

## **Chapter 13 MATERIAL ASSETS – TRAFFIC**

- **Appendix 13.5 PM Materials Compound Traffic Calculations**



# Development Junction

PM Peak Hour (15:00-16:00)

Surveyed Car Traffic 2013

Seasonal Adjustment Factor = 1.2

Route	A	B	C
A	0	0	37
B	0	0	0
C	49	0	0

Baseflow Car Traffic 2015

Growth Factor = 1.04

Route	A	B	C
A	0	0	39
B	0	0	0
C	51	0	0

Surveyed HGV Traffic 2013

Seasonal Adjustment Factor = 1.2

Route	A	B	C
A	0	0	0
B	0	0	0
C	0	0	0

Baseflow HGV Traffic 2015

Growth Factor = 1.04

Route	A	B	C
A	0	0	0
B	0	0	0
C	0	0	0

Surveyed Traffic 2013

Seasonal Adjustment Factor = 1.2

Route	A	B	C
A	0	0	37
B	0	0	0
C	49	0	0

Baseflow Traffic 2015

Route	A	B	C
A	0	0	39
B	0	0	0
C	51	0	0

Surveyed Traffic 2013

% HGVs

Route	A	B	C
A	#DIV/0!	#DIV/0!	0
B	#DIV/0!	#DIV/0!	#DIV/0!
C	0	#DIV/0!	0

Baseflow Traffic 2015

% HGVs

Route	A	B	C
A	#DIV/0!	#DIV/0!	0
B	#DIV/0!	#DIV/0!	#DIV/0!
C	0	#DIV/0!	0

# Development Junction

PM Peak Hour (15:00-16:00)

Arm A - R4700 North  
 Arm B - Access  
 Arm C - R7400 South

Baseflow + Generated Car Traffic 2015

Route	A	B	C
A	0	7	39
B	7	0	0
C	51	0	0

Baseflow + Generated HGV Traffic 2015

Route	A	B	C
A	0	40	0
B	40	0	0
C	0	0	0

Baseflow + Generated Traffic 2015

Route	A	B	C
A	0	47	39
B	47	0	0
C	51	0	0

Baseflow + Generated Traffic 2015  
 % HGVs

Route	A	B	C
A		85.1	0.0
B	85.1	#DIV/0!	
C	0.0	#DIV/0!	

## N2 / Link Road Junction

PM Peak Hour (16:00-17:00)

Surveyed Car Traffic 2013

Seasonal Adjustment Factor = 1.2

Route	A	B	C
A		9.6	331.2
B	4.8		7.2
C	265.2	7.2	

Baseflow Car Traffic 2015

Growth Factor = 1.04

Route	A	B	C
A		10	344
B	5		7
C	276	7	

Surveyed HGV Traffic 2013

Seasonal Adjustment Factor = 1.2

Route	A	B	C
A		0	33.6
B	0		0
C	20.4	0	

Baseflow HGV Traffic 2015

Growth Factor = 1.04

Route	A	B	C
A		0	35
B	0		0
C	21	0	

Surveyed Traffic 2013

Seasonal Adjustment Factor = 1.2

Route	A	B	C
A	0	9.6	364.8
B	4.8	0	7.2
C	285.6	7.2	0

Baseflow Traffic 2015

Route	A	B	C
A		10	379
B	5		7
C	297	7	

Surveyed Traffic 2013

% HGVs

Route	A	B	C
A		0	9.2
B	0		0
C	7.1	0	

Baseflow Traffic 2015

% HGVs

Route	A	B	C
A		0	9.2
B	0		0
C	7.1	0	

## N2 / Link Road Junction

PM Peak Hour (16:00-17:00)

Arm A - N2 South  
 Arm B - Link Road  
 Arm C - N2 North

Baseflow + Generated Car Traffic 2015

Route	A	B	C
A	0	14	344
B	9	0	11
C	276	11	0

Baseflow + Generated HGV Traffic 2015

Route	A	B	C
A	0	23	35
B	23	0	23
C	21	23	0

Baseflow + Generated Traffic 2015

Route	A	B	C
A	0	37	379
B	32	0	34
C	297	34	0

Baseflow + Generated Traffic 2015  
 % HGVs

Route	A	B	C
A		62.8	9.2
B	72.3		67.3
C	7.1	67.3	

# L4700 / Link Road Junction

PM Peak Hour (17:00-18:00)

Surveyed Car Traffic 2013  
Seasonal Adjustment Factor = 1.2

Route	A	B	C
A			4.8
B	7.2		
C	34.8	7.2	

Baseflow Car Traffic 2015  
Growth Factor = 1.04

Route	A	B	C
A			5
B	7		
C	36	7	

Surveyed HGV Traffic 2013  
Seasonal Adjustment Factor = 1.2

Route	A	B	C
A			0
B	0		0
C			0

Baseflow HGV Traffic 2015  
Growth Factor = 1.04

Route	A	B	C
A			0
B	0		0
C	0	0	

Surveyed Traffic 2013  
Seasonal Adjustment Factor = 1.2

Route	A	B	C
A	0		4.8
B	7.2		0
C	34.8	7.2	0

Baseflow Traffic 2015

Route	A	B	C
A			5
B	7		
C	36	7	

Surveyed Traffic 2013  
% HGVs

Route	A	B	C
A			0
B	0		0
C	0	0	

Baseflow Traffic 2015  
% HGVs

Route	A	B	C
A			0
B	0		0
C	0	0	

# L4700 / Link Road Junction

PM Peak Hour (17:00-18:00)

Arm A - L4700 North  
 Arm B - Link Road  
 Arm C - L4700 South

Baseflow + Generated Car Traffic 2015

Route	A	B	C
A	0	5	26
B	7	0	17
C	36	14	0



Baseflow + Generated HGV Traffic 2015

Route	A	B	C
A	0	0	0
B	0	0	40
C	0	40	0



Baseflow + Generated Traffic 2015

Route	A	B	C
A	0	5	26
B	7	0	57
C	36	54	0



Baseflow + Generated Traffic 2015  
 % HGVs

Route	A	B	C
A	0.0	0.0	0.0
B	0.0	0.0	70.7
C	0.0	73.8	0.0