

# **Appendix A**

## **Visum Model Outputs**

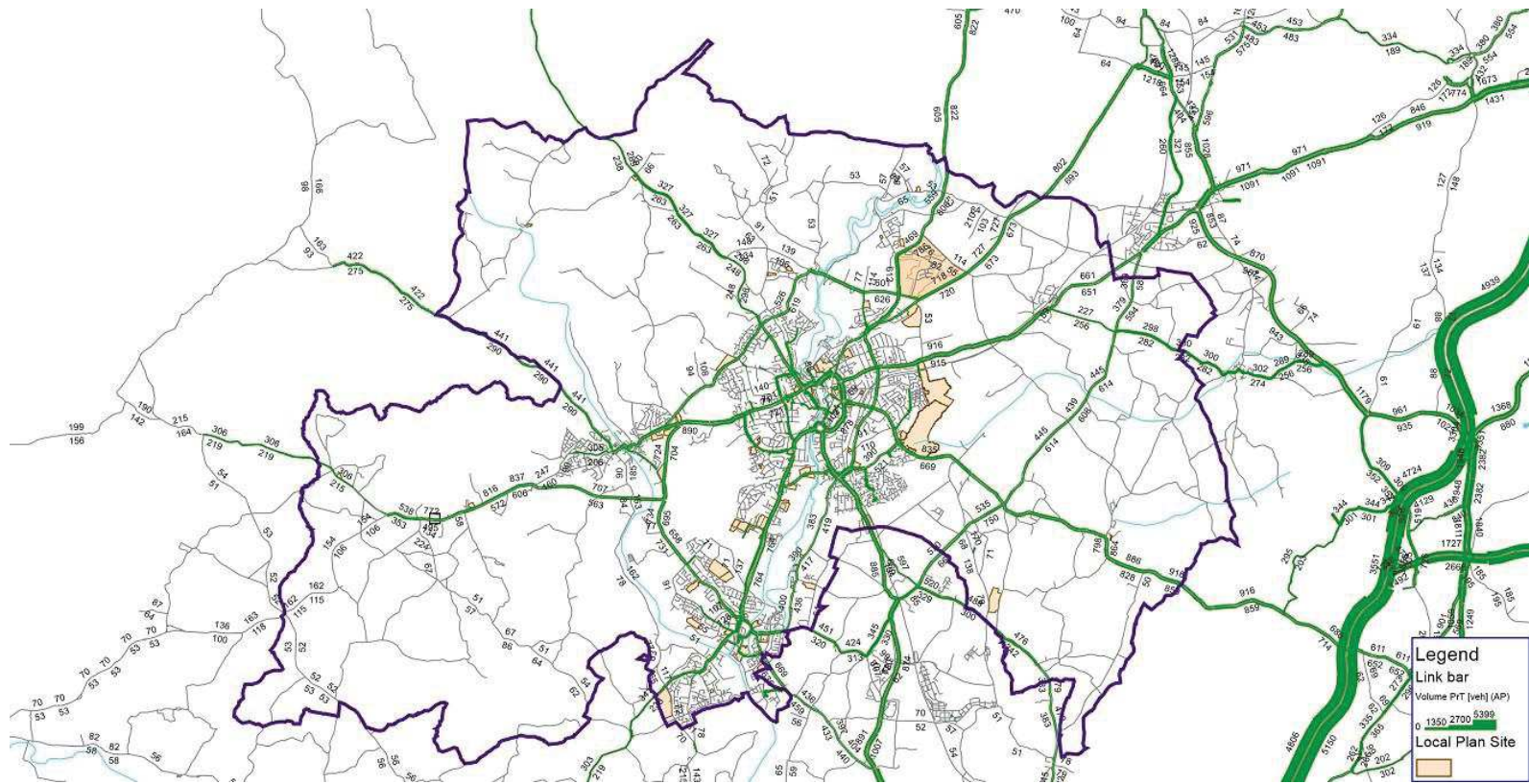


Figure 1: Link Flows 2036 AM

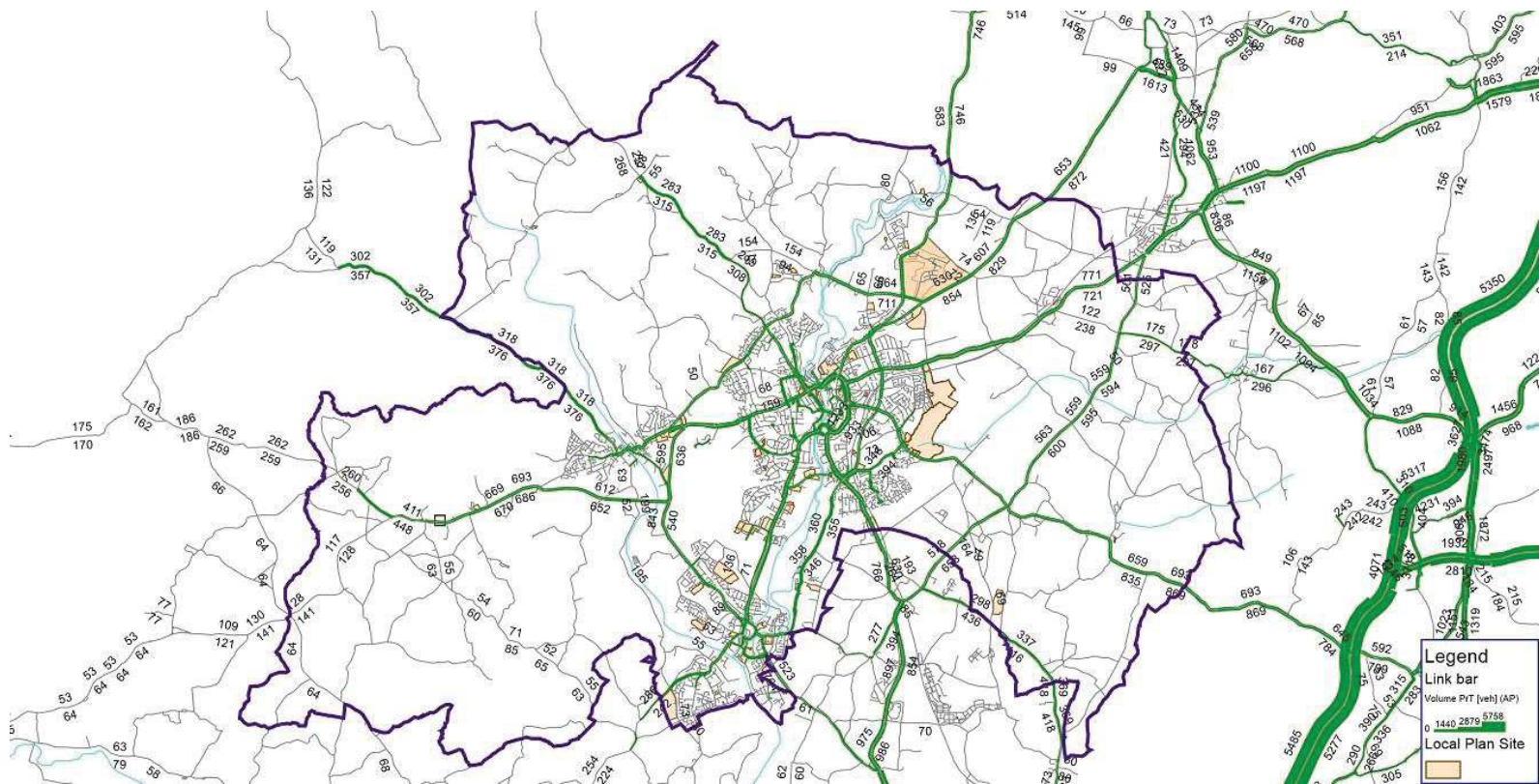


Figure 2: Link Flows 2036 PM



Figure 3: Link Flows Kidderminster 2036 AM



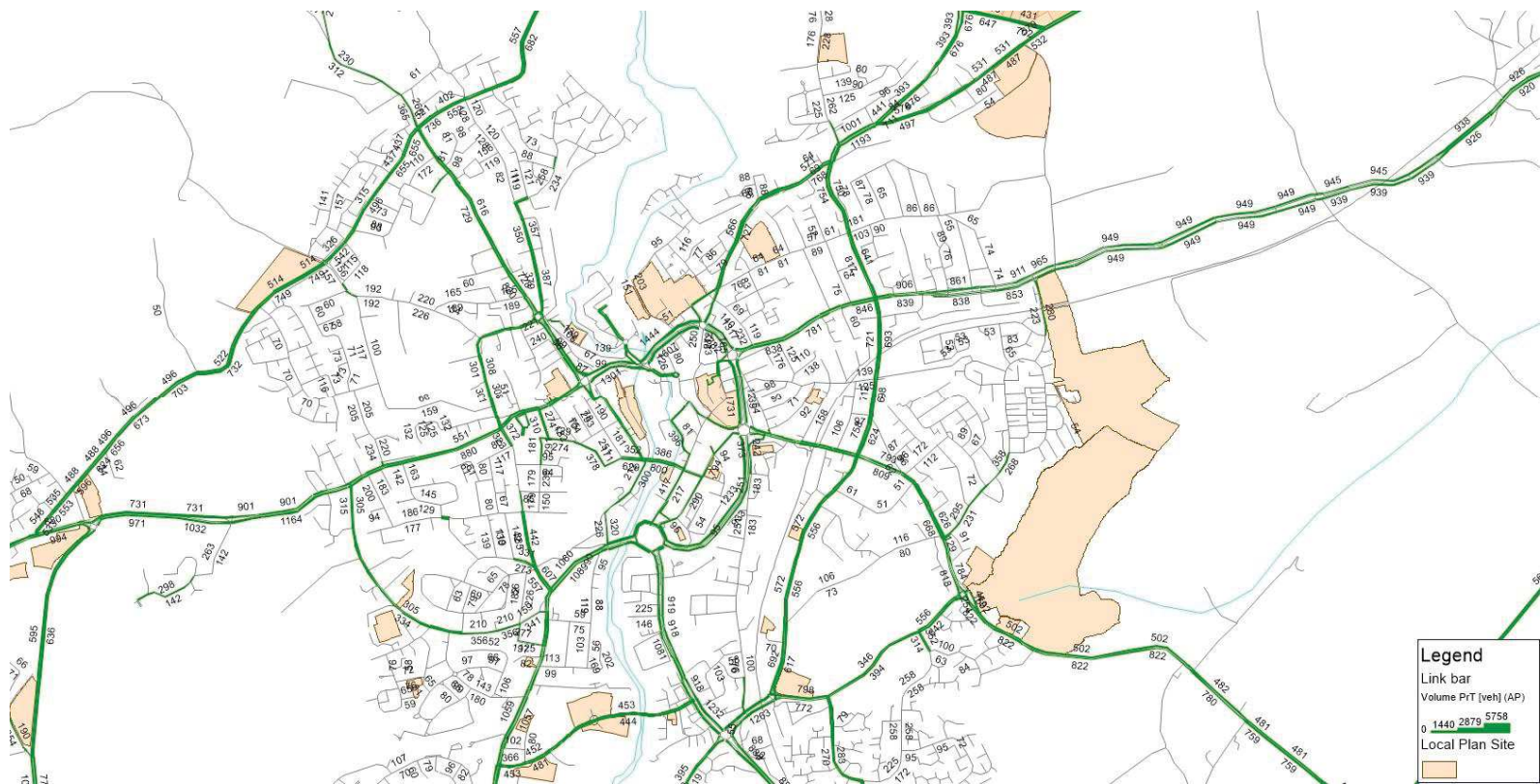


Figure 4: Link Flows Kidderminster 2036 PM



Figure 5: Link Flows Stourport-on-Severn 2036 AM

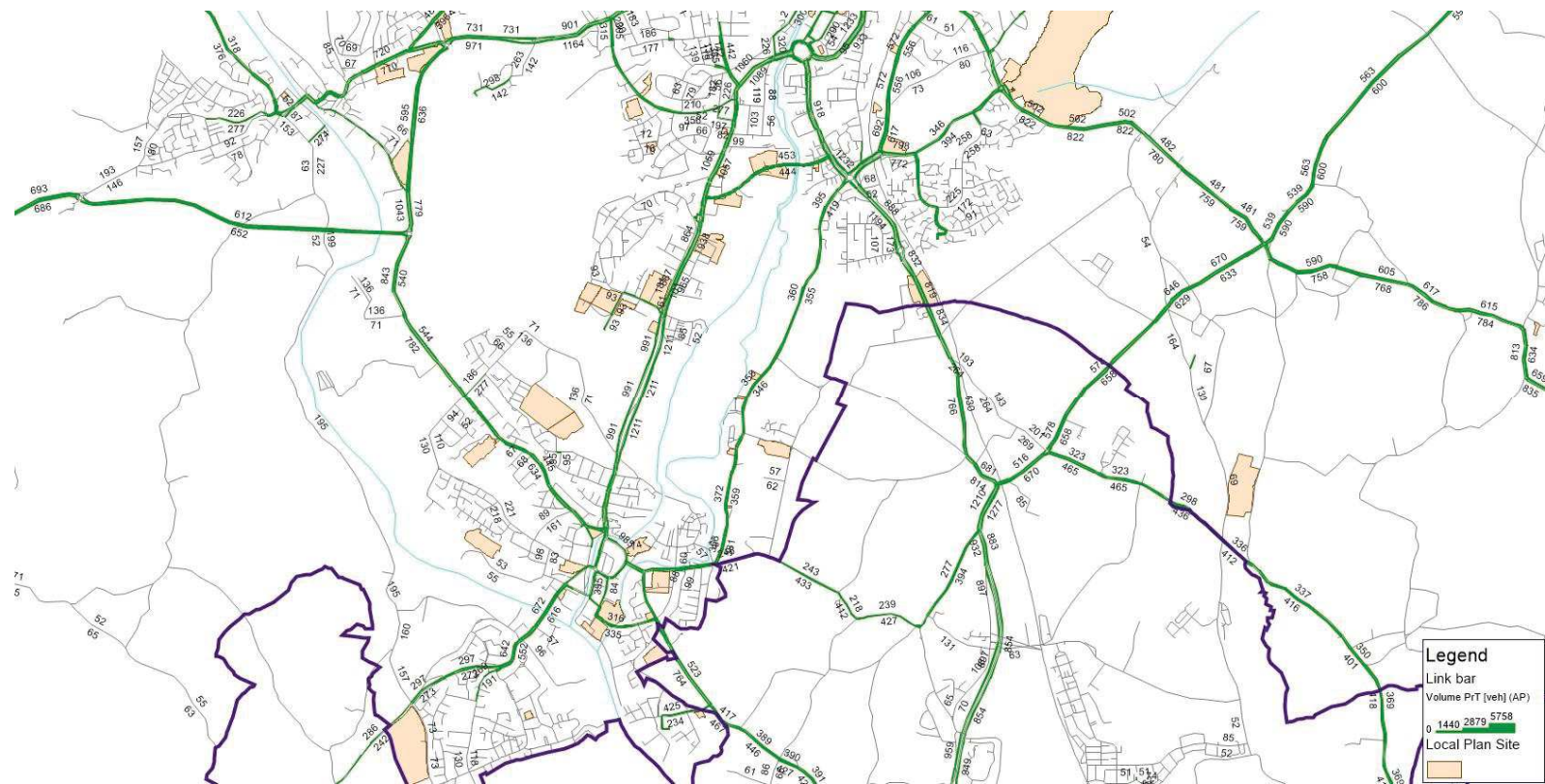


Figure 6: Link Flows Stourport-on-Severn 2036 PM



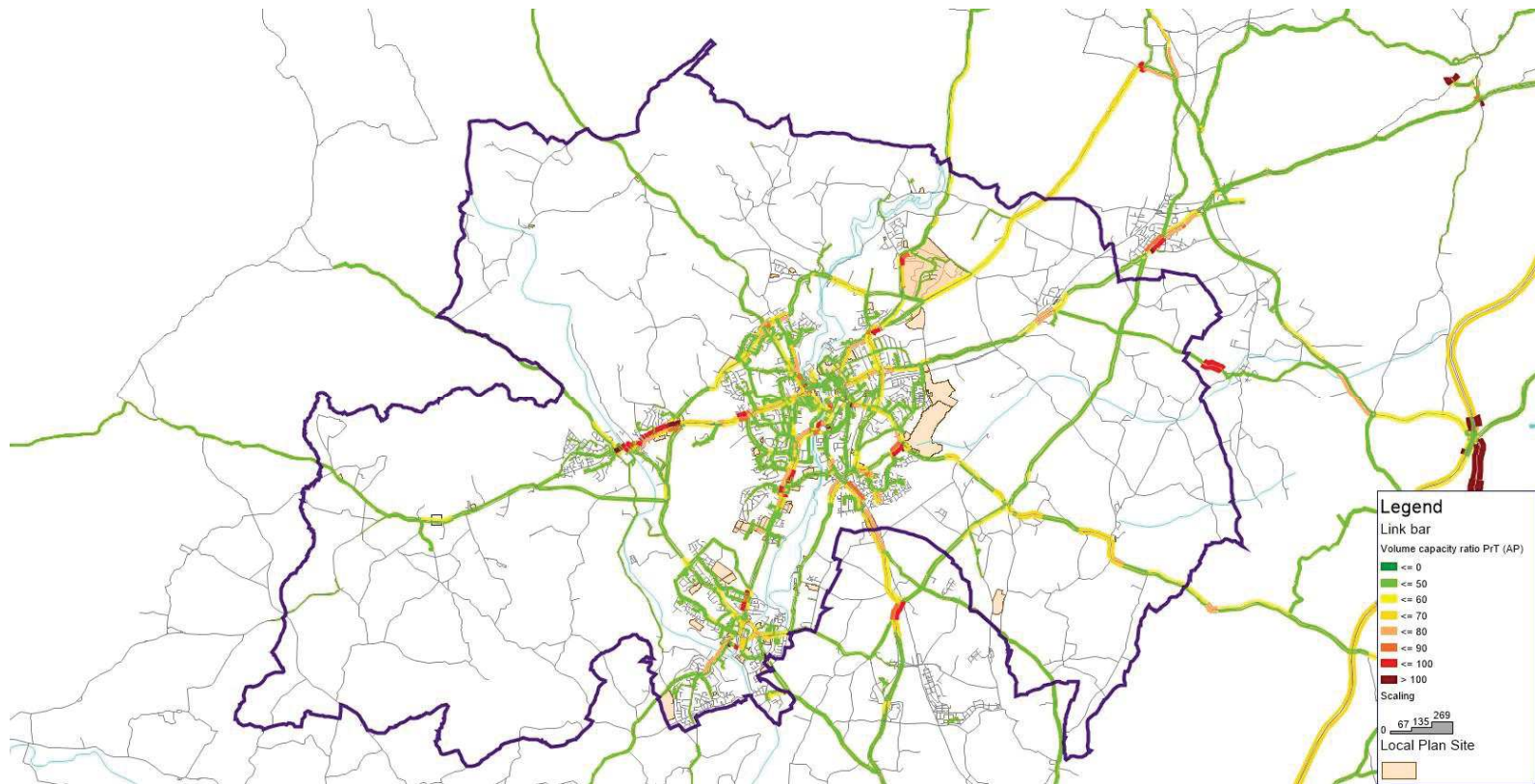


Figure 7: Volume Capacity Ratio 2036 AM



