

King St and St David St				FILE NO _____																																																								
Morning Peak Diagram		Specified Period From: 8:40:00 To: 9:40:00	One Hour Peak From: 8:30:00 To: 9:30:00																																																									
Municipality: Lindsay Site #: 0000000001 Intersection: King St & St David St TFR File #: 1 Count date: 8-Jun-2017		Weather conditions: Clear Person(s) who counted: Andrew Rowe																																																										
** Non-Signalized Intersection **		Major Road: King St runs W/E																																																										
North Leg Total: 60 North Entering: 34 North Peds: 2 Peds Cross:	<table style="width: 100%; border-collapse: collapse;"> <tr><td>Cyclists</td><td>0</td><td>1</td><td>0</td><td>1</td></tr> <tr><td>Trucks</td><td>0</td><td>0</td><td>0</td><td>0</td></tr> <tr><td>Cars</td><td>4</td><td>25</td><td>4</td><td>33</td></tr> <tr><td>Totals</td><td>4</td><td>26</td><td>4</td><td></td></tr> </table>	Cyclists	0	1	0	1	Trucks	0	0	0	0	Cars	4	25	4	33	Totals	4	26	4			<table style="width: 100%; border-collapse: collapse;"> <tr><td>Cyclists</td><td>1</td></tr> <tr><td>Trucks</td><td>3</td></tr> <tr><td>Cars</td><td>22</td></tr> <tr><td>Totals</td><td>26</td></tr> </table>	Cyclists	1	Trucks	3	Cars	22	Totals	26	East Leg Total: 84 East Entering: 38 East Peds: 1 Peds Cross:																												
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Cars	Trucks	Cyclists	Totals																																																									
46	0	0	46																																																									

King St and St David St

Mid-day Peak Diagram

Specified Period

From: 11:00:00

To: 13:00:00

One Hour Peak

From: 11:30:00

To: 12:30:00

Municipality: Lindsay

Site #: 0000000001

Intersection: King St & St David St

TFR File #: 1

Count date: 8-Jun-2017

Weather conditions:

Clear

Person(s) who counted:

Andrew Rowe

** Non-Signalized Intersection **

Major Road: King St runs W/E

North Leg Total: 101

North Entering: 57

North Peds: 0

Peds Cross: 0

Cyclists	0	1	0	1
Trucks	0	0	0	0
Cars	10	41	5	56
Totals	10	42	5	

Cyclists 0

Trucks 0

Cars 44

Totals 44

East Leg Total: 137

East Entering: 50

East Peds: 1

Peds Cross: 1

Cyclists	Trucks	Cars	Totals
0	0	91	91



King St

Cyclists	Trucks	Cars	Totals
0	0	2	2
0	0	78	78
0	0	37	37
0	0	117	

Peds Cross: 1

West Peds: 9

West Entering: 117

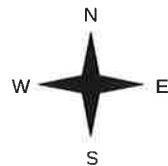
West Leg Total: 208

Cars 86

Trucks 0

Cyclists 1

Totals 87



St David St

Cars 42 39 4 85

Trucks 0 0 0 0

Cyclists 0 0 0 0

Totals 42 39 4

Cars	Trucks	Cyclists	Totals
3	0	0	3
39	0	0	39
8	0	0	8
50	0	0	

King St



Cars	Trucks	Cyclists	Totals
87	0	0	87

Peds Cross: 1

South Peds: 4

South Entering: 85

South Leg Total: 172

Comments

Cyclist label should read heavy vehicle

King St and St David St

Afternoon Peak Diagram

Specified Period

From: 15:00:00

To: 17:00:00

One Hour Peak

From: 15:30:00

To: 16:30:00

Municipality: Lindsay

Site #: 0000000001

Intersection: King St & St David St

TFR File #: 1

Count date: 8-Jun-2017

Weather conditions:

Clear

Person(s) who counted:

