

Appendix E. Journey Time Routes

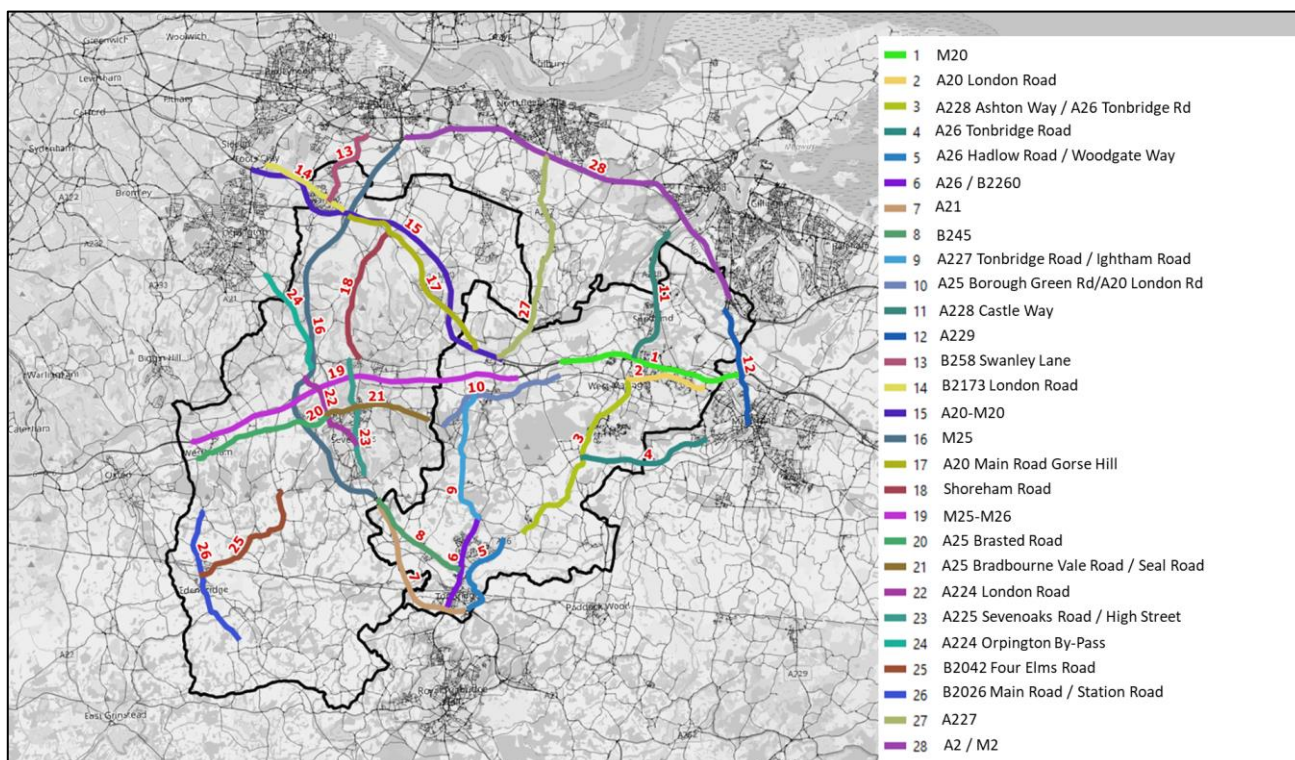
Overview of All Journey Time Routes

The figure below shows all the routes analysed for this study. The details for each route are presented in the following sections of this Appendix.

Routes 1 to 12 are within Tonbridge and Malling Borough.

Routes 12 to 26 are within Sevenoaks District.

Routes 27 and 28 are external routes.