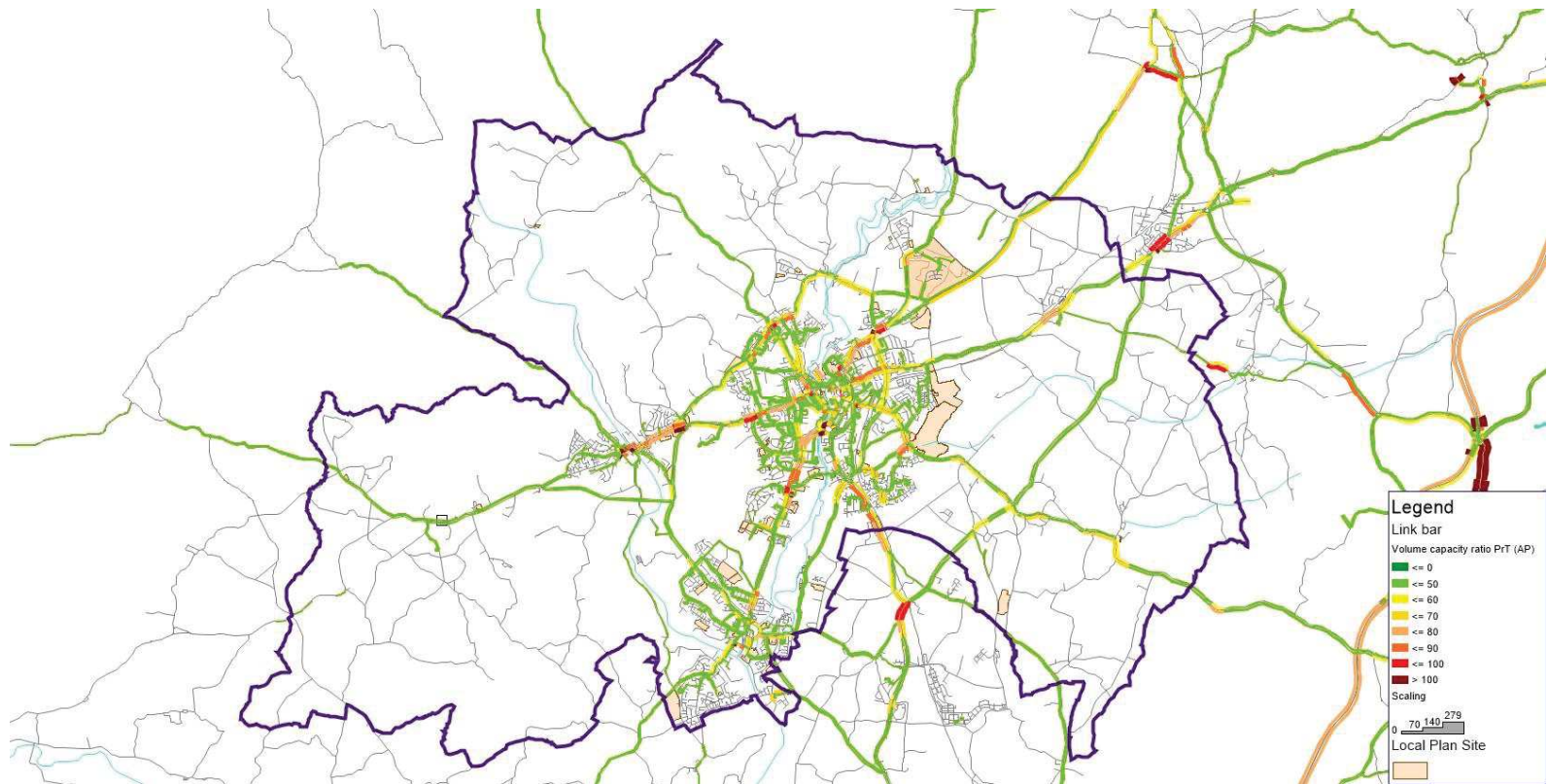


Figure 8: Volume Capacity Ratio 2036 PM



Figure 9: Volume Capacity Ratio Kidderminster 2036 AM



Figure 10: Volume Capacity Ratio Kidderminster 2036 PM



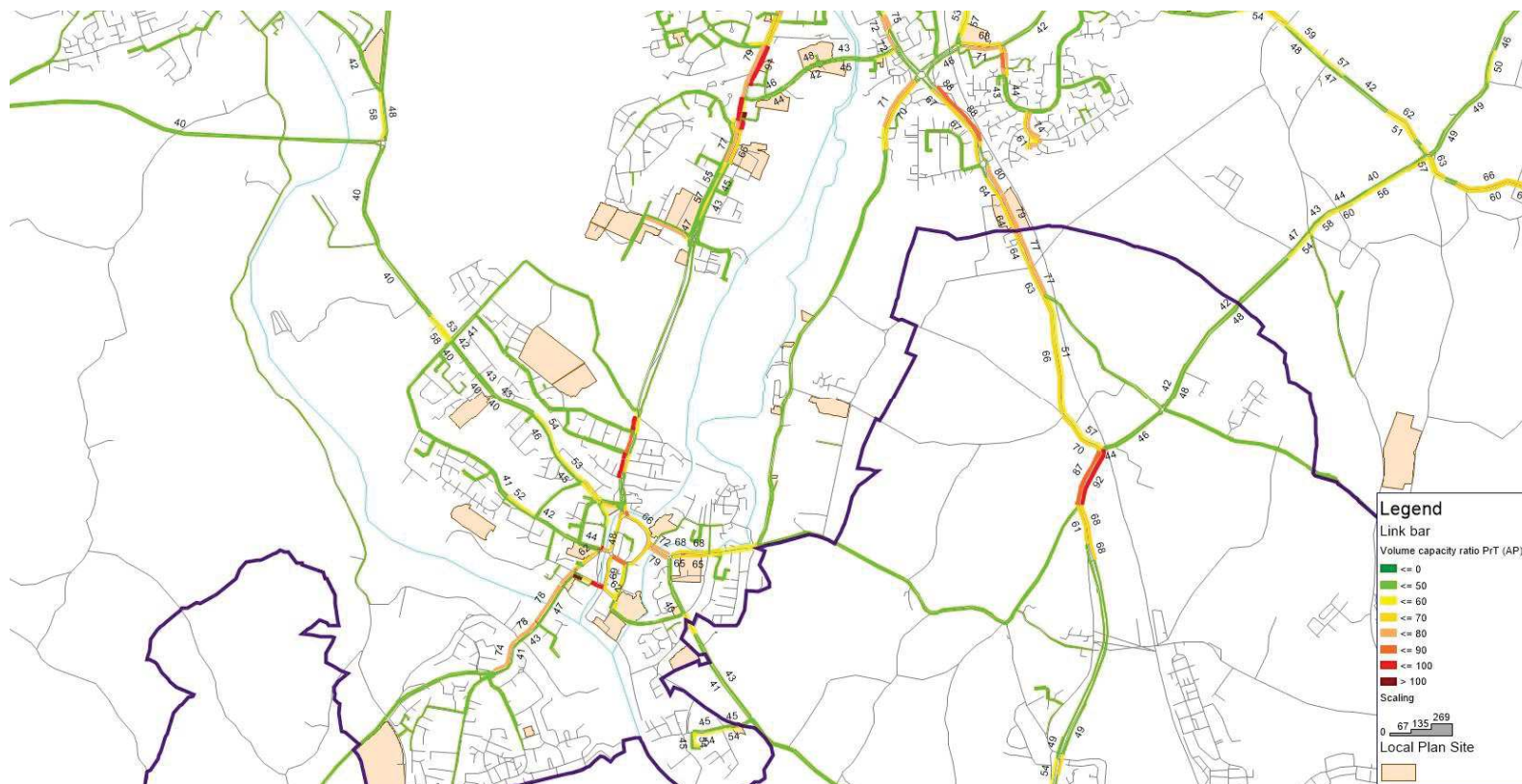


Figure 11: Volume Capacity Ratio Stourport-on-Severn 2036 AM



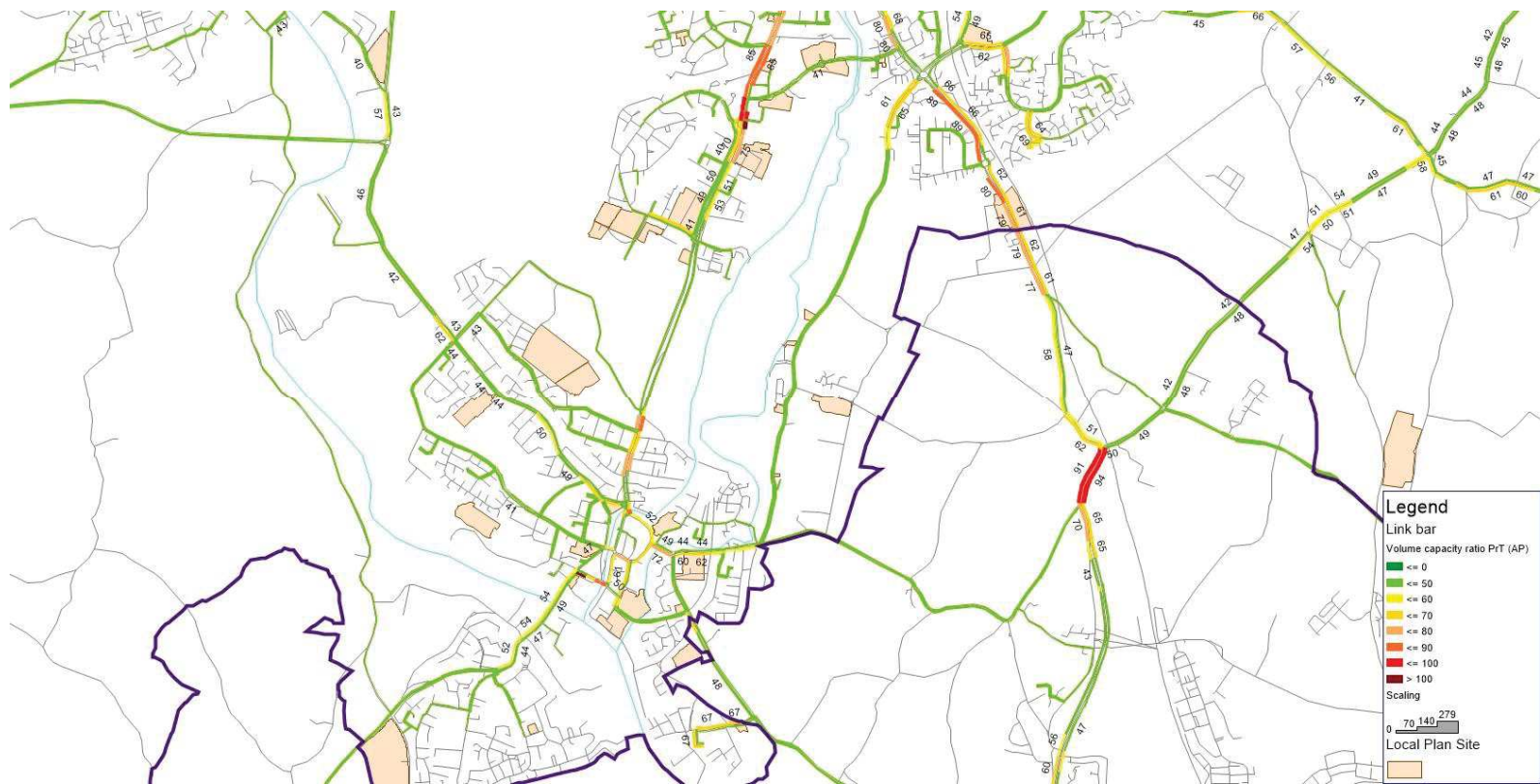


Figure 12: Volume Capacity Ratio Stourport-on-Severn 2036 PM

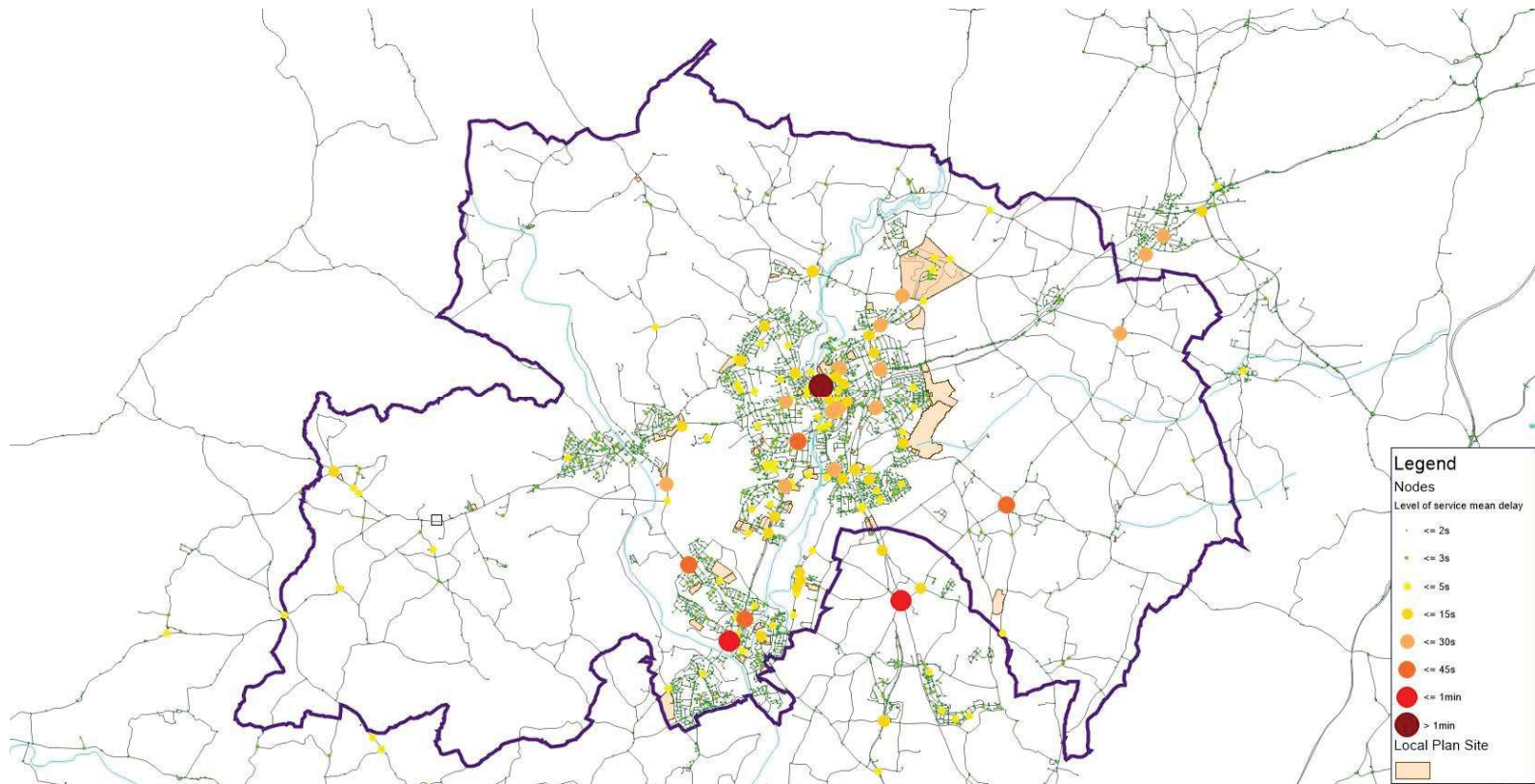


Figure 13: Mean Delays 2036 AM

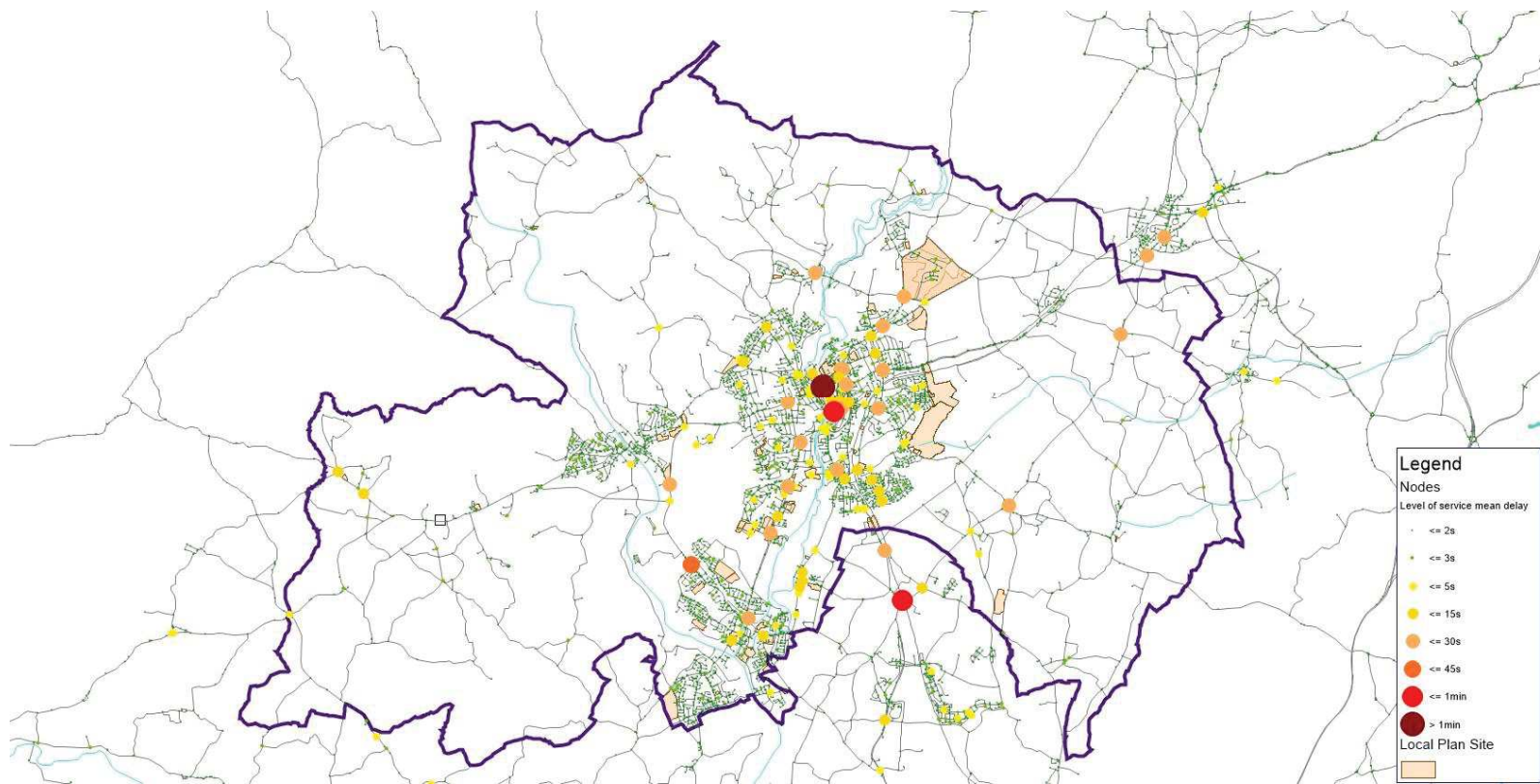


Figure 14: Mean Delays 2036 PM



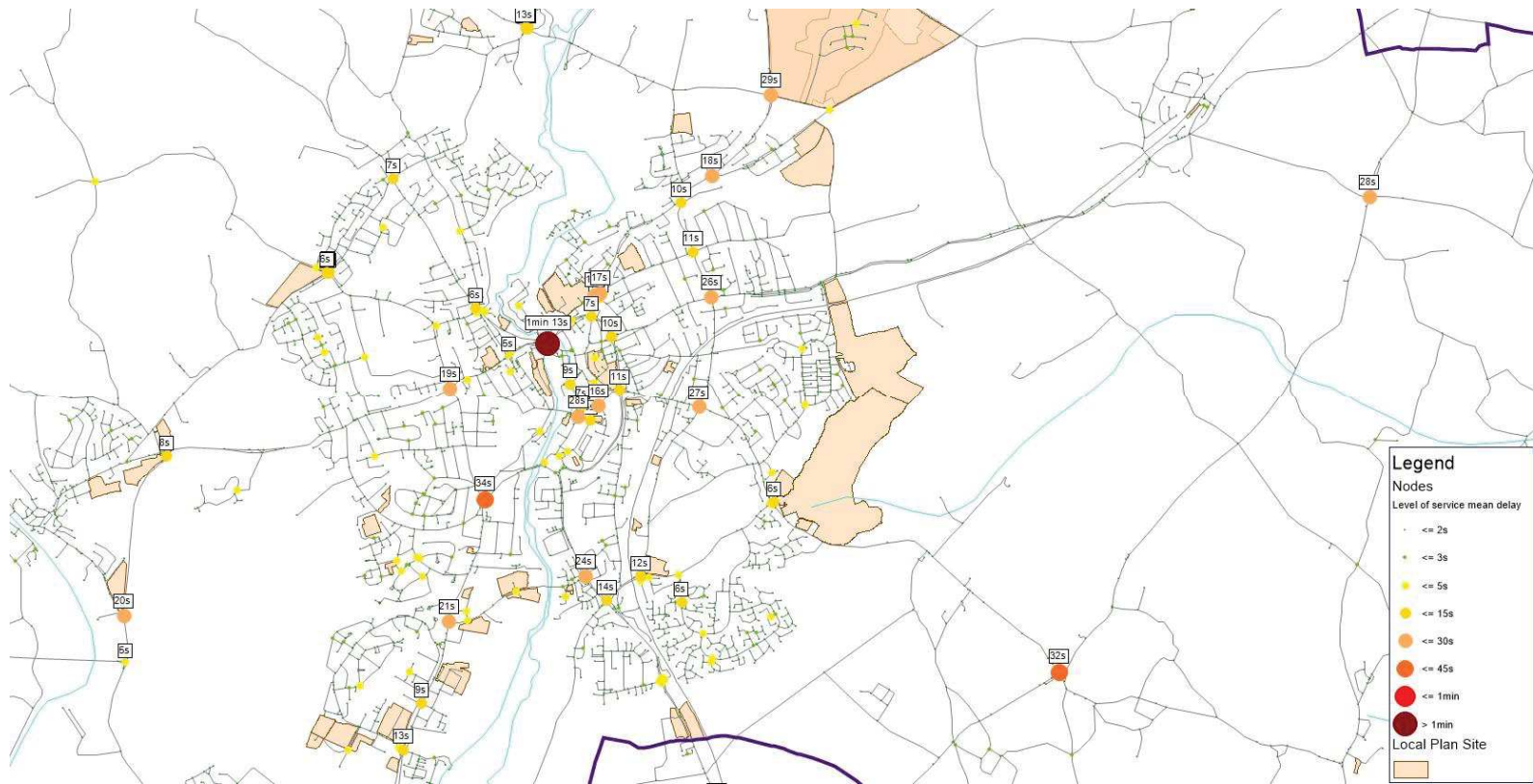


