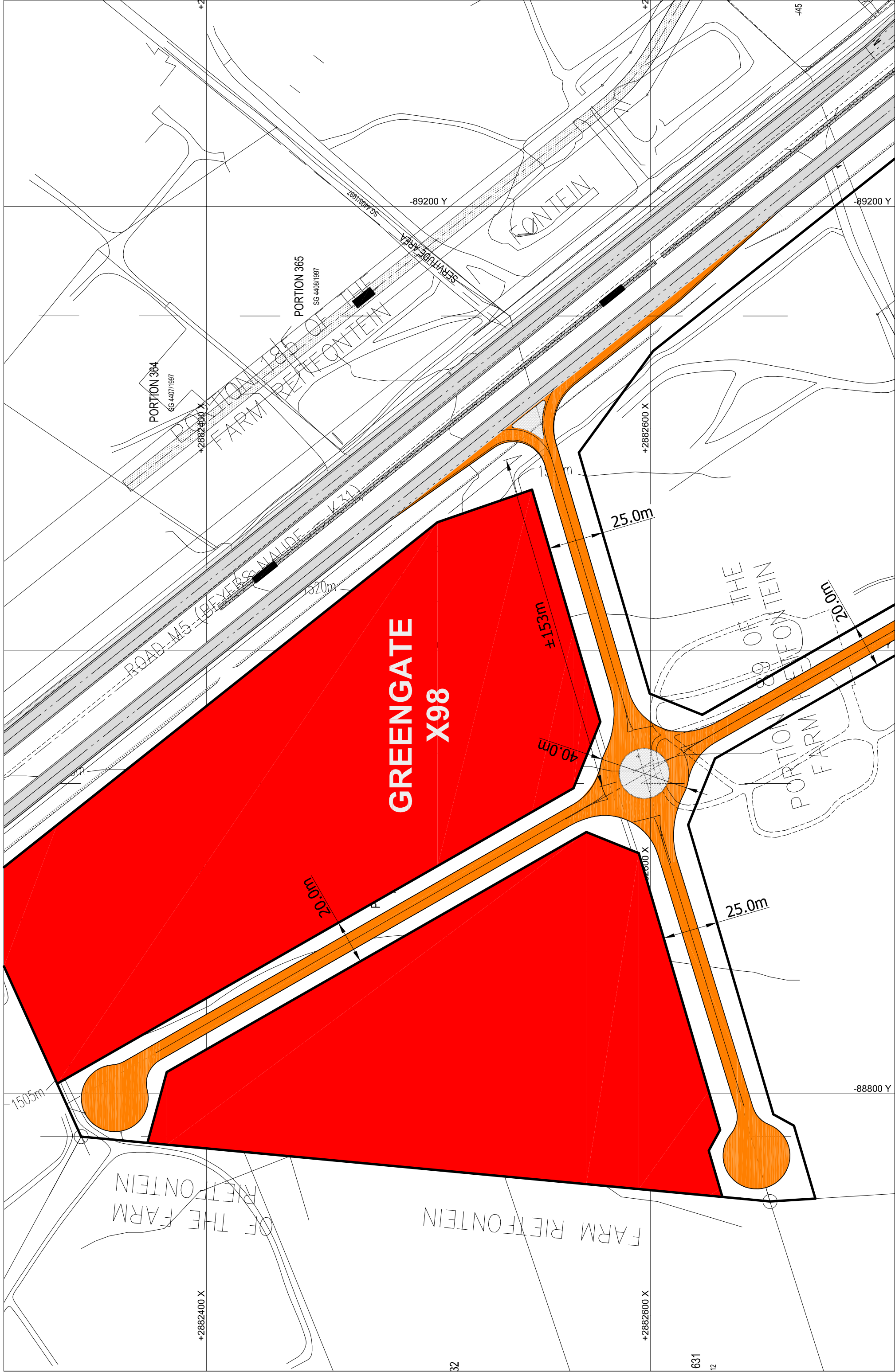


APPENDICES



Appendix F: Proposed Access Arrangements



APPENDICES



Appendix G: Traffic Counts



WEDNESDAY: 06 NOVEMBER 2019

- Location 1: Beyers Naude Dr (M5) / Jacaranda St Intersection
- Location 2: Beyers Naude Dr (M5) / Rocky Ridge Rd Intersection
- Location 3: Beyers Naude Dr (M5) / Tuohyvale Rd Intersection

- Location 4: Beyers Naude Dr (M5) / Valley Rd Intersection
- Location 5: Beyers Naude Dr (M5) / Incolae Rd Intersection
- Location 6: Beyers Naude Dr (M5) / Centre Access Rd Intersection
- Location 7: Beyers Naude Dr (M5) / Boland Rd / Indaba Ln Intersection

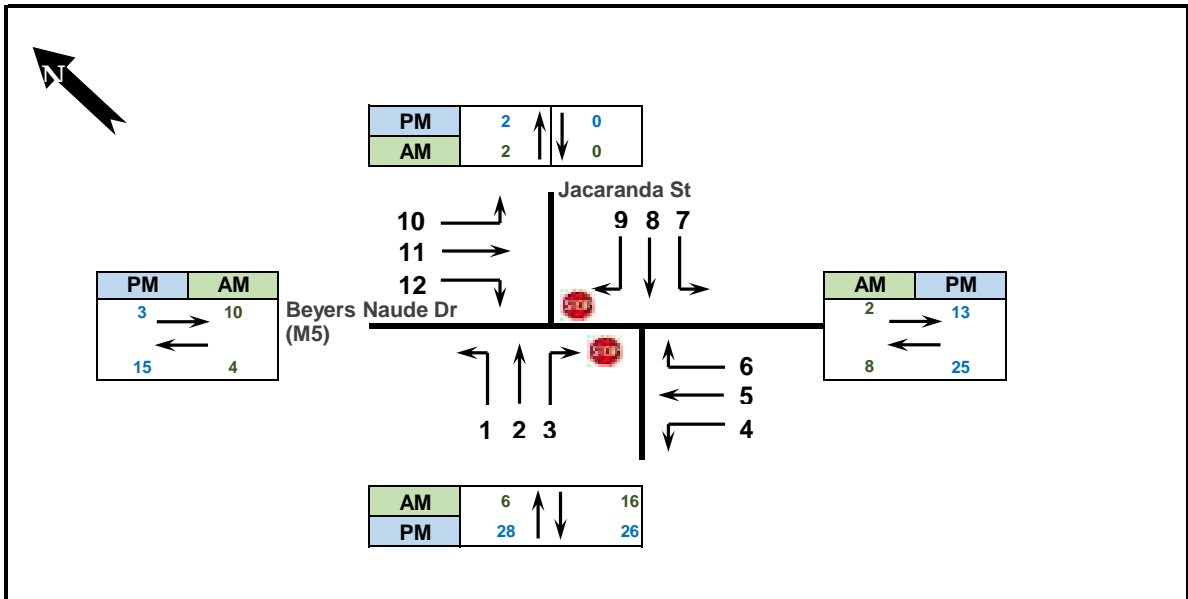


BEYERS NAUDE PROJECT

TRAFFIC SURVEY POSITIONS

Project: BEYERS NAUDE PROJECT
 Intersection: BEYERS NAUDE DR (M5) / JACARANDA ST
 Date: 06-Nov-19
 Day: Wednesday
 Location: 1

AM PEAK: 06:45 07:45
PM PEAK: 16:45 17:45



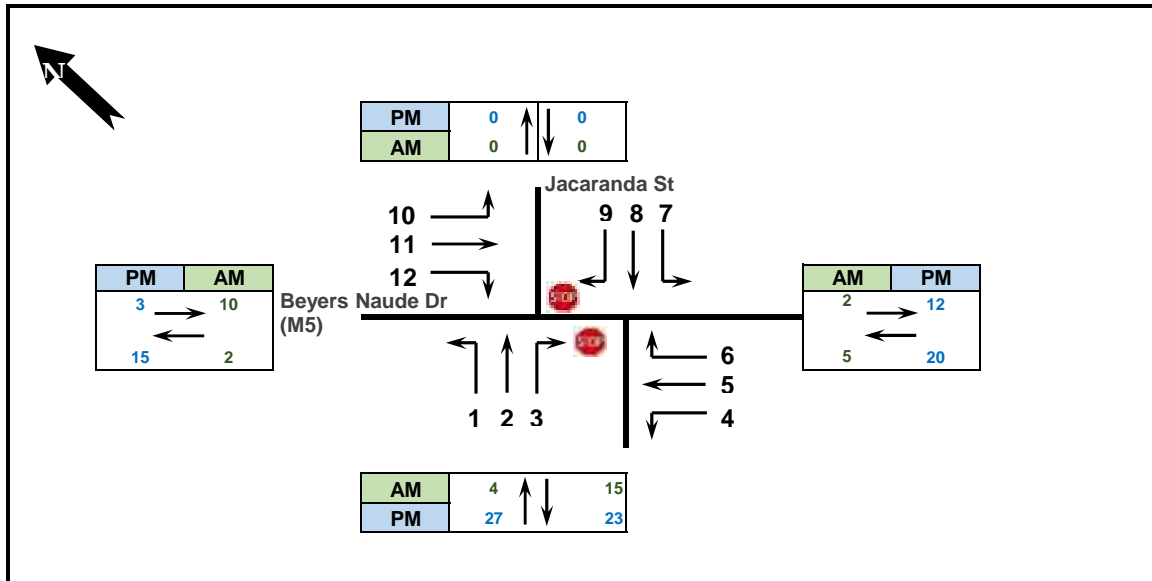
TOTAL VEHICLES

AM PERIOD														
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	3	0	2	1	0	0	0	0	0	0	0	3	
06:15	06:30	0	0	0	1	0	1	0	0	0	0	0	1	
06:30	06:45	1	0	0	2	0	1	0	0	0	0	0	1	
06:45	07:00	3	0	1	0	0	1	0	0	0	0	0	1	23
07:00	07:15	0	0	0	3	0	0	0	0	0	0	0	4	21
07:15	07:30	0	0	1	2	0	0	0	0	0	0	0	1	22
07:30	07:45	1	0	0	1	0	1	0	0	0	0	0	4	24
07:45	08:00	0	0	0	3	0	1	0	0	0	0	0	3	25
08:00	08:15	0	0	1	3	0	1	0	0	0	0	0	1	24
08:15	08:30	0	0	2	1	0	0	0	0	0	0	0	1	24
08:30	08:45	0	0	0	2	0	2	0	0	0	0	0	2	23
08:45	09:00	2	0	2	0	0	1	0	0	0	0	0	1	22
TOTAL		10	0	9	19	0	9	0	0	0	0	0	23	70
AM PEAK		4	0	2	6	0	2	0	0	0	0	0	10	24