Andrew Rowe

** Non-Signalized Intersection **

Major Road: King St runs W/E

North Leg Total: 108

North Entering: 58

North Peds: 1

Peds Cross: 

Cyclists	0	0	0	0
Trucks	0	0	2	2
Cars	5	39	12	56
Totals	5	39	14	

Cyclists 1

Trucks 1

Cars 48

Totals 50

East Leg Total: 140

East Entering: 51

East Peds: 5

Peds Cross: 

Cyclists	Trucks	Cars	Totals
0	0	89	89

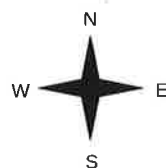


King St

Cyclists	Trucks	Cars	Totals
0	1	5	6
2	0	69	71
1	0	51	52
3	1	125	



St David St



Cars	Trucks	Cyclists	Totals
3	0	0	3
47	0	0	47
1	0	0	1
51	0	0	

King St



Cars	Trucks	Cyclists	Totals
85	2	2	89

Peds Cross: 

West Peds: 32

West Entering: 129

West Leg Total: 218

Cars 91

Trucks 0

Cyclists 1

Totals 92



Cars	37	40	4	81
Trucks	0	0	0	0
Cyclists	0	1	0	1
Totals	37	41	4	

Peds Cross: 

South Peds: 25

South Entering: 82

South Leg Total: 174

Comments

Cyclist label should read heavy vehicle

King St and St David St

Eight Hour Peak Diagram

Eight Hour Peak

From: 8:45:00

To: 16:45:00

Municipality: Lindsay

Site #: 0000000001

Intersection: King St & St David St

TFR File #: 1

Count date: 8-Jun-2017

Weather conditions:

Clear

Person(s) who counted:

Andrew Rowe

**** Non-Signalized Intersection ****

Major Road: King St runs W/E

North Leg Total: 749

North Entering: 379

North Peds: 10

Peds Cross: 

Cyclists	1	9	0	10
Trucks	0	0	2	2
Cars	38	287	42	367
Totals	39	296	44	

Cyclists 14

Trucks 6

Cars 350

Totals 370

East Leg Total: 938

East Entering: 407

East Peds: 24

Peds Cross: 

Cyclists	Trucks	Cars	Totals
16	8	685	709

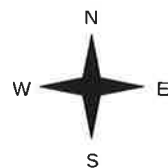


King St

Cyclists	Trucks	Cars	Totals
3	3	30	36
9	1	447	457
6	3	265	274
18	7	742	



St David St



Cars	Trucks	Cyclists	Totals
33	3	0	36
341	0	10	351
20	0	0	20
394	3	10	

King St



Cars	Trucks	Cyclists	Totals
517	3	11	531

Peds Cross: 

West Peds: 140

West Entering: 767

West Leg Total: 1476

Cars 572

Trucks 3

Cyclists 15

Totals 590



Cars 306 287 28 621

Trucks 8 0 0 8

Cyclists 5 11 2 18

Totals 319 298 30

Peds Cross: 

South Peds: 65

South Entering: 647

South Leg Total: 1237

Comments

Cyclist label should read heavy vehicle

King St and St David St

Total Count Diagram

Municipality: Lindsay
Site #: 0000000001
Intersection: King St & St David St
TFR File #: 1
Count date: 8-Jun-2017

Weather conditions:
 Clear
Person(s) who counted:
 Andrew Rowe

**** Non-Signalized Intersection ****

Major Road: King St runs W/E

North Leg Total: 754

North Entering: 380

North Peds: 11

Peds Cross:

	Cyclists	Trucks	Cars	Totals
North	1	9	0	10
East	0	0	2	2
South	38	288	42	368
West	39	297	44	

Cyclists 15

Trucks 6

Cars 353

Totals 374

East Leg Total: 951

East Entering: 413

East Peds: 25

Peds Cross:

Cyclists	Trucks	Cars	Totals
18	8	696	722

King St

King St

Cyclists	Trucks	Cars	Totals
3	3	30	36
9	1	454	464
6	3	267	276
18	7	751	

Peds Cross:

West Peds: 160

West Entering: 776

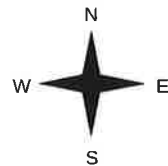
West Leg Total: 1498

Cars 575

Trucks 3

Cyclists 15

Totals 593



St David St

Cars 313

Trucks 8

Cyclists 6

Totals 327

Cars 289

Trucks 0

Cyclists 12

Totals 301

Cars 28

Trucks 0

Cyclists 2

Totals 30

Cars 630

Trucks 8

Cyclists 20

Totals 658

Cars	Trucks	Cyclists	Totals
34	3	0	37
345	0	11	356
20	0	0	20
399	3	11	

King St

Cars	Trucks	Cyclists	Totals
524	3	11	538

Peds Cross:

South Peds: 65

South Entering: 658

South Leg Total: 1251

Comments

Cyclist label should read heavy vehicle

King St and St David St Traffic Count Summary

Intersection: King St & St David St

Count Date: 8-Jun-2017

Municipality: Lindsay

North Approach Totals						North/South Total Approaches	South Approach Totals					
Hour Ending	Includes Cars, Trucks, & Cyclists				Total Peds		Hour Ending	Includes Cars, Trucks, & Cyclists				Total Peds
	Left	Thru	Right	Grand Total				Left	Thru	Right	Grand Total	
9:00:00	0	9	1	10	2	37	9:00:00	20	7	0	27	1
10:00:00	4	27	4	35	0	98	10:00:00	37	24	2	63	1
11:00:00	1	32	6	39	5	110	11:00:00	33	34	4	71	8
12:00:00	4	36	3	43	1	119	12:00:00	37	39	0	76	10
13:00:00	6	50	10	66	0	151	13:00:00	43	36	6	85	5
14:00:00	6	34	5	45	1	131	14:00:00	39	41	6	86	8
15:00:00	6	40	3	49	1	151	15:00:00	52	45	5	102	6
16:00:00	3	36	5	44	1	122	16:00:00	26	47	5	78	12
17:00:00	14	33	2	49	0	118	17:00:00	39	28	2	69	14
Totals:	44	297	39	380	11	1037		326	301	30	657	65
East Approach Totals						East/West Total Approaches	West Approach Totals					
Hour Ending	Includes Cars, Trucks, & Cyclists				Total Peds		Hour Ending	Includes Cars, Trucks, & Cyclists				Total Peds
	Left	Thru	Right	Grand Total				Left	Thru	Right	Grand Total	
9:00:00	2	16	4	22	1	54	9:00:00	2	17	13	32	9
10:00:00	1	24	4	29	0	95	10:00:00	3	38	25	66	10
11:00:00	3	35	4	42	4	110	11:00:00	5	37	26	68	8
12:00:00	8	45	4	57	2	154	12:00:00	2	66	29	97	7
13:00:00	2	43	6	51	2	156	13:00:00	4	73	28	105	6
14:00:00	0	50	4	54	1	150	14:00:00	5	57	34	96	10
15:00:00	2	70	7	79	7	183	15:00:00	7	61	36	104	26
16:00:00	2	52	1	55	7	166	16:00:00	5	61	45	111	49
17:00:00	0	21	3	24	1	121	17:00:00	3	54	40	97	30
Totals:	20	356	37	413	25	1189		36	464	276	776	155
Calculated Values for Traffic Crossing Major Street												
Hours Ending:	10:00	11:00	12:00	13:00			14:00	15:00	16:00	17:00		
Crossing Values:	78	80	89	107			97	136	132	117		

King St and St David St

Count Date: 8-Jun-2017

Intersection: King St & St David St

Municipality: Lindsay

Major Road: King St

Major Road Runs: E/W one lane each way

Operating Speed of Major Road: 50 km/hr

Operating under free flow conditions

Warrant #1: Minimum Vehicular Volumes.

