni	West	0	1

**NO PHOTO AVAILABLE.**

**NO PHOTO AVAILABLE.**

**NO PHOTO AVAILABLE.**

Direction 1

Direction 2

As Built

NO DATA FOUND.

NO DATA FOUND.

## Traffic Highlights of Site: Delmas (1284)

Site No	1284
Site Name	Delmas
Site Description	Between R42 I/C and Dryden I/C
Road Description	Route : N012 Section : 20E Distance : 10.4 km
GPS Position	Latitude: -26.073254 Longitude: 28.73995
Number of Lanes	4
Station Type	Permanent Piezo

Requested Data Period	01 Jan 2019 - 31 Dec 2019
First and Last Data Dates	01 Jan 2019 - 31 Oct 2019
Data Available for Requested Period as Percentage	83%

Last Full Day Count for ADT and ADTT	30 Oct 2019
Number of Full Days in Requested Period	303

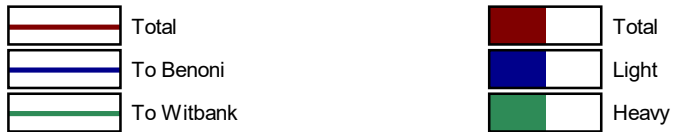
Highlights per Stream		Str 1: To eMalahleni	Str 2: To Benoni	Value
1.1	Total Number of Vehicles	3,349,692	3,337,039	6,686,731
1.2	Average Daily Traffic (ADT)	11,051	11,011	22,062
1.3	Average Daily Truck Traffic (ADTT)	2,333	2,316	4,649
1.4	Percentage of Trucks	21.1 %	21.0 %	21.1 %
1.5	Truck Split % (Short : Medium : Long)	24 : 15 : 61	23 : 15 : 62	24 : 15 : 62
1.6	Percentage of Night Traffic [20h00 - 6h00)	15.9 %	13.5 %	14.7 %
2.1	Speed Limit			120
2.2	Average Speed (km/hr)	107.4	109.6	108.5
2.3	Average Speed - Light Vehicles (km/hr)	113.4	115.4	114.4
2.4	Average Speed - Heavy Vehicles (km/hr)	85.4	89.1	87.3
2.5	Average Night Speed (km/hr)	106.2	107.7	107.0
2.6	15th Centile Speed (km/hr)	81.4	83.7	82.6
2.7	85th Centile Speed (km/hr)	128.4	130.1	129.3
2.8	Percentage of Vehicles in Excess of Speed Limit	45.0 %	48.1 %	46.6 %
3.1	Percentage Vehicles in Flows Over 600 (vehs/hr)	64.9 %	60.6 %	88.85%
3.2	Percentage of Vehicles less than 2s behind vehicle ahead	0 %	0 %	0 %

4.1	Total Number of Heavy Vehicles	707,320	702,099	1,409,419
4.2	Estimated Average Number of axles per Truck	5.5	5.6	5.6
4.3	Estimated Truck Mass (Ton/Truck)	31.6	31.9	31.8
4.4	Estimated Average E80 / Truck	2.8	2.9	2.85
4.5	Estimated Daily E80 on the Road			10,055.0
4.6	Estimated Daily E80 in the East Direction			15,138.0
4.7	Estimated Daily E80 in the West Direction			15,026.0
4.8	Estimated Daily E80 in the Worst East Lane			13,600.0
4.9	Estimated Daily E80 in the Worst West Lane			13,699.0
5.1	ASSUMPTION on Axles/Truck (Short:Medium:Long)			(2.0 : 5.0 : 7.0)
5.2	ASSUMPTION on Mass/Truck (Short:Medium:Long)			(10.9 : 31.5 : 39.8)
5.3	ASSUMPTION on E80s/Truck (Short:Medium:Long)			(0.5 : 2.1 : 3.9)

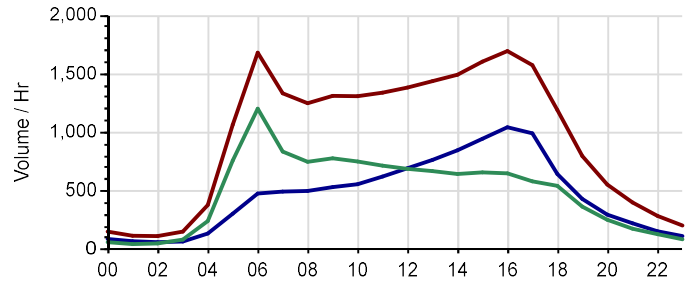
Traffic Volumes		Date and Time	Value
6.1	Highest Volume on the Road (vehs/hr)	18 Apr 2019 (13:00 - 14:00)	3,002
6.2	Highest Volume in the East (vehs/hr)	18 Apr 2019 (13:00 - 14:00)	1,764
6.3	Highest Volume in the West (vehs/hr)	11 Aug 2019 (15:00 - 16:00)	1,743
6.4	Highest Volume in a Lane (vehs/hr)	18 Apr 2019 (13:00 - 14:00)	1,174
6.5	15th Highest Volume on the Road (vehs/hr)	28 Jun 2019 (15:00 - 16:00)	2,486
6.6	15th Highest Volume in the East Direction (vehs/hr)	09 Sep 2019 (06:00 - 07:00)	1,349
6.7	15th Highest Volume in the West Direction (vehs/hr)	08 Aug 2019 (17:00 - 18:00)	1,388
6.8	30th Highest Volume on the Road (vehs/hr)	26 Apr 2019 (15:00 - 16:00)	2,307
6.9	30th Highest Volume in the East Direction (vehs/hr)	21 Oct 2019 (06:00 - 07:00)	1,299
6.10	30th Highest Volume in the West Direction (vehs/hr)	05 Jul 2019 (17:00 - 18:00)	1,280

# Station Typical Flow Graphs

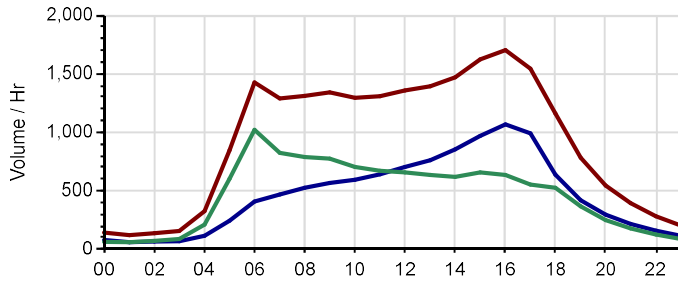
<b>Site</b>	1284 - Delmas
<b>Region</b>	North
<b>Actual Period</b>	01 Jan 2019 - 31 Oct 2019
<b>Classification</b>	RSA Ext Lgt/Hvy
<b>Day Type</b>	Normal Day & Fixed Public Holiday+