PM PERIOD														
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	4	0	8	2	0	2	0	0	0	0	0	3	
15:45	16:00	1	0	0	2	0	0	0	0	0	0	0	0	
16:00	16:15	4	0	1	1	0	1	0	0	0	0	0	3	
16:15	16:30	2	0	6	2	0	2	0	0	0	0	0	2	46
16:30	16:45	4	0	4	1	0	2	0	0	0	0	0	0	38
16:45	17:00	5	0	1	3	0	0	0	0	0	0	0	0	44
17:00	17:15	2	0	3	5	0	1	0	0	0	0	0	1	46
17:15	17:30	5	0	5	11	0	1	0	0	0	0	0	1	55
17:30	17:45	3	0	4	4	0	0	0	0	0	0	0	1	56
17:45	18:00	1	0	1	5	0	1	0	0	0	0	0	1	56
18:00	18:15	0	0	2	1	0	1	0	0	0	0	0	1	49
18:15	18:30	0	0	0	0	0	1	0	0	0	0	0	0	27
TOTAL		31	0	35	37	0	12	0	0	0	0	0	13	128
PM PEAK		15	0	13	23	0	2	0	0	0	0	0	3	56

Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR (M5) / JACARANDA ST**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **1**

AM PEAK: 06:45 07:45
PM PEAK: 16:45 17:45



LIGHT VEHICLES

AM PERIOD

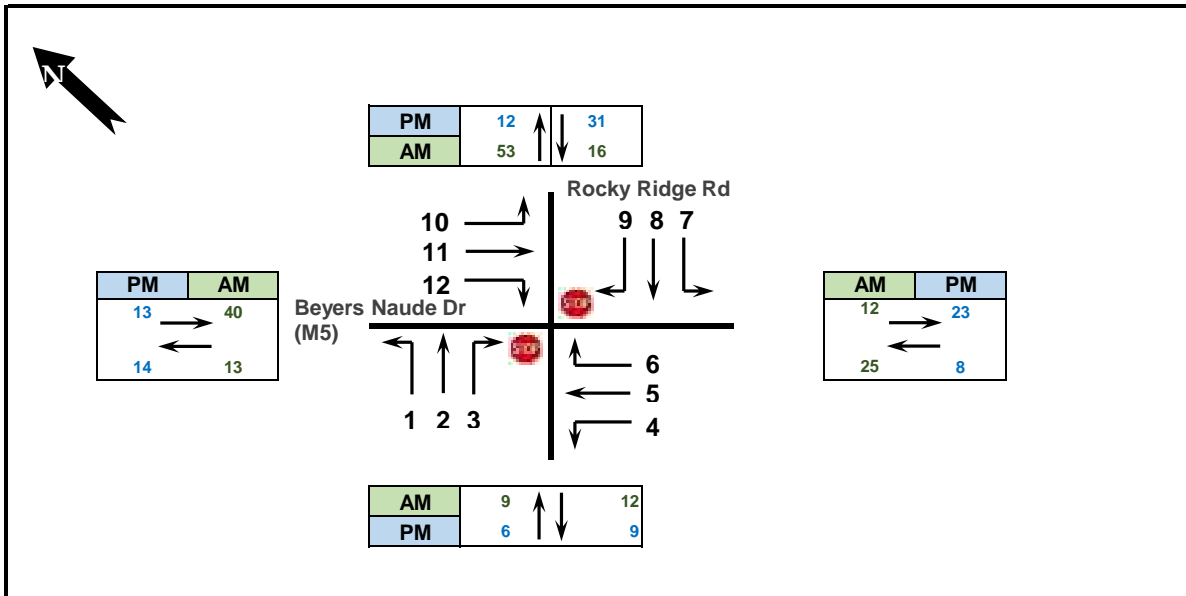
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15		2		1	0							3	
06:15	06:30		0		0	1							1	
06:30	06:45		0		0	2							1	
06:45	07:00		2		1	0							1	15
07:00	07:15		0		0	2							4	15
07:15	07:30		0		1	2							1	17
07:30	07:45		0		0	1							4	19
07:45	08:00		0		0	1							3	19
08:00	08:15		0		0	2							1	16
08:15	08:30		0		1	1							1	15
08:30	08:45		0		0	2							2	14
08:45	09:00		1		2	0							1	14
TOTAL			5	0	6	14	0	0	0	0	0	0	23	48
AM PEAK			2	0	2	5	0	0	0	0	0	0	10	19

PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45		3		6	0							3	
15:45	16:00		1		0	0							0	
16:00	16:15		3		1	1							3	
16:15	16:30		1		6	0							2	30
16:30	16:45		4		3	1							0	26
16:45	17:00		5		1	1							0	32
17:00	17:15		2		3	5							1	35
17:15	17:30		5		4	11							1	47
17:30	17:45		3		4	3							1	50
17:45	18:00		1		1	5							1	51
18:00	18:15		0		0	0							1	41
18:15	18:30		0		0	0							0	20
TOTAL			28	0	29	27	0	0	0	0	0	0	13	97
PM PEAK			15	0	12	20	0	0	0	0	0	0	3	50

Project: BEYERS NAUDE PROJECT
 Intersection: BEYERS NAUDE DR (M5) / ROCKY RIDGE RD
 Date: 06-Nov-19
 Day: Wednesday
 Location: 2

AM PEAK: 06:45 07:45
PM PEAK: 16:45 17:45



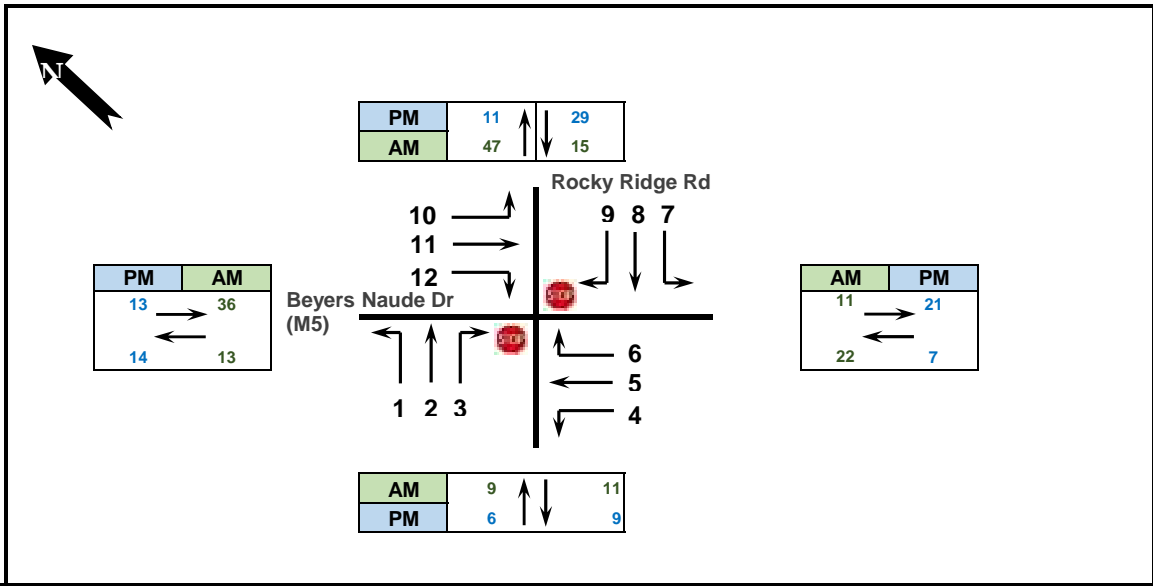
TOTAL VEHICLES

AM PERIOD														
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	1	0	1	1	0	0	0	0	0	4	0	1	
06:15	06:30	2	0	2	2	0	2	1	0	3	2	0	1	
06:30	06:45	3	0	1	0	0	4	2	0	1	7	0	3	
06:45	07:00	2	0	0	1	0	4	0	0	1	3	0	0	55
07:00	07:15	3	0	0	2	0	6	0	0	4	14	0	4	80
07:15	07:30	0	0	3	1	0	5	6	0	2	6	0	3	91
07:30	07:45	1	0	0	0	0	6	3	0	0	9	0	1	90
07:45	08:00	0	0	4	2	0	14	6	0	0	10	0	1	116
08:00	08:15	0	0	1	2	0	6	1	0	1	5	0	0	99
08:15	08:30	1	0	3	0	0	3	4	0	3	5	0	0	92
08:30	08:45	1	0	1	0	0	4	2	0	1	3	0	0	84
08:45	09:00	2	0	2	2	0	5	0	0	1	2	0	0	61
TOTAL		16	0	18	13	0	59	25	0	17	70	0	14	232
AM PEAK		6	0	3	4	0	21	9	0	7	32	0	8	90