A. All Approaches.

Not Satisfied

No. of Lanes	Minimum Requirements					Hours Ending								Percentage Warrant
	1 Lane Each Way	2 Lanes Each Way	3 Lanes											
Flow Condition	1 Lane F. Flow (Code 1)	1 Lane R. Flow (Code 2)	2 Lane F. Flow (Code 3)	2 Lane R. Flow (Code 4)	or More R. Flow (Code 5)	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	
100%	480	720	600	900	1125	193	220	273	307	281	334	288	239	100%
80%	385	575	480	720	900									Yes: No: X
All Approaches	100% Fulfilled													0
	80% Fulfilled													0
	Actual % if Below 80%					40	46	57	64	59	70	60	50	445
											Total:			445
											Actual Average (Total/8):			56%

B. Minor Street Both Approaches.

100%	120	170	120	170	170	98	110	119	151	131	151	122	118	100%	
80%	95	135	95	135	135									Yes:	X
Minor Street Both Approaches	100% Fulfilled								100	100	100	100		400	
	80% Fulfilled					80	80	80					80	320	
	Actual % if Below 80%													0	
											Total:			720	
											Actual Average (Total/8):			90%	

King St and St David St

Count Date: 8-Jun-2017

Intersection: King St & St David St

Municipality: Lindsay

Major Road: King St

Major Road Runs: E/W one lane each way

Operating Speed of Major Road: 50 km/hr

Operating under free flow conditions

Warrant #2: Delay to Cross Traffic.

A. Major Street Both Approaches.

Not Satisfied

No. of Lanes	Minimum Requirements					Hours Ending									Percentage Warrant
	1 Lane Each Way	2 Lanes Each Way	3 Lanes												
Flow Condition	1 Lane F. Flow (Code 1)	1 Lane R. Flow (Code 2)	2 Lane F. Flow (Code 3)	2 Lane R. Flow (Code 4)	or More R. Flow (Code 5)	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00		
100%	480	720	600	900	1125	95	110	154	156	150	183	166	121	100%	
80%	385	575	480	720	900									Yes: No: X	
All Approaches	100% Fulfilled													0	
	80% Fulfilled													0	
	Actual % if Below 80%					20	23	32	33	31	38	35	25	236	
											Total:			236	
											Actual Average (Total/8):			30%	

B. Traffic Crossing Major Street.

100%	50	75	50	75	75	78	80	89	107	97	136	132	117	100%	
80%	40	60	40	60	60									Yes: X	
															No:
All Approaches	100% Fulfilled					100	100	100	100	100	100	100	100	800	
	80% Fulfilled													0	
	Actual % if Below 80%													0	
											Total:		800		
											Actual Average (Total/8):		100%		

King St and St David St

Count Date: 8-Jun-2017

Intersection: King St & St David St

Municipality: Lindsay

Major Road: King St

Major Road Runs: E/W one lane each way

Operating Speed of Major Road: 50 km/hr

Operating under free flow conditions

Warrant #3: Accident Experience.

Not Satisfied

A. Reportable accidents within a twelve month period averaged over 36 consecutive months susceptible to correction by a traffic signal.

Minimum Requirements	Actual Number of Accidents	Average Number of Accidents	Fulfilled
5	4 in 3 years	1 per year	27%

B. Adequate trial of less restrictive remedies has failed to reduce accident frequency.

No

C. Either Warrant 1 (Minimum Vehicular Volume) or Warrant 2 (Delay to Cross Traffic) satisfied 80% or more.

No

Warrant #4: Combination Warrant. (Used if no warrant satisfied 100%)

Not Satisfied

Minimum Requirements	Warrant Satisfied 80% or More	Fulfilled
Two Warrants Satisfied 80%	Warrant 1 (Minimum Vehicular Volume) Warrant 2 (Delay to Cross Traffic) Warrant 3 (Accident Experience)	No No No

Conclusion: Traffic signal not warranted.