Figure 15: Mean Delays Kidderminster 2036 AM



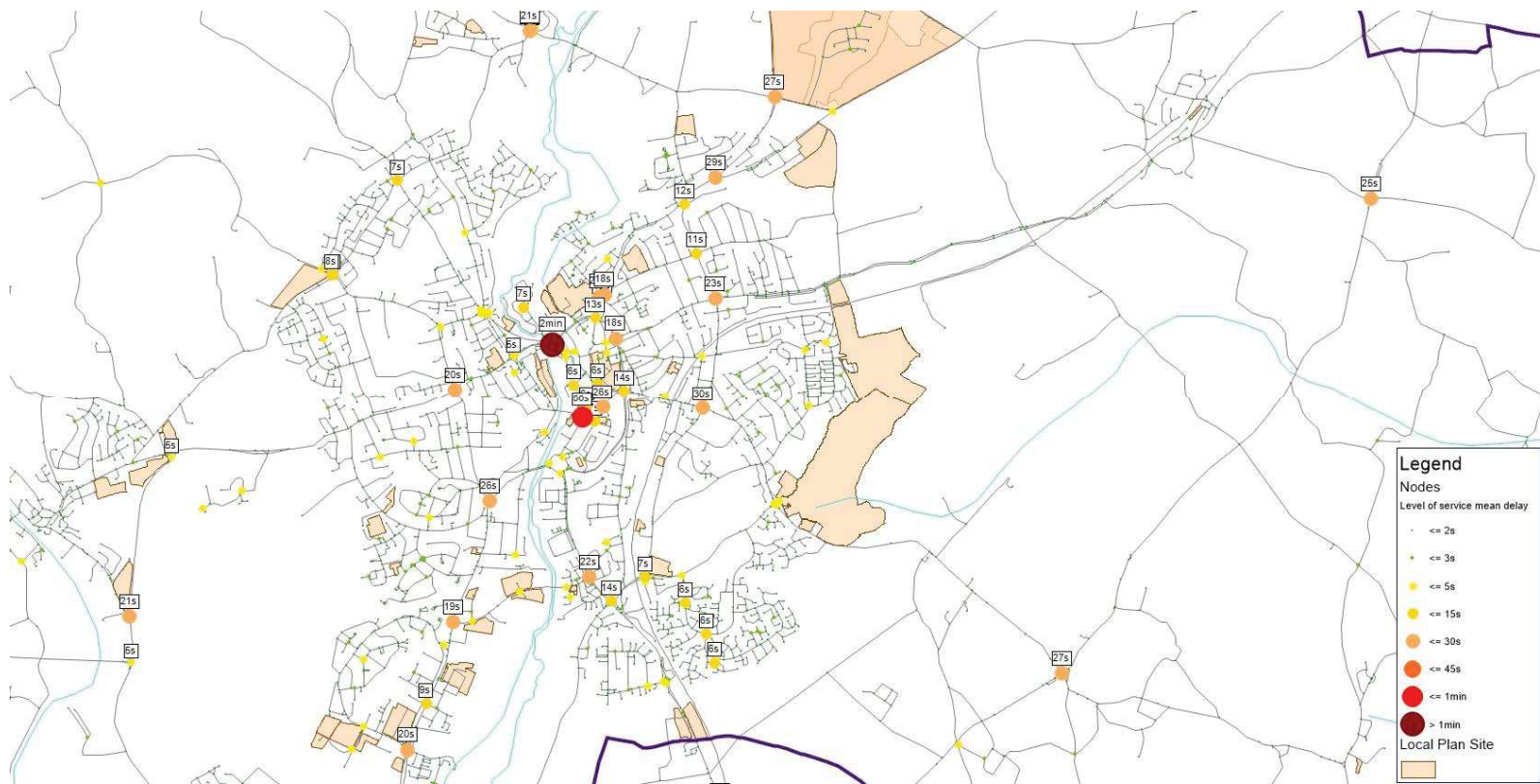


Figure 16: Mean Delays Kidderminster 2036 PM

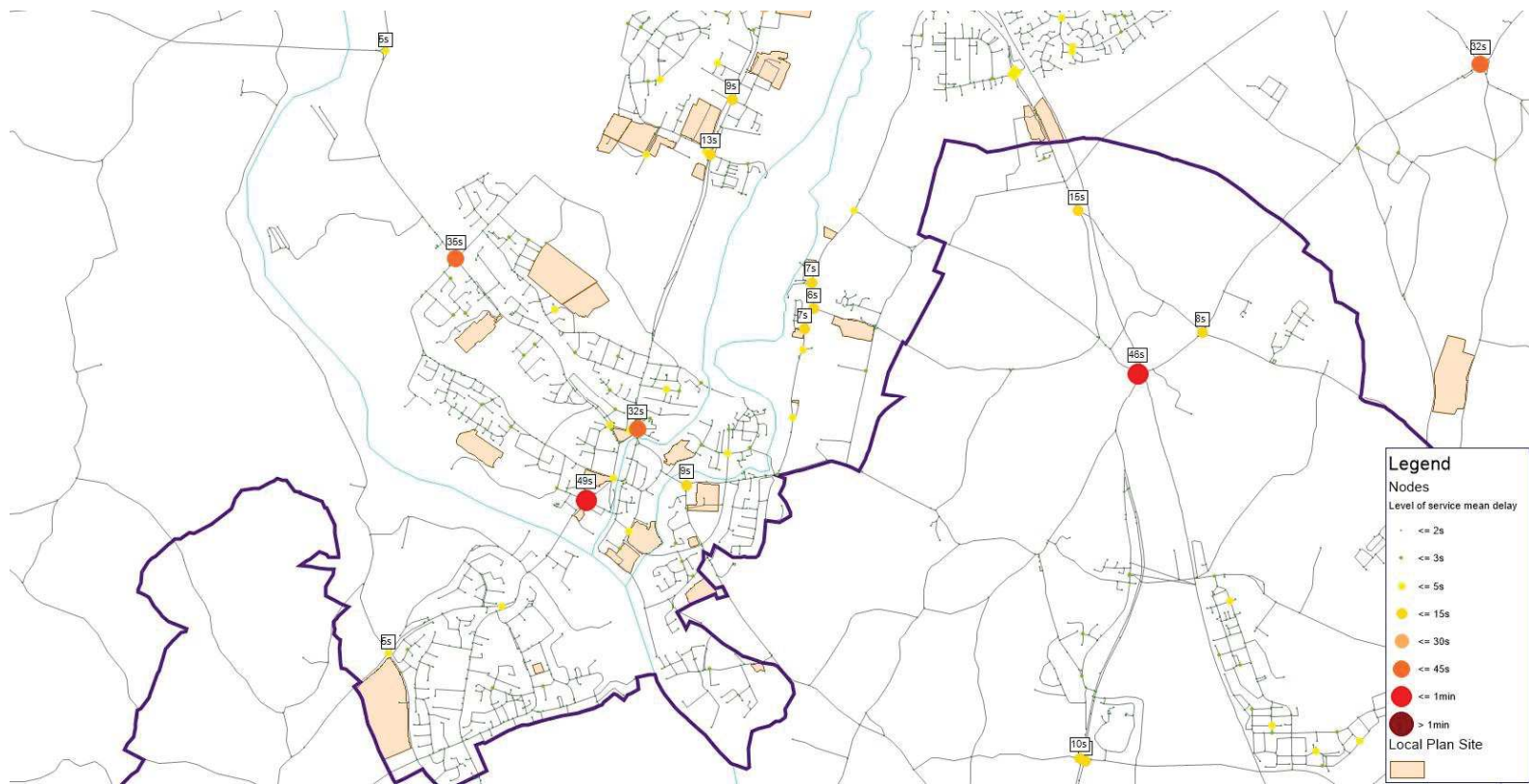


Figure 17: Mean Delays Stourport-on-Severn 2036 AM

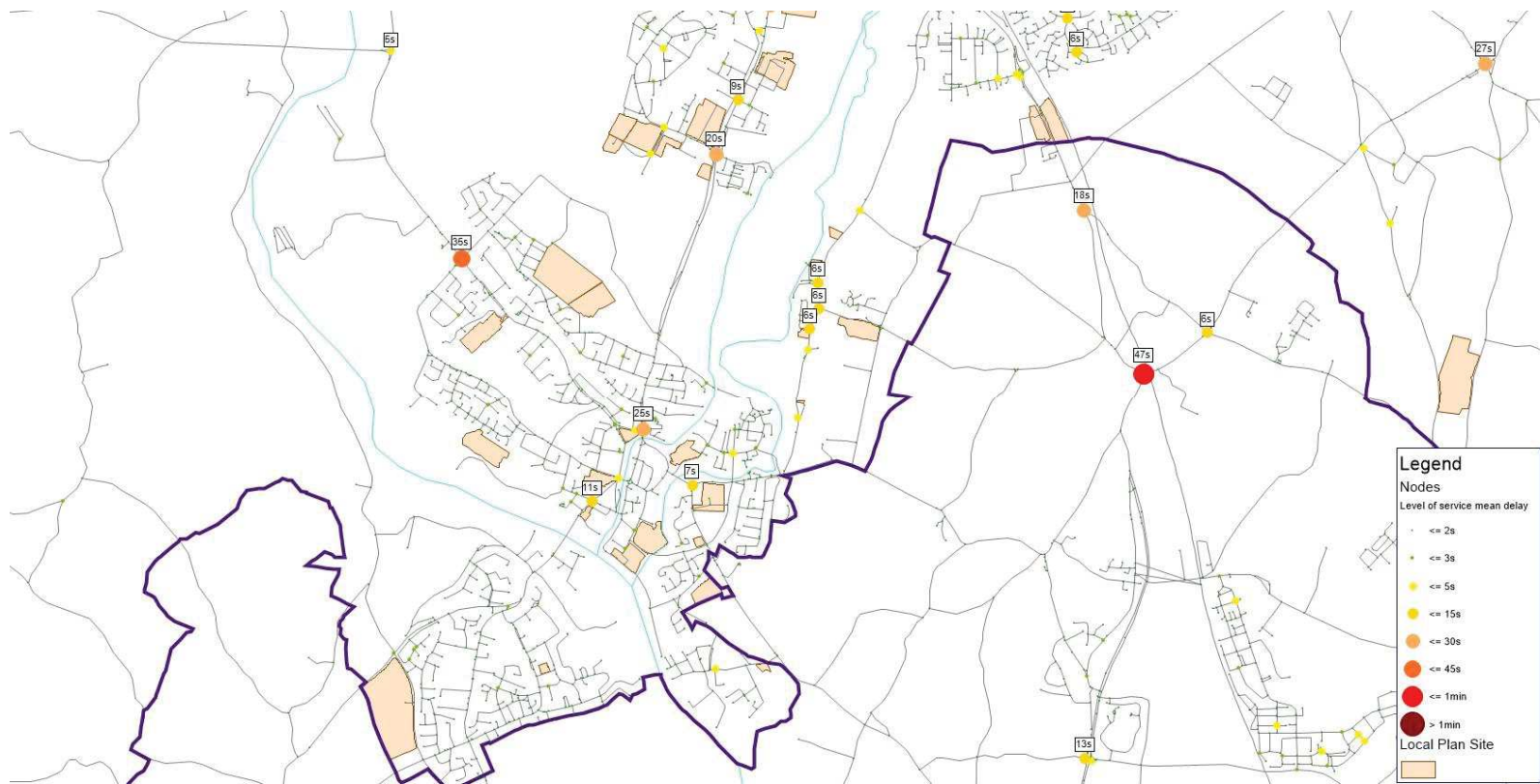


Figure 18: Mean Delays Stourport-on-Severn 2036 PM

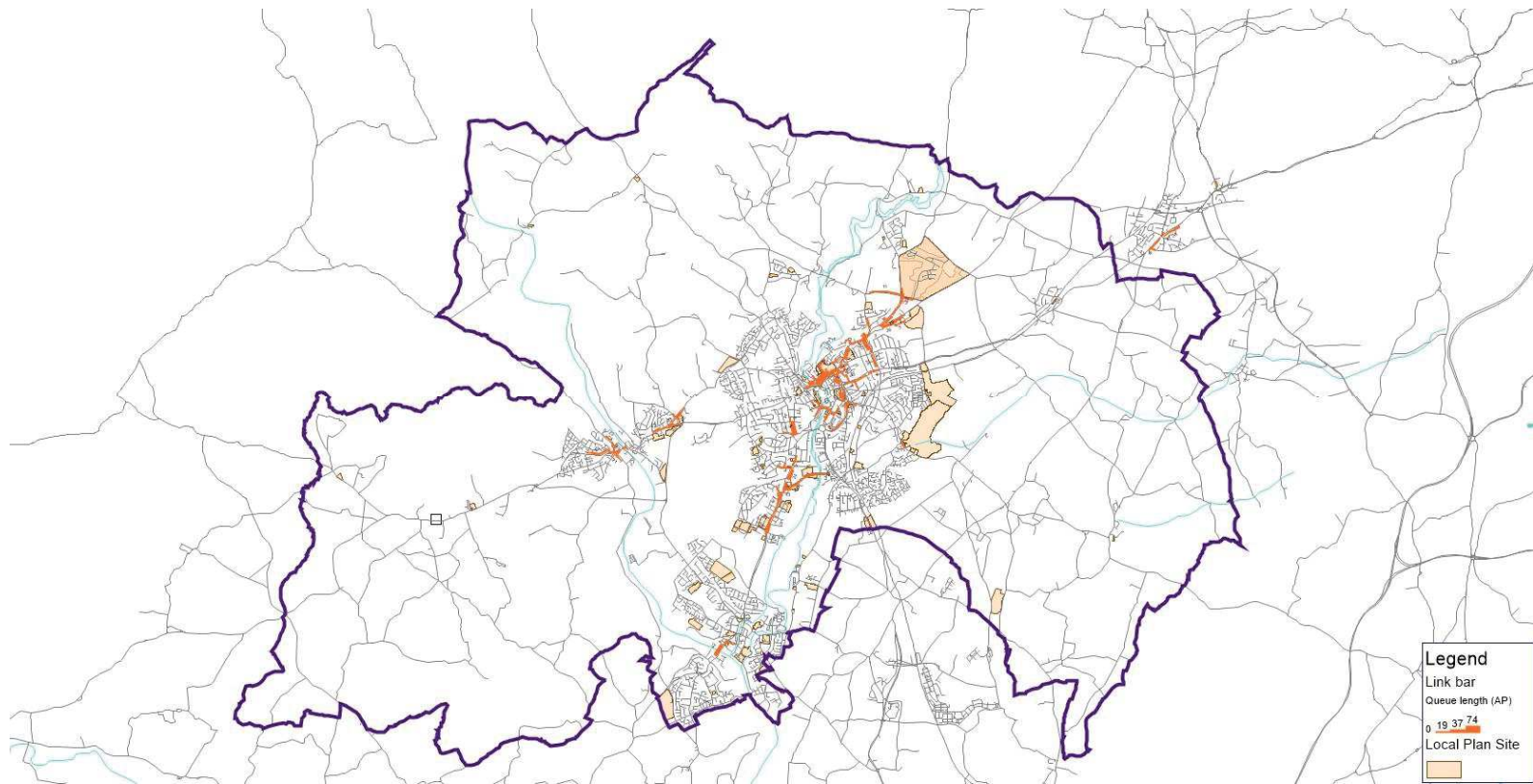


Figure 19: Queues 2036 AM



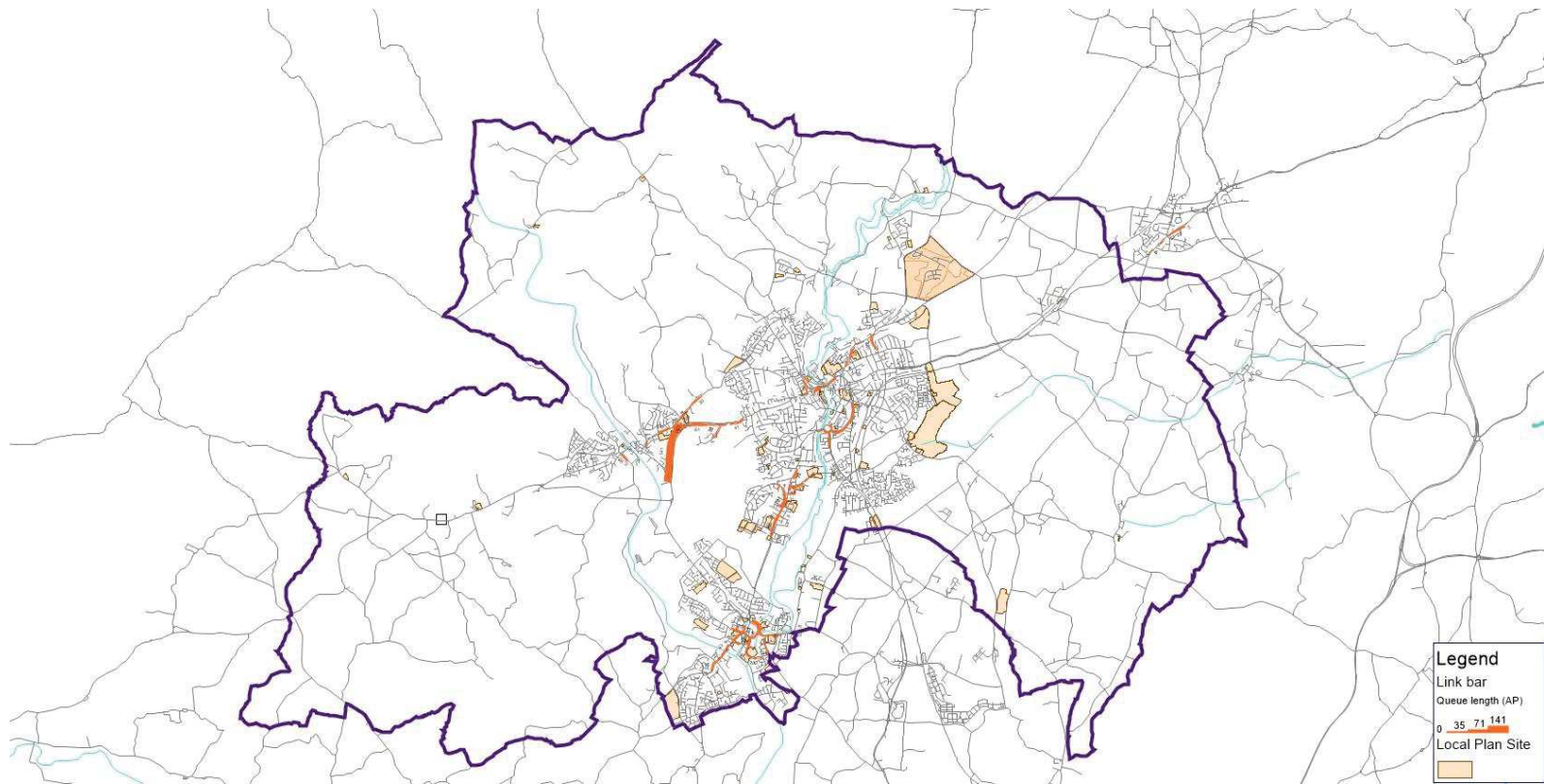


Figure 20: Queues 2036 PM

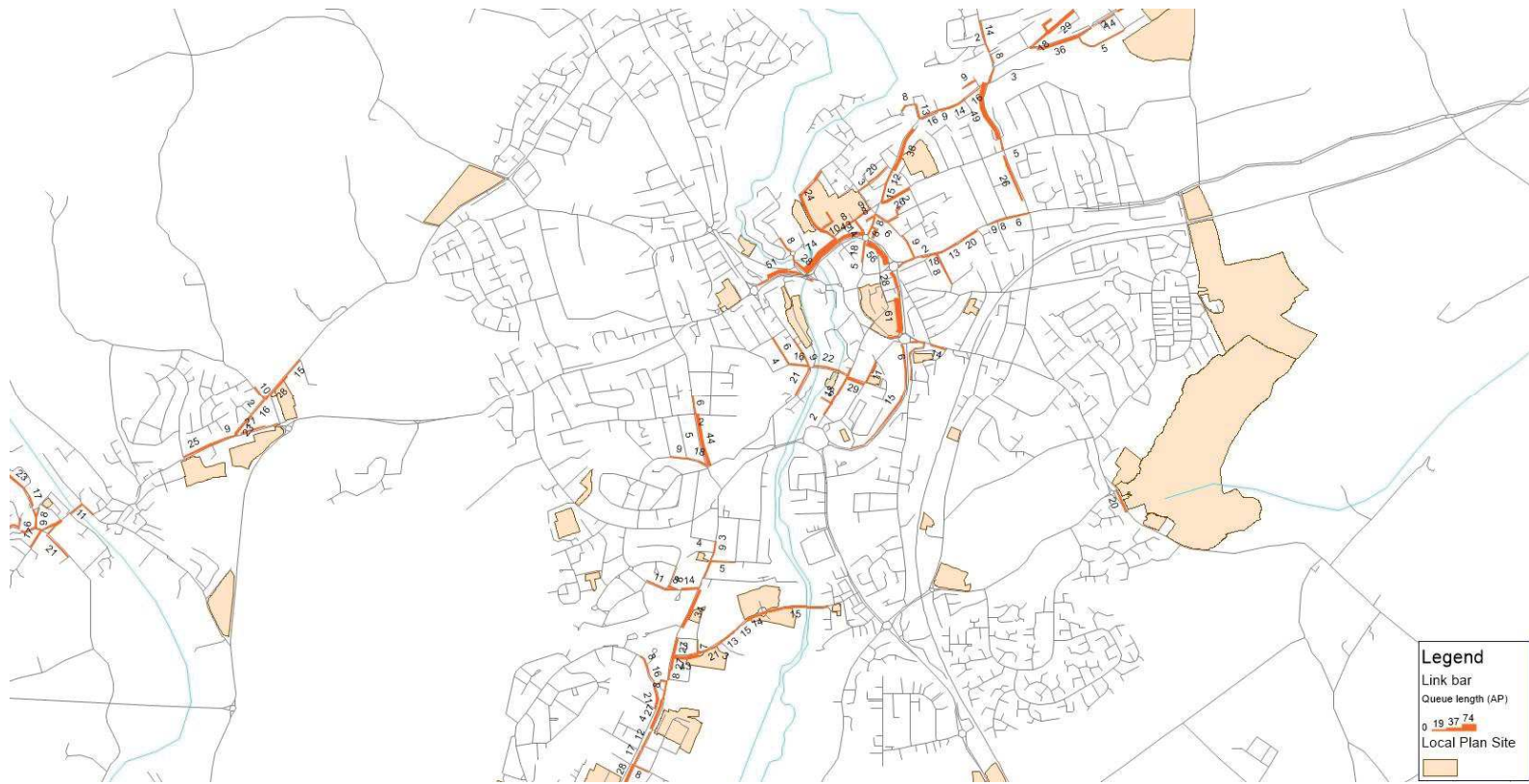


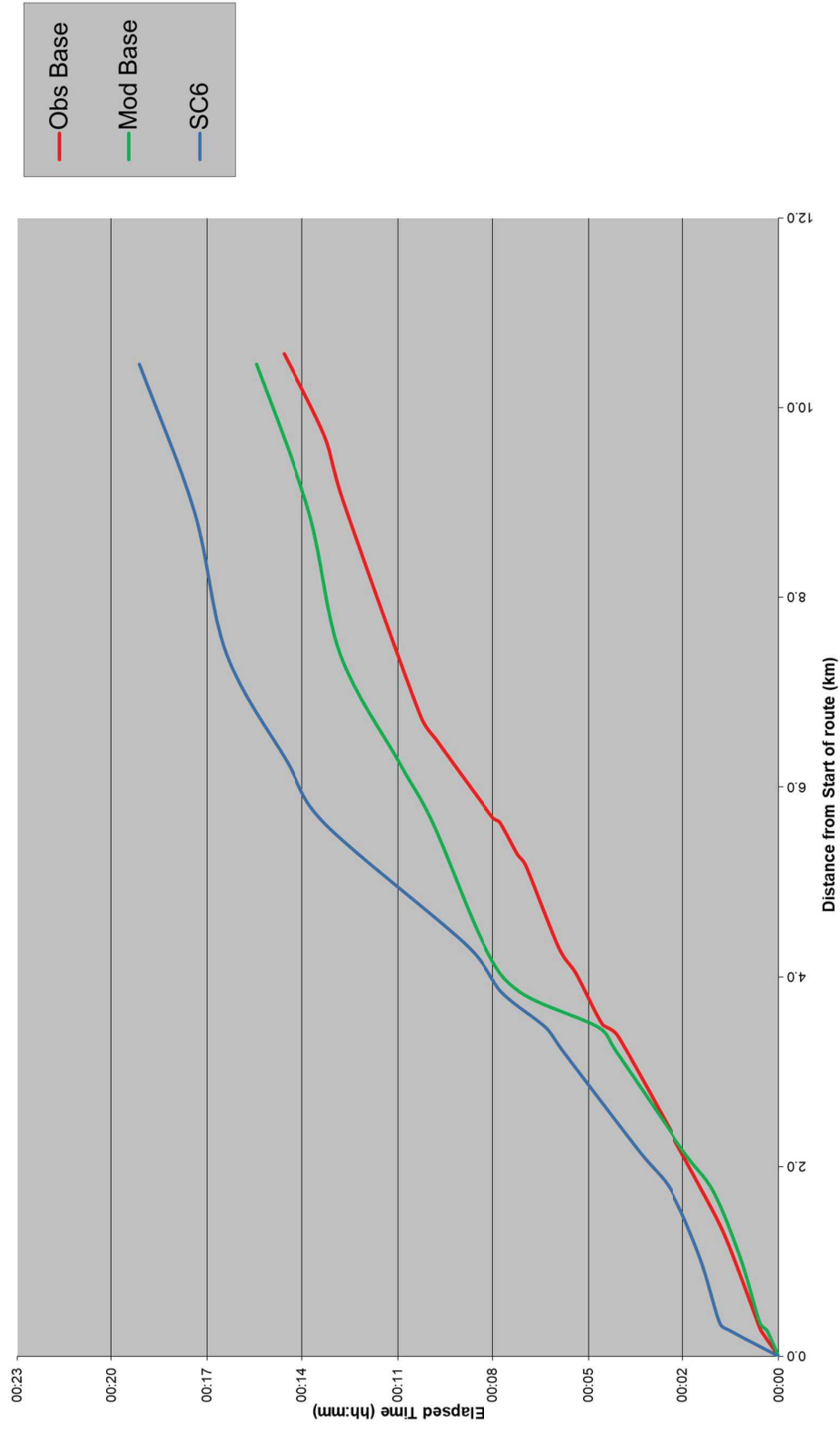
Figure 21: Queues Kidderminster 2036 AM