PM PERIOD														
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	3	0	2	0	0	0	1	0	5	6	0	3	
15:45	16:00	0	0	3	1	0	2	2	0	1	4	0	0	
16:00	16:15	1	0	0	1	0	3	4	0	4	1	0	0	
16:15	16:30	0	0	0	3	0	1	1	0	6	3	0	1	62
16:30	16:45	2	0	0	1	0	1	1	0	0	2	0	3	52
16:45	17:00	0	0	0	0	0	1	5	0	0	2	0	3	50
17:00	17:15	0	0	2	3	0	2	6	0	5	3	0	1	58
17:15	17:30	2	0	0	0	0	0	6	0	5	1	0	1	58
17:30	17:45	0	0	2	0	0	2	2	0	2	1	0	1	58
17:45	18:00	0	0	1	0	0	6	5	0	3	5	0	1	68
18:00	18:15	0	0	0	0	0	3	0	0	0	0	0	0	49
18:15	18:30	0	0	0	0	0	1	0	0	0	0	0	0	35
TOTAL		8	0	10	9	0	22	33	0	31	28	0	14	155
PM PEAK		2	0	4	3	0	5	19	0	12	7	0	6	58

Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR (M5) / ROCKY RIDGE RD**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **2**

AM PEAK: 06:45 07:45
PM PEAK: 16:45 17:45



LIGHT VEHICLES

AM PERIOD

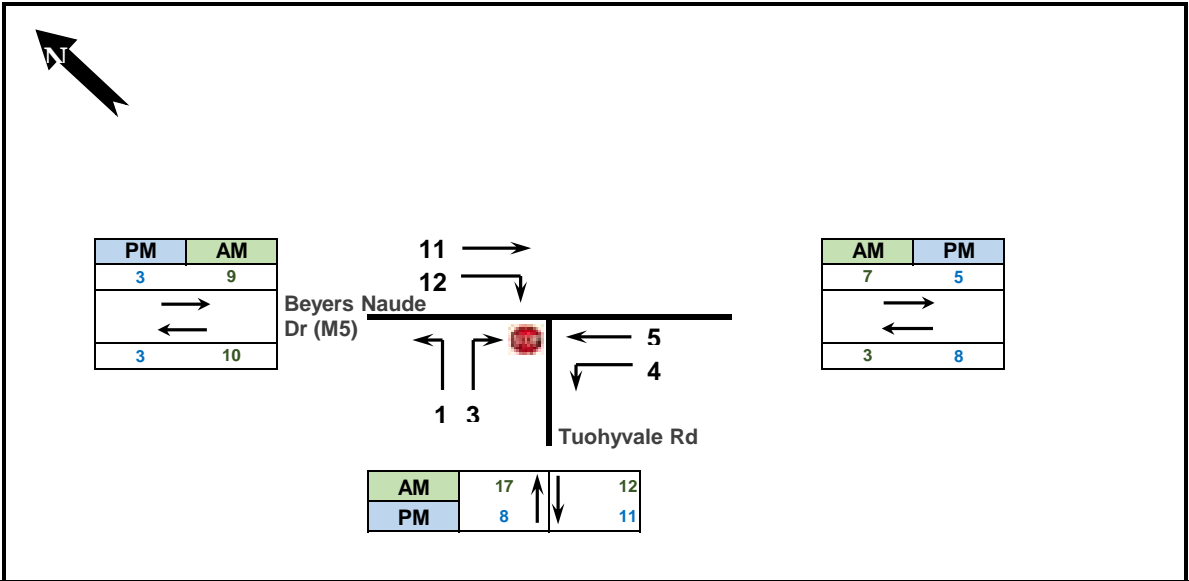
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	0		0	0		0	0		0	4		0	
06:15	06:30	2		2	2		2	1		3	2		1	
06:30	06:45	2		1	0		4	2		1	7		3	
06:45	07:00	2		0	1		2	0		1	3		0	48
07:00	07:15	3		0	1		6	0		4	13		4	75
07:15	07:30	0		3	1		5	6		2	3		3	83
07:30	07:45	1		0	0		6	2		0	9		1	82
07:45	08:00	0		3	2		13	6		0	8		0	105
08:00	08:15	0		0	2		6	1		1	5		0	89
08:15	08:30	1		3	0		3	4		2	5		0	84
08:30	08:45	1		1	0		4	2		1	3		0	77
08:45	09:00	2		2	2		5	0		1	2		0	59
TOTAL		14	0	15	11	0	56	24	0	16	64	0	12	212
AM PEAK		6	0	3	3	0	19	8	0	7	28	0	8	82

PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	3		2	0		0	1		5	5		3	
15:45	16:00	0		2	1		2	2		1	4		0	
16:00	16:15	1		0	0		3	4		4	1		0	
16:15	16:30	0		0	1		1	1		6	2		1	56
16:30	16:45	2		0	1		1	1		0	2		2	46
16:45	17:00	0		0	0		1	5		0	2		3	45
17:00	17:15	0		2	3		2	6		5	3		1	54
17:15	17:30	2		0	0		0	4		5	1		1	55
17:30	17:45	0		2	0		1	2		2	1		1	55
17:45	18:00	0		1	0		4	5		3	5		1	63
18:00	18:15	0		0	0		0	0		0	0		0	41
18:15	18:30	0		0	0		0	0		0	0		0	28
TOTAL		8	0	9	6	0	15	31	0	31	26	0	13	139
PM PEAK		2	0	4	3	0	4	17	0	12	7	0	6	55

Project: BEYERS NAUDE PROJECT
 Intersection: BEYERS NAUDE DR / TUOHYVALE RD
 Date: 06-Nov-19
 Day: Wednesday
 Location: 3

AM PEAK: 06:45 07:45
PM PEAK: 16:45 17:45



TOTAL VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	0	0	1	6	0	0	0	0	0	0	0	0	
06:15	06:30	1	0	0	0	0	0	0	0	0	0	0	0	2
06:30	06:45	1	0	2	0	0	0	0	0	0	0	0	0	0
06:45	07:00	4	0	1	0	0	0	0	0	0	0	0	4	22
07:00	07:15	1	0	1	0	0	0	0	0	0	0	0	0	17
07:15	07:30	1	0	2	2	0	0	0	0	0	0	0	3	22
07:30	07:45	4	0	3	1	0	0	0	0	0	0	0	2	29
07:45	08:00	0	0	0	4	0	0	0	0	0	0	0	0	24
08:00	08:15	1	0	1	3	0	0	0	0	0	0	0	1	28
08:15	08:30	1	0	2	3	0	0	0	0	0	0	0	1	27
08:30	08:45	0	0	1	1	0	0	0	0	0	0	0	0	19
08:45	09:00	0	0	1	1	0	0	0	0	0	0	0	1	18
TOTAL		14	0	15	21	0	0	0	0	0	0	0	14	69
AM PEAK		10	0	7	3	0	0	0	0	0	0	0	9	29

PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	0	0	0	0	0	0	0	0	0	0	0	1	
15:45	16:00	0	0	4	1	0	0	0	0	0	0	0	0	5
16:00	16:15	1	0	1	2	0	0	0	0	0	0	0	2	6
16:15	16:30	2	0	3	0	0	0	0	0	0	0	0	2	19
16:30	16:45	4	0	3	4	0	0	0	0	0	0	0	0	29
16:45	17:00	2	0	3	2	0	0	0	0	0	0	0	0	31
17:00	17:15	1	0	1	2	0	0	0	0	0	0	0	2	31
17:15	17:30	0	0	1	1	0	0	0	0	0	0	0	0	26
17:30	17:45	0	0	0	3	0	0	0	0	0	0	0	1	19
17:45	18:00	1	0	1	4	0	0	0	0	0	0	0	2	20
18:00	18:15	0	0	0	0	0	0	0	0	0	0	0	0	14
18:15	18:30	0	0	0	0	0	0	0	0	0	0	0	0	12
TOTAL		11	0	17	19	0	0	0	0	0	0	0	10	47
PM PEAK		3	0	5	8	0	0	0	0	0	0	0	3	19

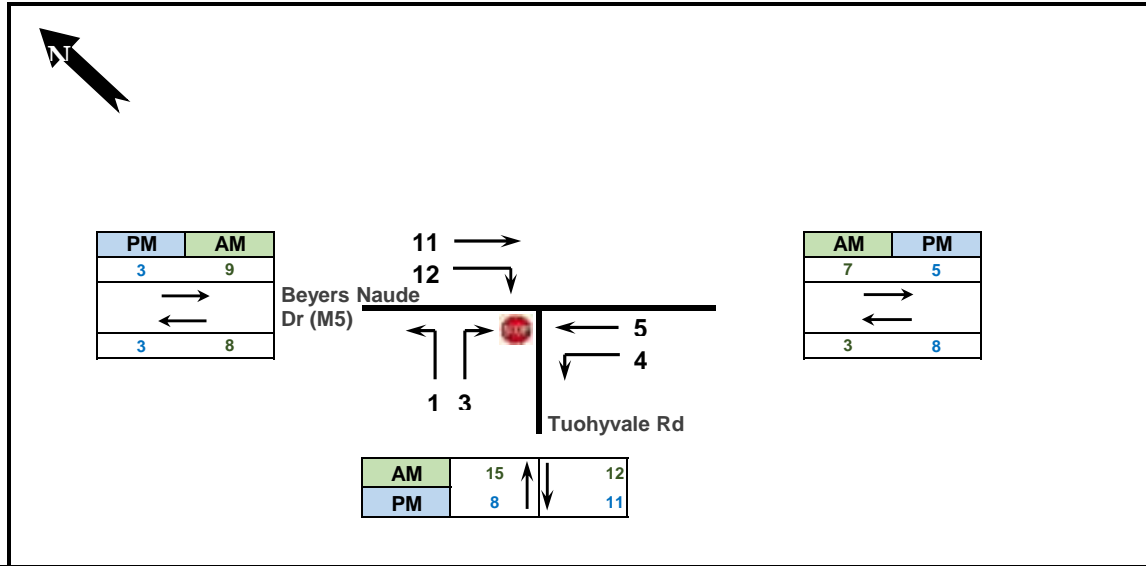
7
3
3
9
2
8
10
4
6
7
2
3

1
5
6
7
11
7
6
2
4
8
0
0

Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR / TUOHYVALE RD**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **3**