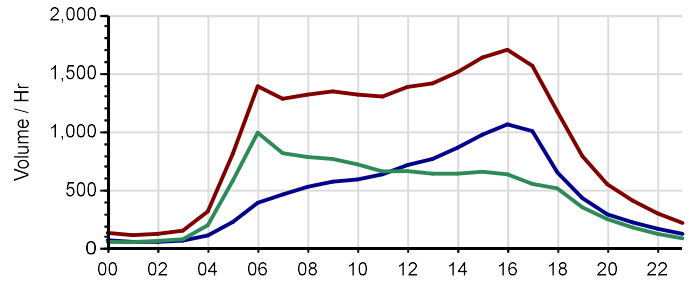
Typical Flow for a Monday



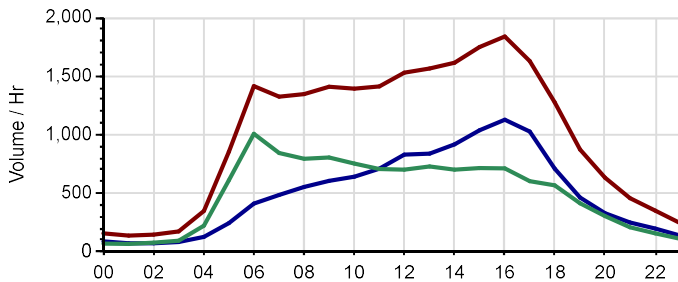
Typical Flow for a Tuesday



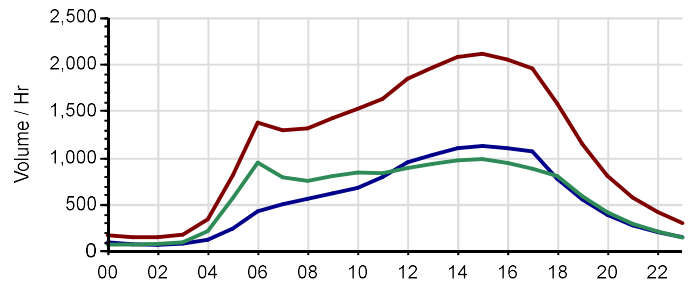
Typical Flow for a Wednesday



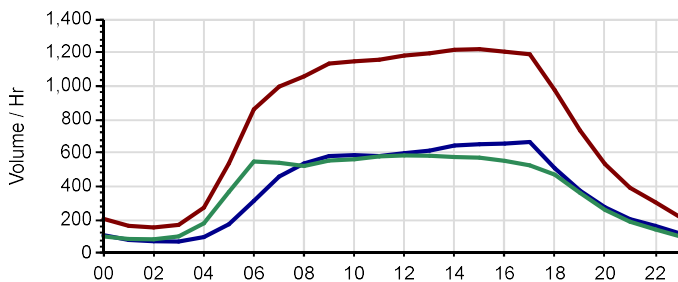
Typical Flow for a Thursday



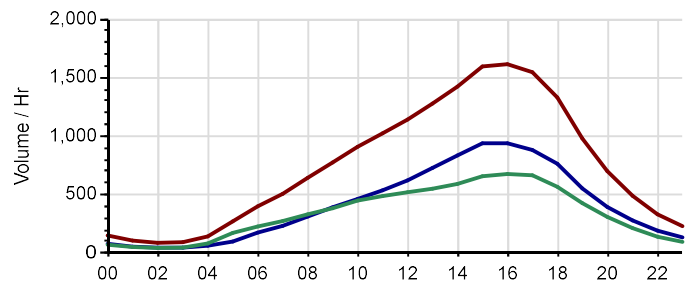
Typical Flow for a Friday



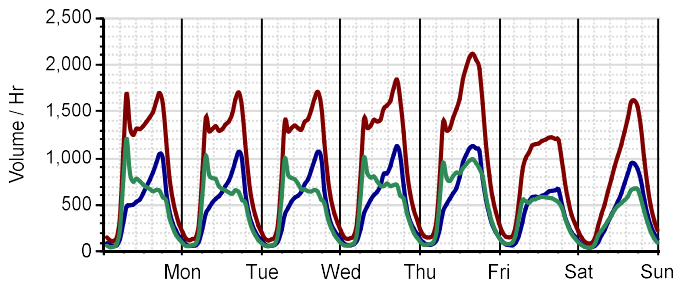
Typical Flow for a Saturday



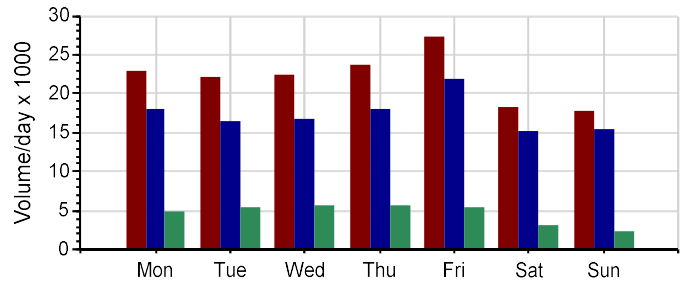
Typical Flow for a Sunday



Typical Flow for a Week






Typical Flow for a Week

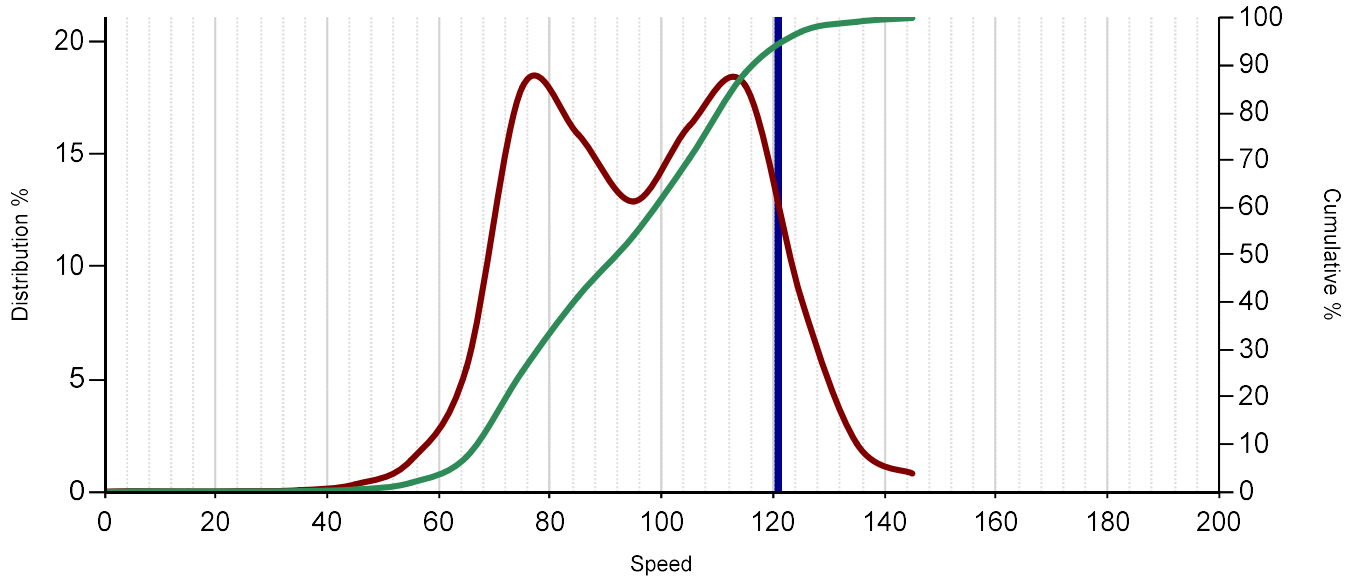


## Station Speed Distribution

Site	1284 - Delmas
Speed Limit	120 km/hr
Period	01 Jan 2019 - 31 Dec 2019




	Distribution
	Cumulative
	Speed Limit

Lane 1 - Slow to eMalahleni

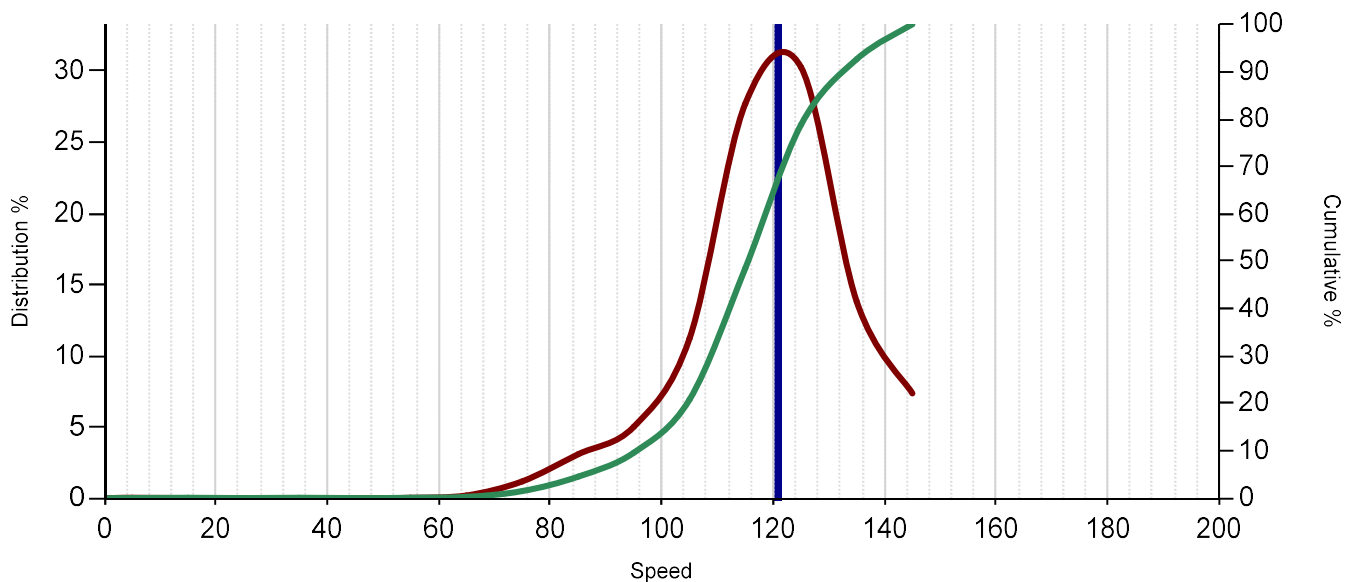


## Station Speed Distribution

Site	1284 - Delmas
Speed Limit	120 km/hr
Period	01 Jan 2019 - 31 Dec 2019

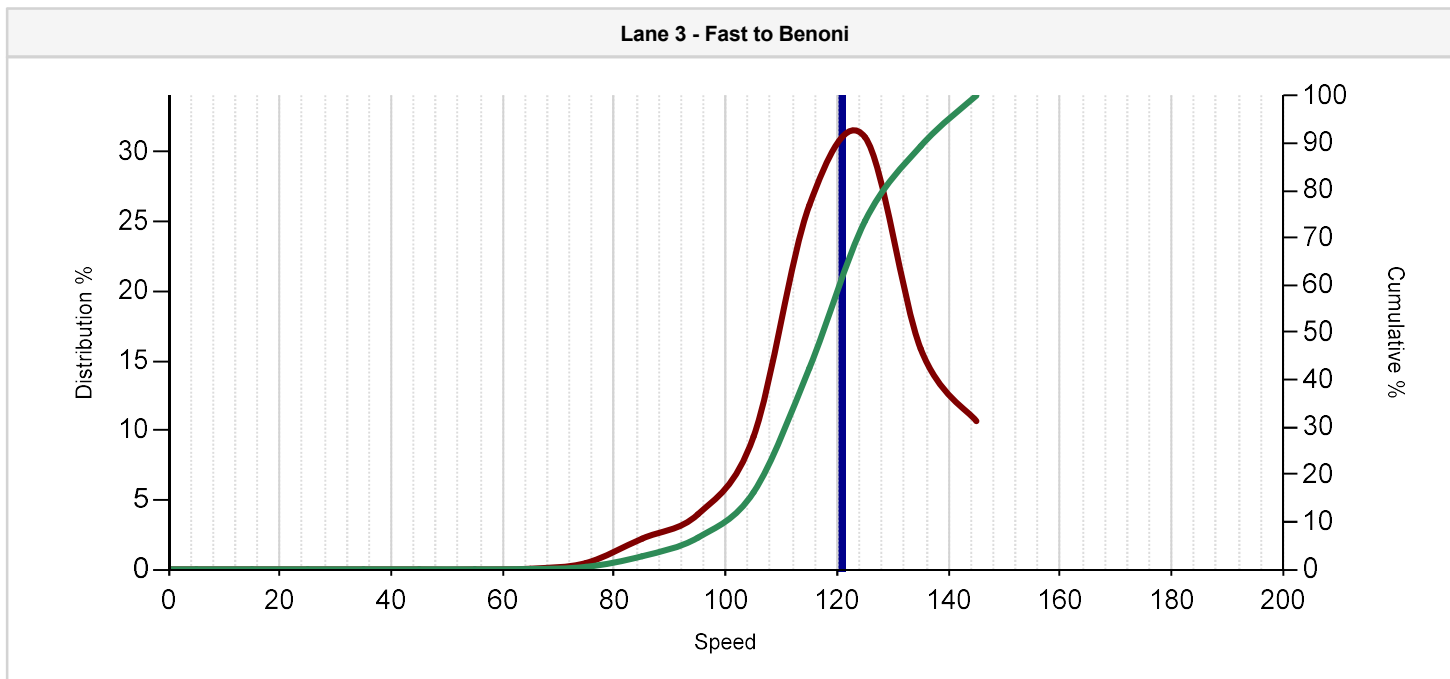
	Distribution
	Cumulative
	Speed Limit

Lane 2 - Fast to eMalahleni



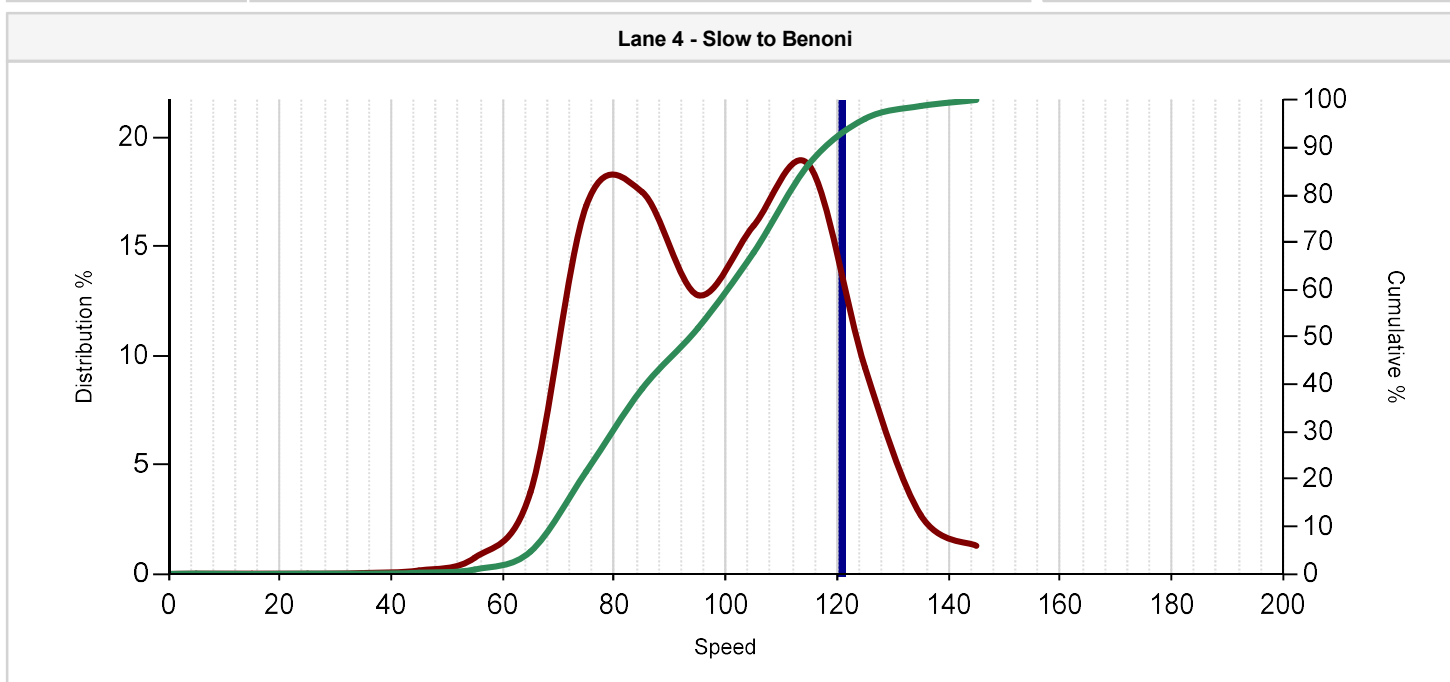
## Station Speed Distribution

Site	1284 - Delmas	<div> <div></div> Distribution </div> <div> <div></div> Cumulative </div> <div> <div></div> Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	



## Station Speed Distribution

Site	1284 - Delmas	<div> <div></div> Distribution </div> <div> <div></div> Cumulative </div> <div> <div></div> Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	



## Station Information

Site Number	902	Site Identifier	18852
Site Name	Dryden I/C		
Site Description	Western side of Dryden I/C		
Site Type	Permanent	Owner	SANRAL
Physical Lanes	6	Responsibility	NON-TOLL
Logical Lanes	6	Installation Date	1999-02-26
GPS Longitude	28.753635	Termination Date	
GPS Latitude	-26.070663	Status	In Use
Region	North	Companion Site	(H)Delmas WIM
Road	N012	Speed Limit	120
Route	N012	Count Type	Normal Traffic Counting Station
Section	20	Distance	11.8
Authority	SANRAL	Contract No	NRA 53000/141/2
Contract Org	Mikros Traffic Monitoring (Pty) Ltd	Station History Type	Full Site
System Type	C1		

Lane No	Lane Description	Stream No	Stream Description	Direction	Reverse Lane No	Pos
1	Off-ramp to Dryden	1	Off-ramp to Dryden	East	0	1
2	Slow to eMalahleni	2	To eMalahleni	East	0	1
3	Fast to eMalahleni	2	To eMalahleni	East	0	2
4	Fast to Johannesburg	3	To Johannesburg	West	0	2
5	Slow to Johannesburg	3	To Johannesburg	West	0	1
6	On-ramp from Dryden	4	On-ramp from Dryden	West	0	1

**NO PHOTO AVAILABLE.**

Direction 1

NO DATA FOUND.

**NO PHOTO AVAILABLE.**

Direction 2

NO DATA FOUND.