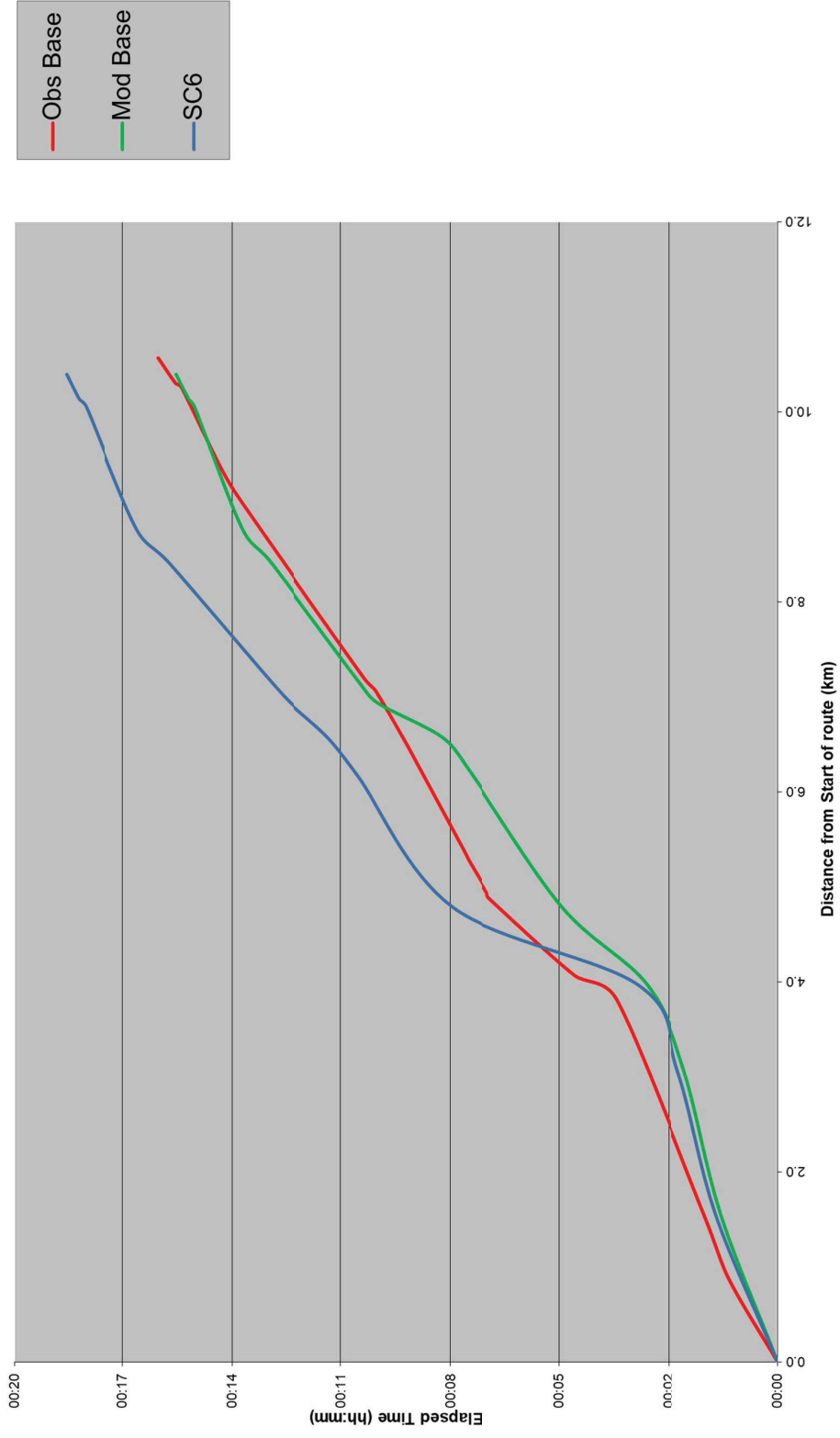
Figure 22: Queues Kidderminster 2036 PM



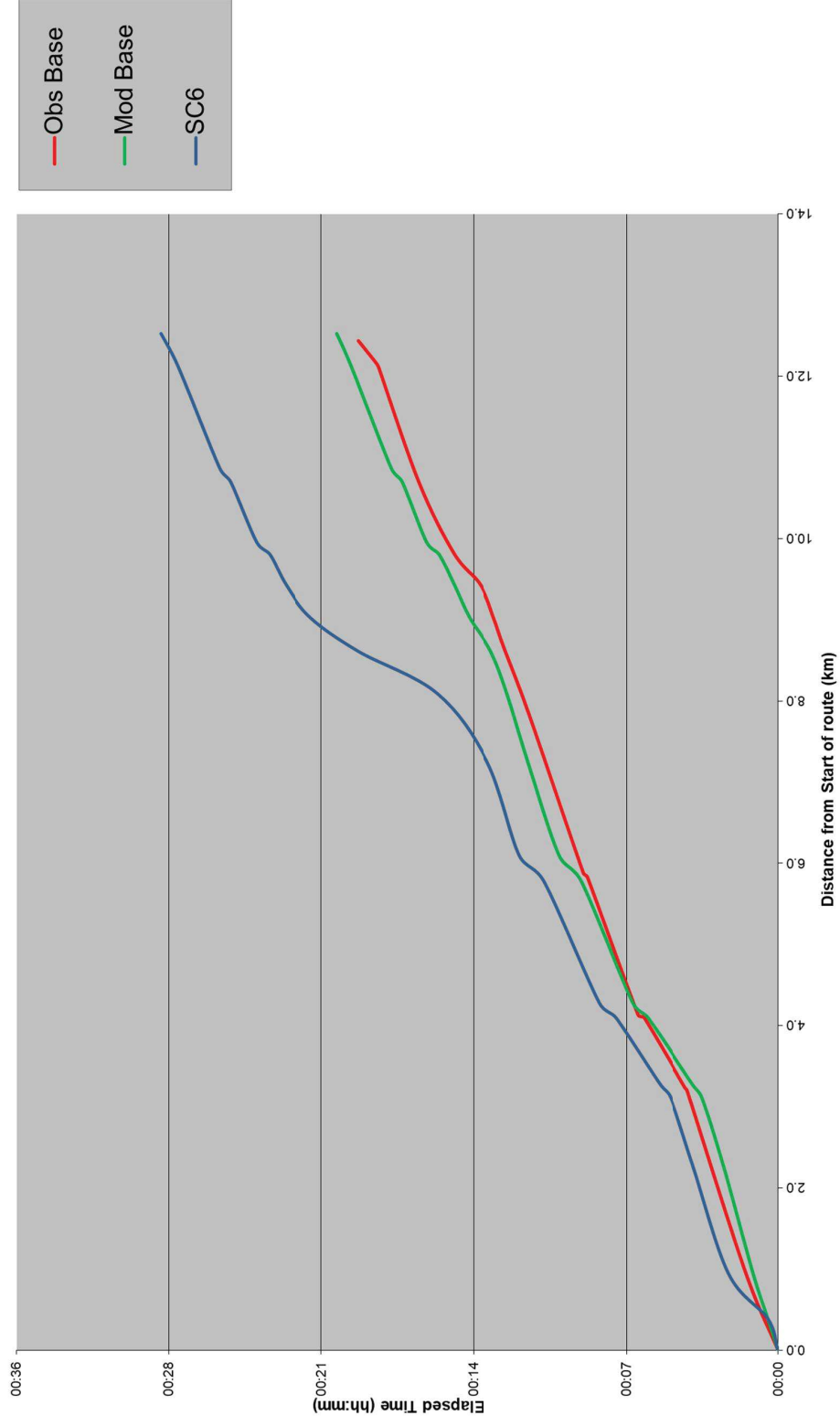
**Route 1 - Bewdley to Blakedown via A456, B4549 and A451 - EB, AM Peak**



**Route 1 - Bewdley to Blakedown via A456, B4549 and A451 - WB, AM Peak**

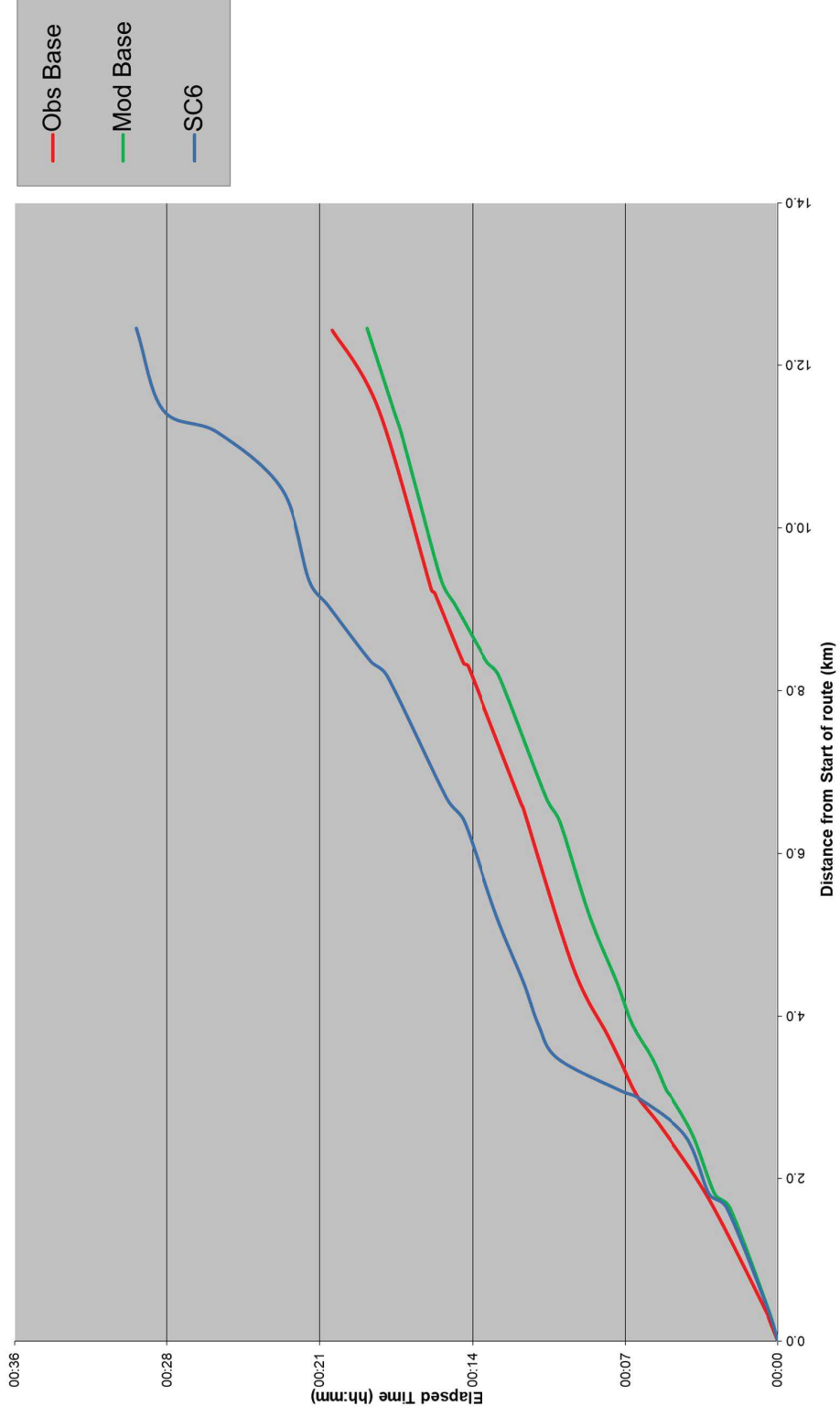


**Route 2 - Bewdley to Kidderminster via B4190, B4189 and A449 - EB, AM peak**

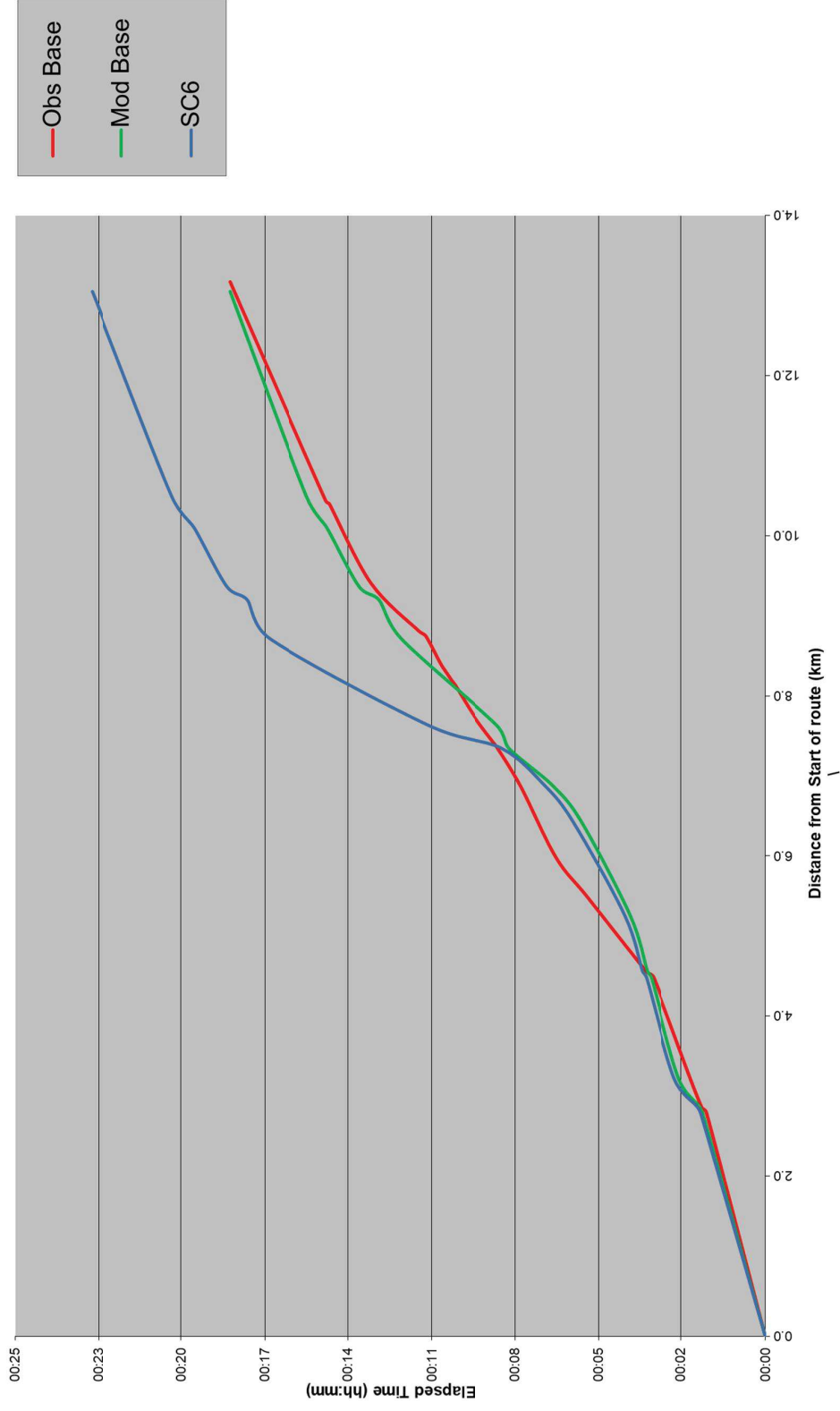




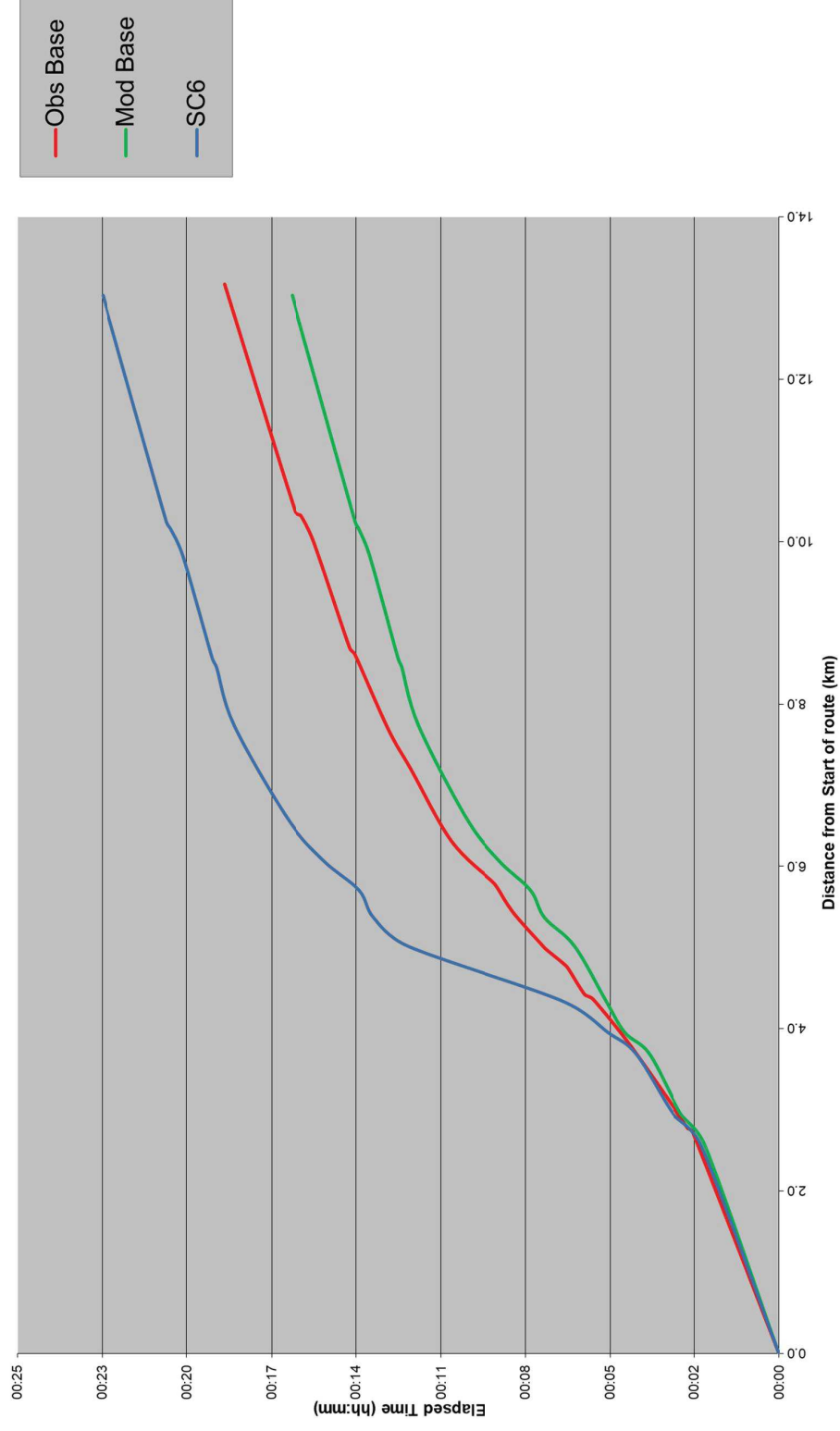
**Route 2 - Bewdley to Kidderminster via B4190, B4189 and A449 - WB, AM peak**