AM PEAK: 06:45 07:45

PM PEAK: 16:45 17:45



LIGHT VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	0		1	2									0
06:15	06:30	1		0	0									1
06:30	06:45	1		1	0									0
06:45	07:00	4		1	0									4
07:00	07:15	0		1	0									0
07:15	07:30	1		2	2									3
07:30	07:45	3		3	1									2
07:45	08:00	0		0	3									0
08:00	08:15	1		1	3									1
08:15	08:30	1		2	3									1
08:30	08:45	0		1	1									0
08:45	09:00	0		1	1									1
TOTAL		12	0	14	16	0	0	0	0	0	0	0	13	60
AM PEAK		8	0	7	3	0	0	0	0	0	0	0	9	27

PM PERIOD

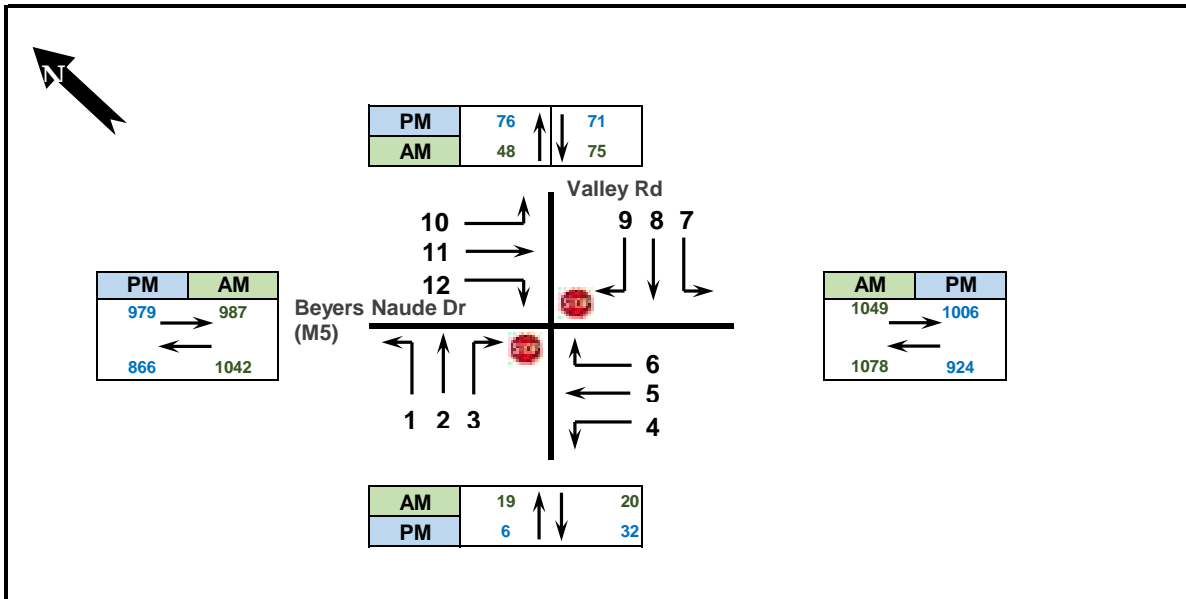
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	0		0	0									1
15:45	16:00	0		4	0									0
16:00	16:15	1		1	2									2
16:15	16:30	1		2	0									2
16:30	16:45	4		3	4									0
16:45	17:00	2		3	2									0
17:00	17:15	1		1	2									2
17:15	17:30	0		1	1									0
17:30	17:45	0		0	3									1
17:45	18:00	1		1	4									2
18:00	18:15	0		0	0									0
18:15	18:30	0		0	0									0
TOTAL		10	0	16	18	0	0	0	0	0	0	0	10	54
PM PEAK		3	0	5	8	0	0	0	0	0	0	0	3	19

3
2
2
9
1
8
9
3
6
7
2
3

1
4
6
5
26
11
29
7
6
2
4
20
8
0
0

Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR (M5) / VALLEY RD**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **4**

AM PEAK: 06:45 07:45
PM PEAK: 16:45 17:45



TOTAL VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	0	0	2	0	126	8	24	0	4	0	157	0	
06:15	06:30	0	0	3	1	183	7	17	0	2	1	173	1	
06:30	06:45	0	0	2	1	193	12	18	0	0	3	218	0	
06:45	07:00	0	0	2	2	259	8	24	0	1	2	253	2	1709
07:00	07:15	0	1	4	1	246	8	16	0	5	4	330	1	2004
07:15	07:30	2	0	3	4	253	8	16	0	1	3	143	4	2053
07:30	07:45	4	0	3	6	270	13	11	0	1	1	244	0	2159
07:45	08:00	1	0	4	3	258	8	14	1	1	8	222	1	2127
08:00	08:15	0	0	3	0	231	16	15	0	2	2	180	2	1962
08:15	08:30	0	0	1	4	226	8	9	0	1	1	189	1	1965
08:30	08:45	4	0	1	2	176	8	7	0	2	1	167	3	1783
08:45	09:00	0	0	2	2	180	9	12	1	4	2	159	5	1638
TOTAL		11	1	30	26	2601	113	183	2	24	28	2435	20	5474
AM PEAK		6	1	12	13	1028	37	67	0	8	10	970	7	2159

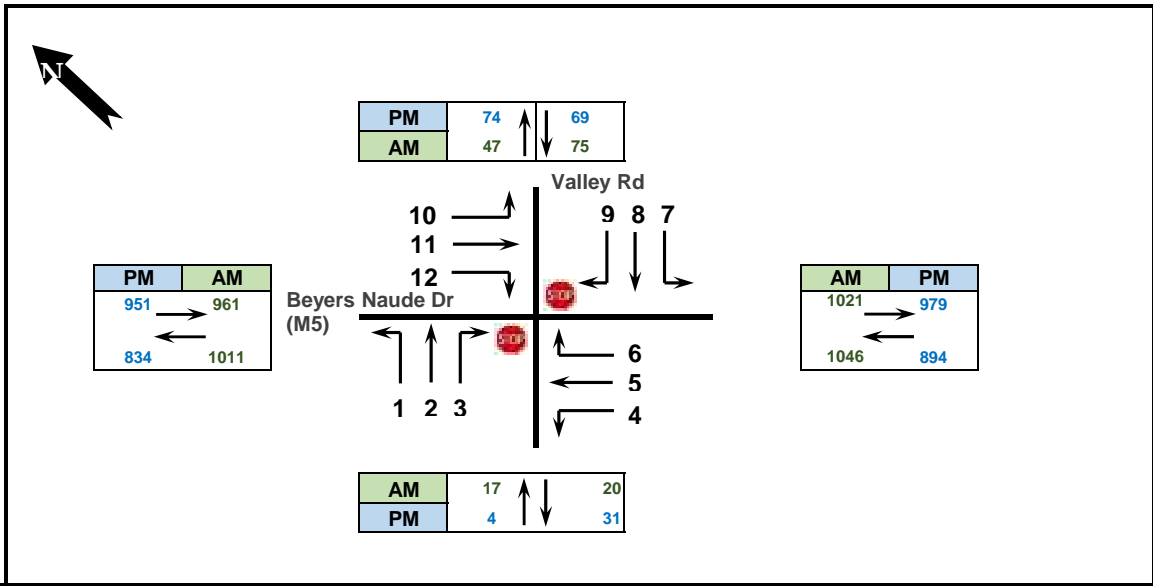
PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	1	1	2	2	191	11	8	0	3	4	163	1	
15:45	16:00	0	0	0	1	190	14	30	0	10	4	182	0	
16:00	16:15	0	0	1	3	196	12	11	0	6	5	207	4	
16:15	16:30	3	0	0	1	228	13	10	0	3	4	195	3	1723
16:30	16:45	0	0	1	2	213	12	9	0	6	1	260	0	1840
16:45	17:00	2	0	1	1	236	15	12	0	3	2	250	2	1933
17:00	17:15	0	0	2	3	215	20	9	0	1	4	219	1	1962
17:15	17:30	0	0	1	5	200	16	15	0	3	5	225	3	1975
17:30	17:45	0	0	0	0	202	11	13	11	4	3	259	6	1980
17:45	18:00	0	0	0	4	178	14	14	0	8	2	141	1	1818
18:00	18:15	1	0	2	2	152	20	5	0	3	3	114	1	1647
18:15	18:30	0	0	2	4	137	13	7	0	2	4	128	1	1472
TOTAL		7	1	12	28	2338	171	143	11	52	41	2343	23	5170
PM PEAK		2	0	4	9	853	62	49	11	11	14	953	12	1980

Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR (M5) / VALLEY RD**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **4**

AM PEAK: 06:45 07:45

PM PEAK: 16:45 17:45



LIGHT VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	0	0	2	0	115	8	24	0	4	0	151	0	
06:15	06:30	0	0	3	1	176	7	17	0	2	1	169	1	
06:30	06:45	0	0	2	1	184	12	18	0	0	3	212	0	
06:45	07:00	0	0	2	2	247	7	24	0	1	2	247	2	1647
07:00	07:15	0	1	3	1	239	8	16	0	5	4	322	1	1943
07:15	07:30	2	0	3	4	247	8	16	0	1	3	139	4	1993
07:30	07:45	4	0	2	6	264	13	11	0	1	1	236	0	2099
07:45	08:00	1	0	4	3	250	8	14	1	1	8	208	1	2064
08:00	08:15	0	0	3	0	224	15	14	0	2	2	175	2	1901
08:15	08:30	0	0	1	2	215	8	9	0	1	1	182	1	1894
08:30	08:45	3	0	1	2	166	8	7	0	2	1	152	2	1700
08:45	09:00	0	0	2	1	172	8	11	1	4	2	147	3	1552
TOTAL		10	1	28	23	2499	110	181	2	24	28	2340	17	5263
AM PEAK		6	1	10	13	997	36	67	0	8	10	944	7	2099

