

Appendix H

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**NRTF/TEMPRO Traffic  
Growth Calculations**



**DERIVATION OF GROWTH FACTORS**

**North Oxfordshire 2004 to 2006**

**TEMPRO Trip End Totals by Time Period by TEMPRO zone**

	AM				PM		
	Origin	Destination	Total		Origin	Destination	Total
2004 Cherwell Rural	13516	11232	<b>24748</b>		13139	14996	<b>28135</b>
Bicester	10730	8303	<b>19033</b>		9812	11758	<b>21570</b>
<b>Total</b>			<b>43781</b>	<i>a</i>			<b>49705</b>
2006 Cherwell Rural	14021	11567	<b>25588</b>		13536	15523	<b>29059</b>
Bicester	11123	8558	<b>19681</b>		10117	12169	<b>22286</b>
<b>Total</b>			<b>45269</b>	<i>b</i>			<b>51345</b>

**TEMPRO Trip End Totals for Average Day for GB**

	Origin	Destination	Total	
2004 GB	69034029	69034029	<b>138068058</b>	<i>d</i>
2006 GB	70502673	70502673	<b>141005346</b>	<i>e</i>

**Growth Factors from 2005 by Time Period**

	AM	PM	
2006	1.0340	1.0330	<i>b/a</i>

**Growth Factors from 2005 for Average Day**

2006	1.0213	<i>e/d</i>
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**NRTF 97 Factor for Total Traffic from 2005(%)**

2006	Central	1.0341	<i>g</i>
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**Locally Adjusted NRTF factors for AM and PM peak periods**

		Central	
	AM	PM	
2006	<b>1.047</b>	<b>1.046</b>	<i>g*(b/a)/(e/d)</i>

**Note:**

These calculations are based on paragraphs 5.6 to 5.7 of the TEMPRO Guidance Note

These calculations assume that the roads to which these factors are applied primarily serve the Cherwell Rural and Bicester areas.

**DERIVATION OF GROWTH FACTORS**

**North Oxfordshire 2006 to 2013**

**TEMPRO Trip End Totals by Time Period by TEMPRO zone**

	AM				PM		
	Origin	Destination	Total		Origin	Destination	Total
2006 Cherwell Rural	14021	11567	<b>25588</b>		13536	15523	<b>29059</b>
Bicester	11123	8558	<b>19681</b>		10117	12169	<b>22286</b>
<b>Total</b>			<b>45269</b>	<i>a</i>			<b>51345</b>
2013 Cherwell Rural	15302	12423	<b>27725</b>		14581	16905	<b>31486</b>
Bicester	12223	9220	<b>21443</b>		10947	13348	<b>24295</b>
<b>Total</b>			<b>49168</b>	<i>b</i>			<b>55781</b>

**TEMPRO Trip End Totals for Average Day for GB**

	Origin	Destination	Total	
2006 GB	70502673	70502673	<b>141005346</b>	<i>d</i>
2013 GB	75458691	75458691	<b>150917382</b>	<i>e</i>

**Growth Factors from 2006 by Time Period**

	AM	PM	
2013	1.0861	1.0864	<i>b/a</i>

**Growth Factors from 2006 for Average Day**

2013	1.0703	<i>e/d</i>
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**NRTF 97 Factor for Total Traffic from 2006(%)**

2013	Central	1.111	<i>g</i>
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**Locally Adjusted NRTF factors for AM and PM peak periods**

		Central	
	AM	PM	
2013	<b>1.127</b>	<b>1.128</b>	<i>g*(b/a)/(e/d)</i>

**Note:**

These calculations are based on paragraphs 5.6 to 5.7 of the TEMPRO Guidance Note  
 These calculations assume that the roads to which these factors are applied primarily serve the Cherwell Rural and Bicester areas.

**DERIVATION OF GROWTH FACTORS**

**North Oxfordshire 2006 to 2028**

**TEMPRO Trip End Totals by Time Period by TEMPRO zone**

	AM				PM		
	Origin	Destination	Total		Origin	Destination	Total
2006 Cherwell Rural	14021	11567	<b>25588</b>		13536	15523	<b>29059</b>
Bicester	11123	8558	<b>19681</b>		10117	12169	<b>22286</b>
<b>Total</b>			<b>45269</b>	<i>a</i>			<b>51345</b>
2028 Cherwell Rural	16813	13335	<b>30148</b>		15838	18660	<b>34498</b>
Bicester	13450	9928	<b>23378</b>		11926	14751	<b>26677</b>
<b>Total</b>			<b>53526</b>	<i>b</i>			<b>61175</b>

**TEMPRO Trip End Totals for Average Day for GB**

	Origin	Destination	Total	
2006 GB	70502673	70502673	<b>141005346</b>	<i>d</i>
2028 GB	75458691	75458691	<b>150917382</b>	<i>e</i>

**Growth Factors from 2006 by Time Period**

	AM	PM	
2028	1.1824	1.1914	<i>b/a</i>

**Growth Factors from 2006 for Average Day**

2028	1.0703	<i>e/d</i>
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**NRTF 97 Factor for Total Traffic from 2006(%)**

2028	Central	1.111	<i>g</i>
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**Locally Adjusted NRTF factors for AM and PM peak periods**

		Central	
	AM	PM	
2028	<b>1.227</b>	<b>1.237</b>	<i>g*(b/a)/(e/d)</i>

**Note:**

These calculations are based on paragraphs 5.6 to 5.7 of the TEMPRO Guidance Note  
 These calculations assume that the roads to which these factors are applied primarily serve the Cherwell Rural and Bicester areas.