**Route 3 - Bewdley to Mustow Green via A456 and A448 - EB, AM peak**

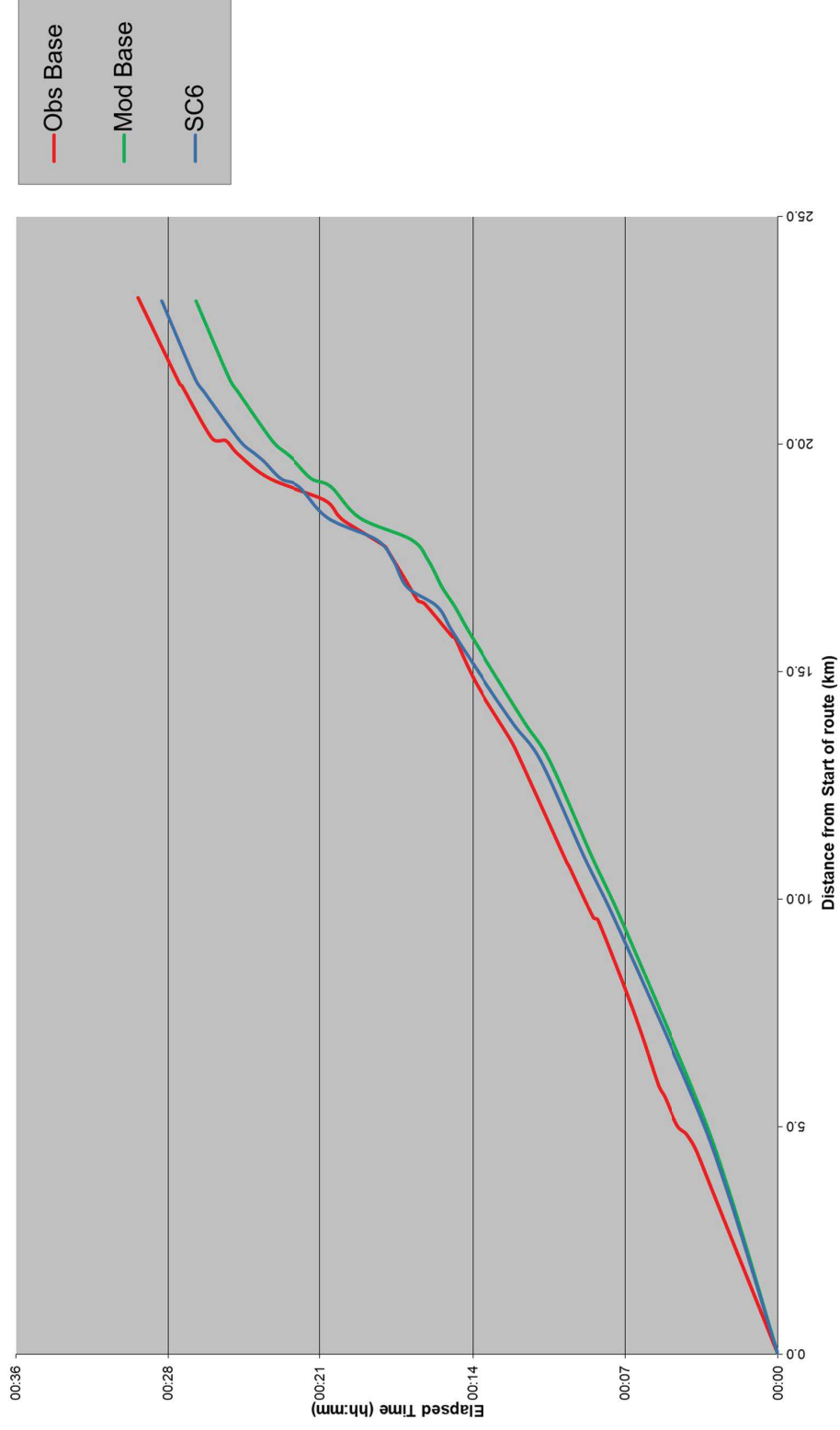


**Route 3 - Bewdley to Mustow Green via A456 and A448 - WB, AM peak**

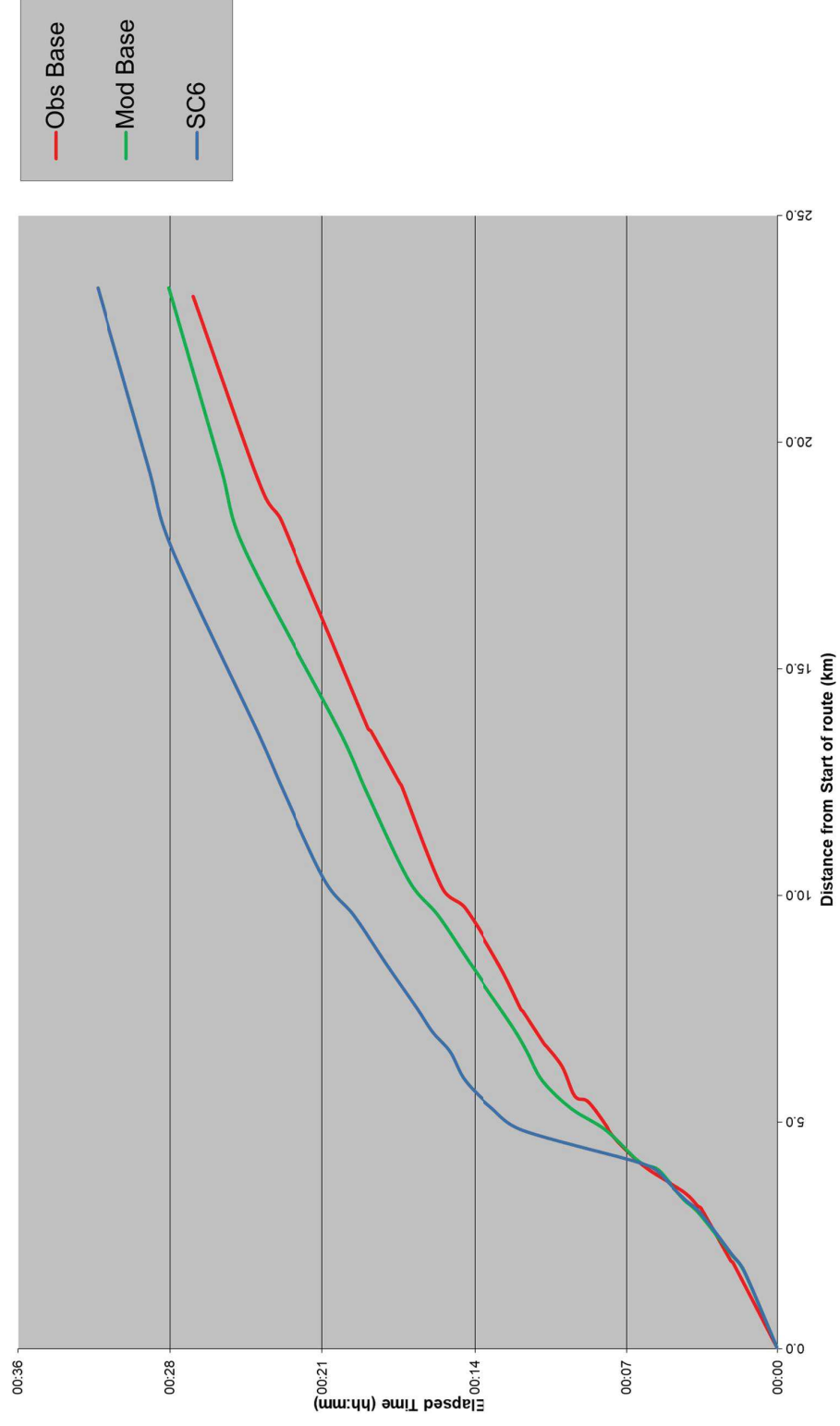




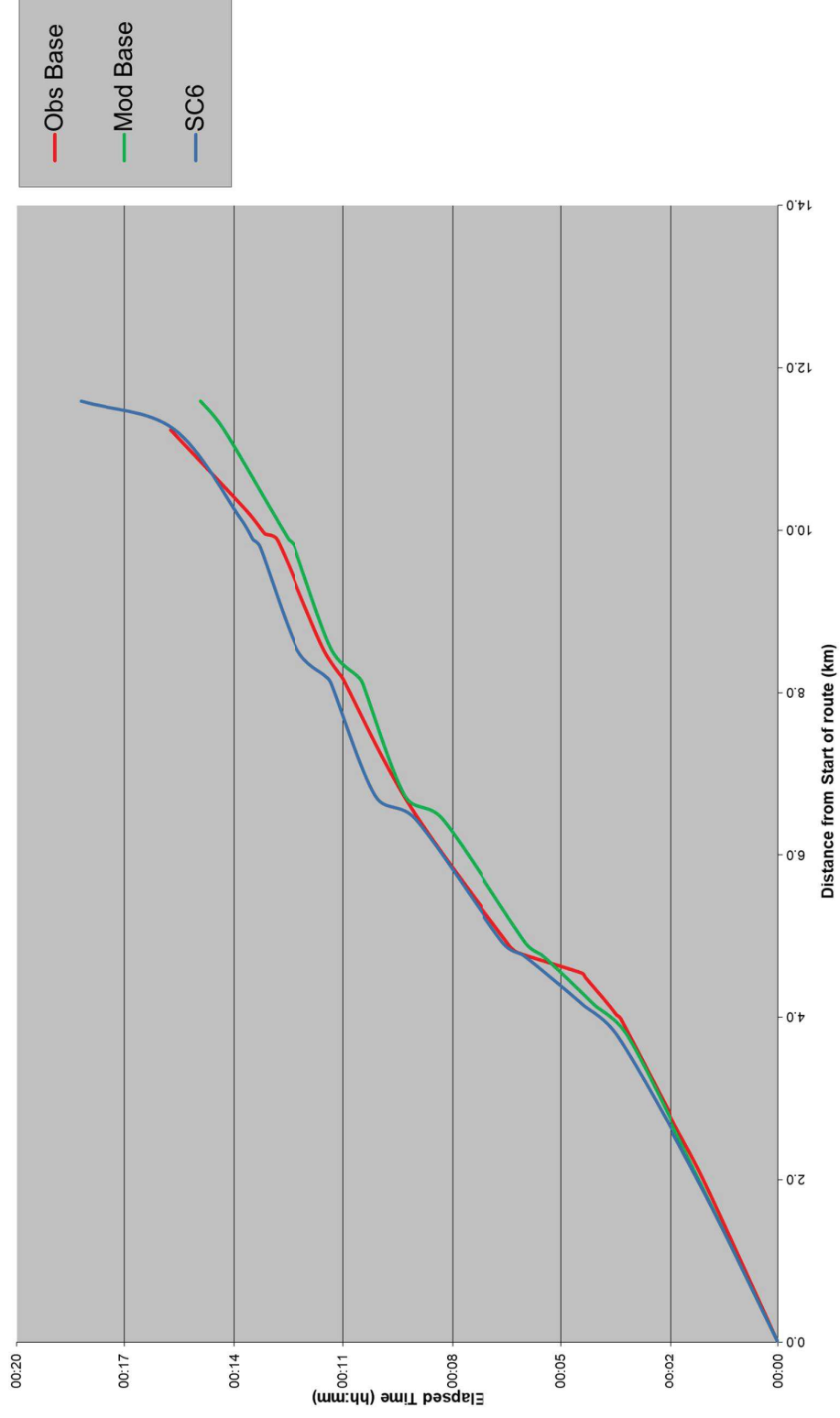
**Route 4 - Claines Roundabout, Worcester to Kidderminster via A449, A4535 and A442 - NB, AM peak**



**Route 4 - Claines Roundabout, Worcester to Kidderminster via A449, A4535 and A442 - SB, AM peak**

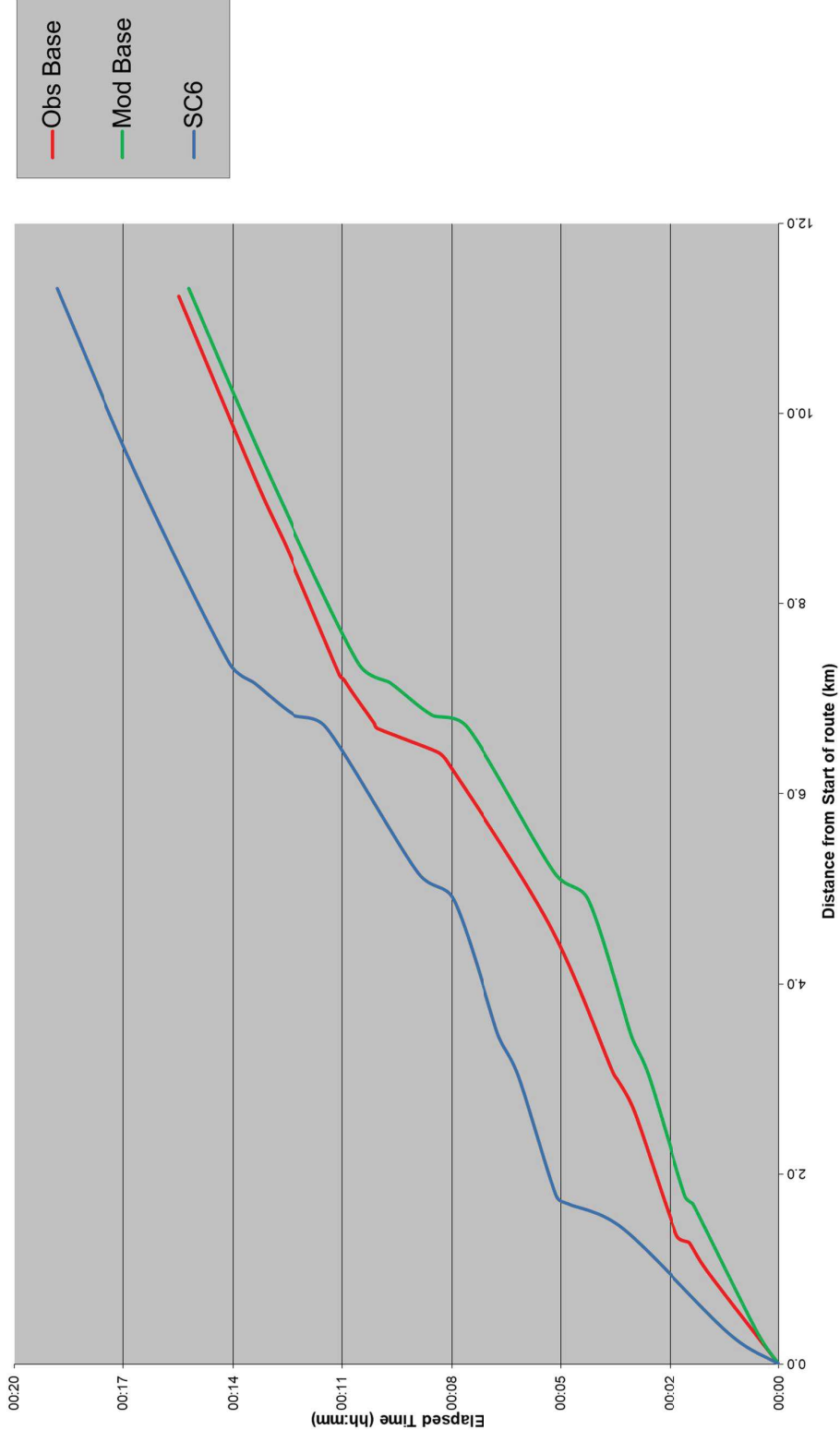


**Route 5 - Crossway Green to Bewdley via A4250, and B4195 - NB, AM peak**

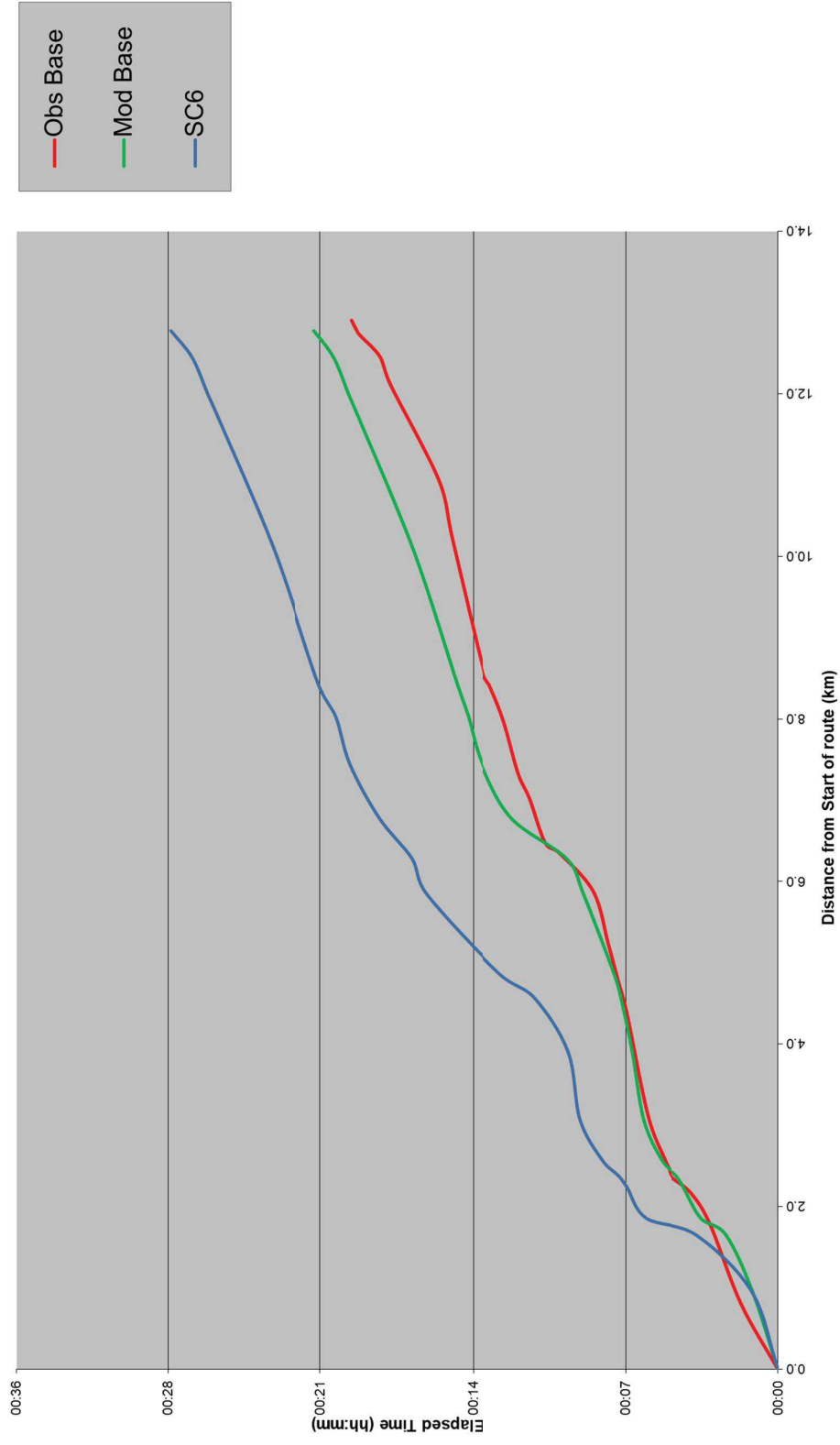




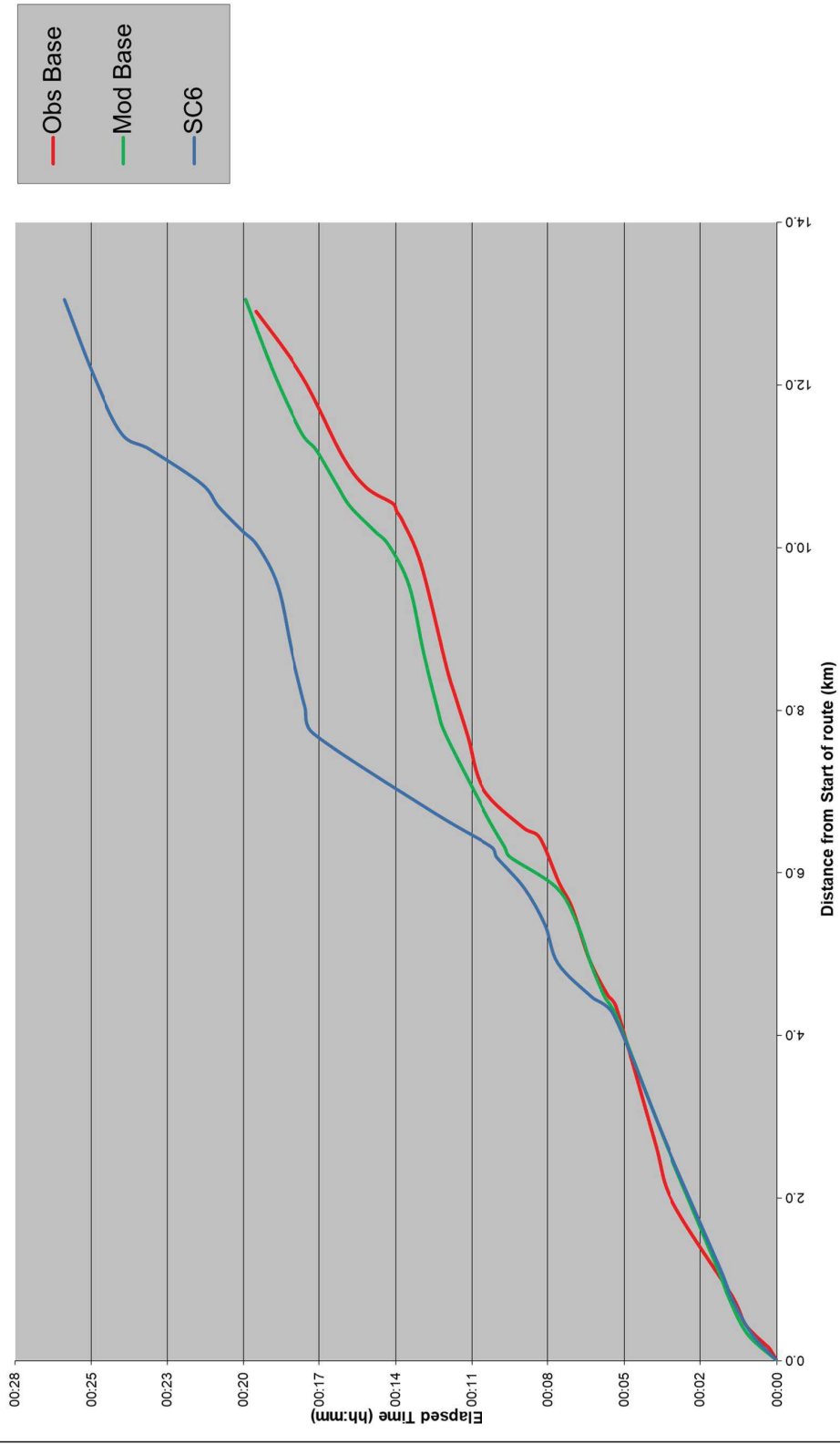
**Route 5 - Crossway Green to Bewdley via A4250, and B4195 - SB, AM peak**



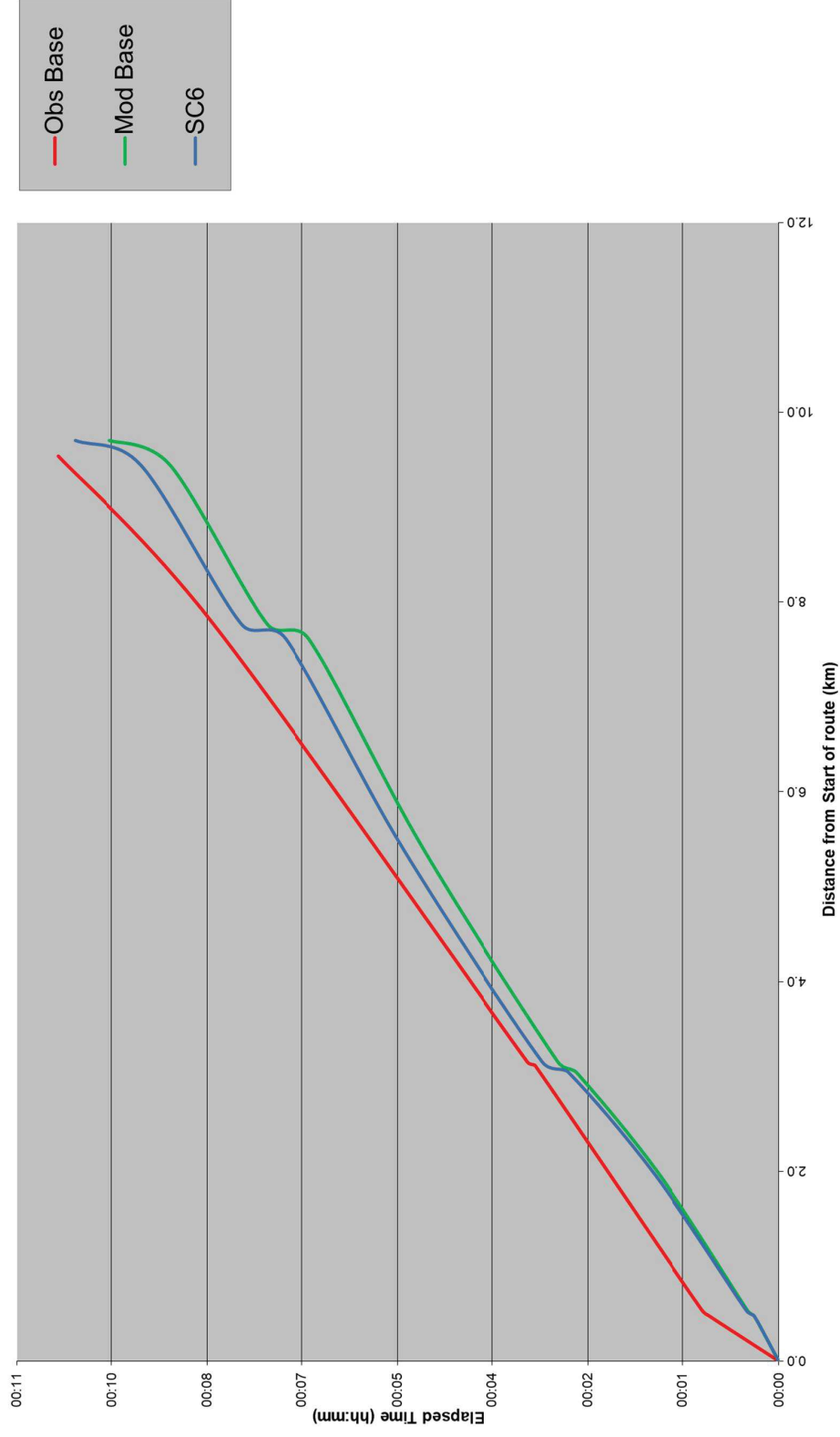
**Route 6 - Stourport to Kidderminster via A451 and Wilden Lane - CW, AM peak**