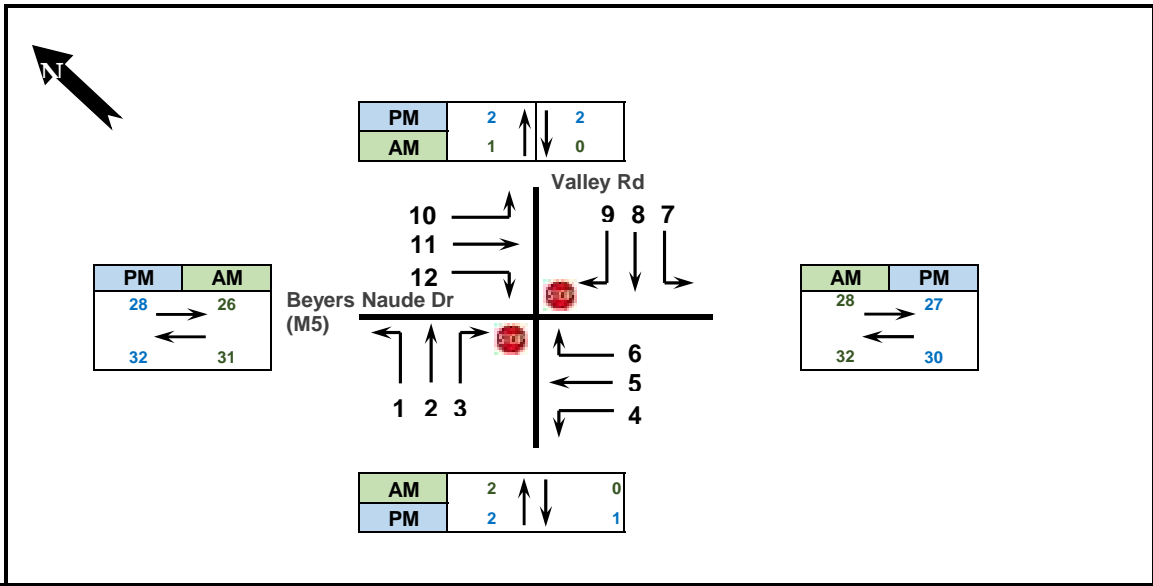
PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	1	1	2	2	172	11	8	0	3	4	152	1	
15:45	16:00	0	0	0	1	182	13	29	0	10	2	170	0	
16:00	16:15	0	0	1	3	183	11	9	0	6	5	190	3	
16:15	16:30	0	0	0	1	212	13	10	0	2	4	178	2	1597
16:30	16:45	0	0	1	2	202	12	9	0	6	1	253	0	1726
16:45	17:00	0	0	1	1	230	15	12	0	2	2	241	2	1825
17:00	17:15	0	0	2	3	209	20	9	0	1	4	210	1	1873
17:15	17:30	0	0	1	5	191	15	15	0	2	5	222	3	1910
17:30	17:45	0	0	0	0	195	10	13	11	4	3	253	5	1918
17:45	18:00	0	0	0	4	169	14	14	0	4	2	139	1	1759
18:00	18:15	1	0	2	2	144	20	5	0	3	3	110	1	1591
18:15	18:30	0	0	2	4	131	13	7	0	1	4	126	1	1421
TOTAL		2	1	12	28	2220	167	140	11	44	39	2244	20	4928
PM PEAK		0	0	4	9	825	60	49	11	9	14	926	11	1918

Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR (M5) / VALLEY RD**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **4**

AM PEAK: 06:45 07:45

PM PEAK: 16:45 17:45



HEAVY VEHICLES

AM PERIOD

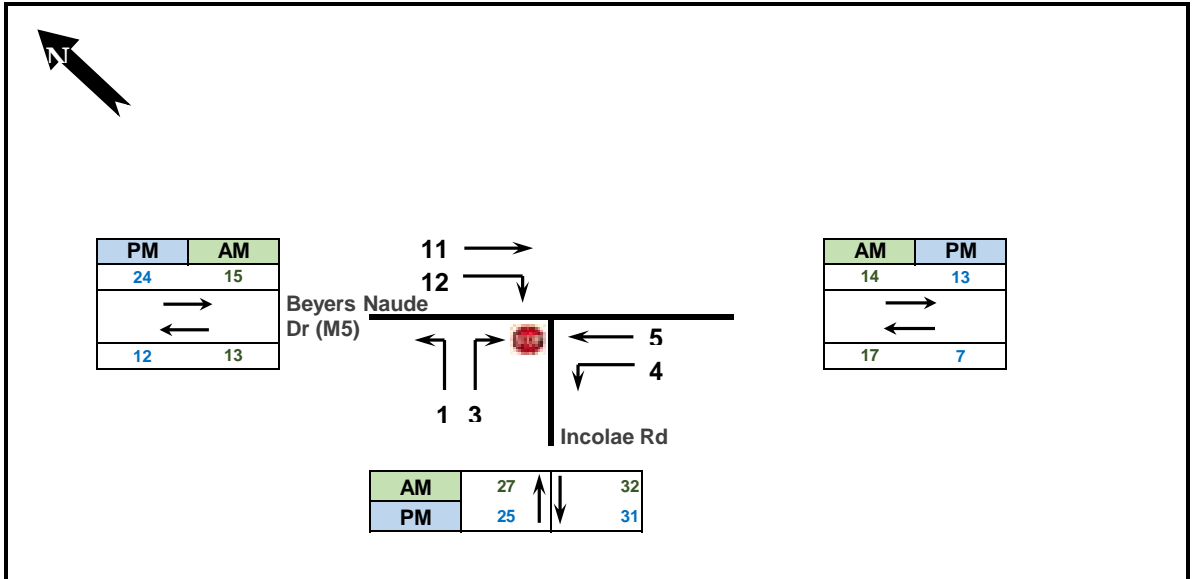
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15					11						6		
06:15	06:30					7						4		
06:30	06:45					9						6		
06:45	07:00					12	1					6		62
07:00	07:15			1		7						8		61
07:15	07:30					6						4		60
07:30	07:45			1		6						8		60
07:45	08:00					8						14		63
08:00	08:15					7	1	1				5		61
08:15	08:30				2	11						7		71
08:30	08:45	1				10						15	1	83
08:45	09:00				1	8	1	1				12	2	86
TOTAL		1	0	2	3	102	3	2	0	0	0	95	3	211
AM PEAK		0	0	2	0	31	1	0	0	0	0	26	0	60

PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45					19						11		
15:45	16:00					8	1	1			2	12		
16:00	16:15					13	1	2				17	1	
16:15	16:30	3				16				1		17	1	126
16:30	16:45					11				0		7		114
16:45	17:00	2				6				1		9		108
17:00	17:15					6						9		89
17:15	17:30					9	1			1		3		65
17:30	17:45					7	1					6	1	62
17:45	18:00					9				4		2		59
18:00	18:15					8						4		56
18:15	18:30					6				1		2		51
TOTAL		5	0	0	0	118		3	0	8	2	99	3	238
PM PEAK		2	0	0	0	28	2	0	0	2	0	27	1	62

Project: BEYERS NAUDE PROJECT
 Intersection: BEYERS NAUDE DR / INCOLAE RD
 Date: 06-Nov-19
 Day: Wednesday
 Location: 5

AM PEAK: 06:45 07:45
PM PEAK: 16:45 17:45



TOTAL VEHICLES

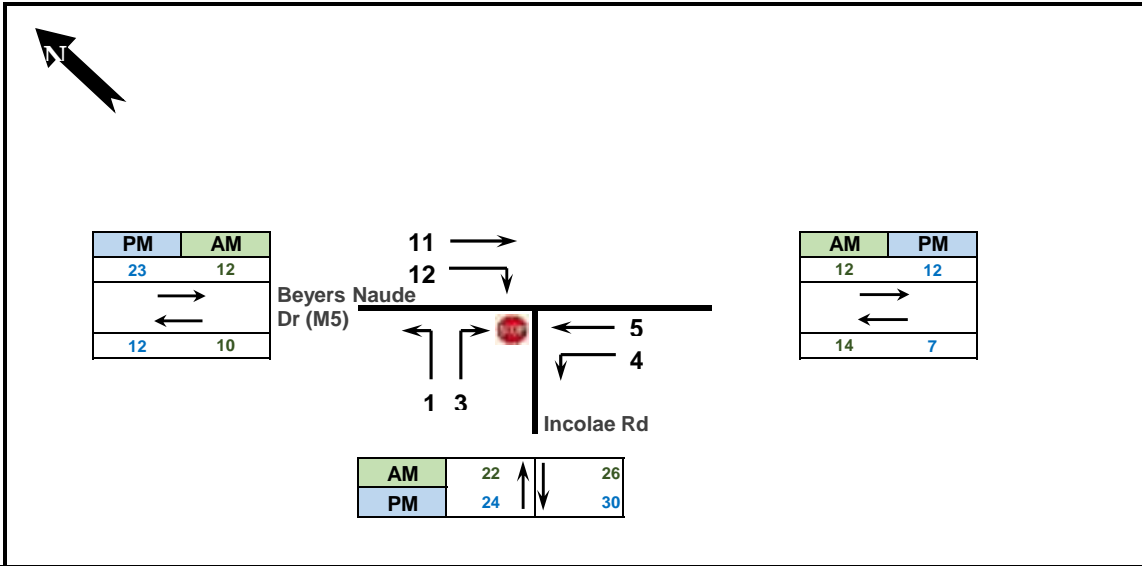
AM PERIOD														
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	1	0	4	0	0	0	0	0	0	0	0	0	2
06:15	06:30	4	0	4	1	0	0	0	0	0	0	0	0	2
06:30	06:45	1	0	3	3	0	0	0	0	0	0	0	0	3
06:45	07:00	2	0	4	3	0	0	0	0	0	0	0	0	5
07:00	07:15	4	0	2	4	0	0	0	0	0	0	0	0	2
07:15	07:30	2	0	4	7	0	0	0	0	0	0	0	0	1
07:30	07:45	5	0	4	3	0	0	0	0	0	0	0	0	7
07:45	08:00	3	0	8	2	0	0	0	0	0	0	0	0	4
08:00	08:15	3	0	1	1	0	0	0	0	0	0	0	0	6
08:15	08:30	2	0	4	2	0	0	0	0	0	0	0	0	3
08:30	08:45	0	0	2	1	0	0	0	0	0	0	0	0	3
08:45	09:00	1	0	8	1	0	0	0	0	0	0	0	0	6
TOTAL		28	0	48	28	0	0	0	0	0	0	0	44	170
AM PEAK		13	0	14	17	0	0	0	0	0	0	0	15	59