**NO PHOTO AVAILABLE.**

As Built

## Traffic Highlights of Site: Dryden I/C (902)

Site No	902
Site Name	Dryden I/C
Site Description	Western side of Dryden I/C
Road Description	Route : N012 Section : 20E Distance : 11.8 km
GPS Position	Latitude: -26.070663 Longitude: 28.753635
Number of Lanes	6
Station Type	Permanent

Requested Data Period	01 Jan 2019 - 31 Dec 2019
First and Last Data Dates	01 Jan 2019 - 31 Oct 2019
Data Available for Requested Period as Percentage	81%

Last Full Day Count for ADT and ADTT	31 Oct 2019
Number of Full Days in Requested Period	285

Highlights per Stream		Str 1: Off-ramp to Dryden	Str 2: To eMalahleni	Str 3: To Johannesburg	Str 4: On-ramp from Dryden	Value
1.1	Total Number of Vehicles	96,024	3,185,586	3,191,264	93,486	6,566,360
1.2	Average Daily Traffic (ADT)	324	10,725	10,735	315	22,099
1.3	Average Daily Truck Traffic (ADTT)	114	2,263	2,307	108	4,792
1.4	Percentage of Trucks	35.7 %	21.2 %	21.6 %	34.7 %	21.8 %
1.5	Truck Split % (Short : Medium : Long)	16 : 23 : 61	27 : 15 : 58	28 : 13 : 59	15 : 27 : 58	22 : 20 : 59
1.6	Percentage of Night Traffic [20h00 - 6h00)	9.5 %	15.9 %	13.5 %	9.3 %	14.5 %
2.1	Speed Limit					120
2.2	Average Speed (km/hr)	78.1	106.0	109.5	71.6	91.3
2.3	Average Speed - Light Vehicles (km/hr)	85.7	111.7	115.0	79.4	98.0
2.4	Average Speed - Heavy Vehicles (km/hr)	67.8	87.7	92.0	60.4	77.0
2.5	Average Night Speed (km/hr)	72.1	105.0	107.4	67.5	88.0
2.6	15th Centile Speed (km/hr)	62.6	80.3	85.4	55.3	70.9
2.7	85th Centile Speed (km/hr)	101.8	127.8	129.3	93.9	113.2
2.8	Percentage of Vehicles in Excess of Speed Limit	32.6 %	44.1 %	48.0 %	25.8 %	37.6 %
3.1	Percentage Vehicles in Flows Over 600 (vehs/hr)	0 %	61.0 %	57.6 %	0 %	88.99%
3.2	Percentage of Vehicles less than 2s behind vehicle ahead	0 %	0 %	0 %	0 %	0 %

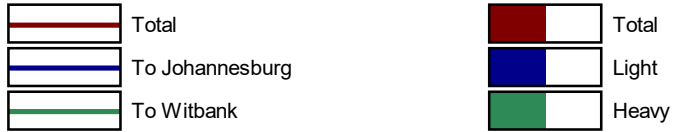


4.1	Total Number of Heavy Vehicles	34,273	676,298	689,252	32,402	1,432,225
4.2	Estimated Average Number of axles per Truck	5.7	5.4	5.3	5.7	5.5
4.3	Estimated Truck Mass (Ton/Truck)	33.3	30.8	30.6	33.2	32.0
4.4	Estimated Average E80 / Truck	3.0	2.7	2.7	2.9	2.825
4.5	Estimated Daily E80 on the Road					10,774.0
4.6	Estimated Daily E80 in the East Direction					16,036.0
4.7	Estimated Daily E80 in the West Direction					16,286.0
4.8	Estimated Daily E80 in the Worst East Lane					13,409.0
4.9	Estimated Daily E80 in the Worst West Lane					13,618.0
5.1	ASSUMPTION on Axles/Truck (Short:Medium:Long)					(2.0 : 5.0 : 7.0)
5.2	ASSUMPTION on Mass/Truck (Short:Medium:Long)					(10.9 : 31.5 : 39.8)
5.3	ASSUMPTION on E80s/Truck (Short:Medium:Long)					(0.5 : 2.1 : 3.9)

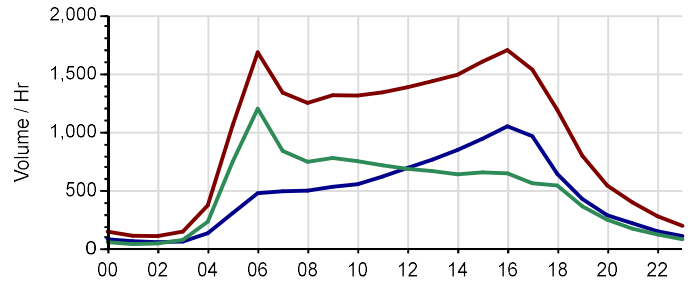
Traffic Volumes		Date and Time	Value
6.1	Highest Volume on the Road (vehs/hr)	18 Apr 2019 (13:00 - 14:00)	3,011
6.2	Highest Volume in the East (vehs/hr)	18 Apr 2019 (13:00 - 14:00)	1,773
6.3	Highest Volume in the West (vehs/hr)	11 Aug 2019 (15:00 - 16:00)	1,745
6.4	Highest Volume in a Lane (vehs/hr)	18 Apr 2019 (13:00 - 14:00)	1,198
6.5	15th Highest Volume on the Road (vehs/hr)	28 Jun 2019 (15:00 - 16:00)	2,484
6.6	15th Highest Volume in the East Direction (vehs/hr)	18 Apr 2019 (20:00 - 21:00)	1,348
6.7	15th Highest Volume in the West Direction (vehs/hr)	29 Sep 2019 (18:00 - 19:00)	1,381
6.8	30th Highest Volume on the Road (vehs/hr)	05 Jul 2019 (17:00 - 18:00)	2,303
6.9	30th Highest Volume in the East Direction (vehs/hr)	12 Aug 2019 (06:00 - 07:00)	1,302
6.10	30th Highest Volume in the West Direction (vehs/hr)	28 Jun 2019 (15:00 - 16:00)	1,278

# Station Typical Flow Graphs

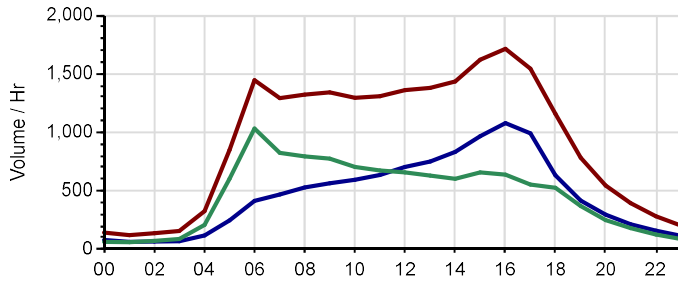
<b>Site</b>	902 - Dryden I/C
<b>Region</b>	North
<b>Actual Period</b>	01 Jan 2019 - 31 Oct 2019
<b>Classification</b>	RSA Ext Lgt/Hvy
<b>Day Type</b>	Normal Day & Fixed Public Holiday+