**Route 6 - Stourport to Kidderminster via A451 and Wilden Lane - ACW, AM peak**

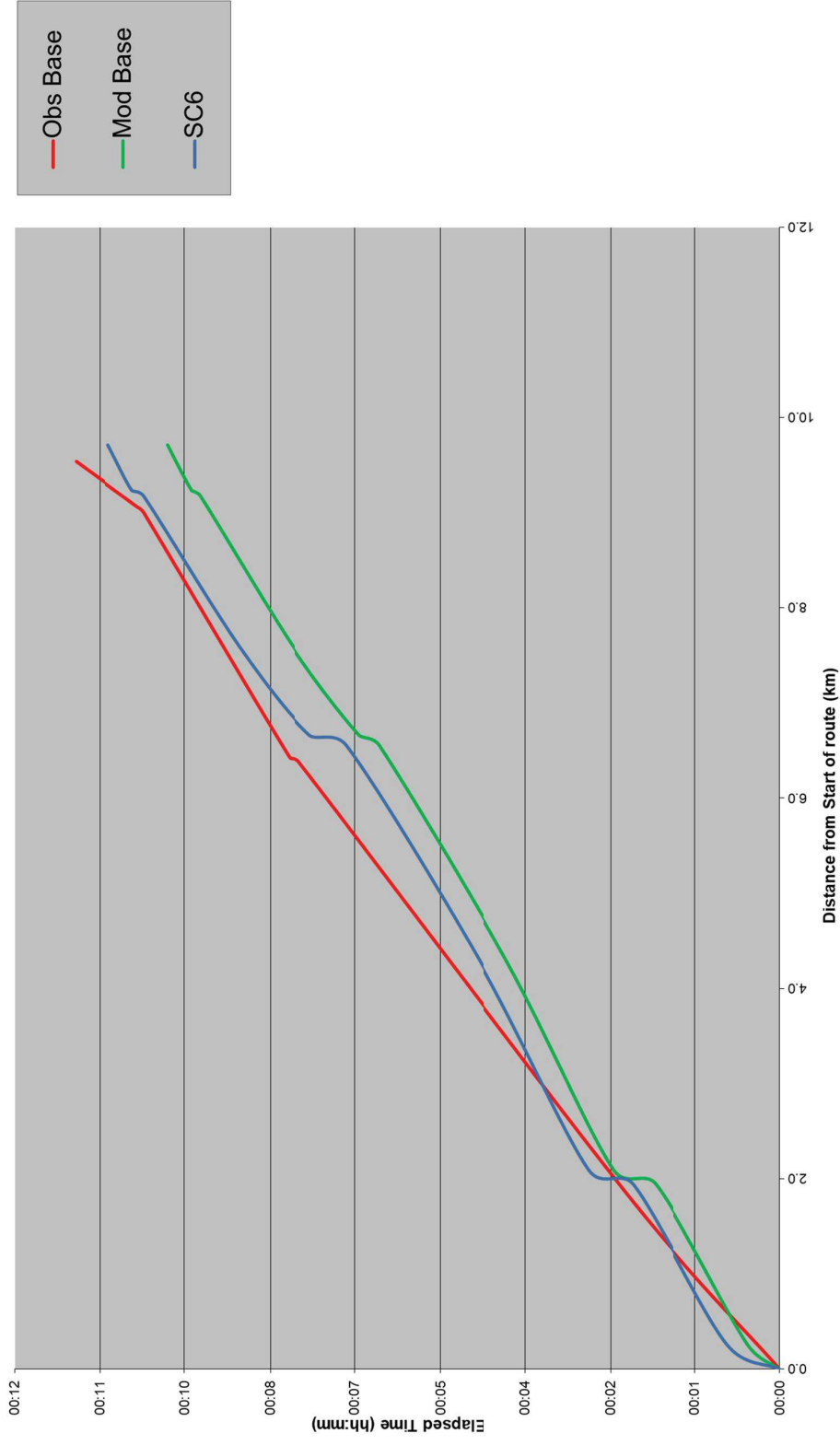


**Route 7 - A449 to A456 via A450 - NB, AM peak**

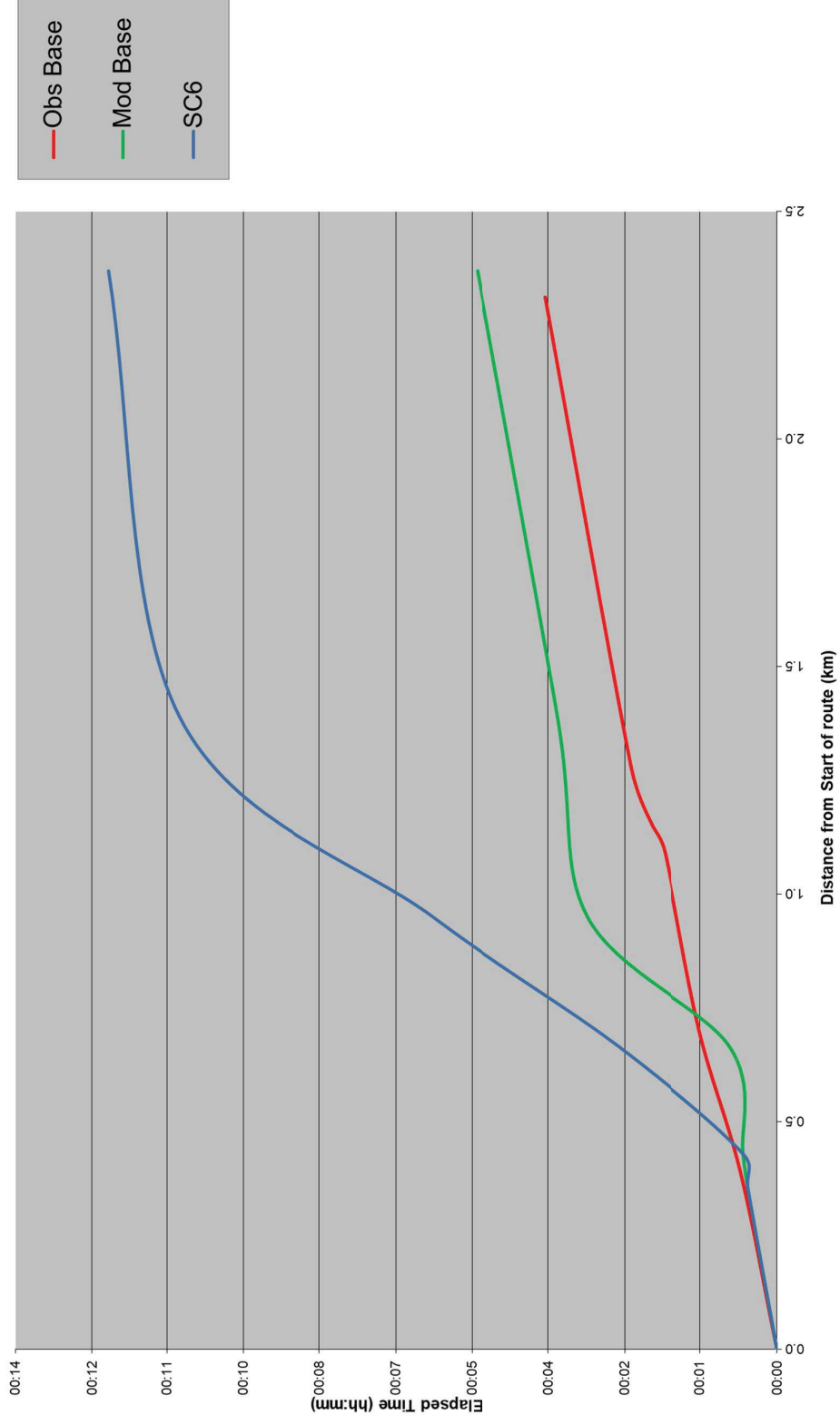




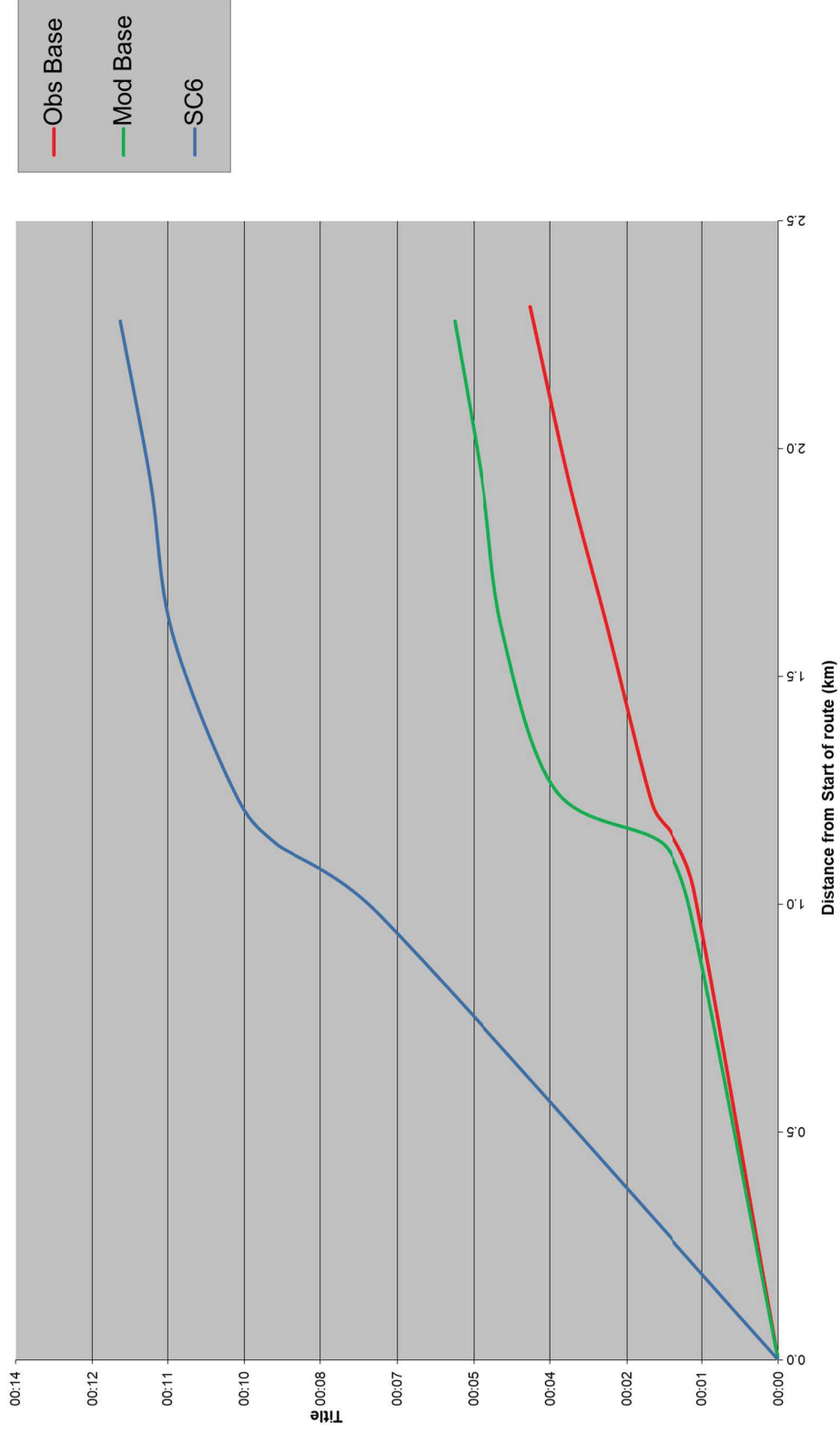
**Route 7 - A449 to A456 via A450 - SB, AM peak**



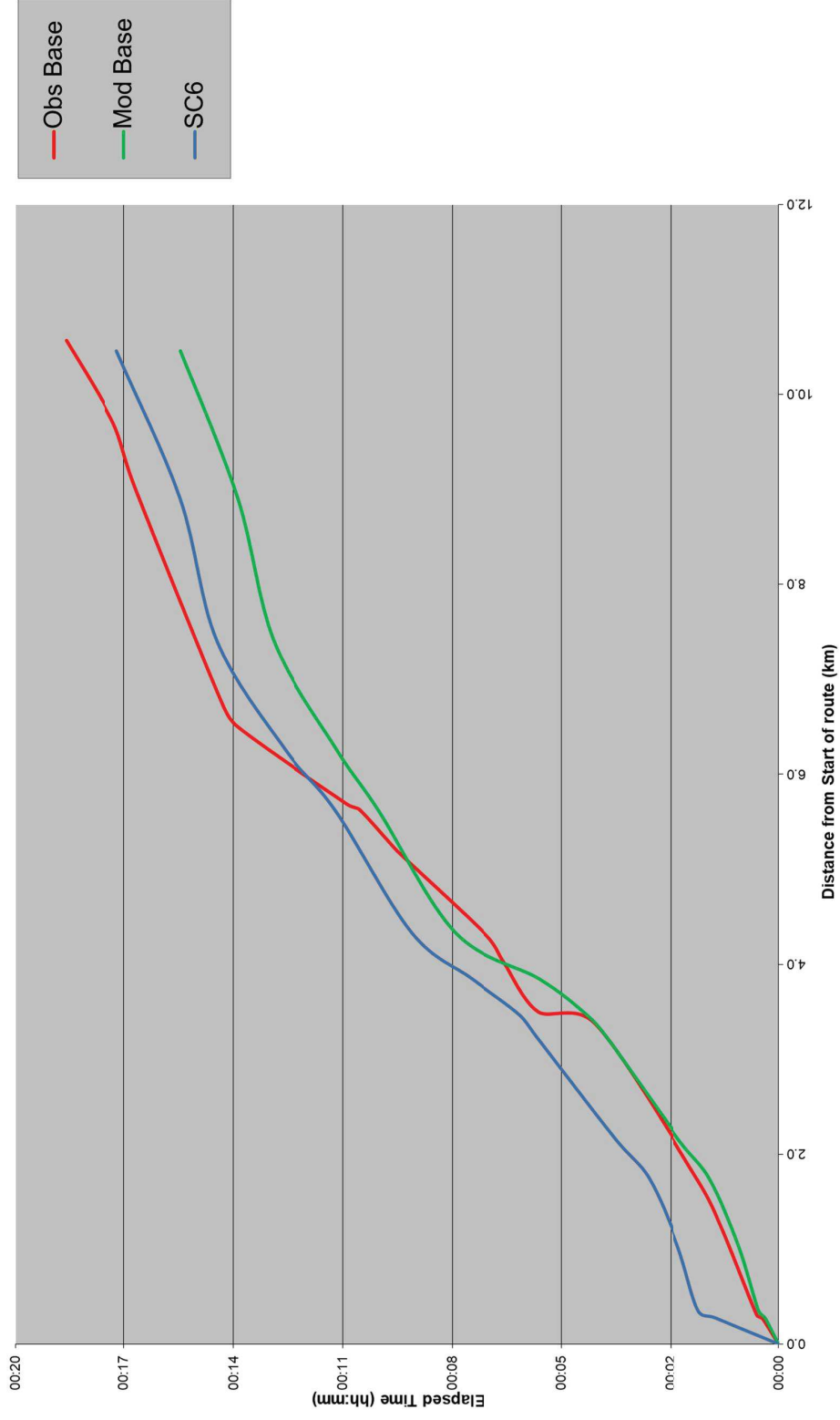
**Route 8 - A449 Chester Road North to Mason Road via A456 Ringway - EB, AM peak**



**Route 8 - A449 Chester Road North to Mason Road via A456 Ringway - WB, AM peak**

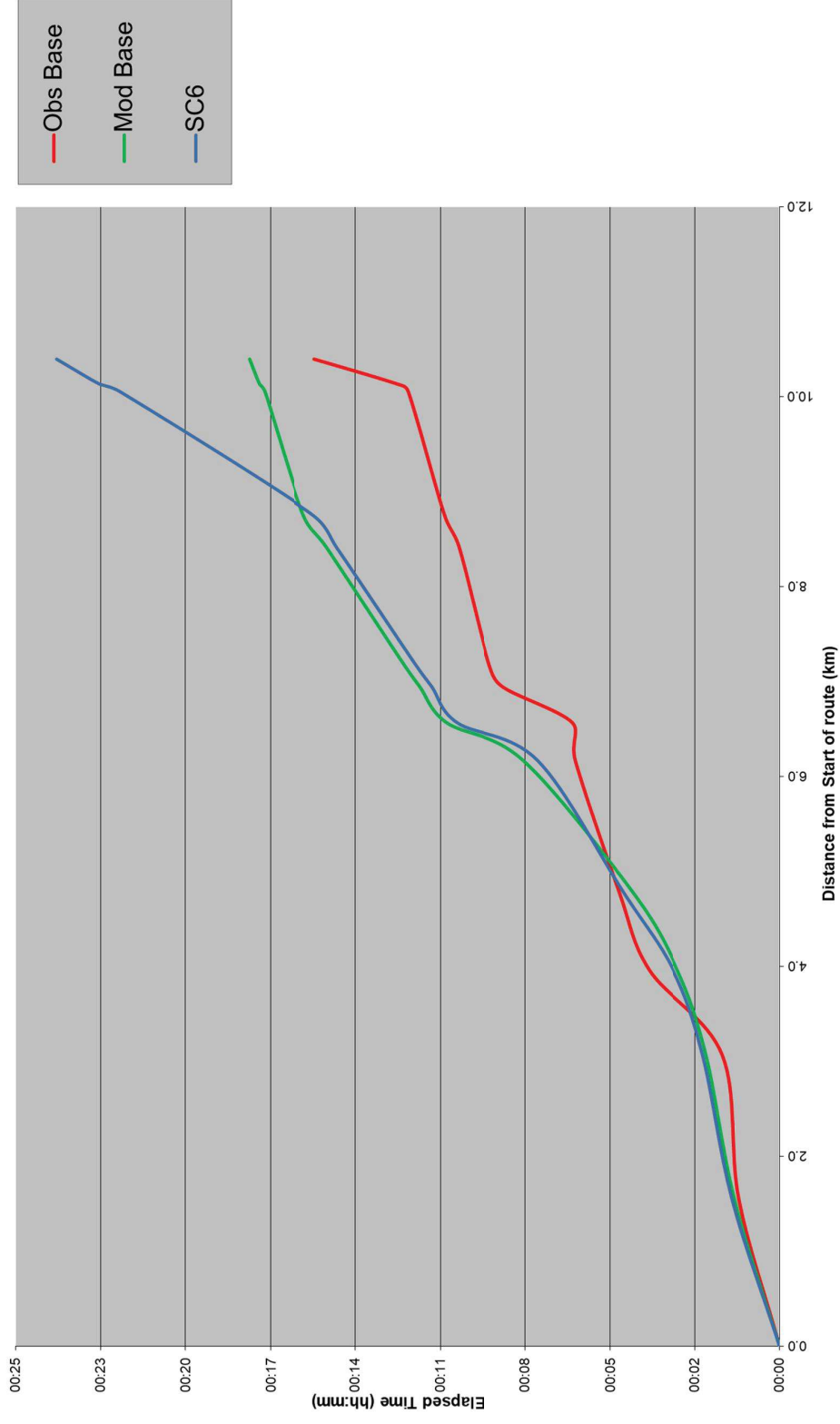


**Route 1 - Bewdley to Blakedown via A456, B4549 and A451 - EB, PM Peak**

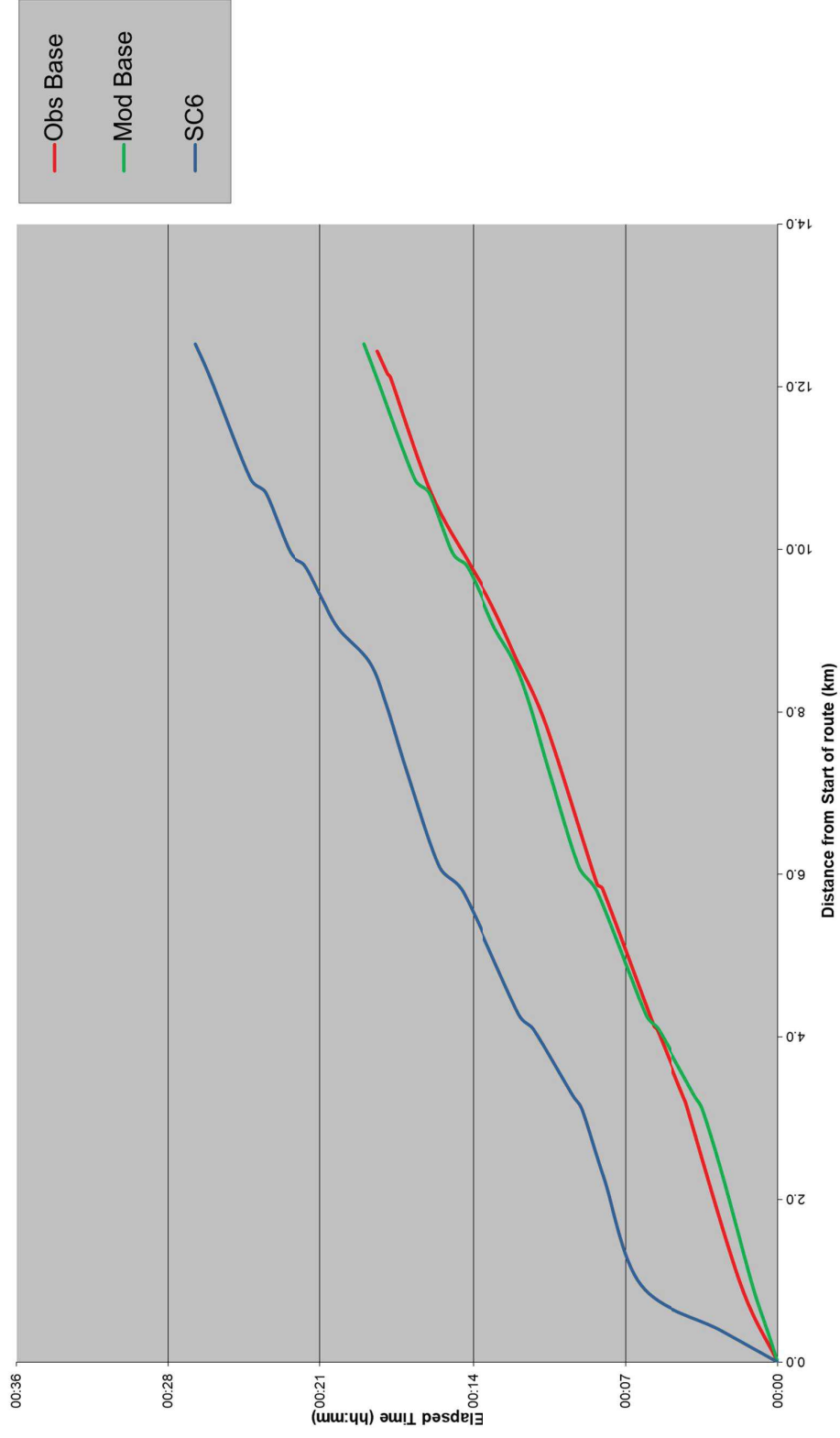




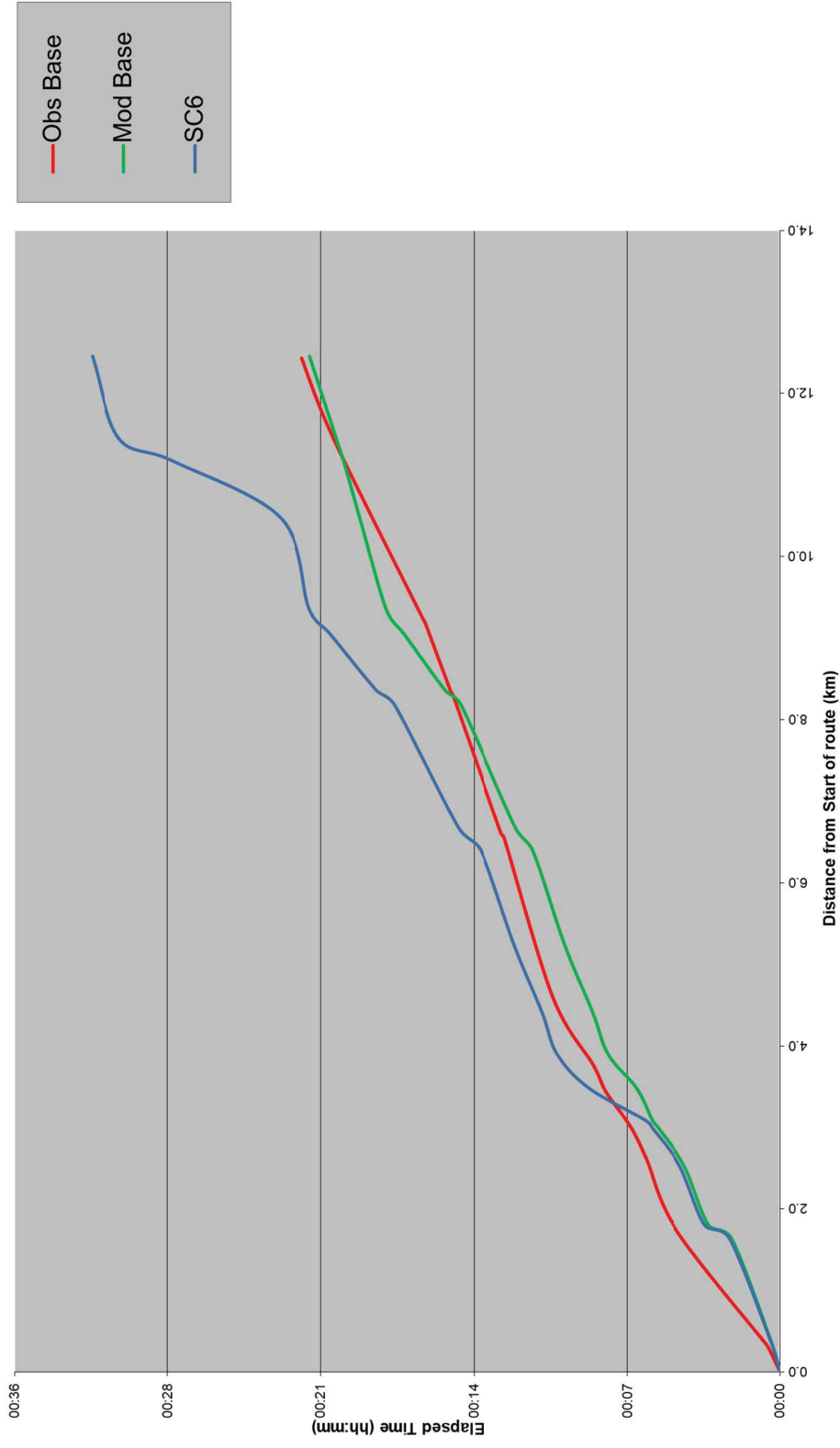
**Route 1 - Bewdley to Blakedown via A456, B4549 and A451 - WB, PM Peak**