PM PERIOD														
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	2	0	3	0	0	0	0	0	0	0	0	0	5
15:45	16:00	0	0	7	0	0	0	0	0	0	0	0	0	8
16:00	16:15	0	0	2	0	0	0	0	0	0	0	0	0	5
16:15	16:30	2	0	2	1	0	0	0	0	0	0	0	0	5
16:30	16:45	4	0	4	2	0	0	0	0	0	0	0	0	2
16:45	17:00	1	0	0	2	0	0	0	0	0	0	0	0	6
17:00	17:15	5	0	5	1	0	0	0	0	0	0	0	0	3
17:15	17:30	3	0	3	2	0	0	0	0	0	0	0	0	10
17:30	17:45	3	0	5	2	0	0	0	0	0	0	0	0	5
17:45	18:00	3	0	0	2	0	0	0	0	0	0	0	0	4
18:00	18:15	0	0	0	0	0	0	0	0	0	0	0	0	3
18:15	18:30	0	0	1	0	0	0	0	0	0	0	0	0	1
TOTAL		23	0	32	12	0	0	0	0	0	0	0	57	68
PM PEAK		12	0	13	7	0	0	0	0	0	0	0	24	56

Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR / INCOLAE RD**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **5**

AM PEAK: 06:45 07:45

PM PEAK: 16:45 17:45



LIGHT VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	1		4	0									2
06:15	06:30	3		3	1									2
06:30	06:45	1		1	3									1
06:45	07:00	2		4	2									2
07:00	07:15	4		2	4									2
07:15	07:30	2		4	5									1
07:30	07:45	2		2	3									7
07:45	08:00	3		8	2									4
08:00	08:15	3		1	1									2
08:15	08:30	2		3	1									3
08:30	08:45	0		2	1									3
08:45	09:00	1		7	1									5
TOTAL		24	0	41	24	0	0	0	0	0	0	0	34	143
AM PEAK		10	0	12	14	0	0	0	0	0	0	0	12	48

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PM PERIOD

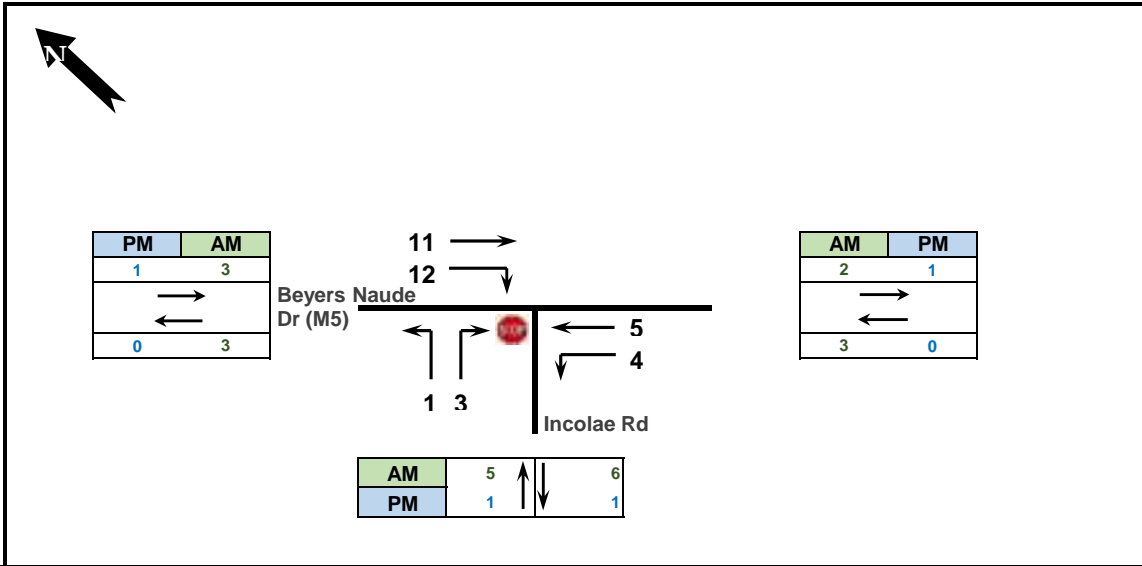
Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	2		3	0									5
15:45	16:00	0		6	0									6
16:00	16:15	0		1	0									3
16:15	16:30	2		2	1									5
16:30	16:45	2		3	1									1
16:45	17:00	1		0	2									5
17:00	17:15	5		5	1									3
17:15	17:30	3		3	2									10
17:30	17:45	3		4	2									5
17:45	18:00	3		0	2									3
18:00	18:15	0		0	0									0
18:15	18:30	0		0	0									0
TOTAL		21	0	27	11	0	0	0	0	0	0	0	46	105
PM PEAK		12	0	12	7	0	0	0	0	0	0	0	23	54

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Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR / INCOLAE RD**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **5**

AM PEAK: 06:45 07:45

PM PEAK: 16:45 17:45



HEAVY VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	0		0	0									0
06:15	06:30	1		1	0									0
06:30	06:45	0		2	0									2
06:45	07:00	0		0	1									3
07:00	07:15	0		0	0									0
07:15	07:30	0		0	2									0
07:30	07:45	3		2	0									0
07:45	08:00	0		0	0									0
08:00	08:15	0		0	0									4
08:15	08:30	0		1	1									0
08:30	08:45	0		0	0									0
08:45	09:00	0		1	0									1
TOTAL		4	0	7	4	0	0	0	0	0	0	0	10	25
AM PEAK		3	0	2	3	0	0	0	0	0	0	0	3	11

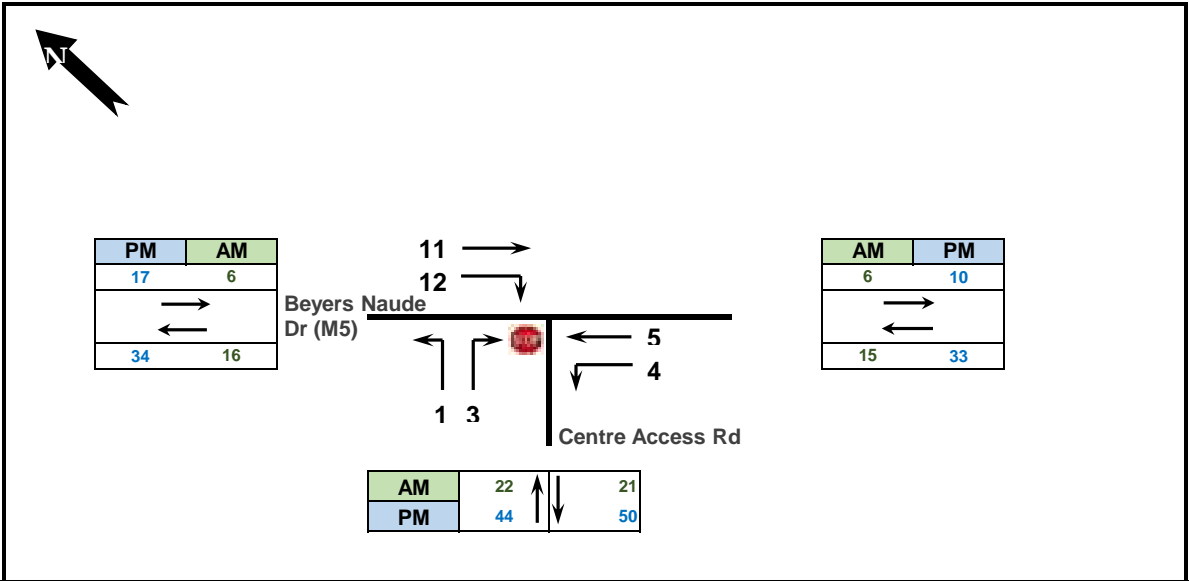
PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	0		0	0									0
15:45	16:00	0		1	0									2
16:00	16:15	0		1	0									2
16:15	16:30	0		0	0									0
16:30	16:45	2		1	1									1
16:45	17:00	0		0	0									1
17:00	17:15	0		0	0									0
17:15	17:30	0		0	0									0
17:30	17:45	0		1	0									0
17:45	18:00	0		0	0									1
18:00	18:15	0		0	0									3
18:15	18:30	0		1	0									1
TOTAL		2	0	5	1	0	0	0	0	0	0	0	11	19
PM PEAK		0	0	1	0	0	0	0	0	0	0	0	1	2