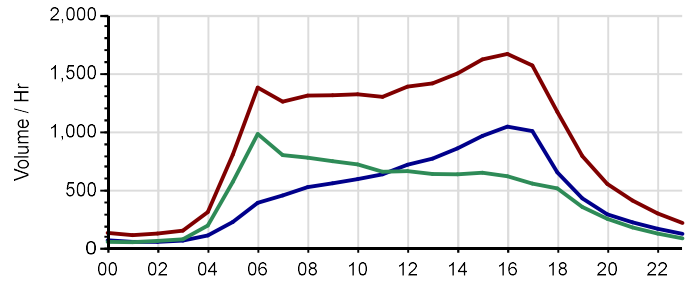
Typical Flow for a Monday



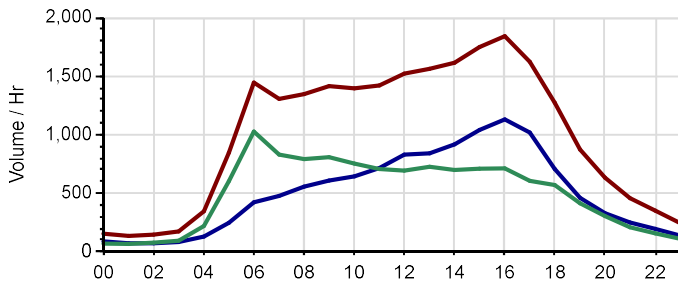
Typical Flow for a Tuesday



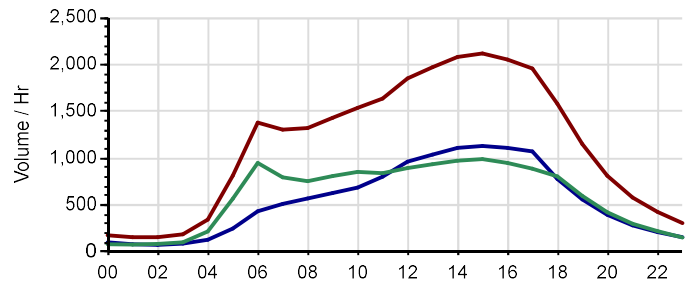
Typical Flow for a Wednesday



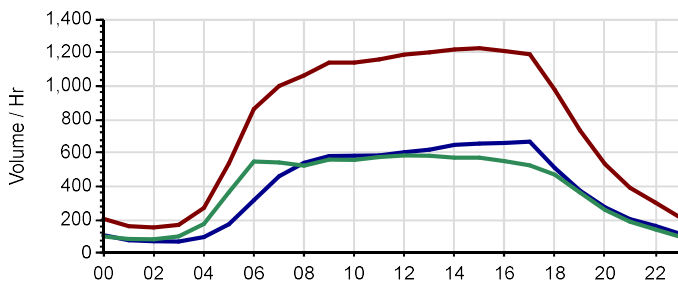
Typical Flow for a Thursday



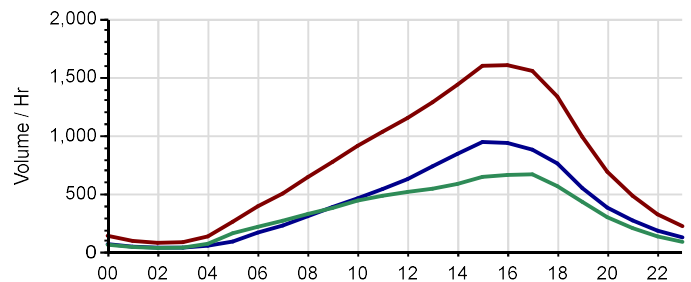
Typical Flow for a Friday



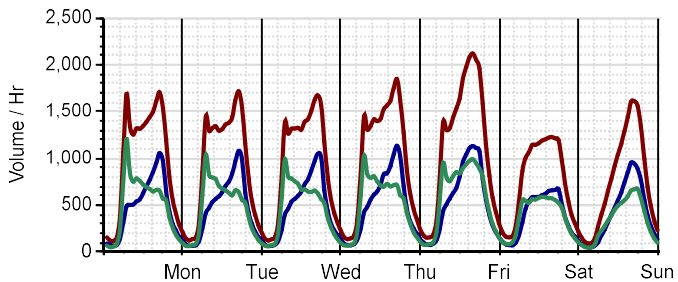
Typical Flow for a Saturday



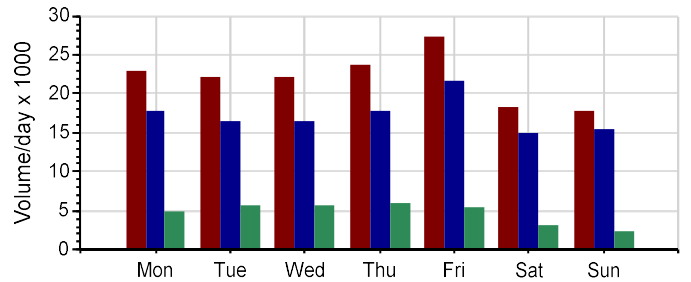
Typical Flow for a Sunday



Typical Flow for a Week



Typical Flow for a Week

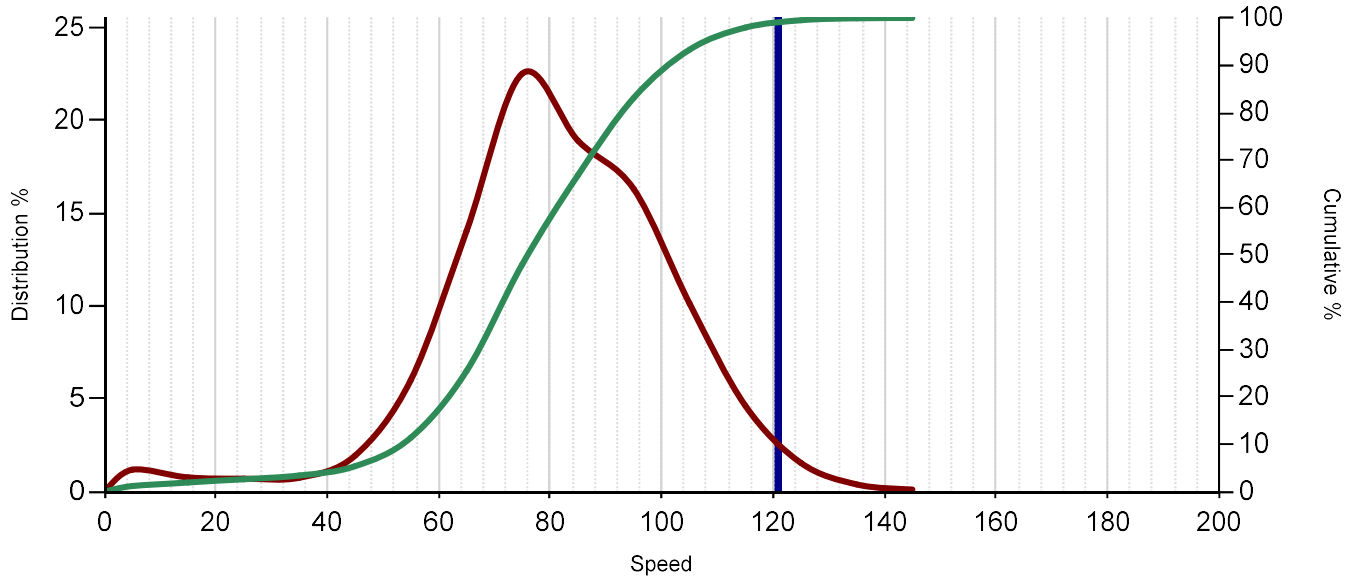


## Station Speed Distribution

Site	902 - Dryden I/C
Speed Limit	120 km/hr
Period	01 Jan 2019 - 31 Dec 2019




	Distribution
	Cumulative
	Speed Limit

Lane 1 - Off-ramp to Dryden

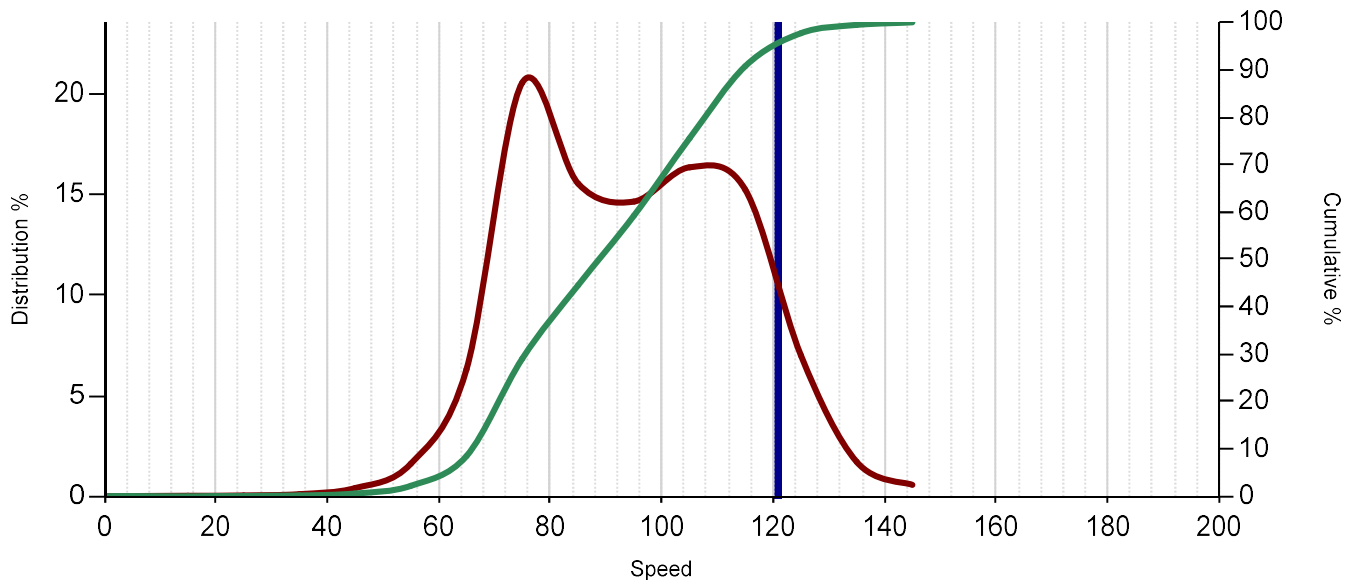


## Station Speed Distribution

Site	902 - Dryden I/C
Speed Limit	120 km/hr
Period	01 Jan 2019 - 31 Dec 2019

	Distribution
	Cumulative
	Speed Limit

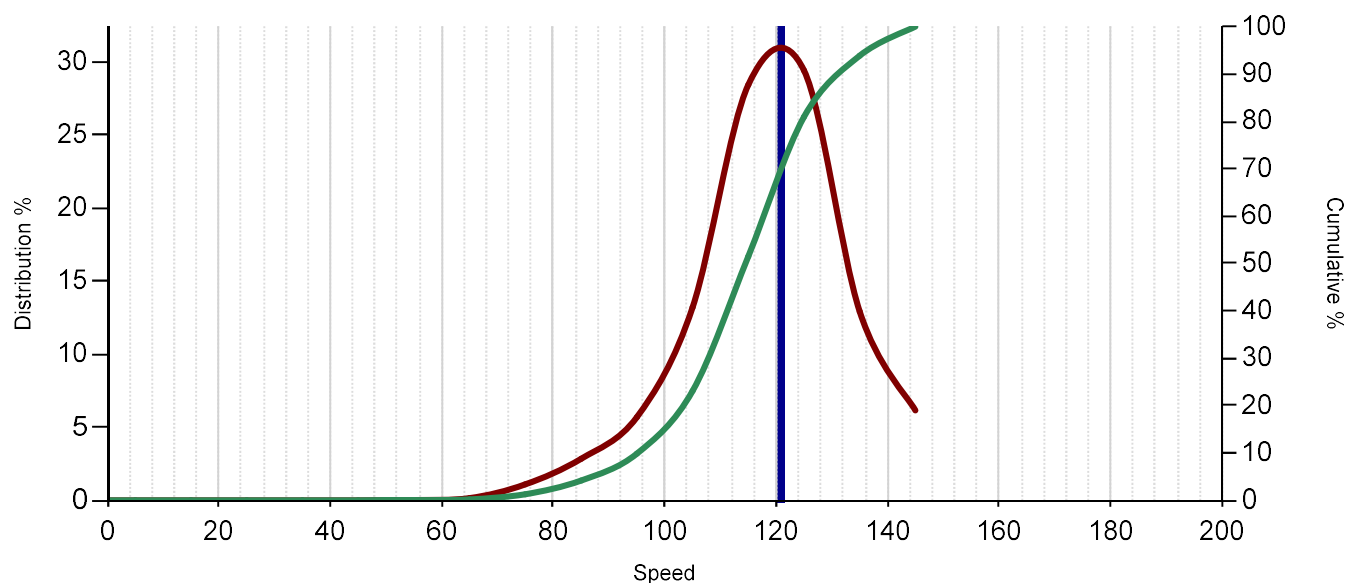
Lane 2 - Slow to eMalahleni



## Station Speed Distribution

Site	902 - Dryden I/C	<div> <div></div> <div></div> <div></div> </div> <div> Distribution Cumulative Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	

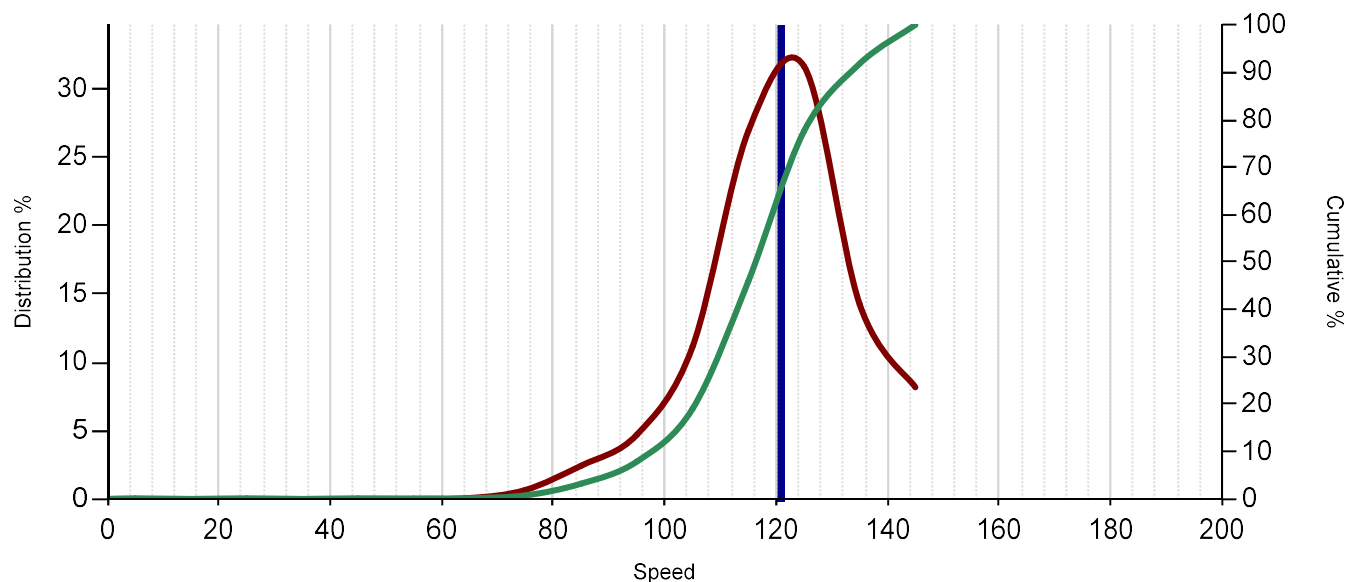
Lane 3 - Fast to eMalahleni



## Station Speed Distribution

Site	902 - Dryden I/C	<div> <div></div> <div></div> <div></div> </div> <div> Distribution Cumulative Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	

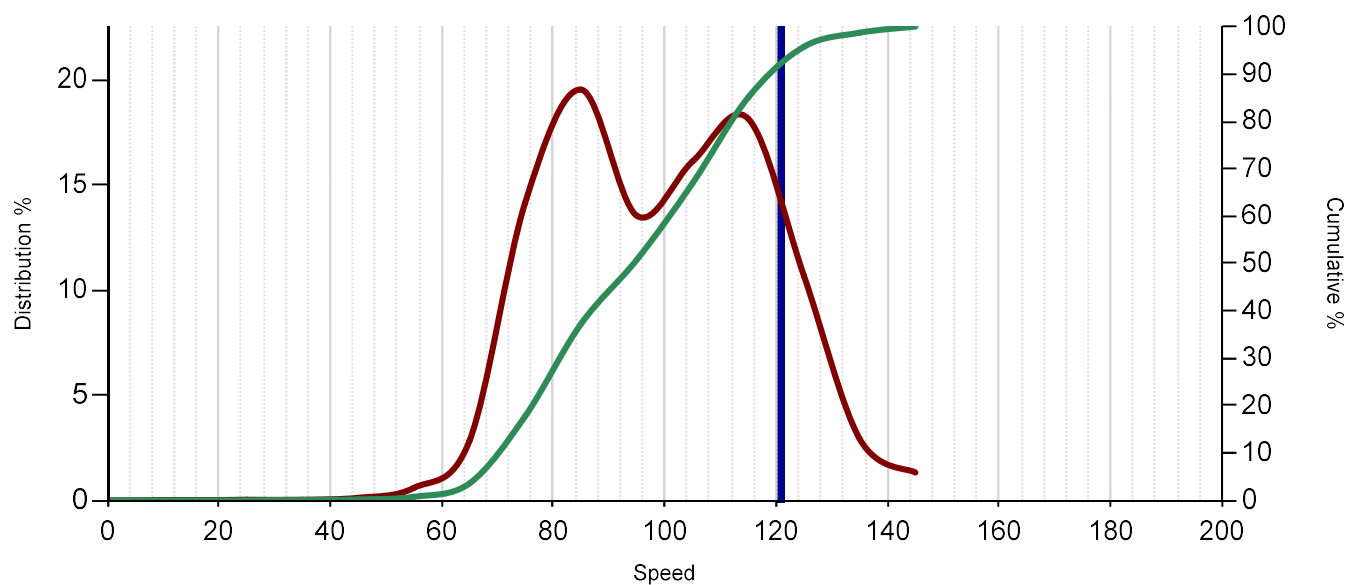
Lane 4 - Fast to Johannesburg



## Station Speed Distribution

Site	902 - Dryden I/C	<div> <div></div> Distribution </div> <div> <div></div> Cumulative </div> <div> <div></div> Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	