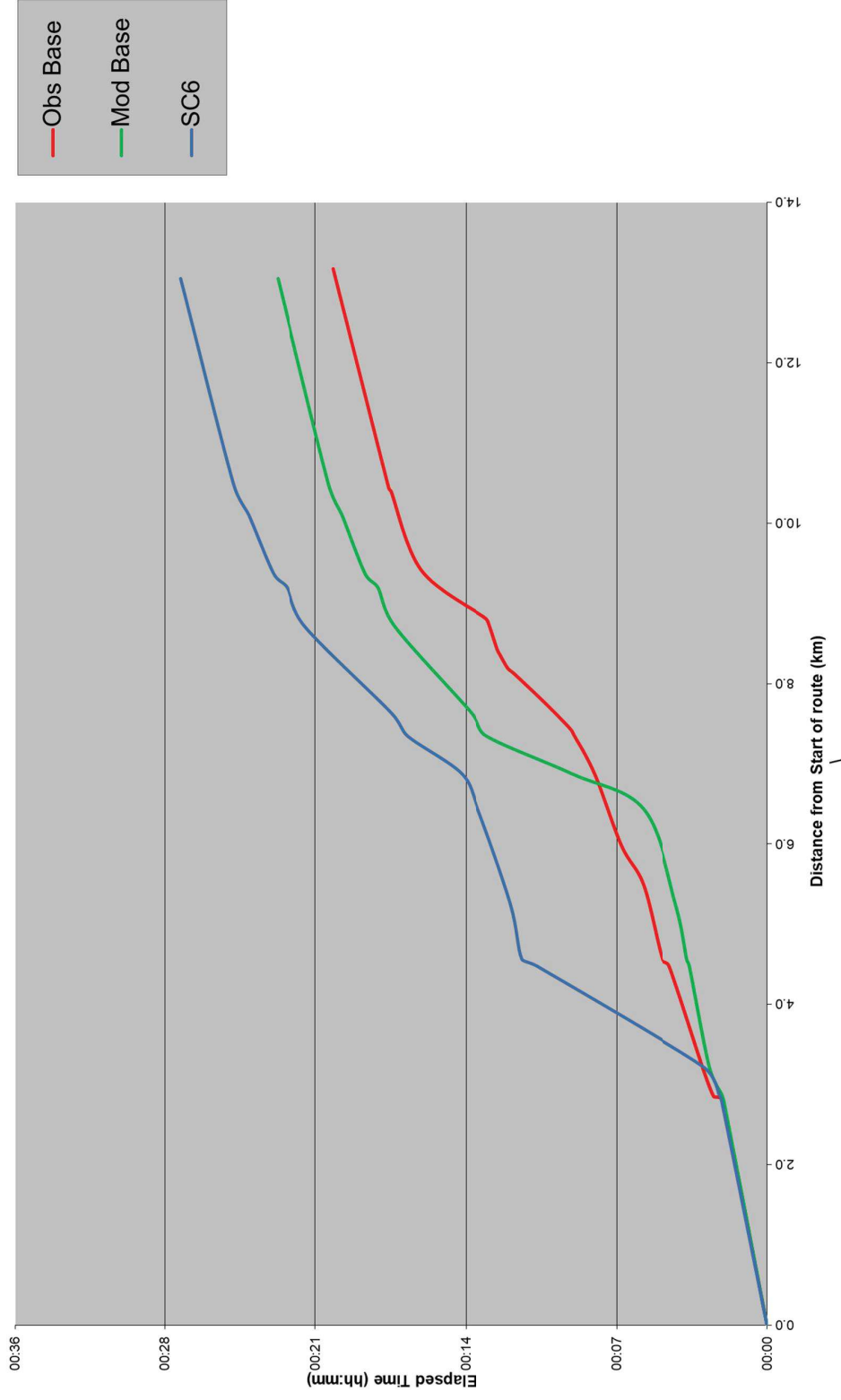
**Route 2 - Bewdley to Kidderminster via B4190, B4189 and A449 - EB, PM peak**



**Route 2 - Bewdley to Kidderminster via B4190, B4189 and A449 - WB, PM peak**

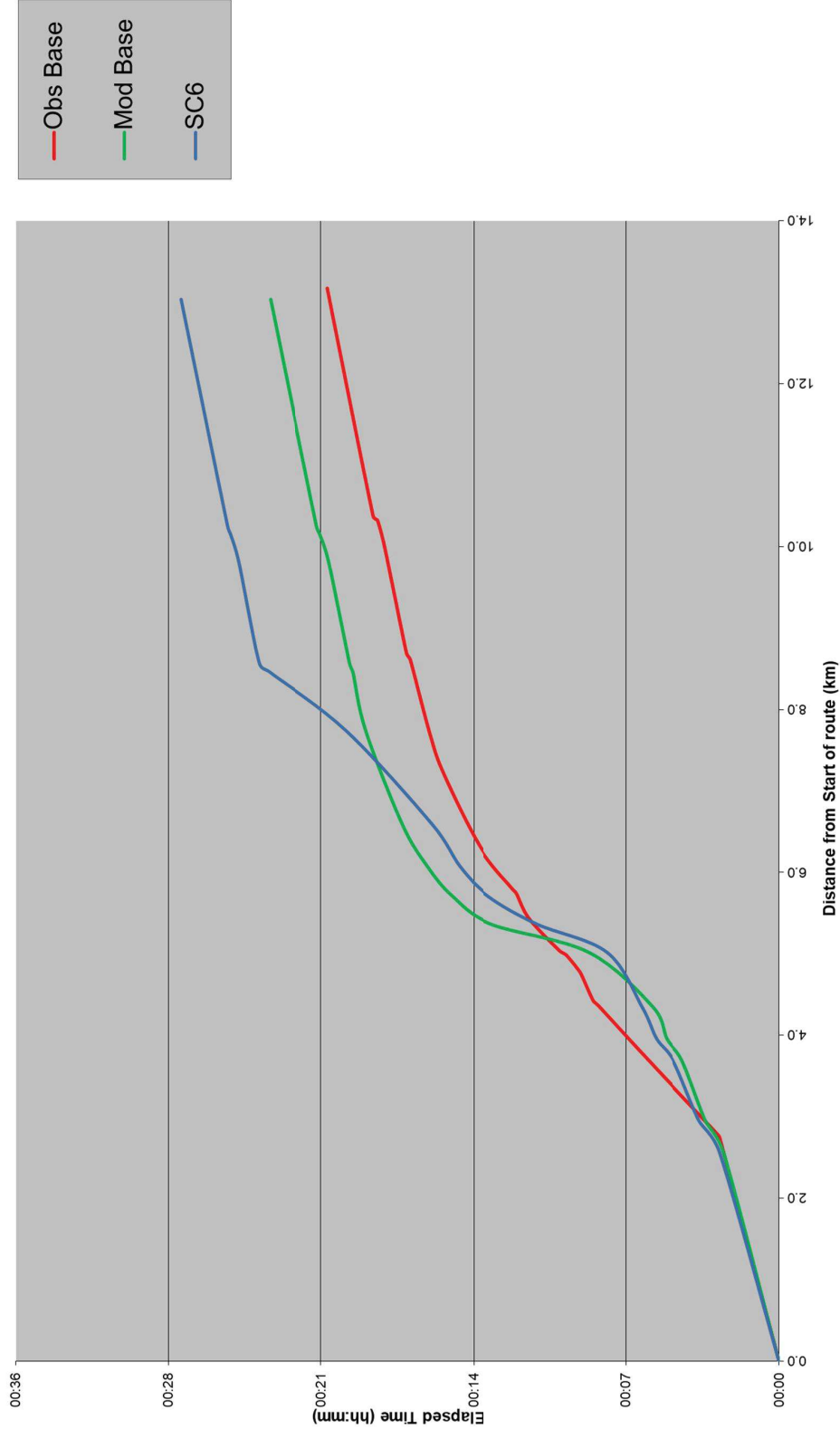


**Route 3 - Bewdley to Mustow Green via A456 and A448 - EB, PM peak**

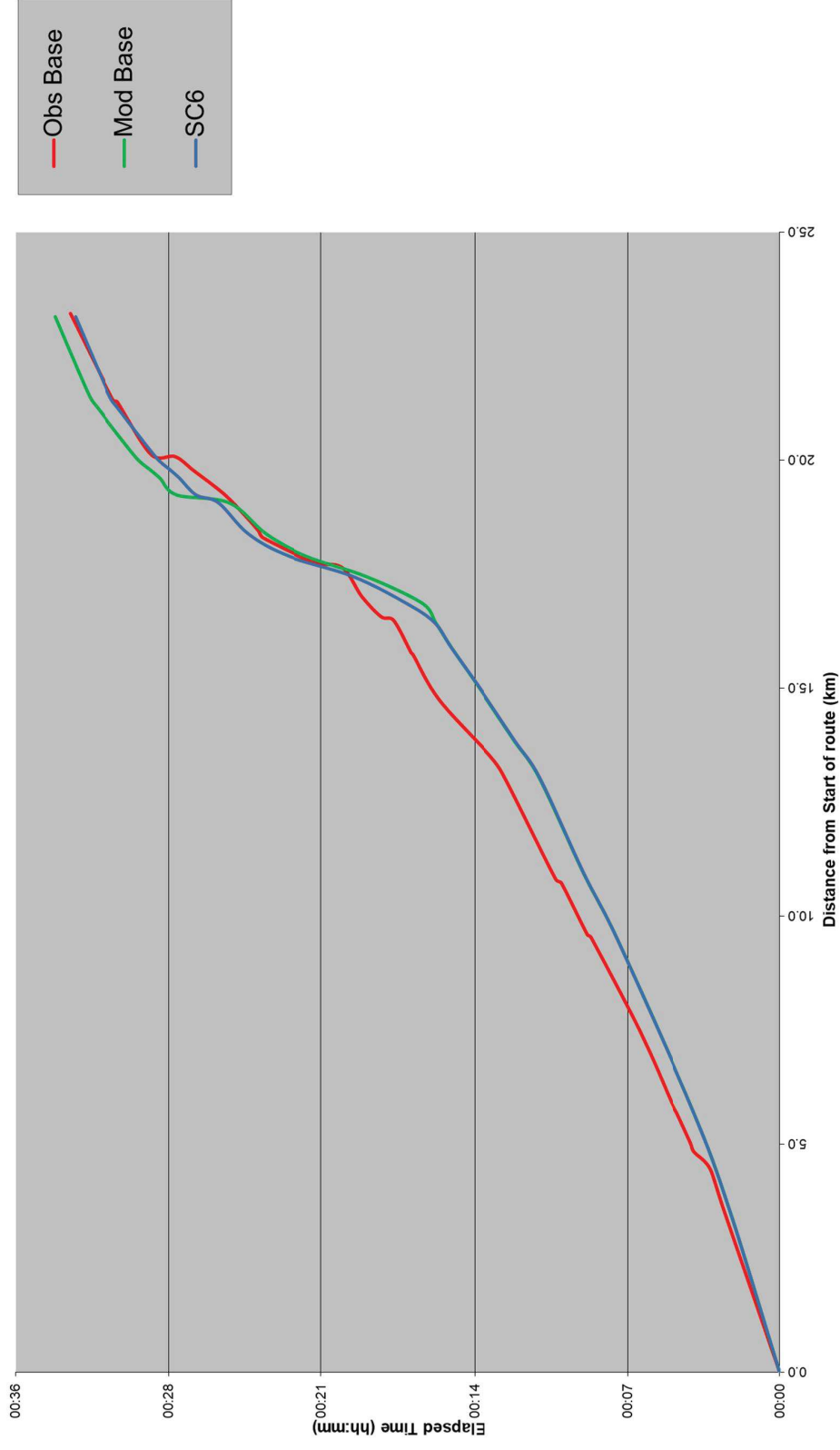




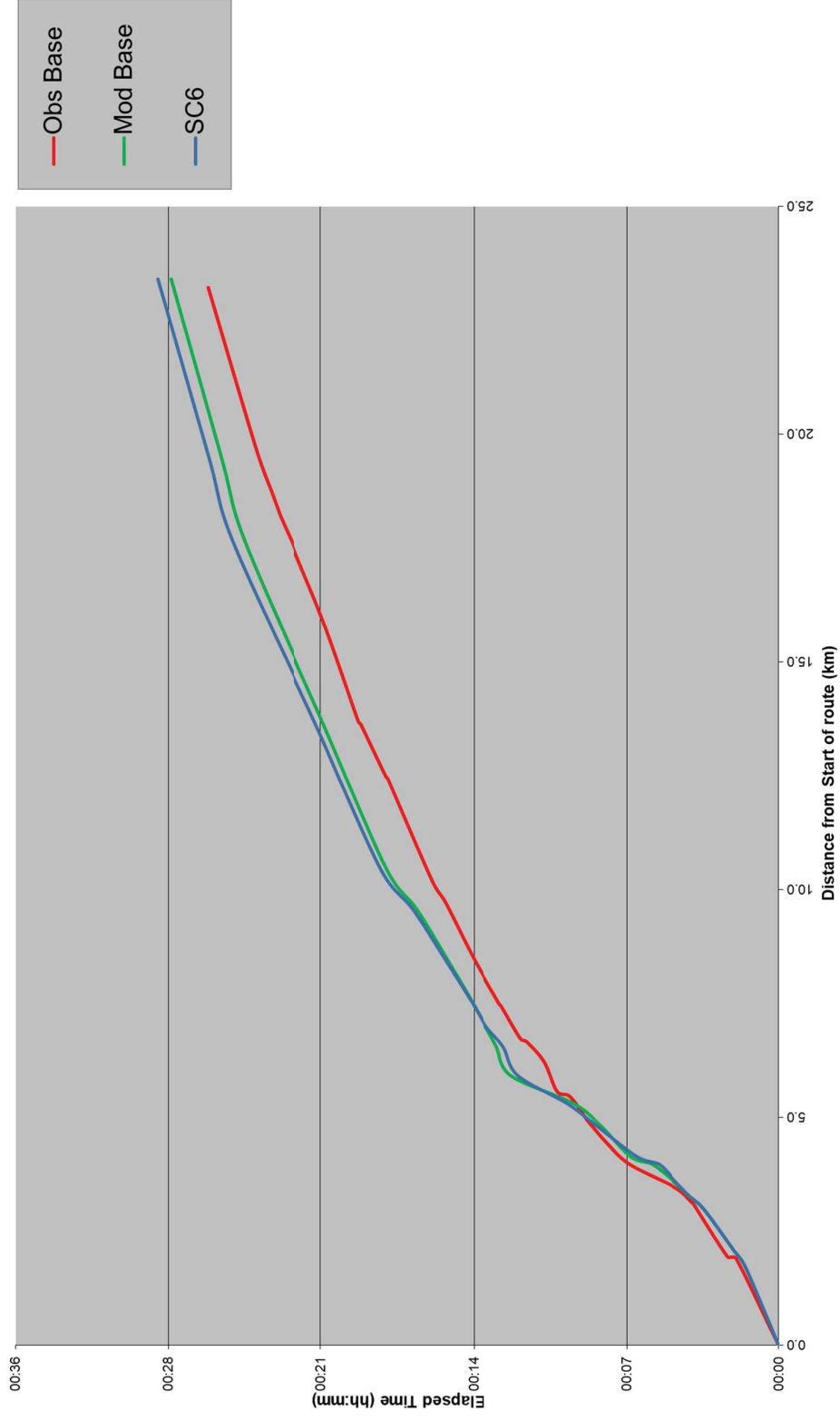
**Route 3 - Bewdley to Mustow Green via A456 and A448 - WB, PM peak**



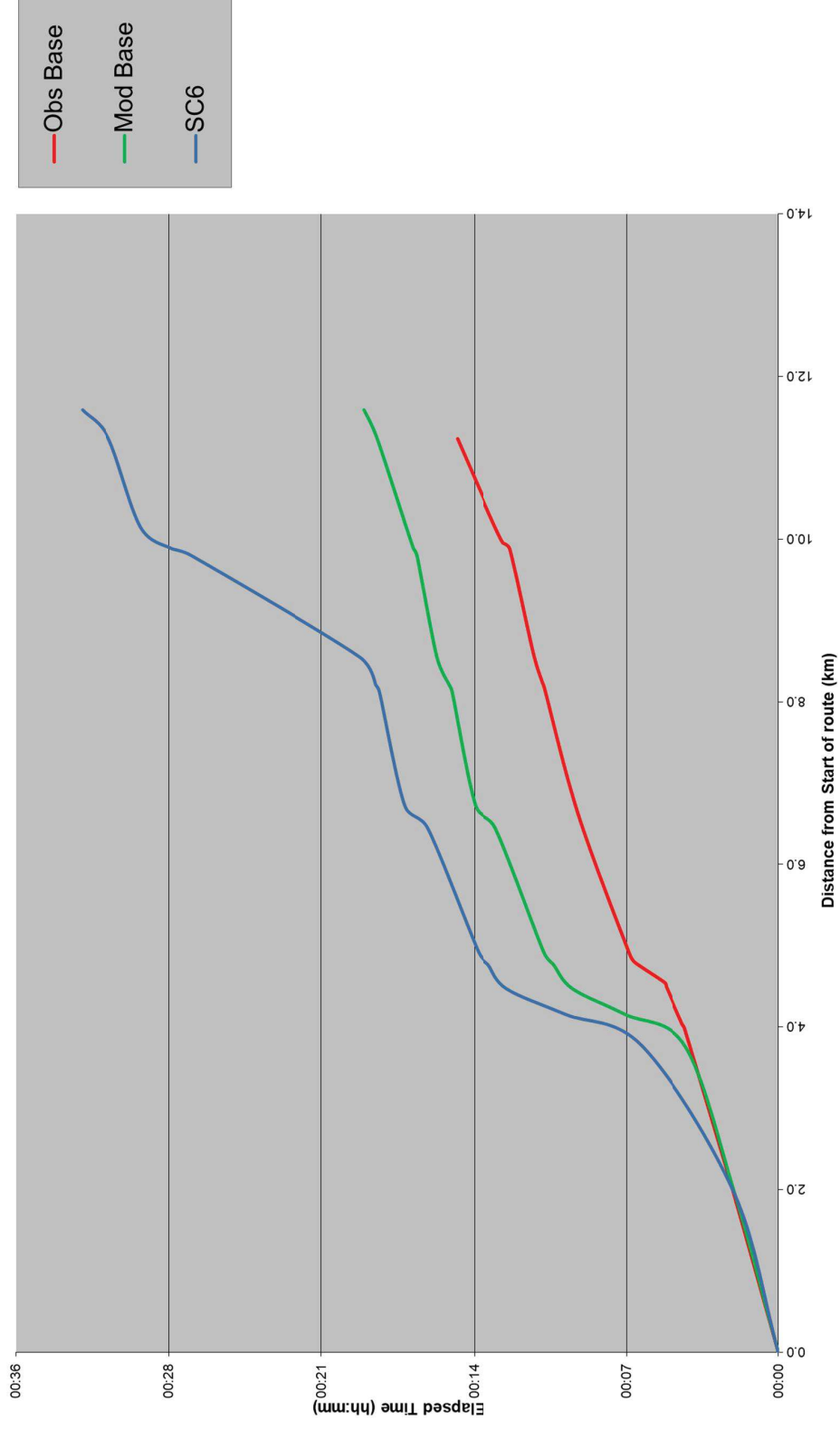
**Route 4 - Claines Roundabout, Worcester to Kidderminster via A449, A4535 and A442 - NB, PM peak**