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Project: BEYERS NAUDE PROJECT
 Intersection: BEYERS NAUDE DR / CENTRE ACCESS RD
 Date: 06-Nov-19
 Day: Wednesday
 Location: 6

AM PEAK: 06:45 07:45
PM PEAK: 16:45 17:45



TOTAL VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	3	0	2	3	0	0	0	0	0	0	0	1	
06:15	06:30	0	0	0	1	0	0	0	0	0	0	0	0	
06:30	06:45	1	0	0	2	0	0	0	0	0	0	0	1	
06:45	07:00	3	0	2	3	0	0	0	0	0	0	0	1	23
07:00	07:15	1	0	1	4	0	0	0	0	0	0	0	1	21
07:15	07:30	4	0	0	1	0	0	0	0	0	0	0	0	25
07:30	07:45	8	0	3	7	0	0	0	0	0	0	0	4	43
07:45	08:00	2	0	2	3	0	0	0	0	0	0	0	2	43
08:00	08:15	7	0	3	12	0	0	0	0	0	0	0	3	61
08:15	08:30	7	0	1	4	0	0	0	0	0	0	0	1	69
08:30	08:45	7	0	3	7	0	0	0	0	0	0	0	2	66
08:45	09:00	2	0	5	2	0	0	0	0	0	0	0	4	70
TOTAL		45	0	22	49	0	0	0	0	0	0	0	20	168
AM PEAK		16	0	6	15	0	0	0	0	0	0	0	6	43

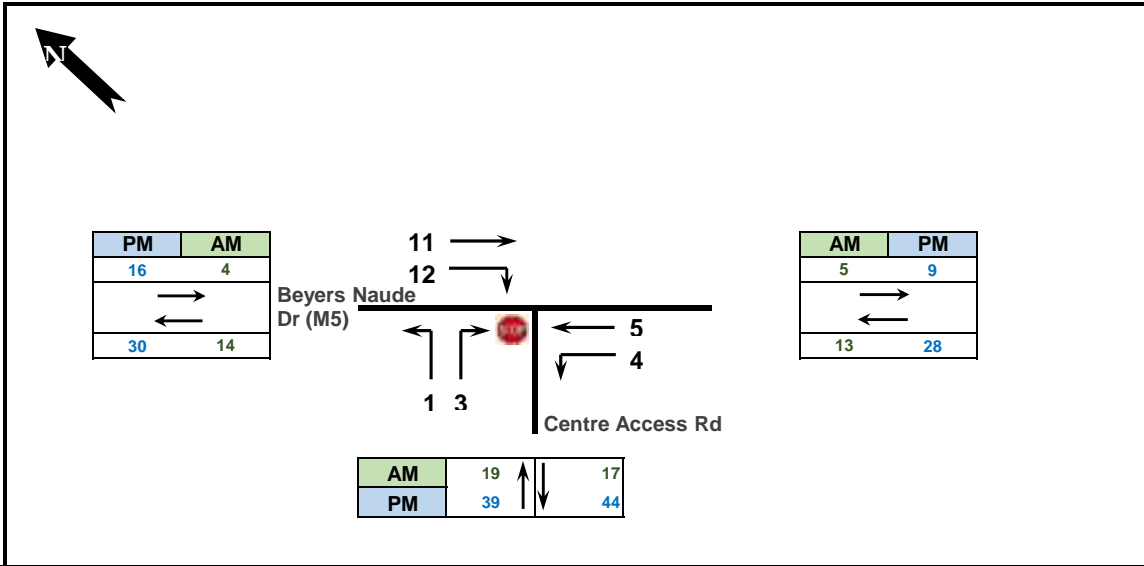
PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	7	0	3	12	0	0	0	0	0	0	0	1	
15:45	16:00	7	0	4	3	0	0	0	0	0	0	0	2	
16:00	16:15	9	0	2	8	0	0	0	0	0	0	0	6	
16:15	16:30	5	0	4	6	0	0	0	0	0	0	0	1	80
16:30	16:45	4	0	3	10	0	0	0	0	0	0	0	3	77
16:45	17:00	11	0	2	10	0	0	0	0	0	0	0	5	89
17:00	17:15	12	0	1	13	0	0	0	0	0	0	0	4	94
17:15	17:30	4	0	5	4	0	0	0	0	0	0	0	7	98
17:30	17:45	7	0	2	6	0	0	0	0	0	0	0	1	94
17:45	18:00	1	0	4	5	0	0	0	0	0	0	0	1	77
18:00	18:15	2	0	0	3	0	0	0	0	0	0	0	1	53
18:15	18:30	1	0	1	1	0	0	0	0	0	0	0	0	36
TOTAL		70	0	31	81	0	0	0	0	0	0	0	32	185
PM PEAK		34	0	10	33	0	0	0	0	0	0	0	17	94

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Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR / CENTRE ACCESS RD**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **6**

AM PEAK: 06:45 07:45
PM PEAK: 16:45 17:45



LIGHT VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15		3		2	3								1
06:15	06:30		0		0	1								0
06:30	06:45		1		0	2								1
06:45	07:00		2		2	3								0
07:00	07:15		1		1	4								1
07:15	07:30		4		0	1								0
07:30	07:45		7		2	5								3
07:45	08:00		2		1	3								2
08:00	08:15		7		2	12								2
08:15	08:30		6		0	3								0
08:30	08:45		6		3	5								2
08:45	09:00		1		5	1								4
TOTAL			40	0	18	43	0	0	0	0	0	0	16	144
AM PEAK			14	0	5	13	0	0	0	0	0	0	4	36

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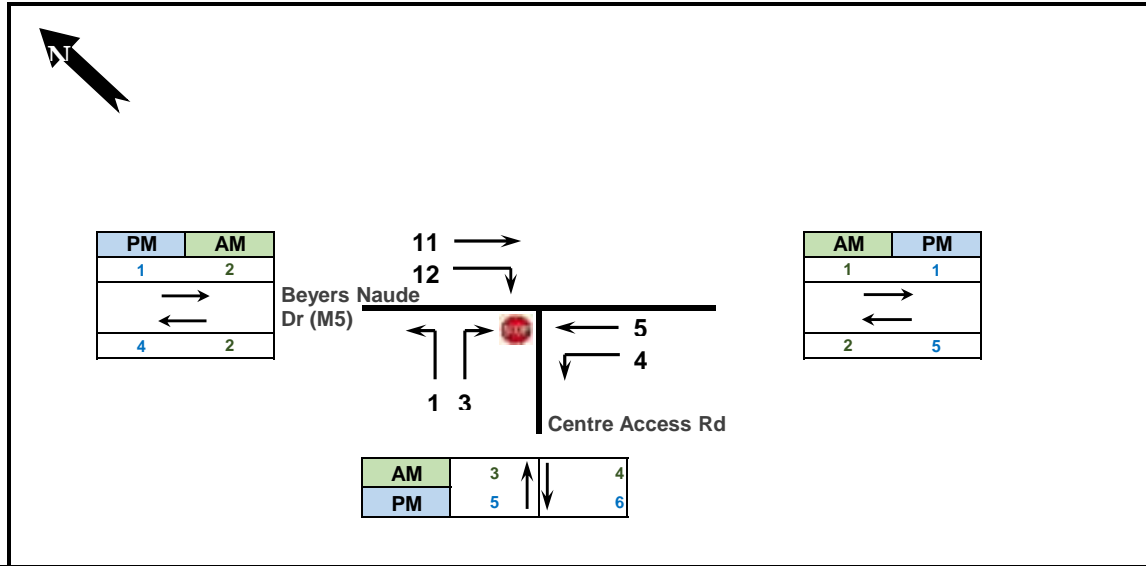
PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45		7		3	12								1
15:45	16:00		7		4	3								2
16:00	16:15		6		1	7								3
16:15	16:30		4		4	4								1
16:30	16:45		3		3	10								2
16:45	17:00		9		2	8								5
17:00	17:15		11		1	10								4
17:15	17:30		3		4	4								6
17:30	17:45		7		2	6								1
17:45	18:00		1		4	5								1
18:00	18:15		0		0	0								0
18:15	18:30		0		0	0								0
TOTAL			58	0	28	69	0	0	0	0	0	0	26	181
PM PEAK			30	0	9	28	0	0	0	0	0	0	16	83

23
16
17
13
69
18
24
26
17
16
11
0
0

Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR / CENTRE ACCESS RD**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **6**

AM PEAK: 06:45 07:45
PM PEAK: 16:45 17:45



HEAVY VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	0		0	0								0	
06:15	06:30	0		0	0								0	
06:30	06:45	0		0	0								0	
06:45	07:00	1		0	0								1	2
07:00	07:15	0		0	0								0	2
07:15	07:30	0		0	0								0	2
07:30	07:45	1		1	2								1	7
07:45	08:00	0		1	0								0	6
08:00	08:15	0		1	0								1	8
08:15	08:30	1		1	1								1	12
08:30	08:45	1		0	2								0	10
08:45	09:00	1		0	1								0	11
TOTAL		5	0	4	6	0	0	0	0	0	0	0	4	19
AM PEAK		2	0	1	2	0	0	0	0	0	0	0	2	7

PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	0		0	0								0	
15:45	16:00	0		0	0								0	
16:00	16:15	3		1	1								3	8
16:15	16:30	1		0	2								0	11
16:30	16:45	1		0	0								1	13
16:45	17:00	2		0	2								0	17
17:00	17:15	1		0	3								0	13
17:15	17:30	1		1	0								1	13
17:30	17:45	0		0	0								0	11
17:45	18:00	0		0	0								0	7
18:00	18:15	2		0	3								1	9
18:15	18:30	1		1	1								0	9
TOTAL		12	0	3	12	0	0	0	0	0	0	0	6	33
PM PEAK		4	0	1	5	0	0	0	0	0	0	0	1	11

