Chapter 13 MATERIAL ASSETS – TRAFFIC

• Appendix 13.4 AM Materials Compound Traffic Calculations



Development Junction

AM Peak Hour (9:00-10:00)

Surveyed Car Traffic 2013

Seasonai	1.2			
Route	Α	В	С	
Α			0	28.8
В	0			0
\sim	20.6		Λ	

Baseflow Car Traffic 2015
Growth Factor =

Growth Fa	ctor =		1.04	
Route	Α	В	С	
Α			0	30
В	0			0
С	41		0	

Surveyed HGV Traffic 2013 Seasonal Adjustment Factor =

Seasona	l Adjustr	nent Fa	ctor =		1.2
Route	Α	В		С	
Α			0		
В		0			0
С			0		

Baseflow HGV Traffic 2015
Growth Factor =

Growth Factor =			1.04			
Route	Α		В	· · · · · · · · · · · · · · · · · · ·	С	
Α				0		C
В		0				(
С		0		0		

Surveyed Traffic 2013 Seasonal Adjustment Factor =

Seasonal	1.2				
Route	Α	В		С	
Α			0		28.8
В	C				0
	20.6		Λ		

Baseflow Traffic 2015

Route	Α	В	С	
A			0	30
В	0			0
С	41		0	

Surveyed Traffic 2013

% HGVs

Route	Α	В	С
Α		#DIV/0!	0
В	#DIV/0!		#DIV/0!
С	0	#DIV/0!	

Baseflow Traffic 2015

% HGVs

Route	Α	В	С
Α		#DIV/0!	0
B C	#DIV/0!		#DIV/0!
С	0	#DIV/0!	

Development Junction AM Peak Hour (9:00-10:00)

Baseflow + Generated Car Traffic 2015

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

Route	Α	В		С
Α	C)	7	30
В	7	7	0	0
С	41		0	0

Baseflow + Generated HGV Traffic 2015

				_	
Route	Α	В		С	
Α		0	40		0
В		40	0		0
С		0	0		0

Baseflow + Generatd Traffic 2015

Route	Α	В	С	
A			47	30
В	47	_		0
С	41		0	

Baseflow + Generated Traffic 2015 % HGVs

Route	Α		В	С
Α		\	85.1	0.0
В		85.1		#DIV/0!
С		0.0	#DIV/0!	

N2 / Link Road Junction

AM Peak Hour (8:00-9:00)

Surveyed Car Traffic 2013
Seasonal Adjustment Factor

Seasonai Aujustinent Factor =						1.2
Route	Α		В		С	
Α				2.4		159.6
В		9.6				7.2
С		234		4.8		

Baseflow Car Traffic 2015 Growth Factor =

Growth Fa	ctor =	1.04	
Route	Α	В	С
Α		2	166
В	10		7
С	243	5	

Surveyed HGV Traffic 2013

Seasona	ıl Adjustm	ent Factor =	=	1.2
Route	Α	В	С	
			_	

Route	Α	В	С
Α		0	20.4
В	0		0
С	19.2	0	

Baseflow HGV Traffic 2015

Growth Factor =

Route В 0 20

1.04

Surveyed Traffic 2013

Cassanal Adiustment Faster	10
Seasonal Adjustment Factor =	1.2

Route	Α	В	С
Α	0	2.4	180
В	9.6	0	7.2
С	253.2	4.8	0

Baseflow Traffic 2015

Route	Α	В	С	
A			2	187
В	10			7
С	263		5	

Surveyed Traffic 2013 % HGVs

70			
Route	Α	В	C
Α		0	11.3
В	0		0
С	7.6	0	

Baseflow Traffic 2015

% HGVs

Route	Α		В		С	
Α	'			0		11.2
В		0				0
С		7.6		0		

N2 / Link Road Junction

AM Peak Hour (8:00-9:00)

Baseflow + Generated Car Traffic 2015

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

Route	Α	В	С
Α	0	6	166
В	14	0	11
С	243	9	0

Baseflow + Generated HGV Traffic 2015

Route	A	В	C
Α	0	23	21
В	23	0	23
С	20	23	0

Baseflow + Generatd Traffic 2015

Route	Α	В		С	
A			29)	187
В	37				34
С	263		32	2	

Baseflow + Generated Traffic 2015 % HGVs

Route	Α		В		С	
Α		\		78.2		11.2
В		62.8				67.3
С		7.6		72.3		

L4700 / Link Road Junction

AM Peak Hour (8:00-9:00)

Surveyed Car Traffic 2013

Seasonal Adjustment Factor =			
Route	Α	В	С
Α		7.2	18
В	3.6		3.6
\sim	26.4	0.6	

Baseflow Car Traffic 2015
Growth Factor –

Growth Fa	ctor =	1.04	
Route	Α	В	С
Α		7	19
В	4		4
С	27	10	

Surveyed HGV Traffic 2013

Seasona	l Adjustn	djustment Factor =			
Route	Α	В		С	
A			0		
В		0			0
C			0		

Baseflow HGV Traffic 2015
Growth Factor =

Growth Factor =				1.04			
Route	Α	А В		С			
A				0			0
В		0					0
С		0		0			

Surveyed Traffic 2013

,	Adjustment	djustment Factor =				
Route	A	В	С			
Α		0	7.2	18		
В	3.0	ô	0	3.6		

26.4

Baseflow	

Route	Α		В		С	
Α			7	7	7	19
В		4				4
С		27		1	0	

Surveyed Traffic 2013

% HGVs

Route	Α		В		С	
Α				0		0
В		0				0
С		0		0		

Baseflow Traffic 2015

% HGVs

Route	Α		В		С	
Α				0		0
В		0				0
С		0		0		

L4700 / Link Road Junction

AM Peak Hour (8:00-9:00)

Baseflow + Generated Car Traffic 2015

Arm A - L4/00 North
Arm B - Link Road
Arm C - L4700 South

Route	Α	В		С
Α	C)	7	19
В	4		0	11
С	27	,	17	C

Baseflow + Generated HGV Traffic 2015

Route	Α		В		С	
Α		0		0		0
В		0		0		40
С		0		40		0

Baseflow + Generatd Traffic 2015

Route	Α	В	С	
A			7	19
В	4			51
С	27		57	

Baseflow + Generated Traffic 2015 % HGVs

Route	Α		В		С	
A				0.0		0.0
В		0.0				79.1
С		0.0		70.7		