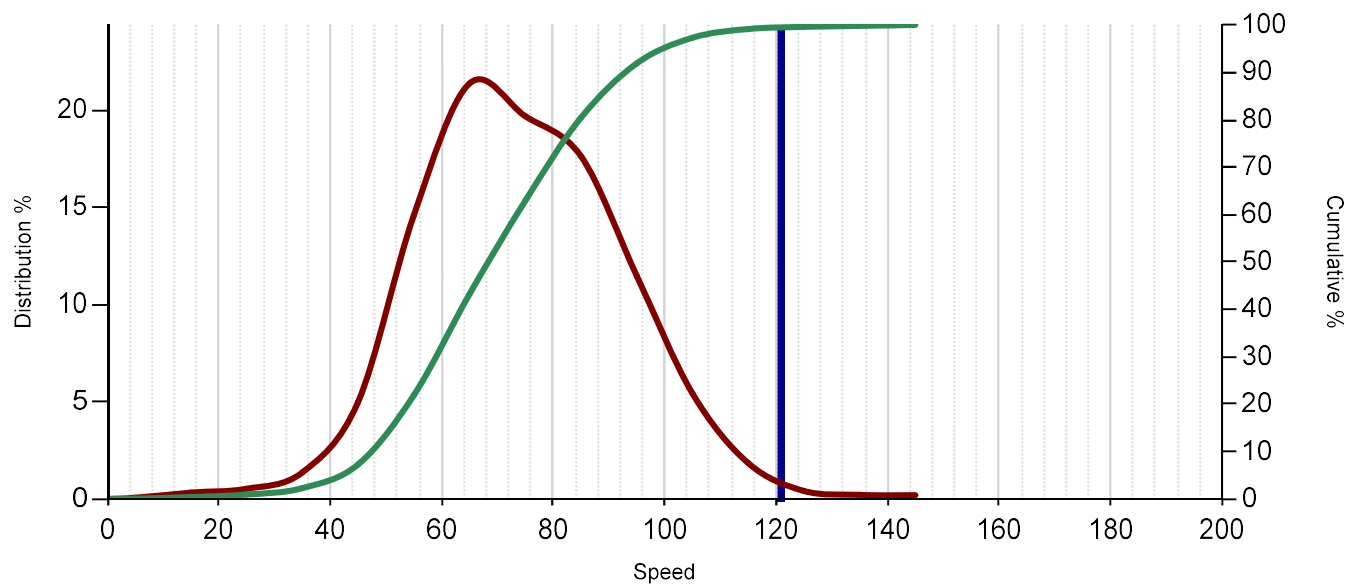
Lane 5 - Slow to Johannesburg



## Station Speed Distribution

Site	902 - Dryden I/C	<div> <div></div> Distribution </div> <div> <div></div> Cumulative </div> <div> <div></div> Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	

Lane 6 - On-ramp from Dryden



## Station Information

Site Number	903	Site Identifier	18885
Site Name	Argent I/C		
Site Description	Western side of Argent I/C		
Site Type	Permanent	Owner	SANRAL
Physical Lanes	6	Responsibility	NON-TOLL
Logical Lanes	6	Installation Date	1999-02-24
GPS Longitude	28.806883	Termination Date	
GPS Latitude	-26.057806	Status	In Use
Region	North	Companion Site	(H)Delmas WIM
Road	N012	Speed Limit	120
Route	N012	Count Type	Normal Traffic Counting Station
Section	20	Distance	17.5
Authority	SANRAL	Contract No	NRA 53000/141/2
Contract Org	Mikros Traffic Monitoring (Pty) Ltd	Station History Type	Full Site
System Type	C1		

Lane No	Lane Description	Stream No	Stream Description	Direction	Reverse Lane No	Pos
1	Off-ramp to Argent	1	Off-ramp to Argent	East	0	1
2	Slow to eMalahleni	2	To eMalahleni	East	0	1
3	Fast to eMalahleni	2	To eMalahleni	East	0	2
4	Fast to Johannesburg	3	To Johannesburg	West	0	2
5	Slow to Johannesburg	3	To Johannesburg	West	0	1
6	On-ramp from Argent	4	On-ramp from Argent	West	0	1

### PHOTO



Direction 1

Off-ramp to Argent

### PHOTO



Direction 2

On-ramp from Argent

### PHOTO



As Built

## Traffic Highlights of Site: Argent I/C (903)

Site No	903
Site Name	Argent I/C
Site Description	Western side of Argent I/C
Road Description	Route : N012 Section : 20E Distance : 17.5 km
GPS Position	Latitude: -26.057806 Longitude: 28.806883
Number of Lanes	6
Station Type	Permanent

Requested Data Period	01 Jan 2019 - 31 Dec 2019
First and Last Data Dates	01 Jan 2019 - 31 Oct 2019
Data Available for Requested Period as Percentage	83%

Last Full Day Count for ADT and ADTT	31 Oct 2019
Number of Full Days in Requested Period	303

Highlights per Stream		Str 1: Off-ramp to Argent	Str 2: To eMalahleni	Str 3: To Johannesburg	Str 4: On-ramp from Argent	Value
1.1	Total Number of Vehicles	92,954	3,190,417	3,179,878	99,905	6,563,154
1.2	Average Daily Traffic (ADT)	306	10,496	10,461	328	21,591
1.3	Average Daily Truck Traffic (ADTT)	108	2,413	2,446	107	5,074
1.4	Percentage of Trucks	35.2 %	23.0 %	23.4 %	32.8 %	23.5 %
1.5	Truck Split % (Short : Medium : Long)	17 : 11 : 72	32 : 13 : 55	34 : 13 : 53	14 : 14 : 72	24 : 13 : 63
1.6	Percentage of Night Traffic [20h00 - 6h00)	15.3 %	15.8 %	13.6 %	11.7 %	14.7 %
2.1	Speed Limit					120
2.2	Average Speed (km/hr)	77.4	111.0	107.7	66.9	90.8
2.3	Average Speed - Light Vehicles (km/hr)	82.5	116.0	113.1	71.6	95.8
2.4	Average Speed - Heavy Vehicles (km/hr)	69.8	97.1	95.2	58.1	80.1
2.5	Average Night Speed (km/hr)	74.1	110.7	105.7	65.4	89.0
2.6	15th Centile Speed (km/hr)	63.1	86.9	83.9	52.6	71.6
2.7	85th Centile Speed (km/hr)	95.9	130.7	128.6	83.9	109.8
2.8	Percentage of Vehicles in Excess of Speed Limit	33.8 %	48.9 %	46.0 %	21.1 %	37.4 %
3.1	Percentage Vehicles in Flows Over 600 (vehs/hr)	0 %	58.0 %	54.7 %	0 %	88.70%
3.2	Percentage of Vehicles less than 2s behind vehicle ahead	0 %	0 %	0 %	0 %	0 %







4.1	Total Number of Heavy Vehicles	32,713	734,066	744,288	32,727	1,543,794
4.2	Estimated Average Number of axles per Truck	5.9	5.1	5.0	6.0	5.5
4.3	Estimated Truck Mass (Ton/Truck)	34.0	29.5	28.9	34.6	31.8
4.4	Estimated Average E80 / Truck	3.1	2.6	2.5	3.2	2.85
4.5	Estimated Daily E80 on the Road					11,148.0
4.6	Estimated Daily E80 in the East Direction					16,611.0
4.7	Estimated Daily E80 in the West Direction					16,833.0
4.8	Estimated Daily E80 in the Worst East Lane					13,638.0
4.9	Estimated Daily E80 in the Worst West Lane					13,393.0
5.1	ASSUMPTION on Axles/Truck (Short:Medium:Long)					(2.0 : 5.0 : 7.0)
5.2	ASSUMPTION on Mass/Truck (Short:Medium:Long)					(10.9 : 31.5 : 39.8)
5.3	ASSUMPTION on E80s/Truck (Short:Medium:Long)					(0.5 : 2.1 : 3.9)

Traffic Volumes		Date and Time	Value
6.1	Highest Volume on the Road (vehs/hr)	18 Apr 2019 (13:00 - 14:00)	2,967
6.2	Highest Volume in the East (vehs/hr)	18 Apr 2019 (13:00 - 14:00)	1,746
6.3	Highest Volume in the West (vehs/hr)	11 Aug 2019 (15:00 - 16:00)	1,732
6.4	Highest Volume in a Lane (vehs/hr)	18 Apr 2019 (13:00 - 14:00)	1,169
6.5	15th Highest Volume on the Road (vehs/hr)	28 Jun 2019 (15:00 - 16:00)	2,451
6.6	15th Highest Volume in the East Direction (vehs/hr)	01 Apr 2019 (06:00 - 07:00)	1,319
6.7	15th Highest Volume in the West Direction (vehs/hr)	17 Jun 2019 (14:00 - 15:00)	1,355
6.8	30th Highest Volume on the Road (vehs/hr)	28 Jun 2019 (16:00 - 17:00)	2,252
6.9	30th Highest Volume in the East Direction (vehs/hr)	11 Mar 2019 (06:00 - 07:00)	1,273
6.10	30th Highest Volume in the West Direction (vehs/hr)	24 Mar 2019 (16:00 - 17:00)	1,238

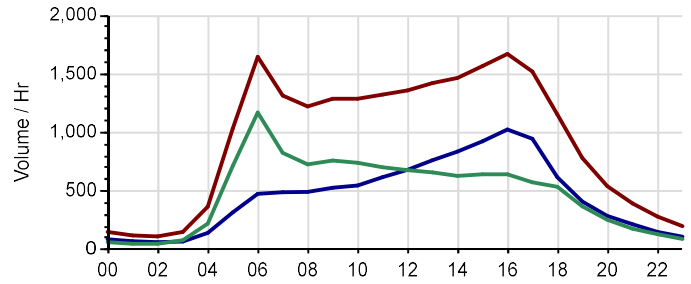


# Station Typical Flow Graphs

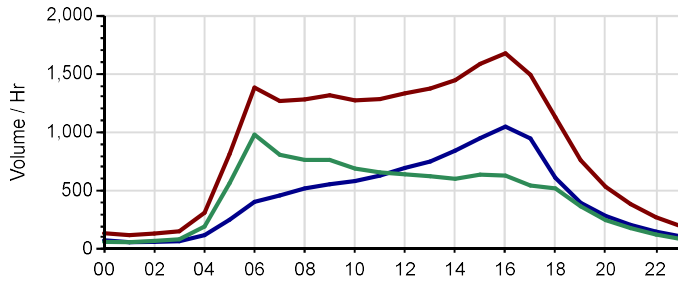
<b>Site</b>	903 - Argent I/C
<b>Region</b>	North
<b>Actual Period</b>	01 Jan 2019 - 31 Oct 2019
<b>Classification</b>	RSA Ext Lgt/Hvy
<b>Day Type</b>	Normal Day & Fixed Public Holiday+