0
0
0
2
0
0
5
1
2
4
3
2

0
0
8
3
2
4
4
3
0
0
6
3

Project: BEYERS NAUDE PROJECT

AM PEAK: 06:45 07:45

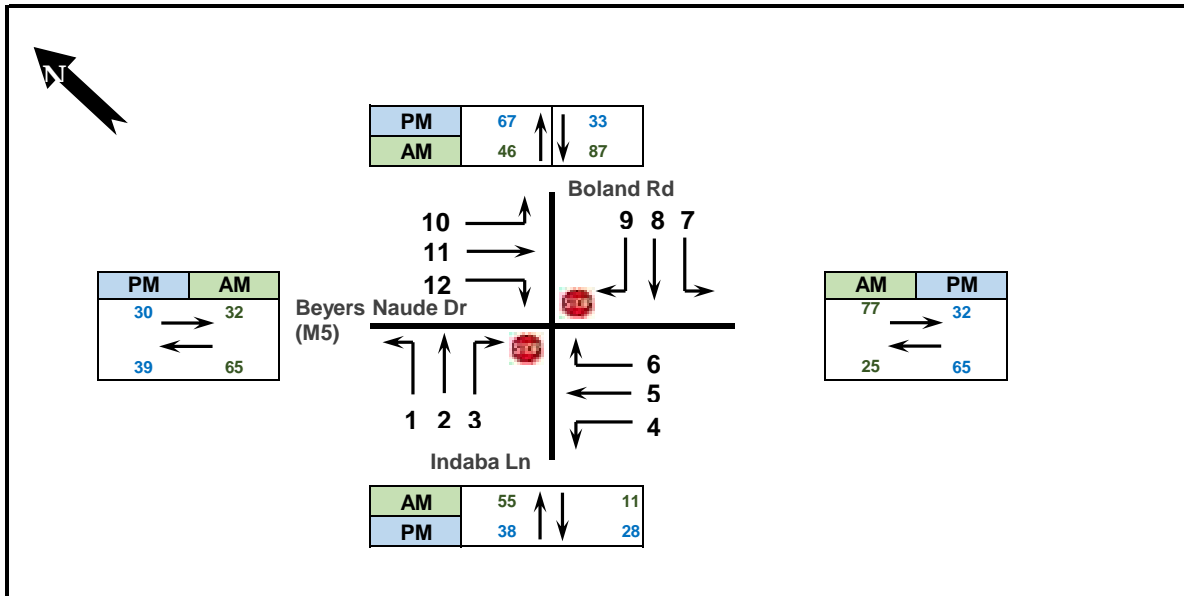
Intersection: BEYERS NAUDE DR (M5) / INDABA LN / BOLAND RD

PM PEAK: 16:45 17:45

Date: 06-Nov-19

Day: Wednesday

Location: 7



TOTAL VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
06:00	06:15	3	0	16	5	0	4	11	0	11	4	0	0	
06:15	06:30	0	0	8	3	0	2	5	0	8	4	0	0	
06:30	06:45	2	0	8	6	0	2	14	0	16	8	0	0	
06:45	07:00	5	0	6	1	0	1	5	0	10	8	0	0	176
07:00	07:15	2	0	1	3	0	0	8	0	9	3	0	0	148
07:15	07:30	7	0	23	5	0	5	12	0	15	13	0	0	198
07:30	07:45	3	0	8	2	0	8	14	0	14	8	0	0	199
07:45	08:00	1	0	5	2	0	10	5	0	6	4	0	0	196
08:00	08:15	2	0	5	0	0	2	3	0	10	6	0	0	198
08:15	08:30	0	0	5	4	0	4	5	0	8	9	0	0	153
08:30	08:45	5	0	3	3	0	1	5	0	7	4	0	0	124
08:45	09:00	0	0	1	1	0	1	5	0	6	4	0	0	109
TOTAL		30	0	89	35	0	40	92	0	120	75	0	0	481
AM PEAK		17	0	38	11	0	14	39	0	48	32	0	0	199

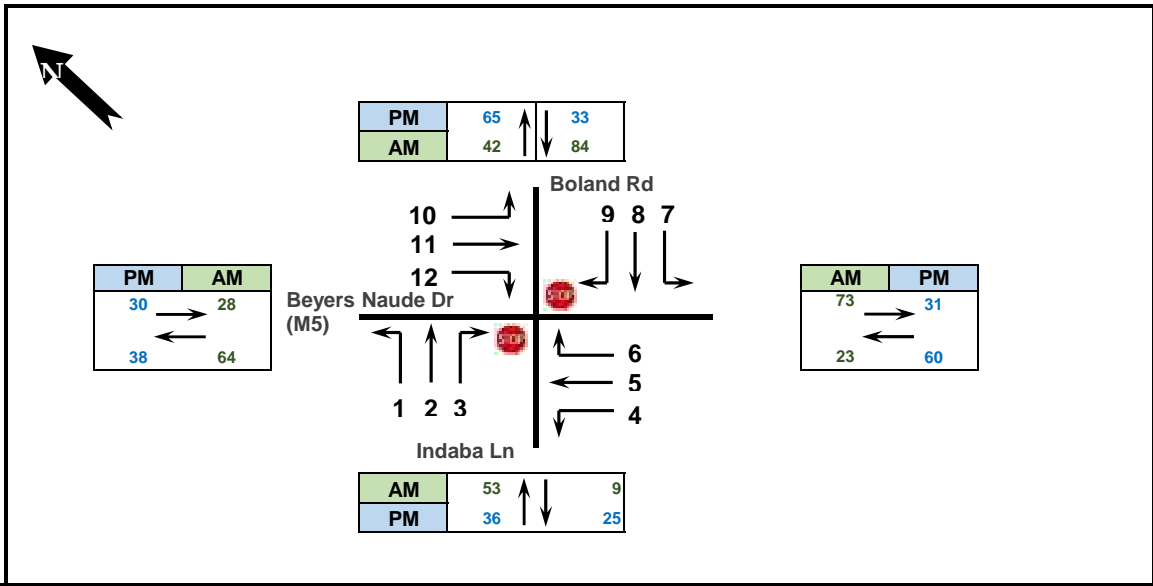
PM PERIOD

Time		South			East			North			West			Hourly
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12	
15:30	15:45	4	0	3	10	0	7	4	0	6	5	0	0	
15:45	16:00	5	0	18	9	0	7	4	0	9	9	0	0	
16:00	16:15	2	0	8	5	0	8	8	0	5	5	0	0	
16:15	16:30	4	0	2	8	0	6	3	0	4	8	0	0	176
16:30	16:45	4	0	4	8	0	5	7	0	4	1	0	0	170
16:45	17:00	3	0	0	3	0	5	5	0	6	9	0	0	140
17:00	17:15	8	0	13	12	0	7	3	0	7	9	0	0	158
17:15	17:30	2	0	6	7	0	11	2	0	3	6	0	0	160
17:30	17:45	5	0	1	6	0	14	2	0	5	6	0	0	166
17:45	18:00	0	0	3	3	0	10	3	0	7	10	0	0	171
18:00	18:15	0	0	1	1	0	0	0	0	1	1	0	0	116
18:15	18:30	0	0	0	1	0	0	0	0	0	0	0	0	80
TOTAL		37	0	59	73	0	80	41	0	57	69	0	0	416
PM PEAK		18	0	20	28	0	37	12	0	21	30	0	0	166

Project: **BEYERS NAUDE PROJECT**
 Intersection: **BEYERS NAUDE DR (M5) / INDABA LN / BOLAND RD**
 Date: **06-Nov-19**
 Day: **Wednesday**
 Location: **7**

AM PEAK: 06:45 07:45

PM PEAK: 16:45 17:45



LIGHT VEHICLES

AM PERIOD

Time		South			East			North			West			Hourly	
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12		
06:00	06:15		3		16	4		3	10		10	3			
06:15	06:30		0		8	3		2	5		8	4			
06:30	06:45		2		8	6		2	14		16	7			
06:45	07:00		5		4	1		1	5		10	6		166	
07:00	07:15		2		1	2		0	8		9	2		141	
07:15	07:30		7		23	4		5	12		14	12		188	
07:30	07:45		3		8	2		8	12		14	8		188	
07:45	08:00		1		5	2		10	5		6	4		189	
08:00	08:15		2		5	0		2	3		10	6		193	
08:15	08:30		0		5	4		4	3		8	8		148	
08:30	08:45		5		3	1		1	5		6	4		118	
08:45	09:00		0		1	1		1	5		6	3		102	
TOTAL				0	87	30	0	39	87	0	117	67	0	0	427
AM PEAK			17	0	36	9	0	14	37	0	47	28	0	0	188

PM PERIOD

Time		South			East			North			West			Hourly	
Start	End	MOV 1	MOV 2	MOV 3	MOV 4	MOV 5	MOV 6	MOV 7	MOV 8	MOV 9	MOV 10	MOV 11	MOV 12		
15:30	15:45		4		3	9		7	4		5	5			
15:45	16:00		5		17	9		7	4		9	7			
16:00	16:15		2		7	5		8	8		5	5			
16:15	16:30		4		2	8		5	3		4	8		169	
16:30	16:45		4		4	8		5	7		4	1		165	
16:45	17:00		2		0	1		4	5		6	9		134	
17:00	17:15		8		12	12		7	3		7	9		152	
17:15	17:30		2		6	6		10	2		3	6		153	
17:30	17:45		5		1	6		14	2		5	6		159	
17:45	18:00		0		3	3		10	3		7	10		168	
18:00	18:15		0		0	0		0	0		0	0		110	
18:15	18:30		0		0	0		0	0		0	0		75	
TOTAL			36	0	55	67	0	77	41	0	55	66	0	0	397
PM PEAK			17	0	19	25	0	35	12	0	21	30	0	0	159