**Route 4 - Claines Roundabout, Worcester to Kidderminster via A449, A4535 and A442 - SB, PM peak**

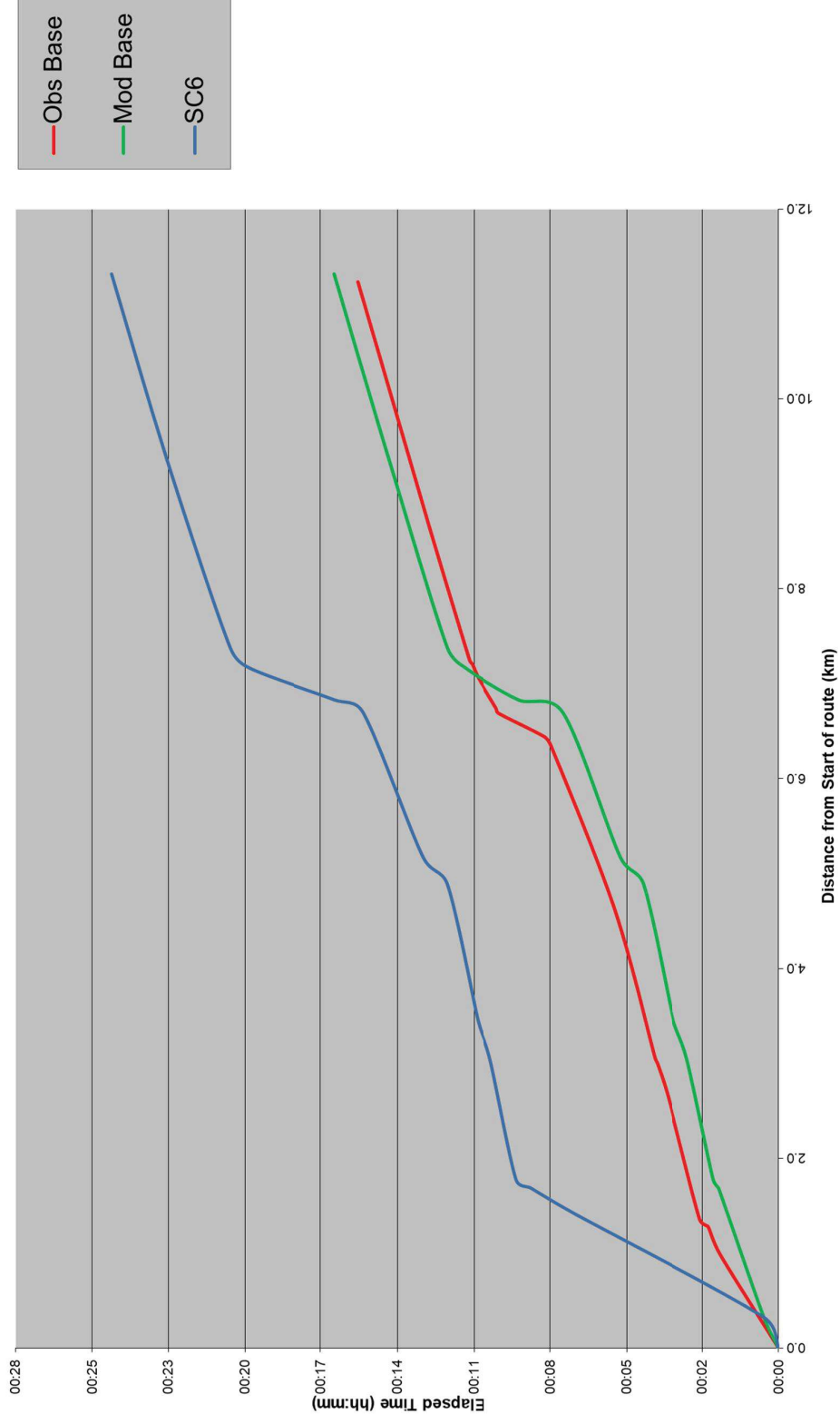


**Route 5 - Crossway Green to Bewdley via A4250, and B4195 - NB, PM peak**

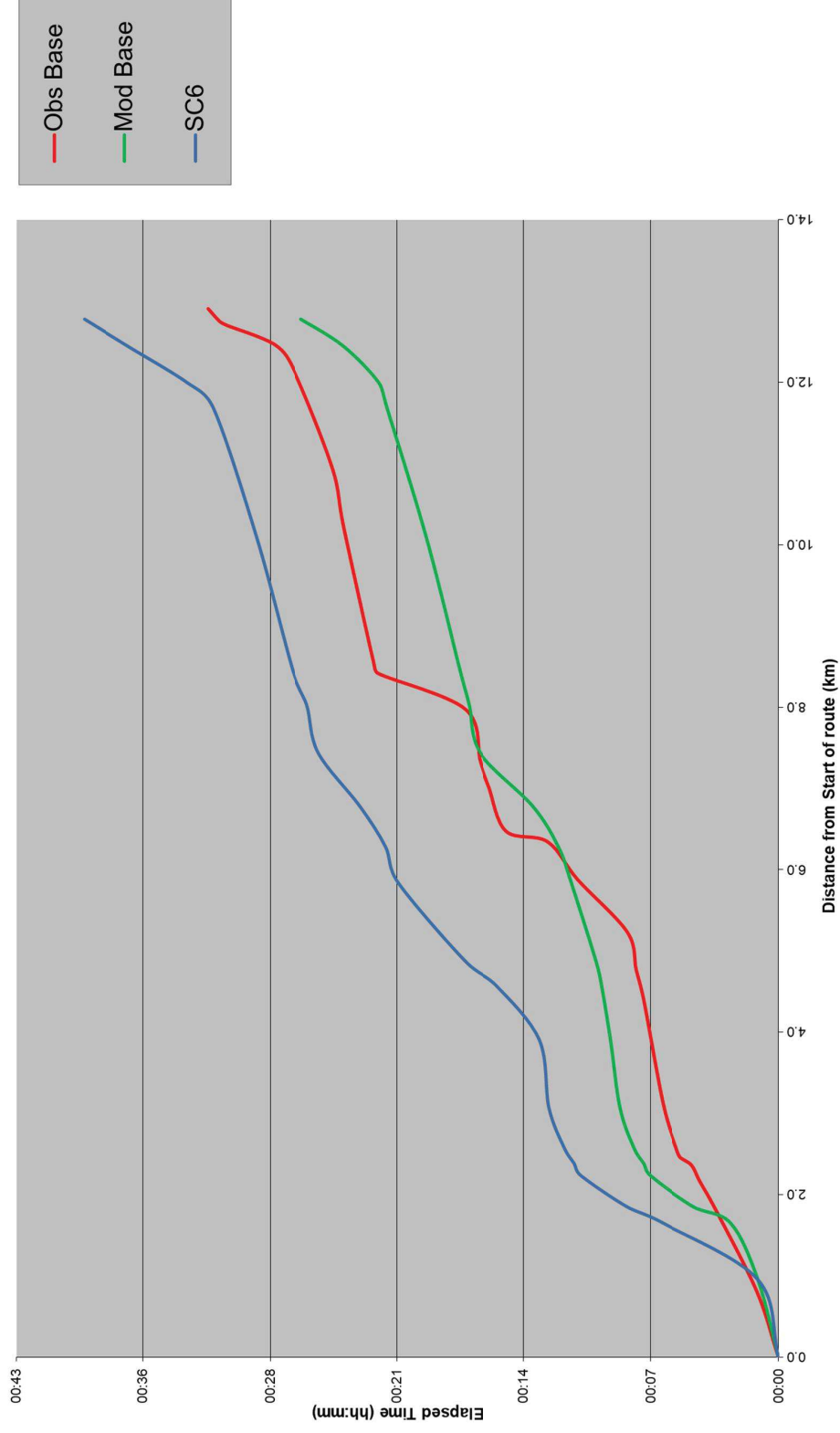




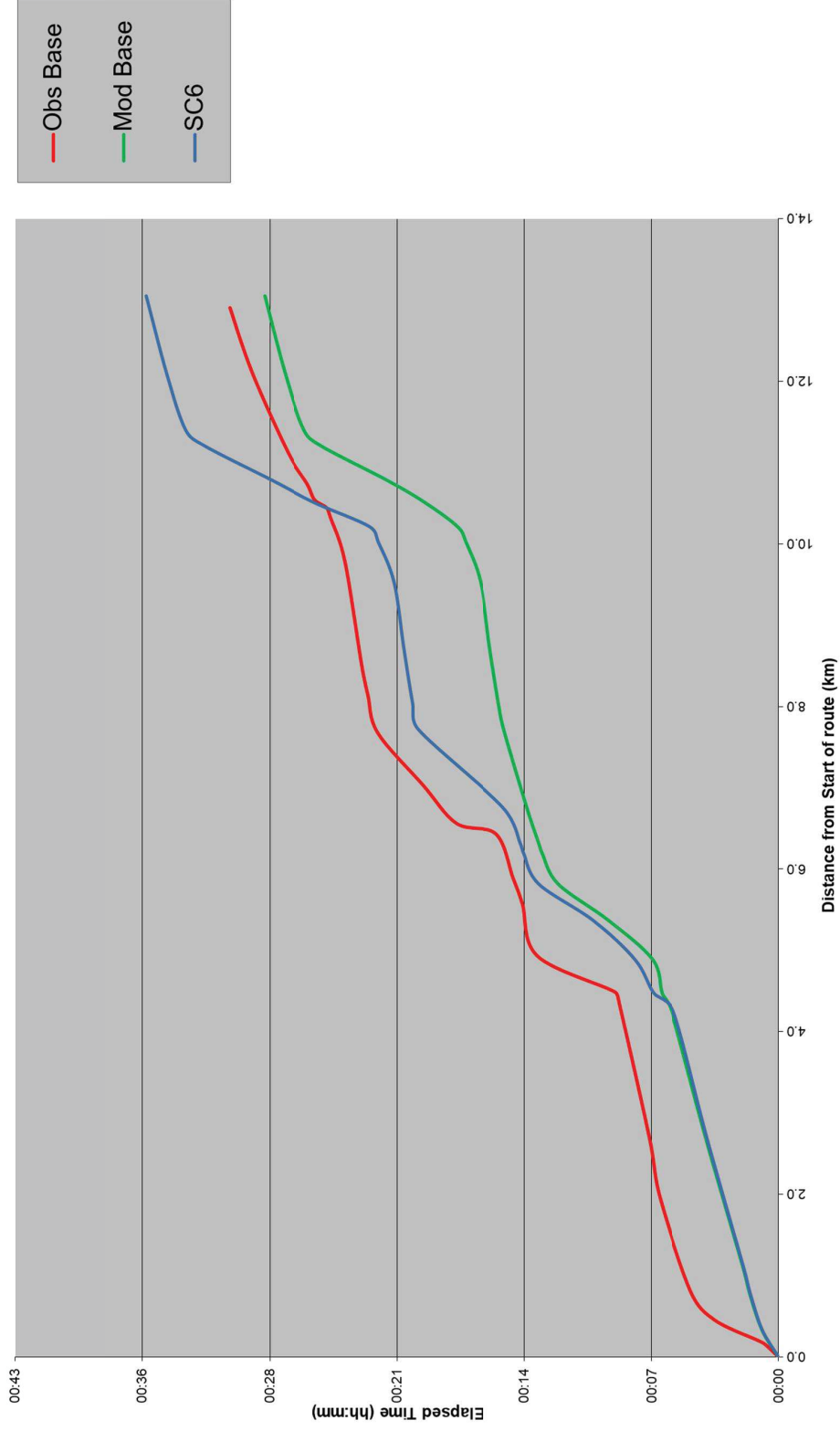
**Route 5 - Crossway Green to Bewdley via A4250, and B4195 - SB, PM peak**



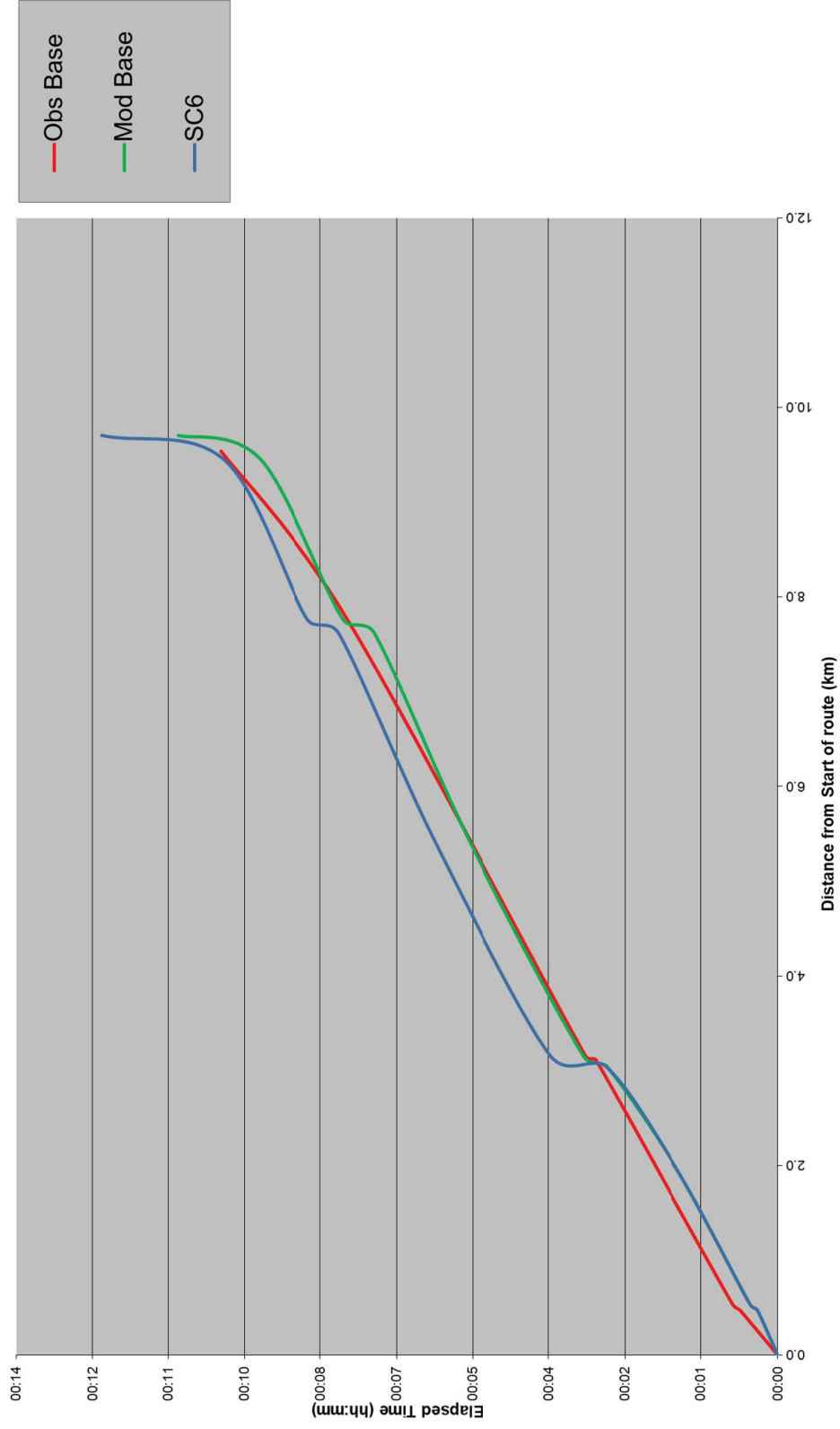
**Route 6 - Stourport to Kidderminster via A451 and Wilden Lane - CW, PM peak**



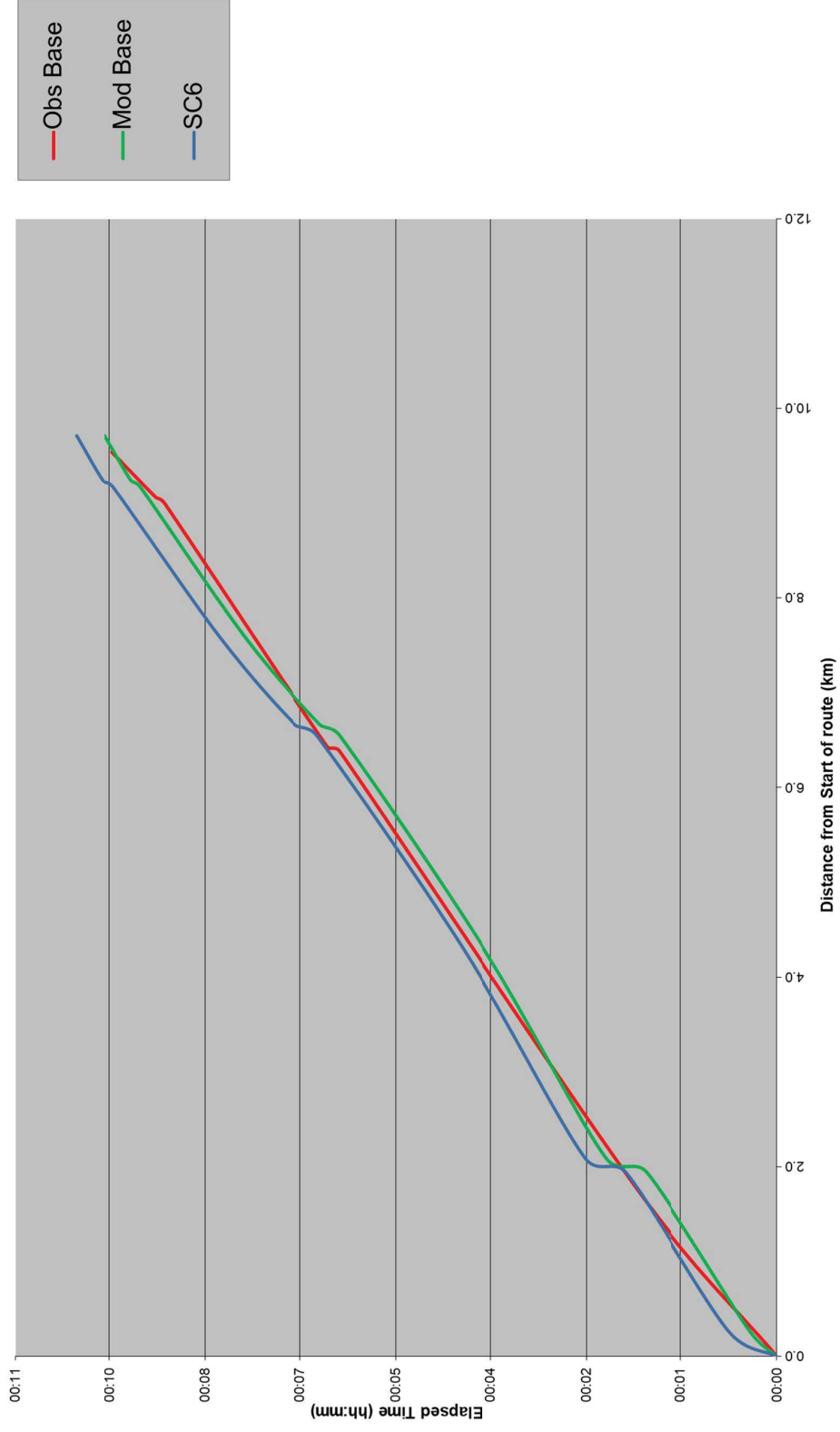
**Route 6 - Stourport to Kidderminster via A451 and Wilden Lane - ACW, PM peak**



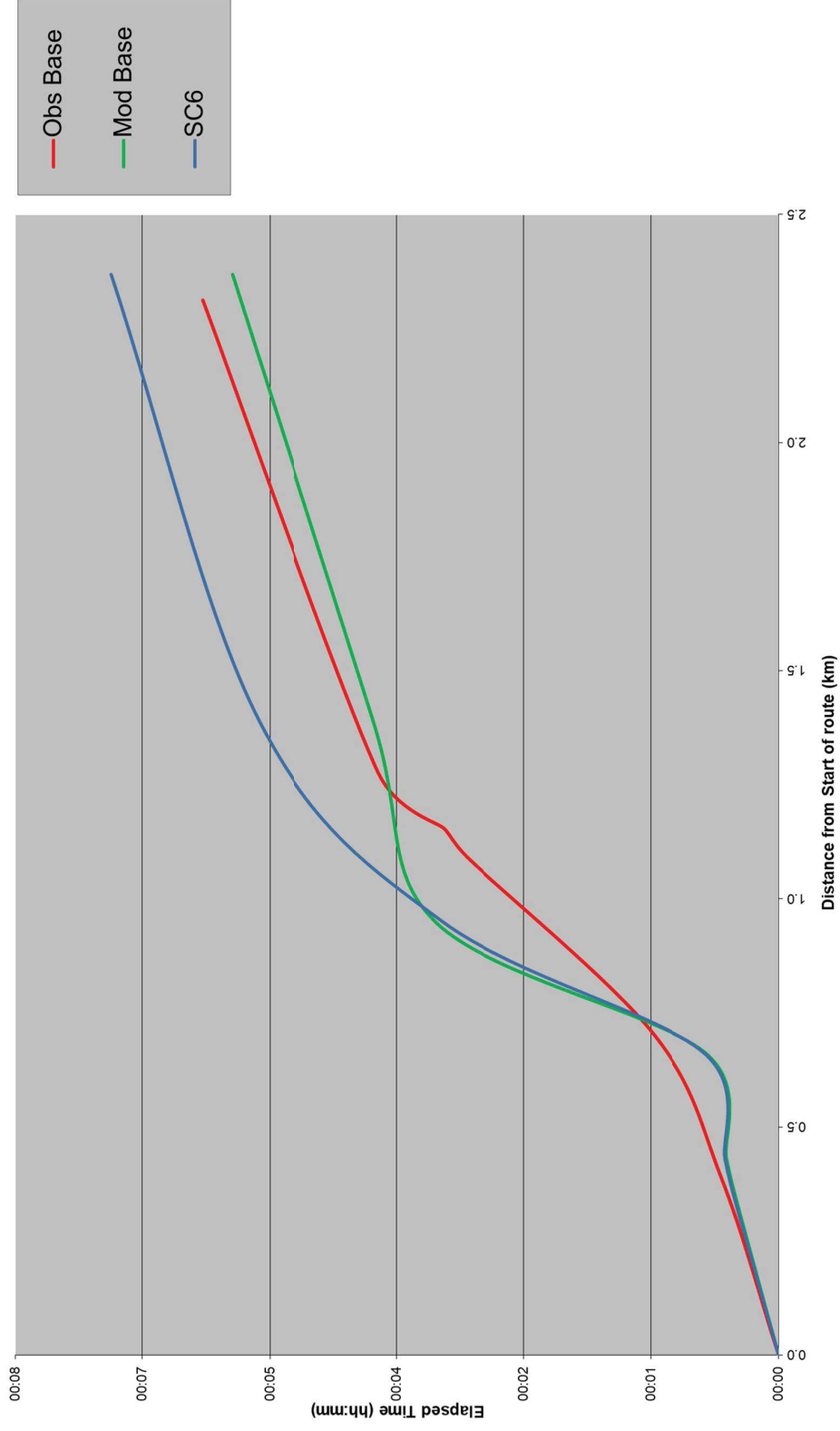
**Route 7 - A449 to A456 via A450 - NB, PM peak**



**Route 7 - A449 to A456 via A450 - SB, PM peak**



**Route 8 - A449 Chester Road North to Mason Road via A456 Ringway - EB, PM peak**





**Route 8 - A449 Chester Road North to Mason Road via A456 Ringway - WB, PM peak**