	Total		Total
	To Johannesburg		Light
	To Witbank		Heavy

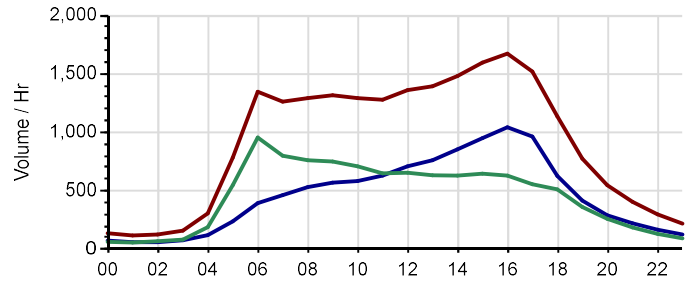
Typical Flow for a Monday



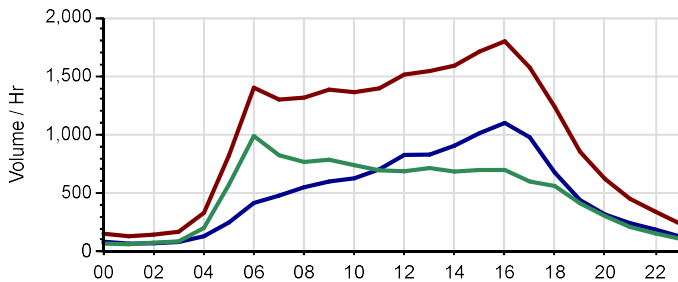
Typical Flow for a Tuesday



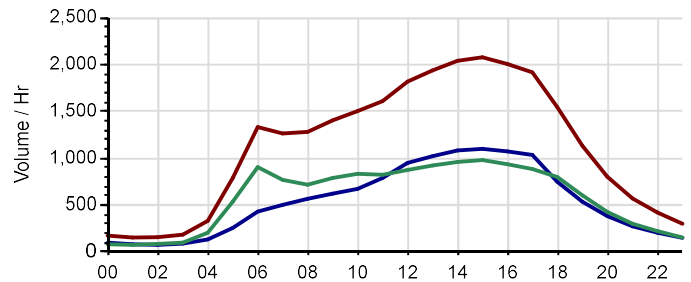
Typical Flow for a Wednesday



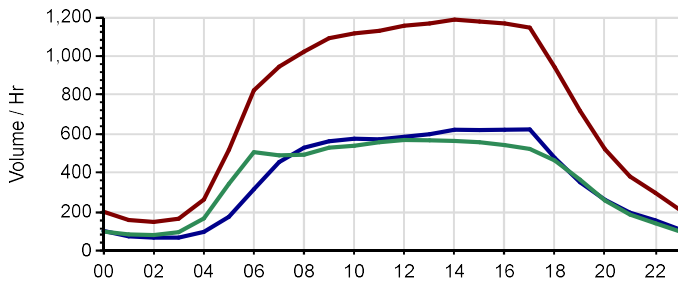
Typical Flow for a Thursday



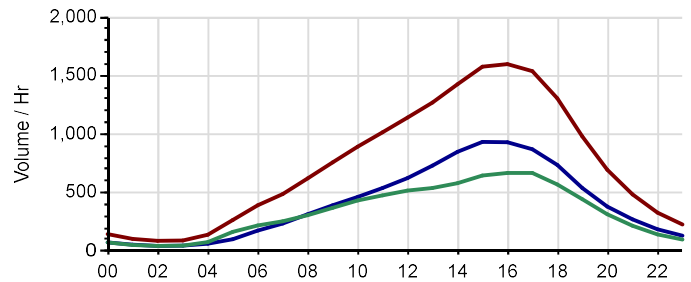
Typical Flow for a Friday



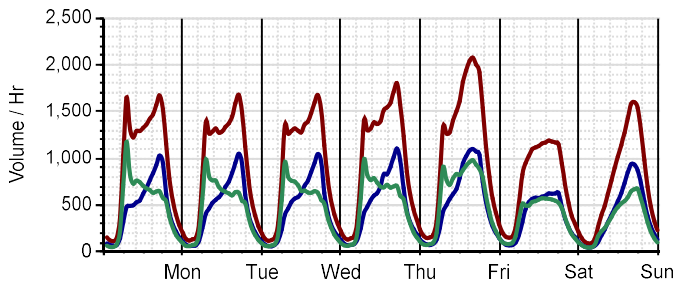
Typical Flow for a Saturday



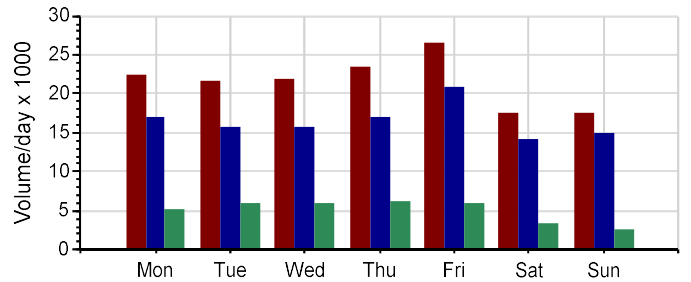
Typical Flow for a Sunday



Typical Flow for a Week






Typical Flow for a Week

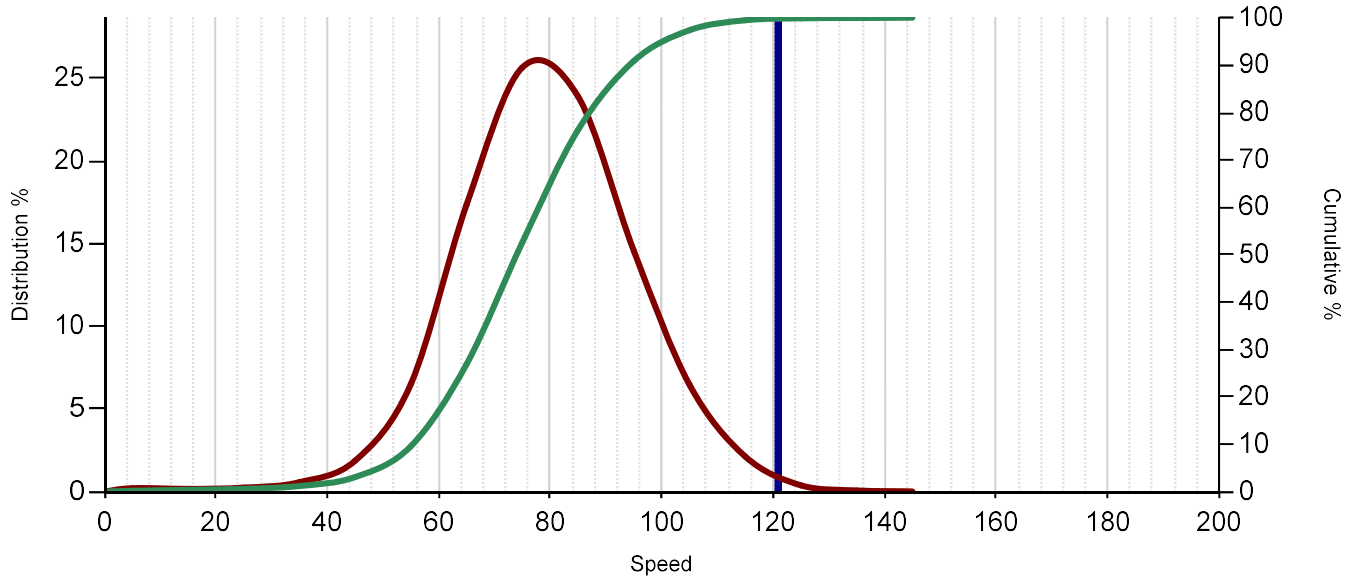


## Station Speed Distribution

Site	903 - Argent I/C
Speed Limit	120 km/hr
Period	01 Jan 2019 - 31 Dec 2019




	Distribution
	Cumulative
	Speed Limit

Lane 1 - Off-ramp to Argent

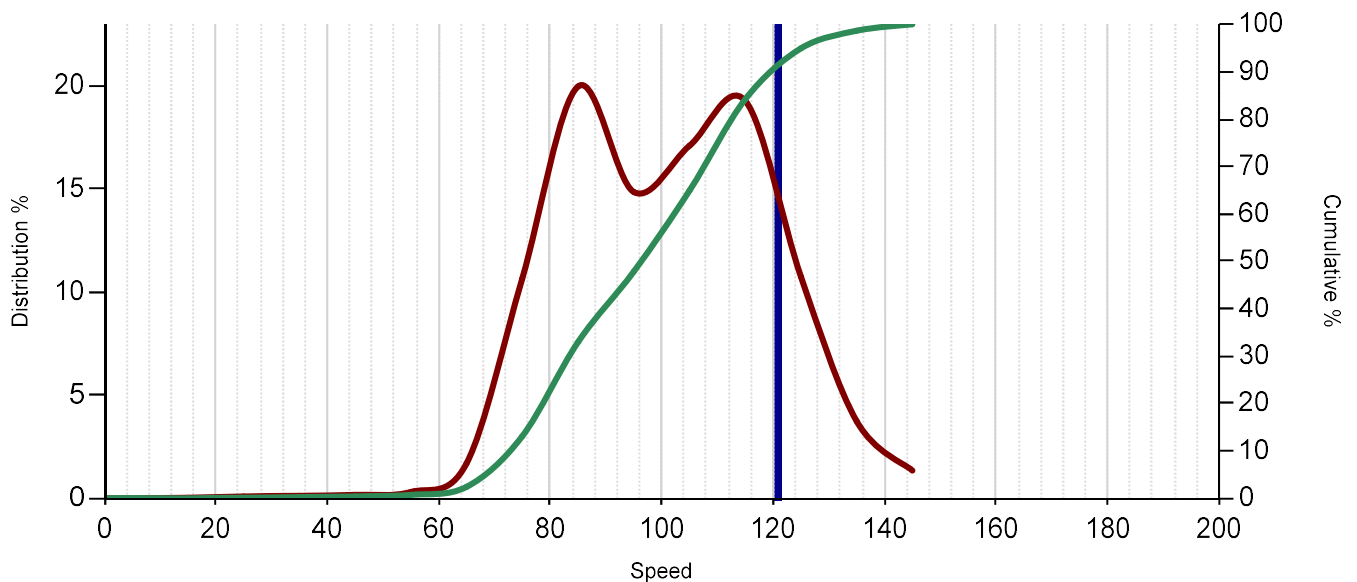


## Station Speed Distribution

Site	903 - Argent I/C
Speed Limit	120 km/hr
Period	01 Jan 2019 - 31 Dec 2019

	Distribution
	Cumulative
	Speed Limit

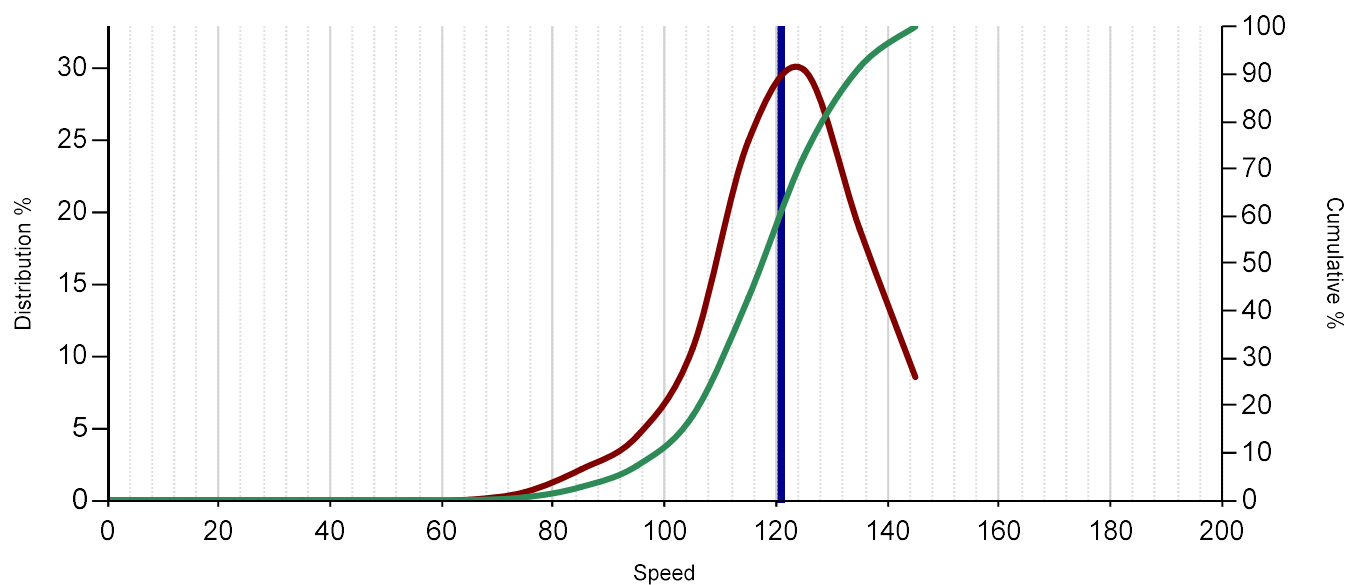
Lane 2 - Slow to eMalahleni



## Station Speed Distribution

Site	903 - Argent I/C	<div> <div></div> <div></div> <div></div> </div> <div> Distribution Cumulative Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	

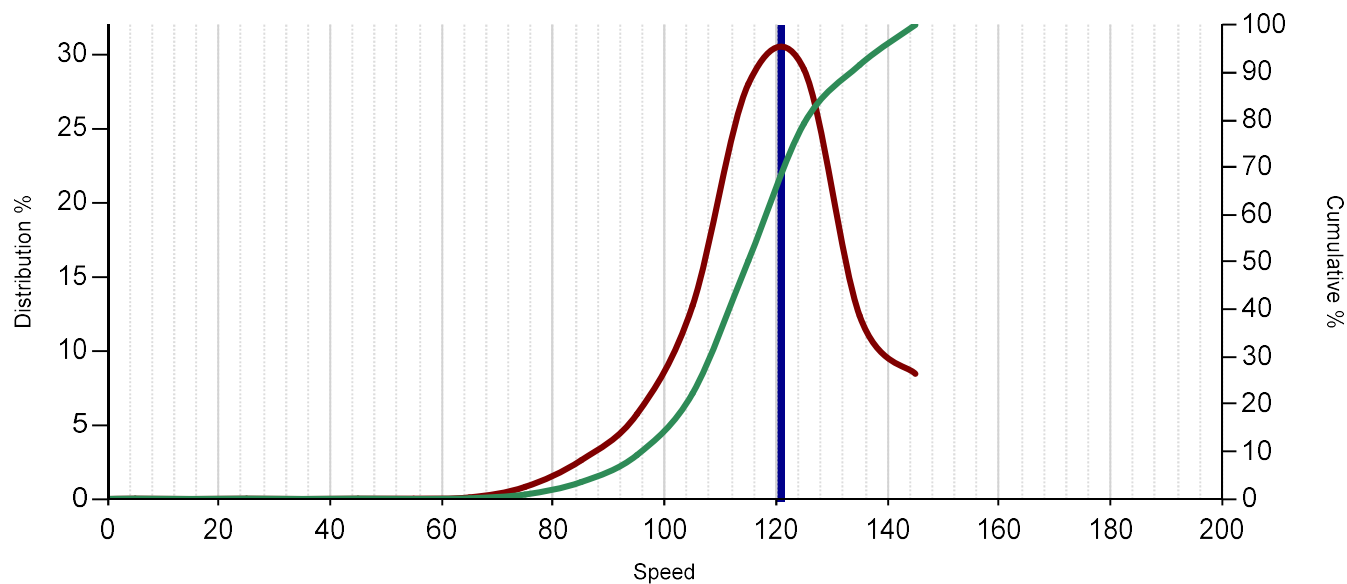
Lane 3 - Fast to eMalahleni



### Station Speed Distribution

Site	903 - Argent I/C	<div> <div></div> <div></div> <div></div> </div> <div> Distribution Cumulative Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	

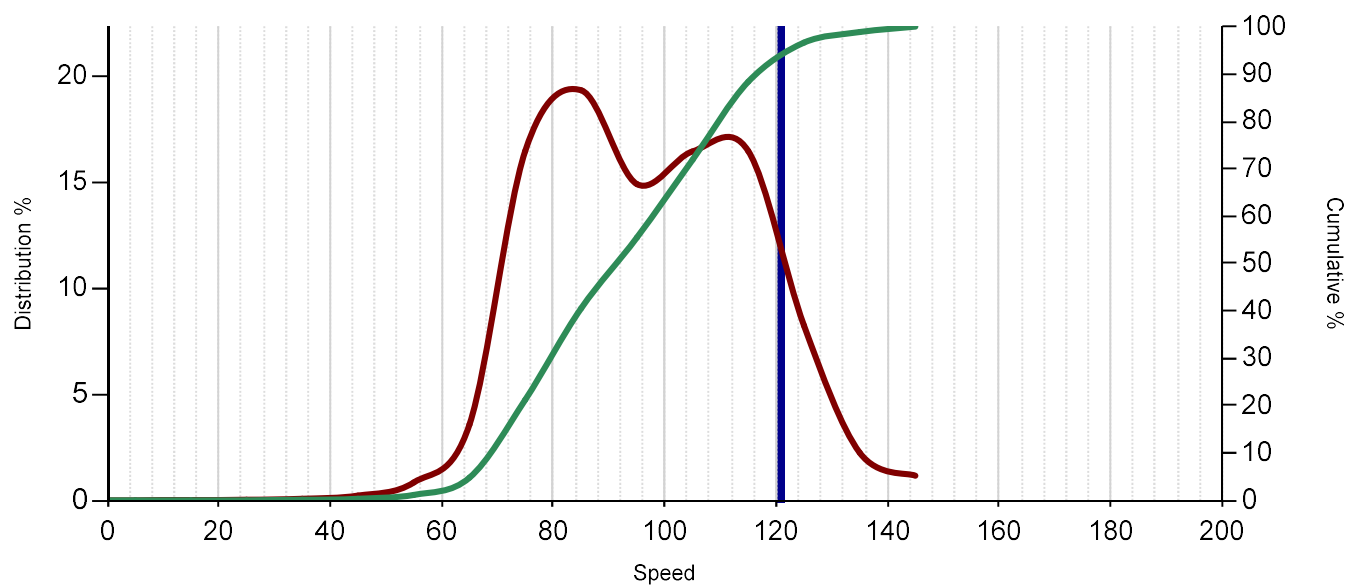
Lane 4 - Fast to Johannesburg



### Station Speed Distribution

Site	903 - Argent I/C	<div> <div></div> Distribution </div> <div> <div></div> Cumulative </div> <div> <div></div> Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	

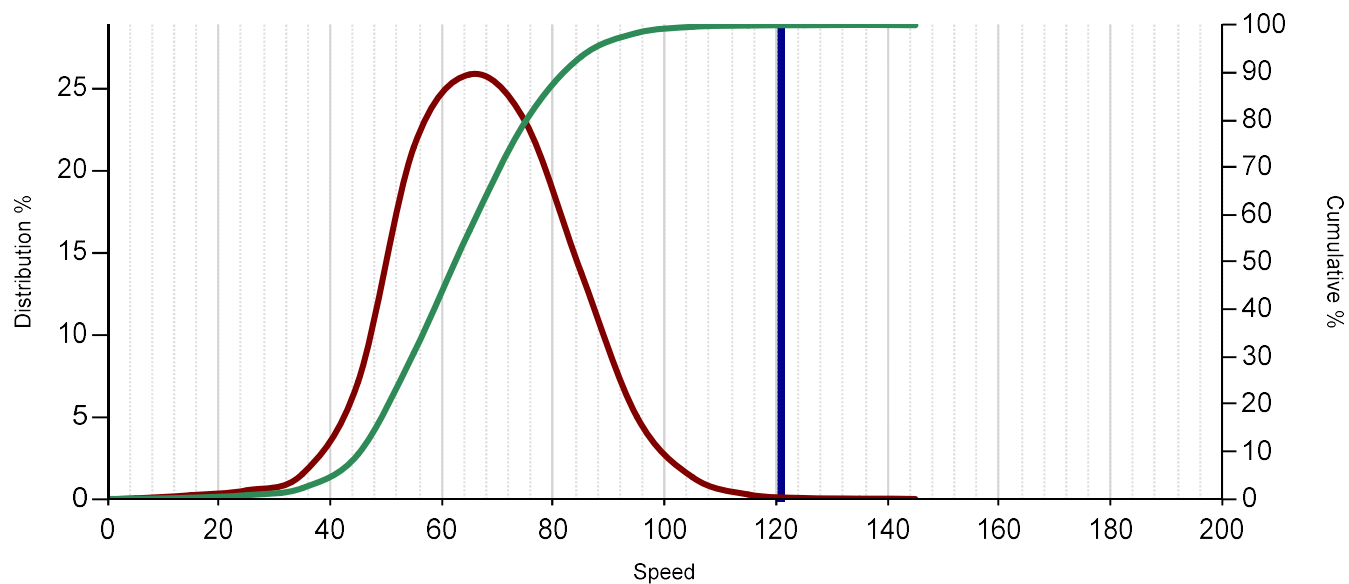
Lane 5 - Slow to Johannesburg



## Station Speed Distribution

Site	903 - Argent I/C	<div> <div></div> Distribution </div> <div> <div></div> Cumulative </div> <div> <div></div> Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	

Lane 6 - On-ramp from Argent



## Station Information

Site Number	3051	Site Identifier	17745
Site Name	Witbank WIM (MS2)		
Site Description	West of Watermeyer St / R544 I/C		
Site Type	Permanent WIM	Owner	SANRAL N4
Physical Lanes	4	Responsibility	NON-TOLL
Logical Lanes	4	Installation Date	2002-01-31
GPS Longitude	29.224361	Termination Date	
GPS Latitude	-25.924444	Status	In Use
Region	North	Companion Site	
Road	N012	Speed Limit	120
Route	N012	Count Type	A WIM station
Section	20	Distance	64.1
Authority	SANRAL	Contract No	
Contract Org		Station History Type	Full Site
System Type	B2		

Lane No	Lane Description	Stream No	Stream Description	Direction	Reverse Lane No	Pos
1	Slow to eMalahleni	1	To eMalahleni	East	0	1
2	Fast to eMalahleni	1	To eMalahleni	East	0	2
3	Fast to Ogies	2	To Ogies	West	0	2
4	Slow to Ogies	2	To Ogies	West	0	1

NO PHOTO AVAILABLE.

NO PHOTO AVAILABLE.

PHOTO



Direction 1

NO DATA FOUND.

Direction 2

NO DATA FOUND.

As Built

## Traffic Highlights of Site: Witbank WIM (MS2) (3051)

Site No	3051
Site Name	Witbank WIM (MS2)
Site Description	West of Watermeyer St / R544 I/C
Road Description	Route : N012 Section : 20E Distance : 64.1 km
GPS Position	Latitude: -25.924444 Longitude: 29.224361
Number of Lanes	4
Station Type	Permanent WIM

Requested Data Period	01 Jan 2019 - 31 Dec 2019
First and Last Data Dates	01 Jan 2019 - 31 Dec 2019
Data Available for Requested Period as Percentage	100%

Last Full Day Count for ADT and ADTT	31 Dec 2019
Number of Full Days in Requested Period	361

Highlights per Stream		Str 1: To eMalahleni	Str 2: To Ogies	Value
1.1	Total Number of Vehicles	4,090,148	4,014,512	8,104,660
1.2	Average Daily Traffic (ADT)	11,224	11,011	22,235
1.3	Average Daily Truck Traffic (ADTT)	1,903	1,851	3,754
1.4	Percentage of Trucks	17.0 %	16.8 %	16.9 %
1.5	Truck Split % (Short : Medium : Long)	25 : 13 : 62	25 : 13 : 62	25 : 13 : 62
1.6	Percentage of Night Traffic [20h00 - 6h00)	13.9 %	19.6 %	16.7 %
2.1	Speed Limit			120
2.2	Average Speed (km/hr)	98.8	98.7	98.8
2.3	Average Speed - Light Vehicles (km/hr)	104.7	103.5	104.1
2.4	Average Speed - Heavy Vehicles (km/hr)	89.5	87.4	88.5
2.5	Average Night Speed (km/hr)	94.5	95.9	95.2
2.6	15th Centile Speed (km/hr)	82.9	80.9	81.9
2.7	85th Centile Speed (km/hr)	126.8	124.2	125.5
2.8	Percentage of Vehicles in Excess of Speed Limit	13.4 %	10.4 %	11.9 %
3.1	Percentage Vehicles in Flows Over 600 (vehs/hr)	64.3 %	62.1 %	88.86%
3.2	Percentage of Vehicles less than 2s behind vehicle ahead	14.2 %	13.6 %	13.9 %

4.1	Total Number of Heavy Vehicles	694,126	675,100	1,369,226
4.2	Estimated Average Number of axles per Truck	5.5	5.5	5.5
4.3	Estimated Truck Mass (Ton/Truck)	31.5	31.5	31.5
4.4	Estimated Average E80 / Truck	2.8	2.8	2.80
4.5	Estimated Daily E80 on the Road			8,128.0
4.6	Estimated Daily E80 in the East Direction			12,362.0
4.7	Estimated Daily E80 in the West Direction			12,023.0
4.8	Estimated Daily E80 in the Worst East Lane			10,896.0
4.9	Estimated Daily E80 in the Worst West Lane			11,318.0
5.1	ASSUMPTION on Axles/Truck (Short:Medium:Long)			(2.0 : 5.0 : 7.0)
5.2	ASSUMPTION on Mass/Truck (Short:Medium:Long)			(10.9 : 31.5 : 39.8)
5.3	ASSUMPTION on E80s/Truck (Short:Medium:Long)			(0.5 : 2.1 : 3.9)

Traffic Volumes		Date and Time	Value
6.1	Highest Volume on the Road (vehs/hr)	14 Jun 2019 (15:00 - 16:00)	2,766
6.2	Highest Volume in the East (vehs/hr)	20 Sep 2019 (15:00 - 16:00)	1,806
6.3	Highest Volume in the West (vehs/hr)	22 Apr 2019 (15:00 - 16:00)	1,500
6.4	Highest Volume in a Lane (vehs/hr)	20 Sep 2019 (15:00 - 16:00)	1,197
6.5	15th Highest Volume on the Road (vehs/hr)	13 Dec 2019 (13:00 - 14:00)	2,413
6.6	15th Highest Volume in the East Direction (vehs/hr)	26 Sep 2019 (16:00 - 17:00)	1,511
6.7	15th Highest Volume in the West Direction (vehs/hr)	17 Sep 2019 (06:00 - 07:00)	1,350
6.8	30th Highest Volume on the Road (vehs/hr)	29 Nov 2019 (15:00 - 16:00)	2,322
6.9	30th Highest Volume in the East Direction (vehs/hr)	17 Apr 2019 (16:00 - 17:00)	1,426
6.10	30th Highest Volume in the West Direction (vehs/hr)	26 Aug 2019 (06:00 - 07:00)	1,324

# Station Typical Flow Graphs

**Site** 3051 - Witbank WIM (MS2)

**Region** North

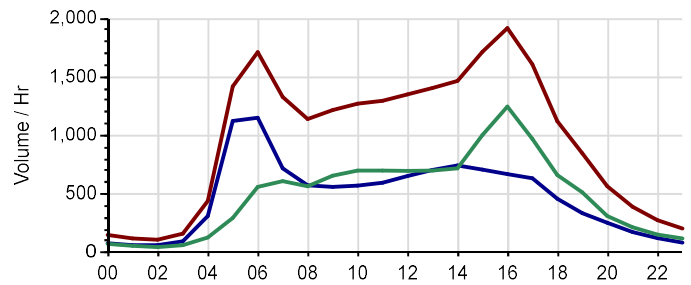
**Actual Period** 01 Jan 2019 - 31 Dec 2019

**Classification** RSA Ext Lgt/Hvy

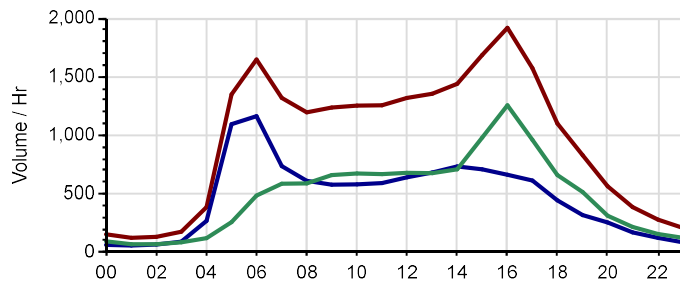
**Day Type** Normal Day & Fixed Public Holiday+



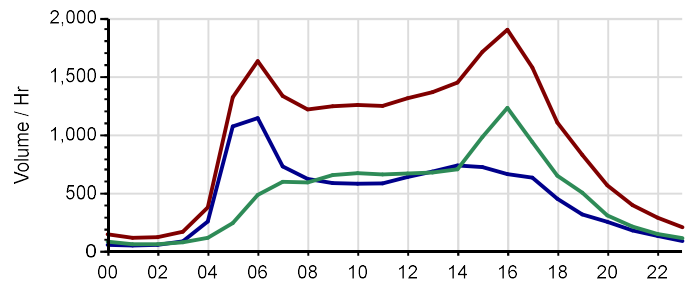
Typical Flow for a Monday



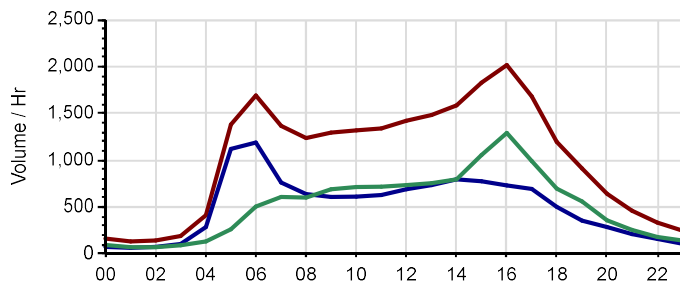
Typical Flow for a Tuesday



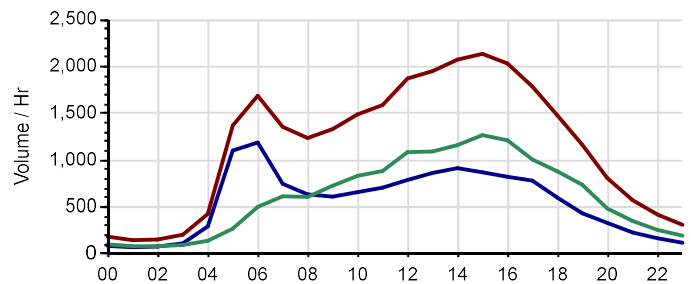
Typical Flow for a Wednesday



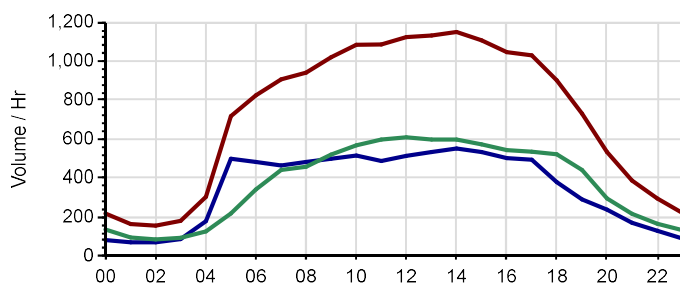
Typical Flow for a Thursday



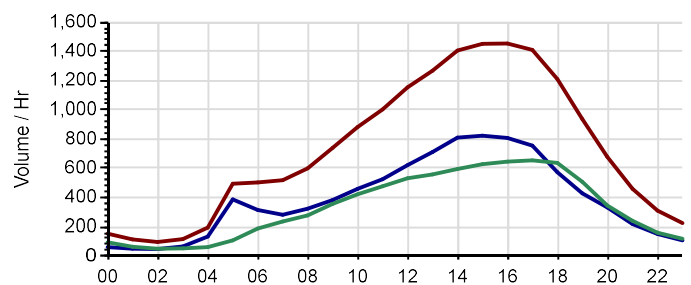
Typical Flow for a Friday



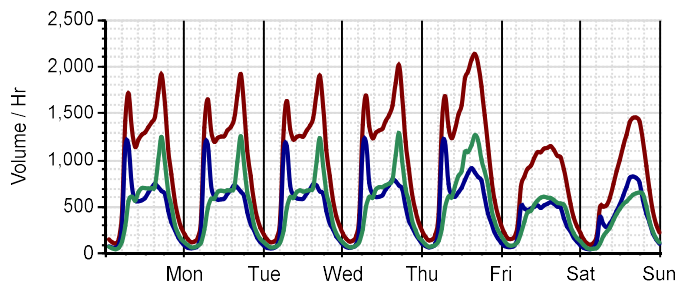
Typical Flow for a Saturday



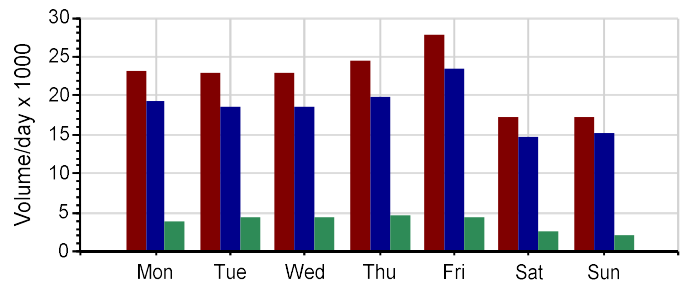
Typical Flow for a Sunday



Typical Flow for a Week






Typical Flow for a Week



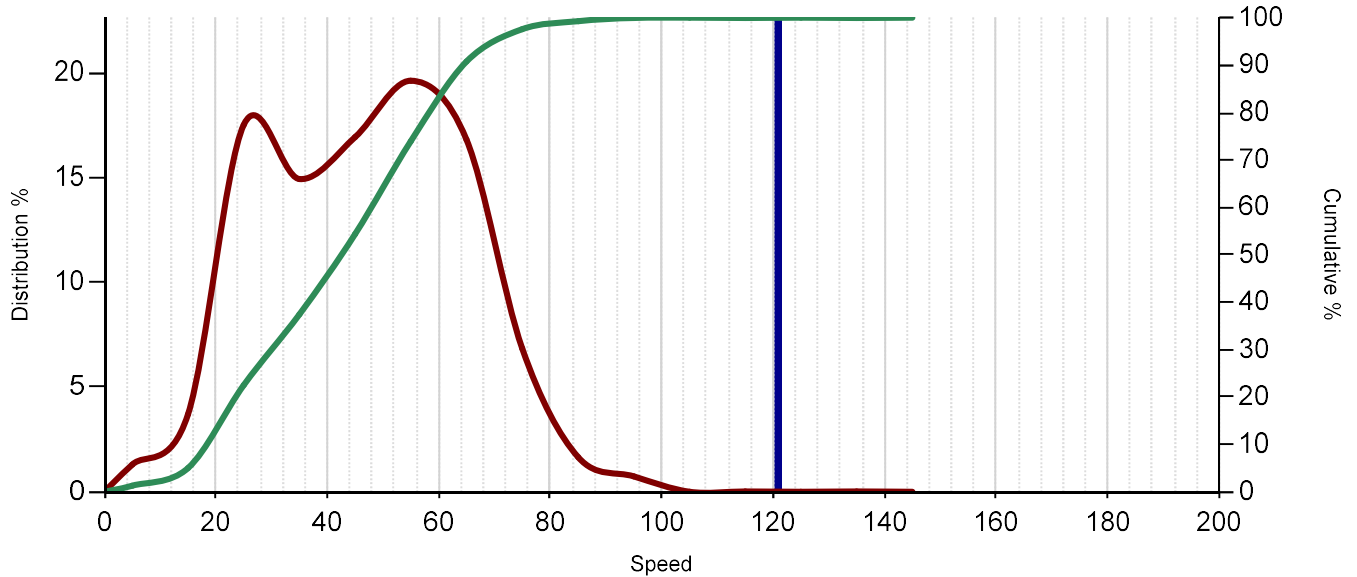


## Station Speed Distribution

Site	3051 - Witbank WIM (MS2)
Speed Limit	120 km/hr
Period	01 Jan 2019 - 31 Dec 2019




	Distribution
	Cumulative
	Speed Limit

Lane 1 - Slow to eMalahleni

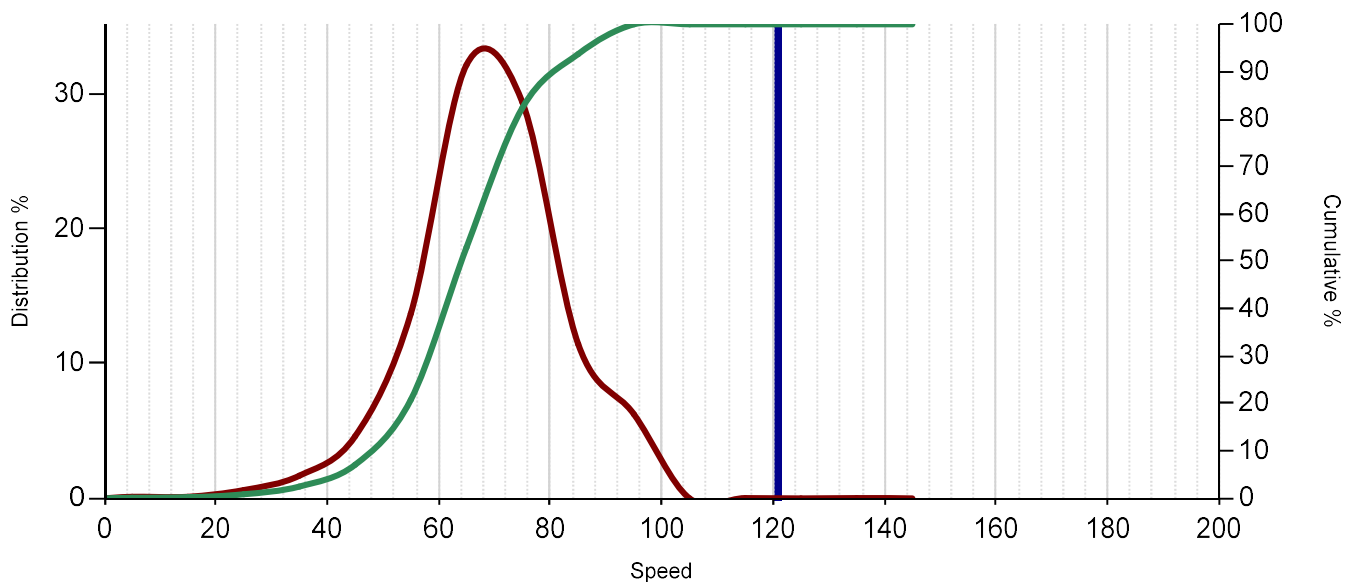


## Station Speed Distribution

Site	3051 - Witbank WIM (MS2)
Speed Limit	120 km/hr
Period	01 Jan 2019 - 31 Dec 2019

	Distribution
	Cumulative
	Speed Limit

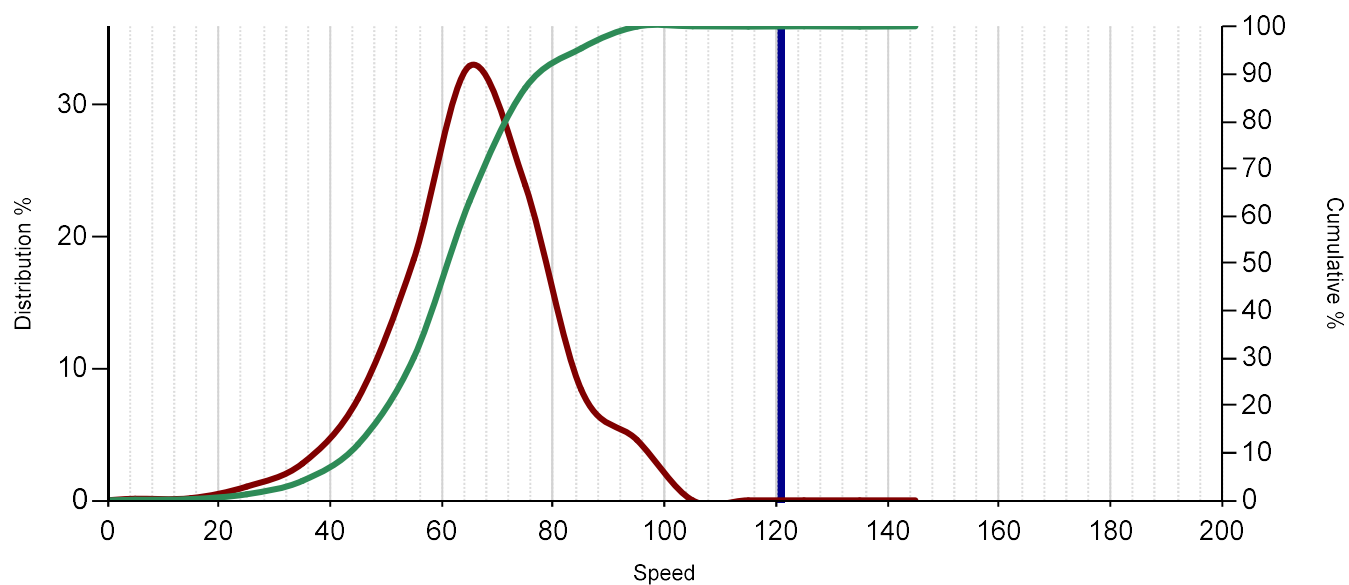
Lane 2 - Fast to eMalahleni



## Station Speed Distribution

Site	3051 - Witbank WIM (MS2)	<div> <div></div> Distribution </div> <div> <div></div> Cumulative </div> <div> <div></div> Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	

Lane 3 - Fast to Ogies



## Station Speed Distribution

Site	3051 - Witbank WIM (MS2)	<div> <div></div> Distribution </div> <div> <div></div> Cumulative </div> <div> <div></div> Speed Limit </div>
Speed Limit	120 km/hr	
Period	01 Jan 2019 - 31 Dec 2019	

Lane 4 - Slow to Ogies