Journey Time Routes – Tonbridge and Malling and Sevenoaks

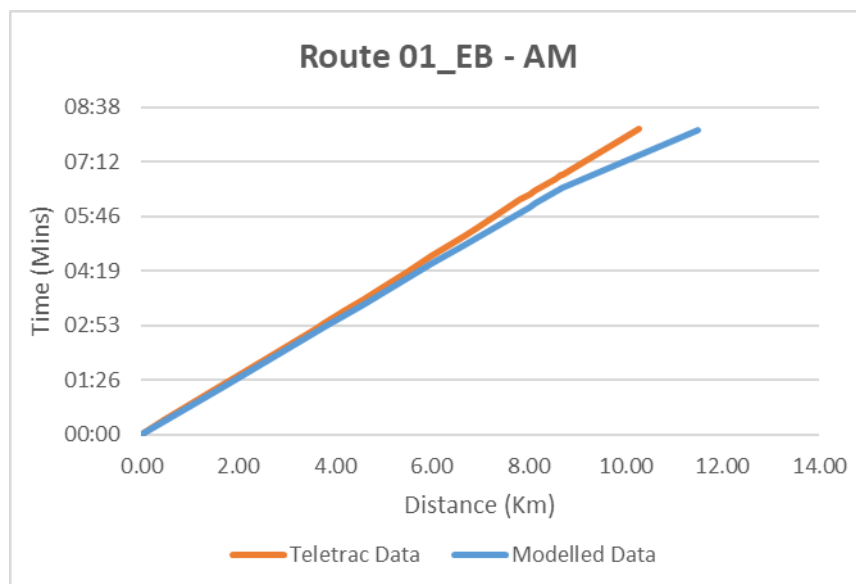
Journey Time 'Route 1'

Journey route 1 is around 11km long via M20 between M26 and A229:

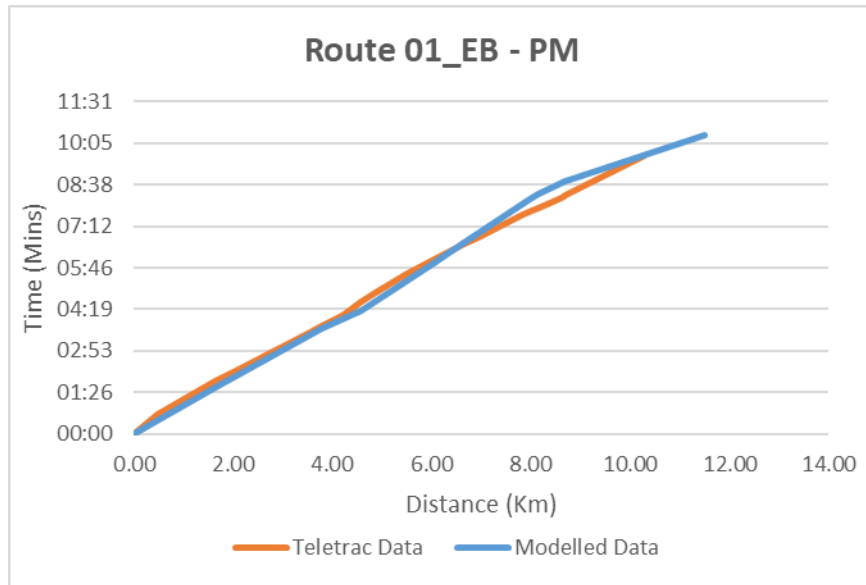


JT Route no. 1 in Tonbridge & Malling

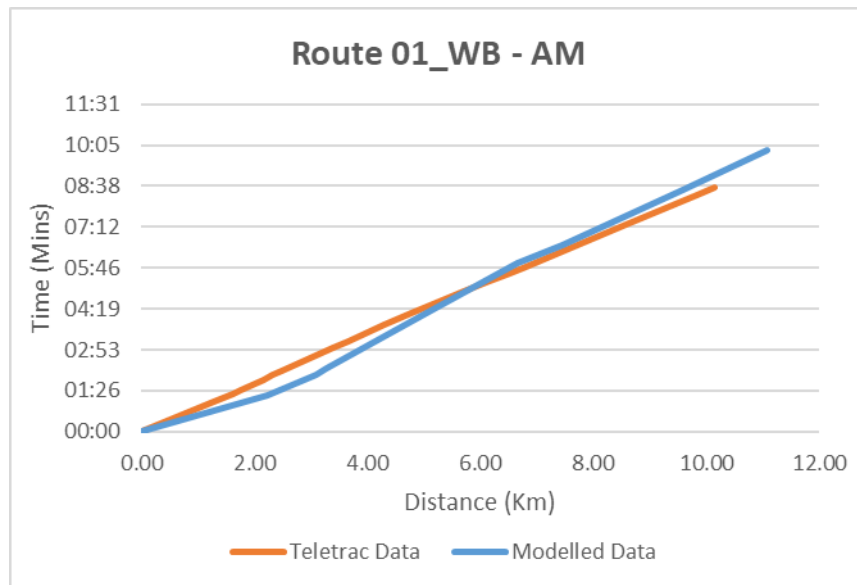
The route passed the criteria for both directions when compared to the observed data in PM peak. The range of difference is between 0% to 15% in the AM peak, and -5% to 8% in the PM peak. The journey time route profile for each peak period in each direction are shown in the graphs below:



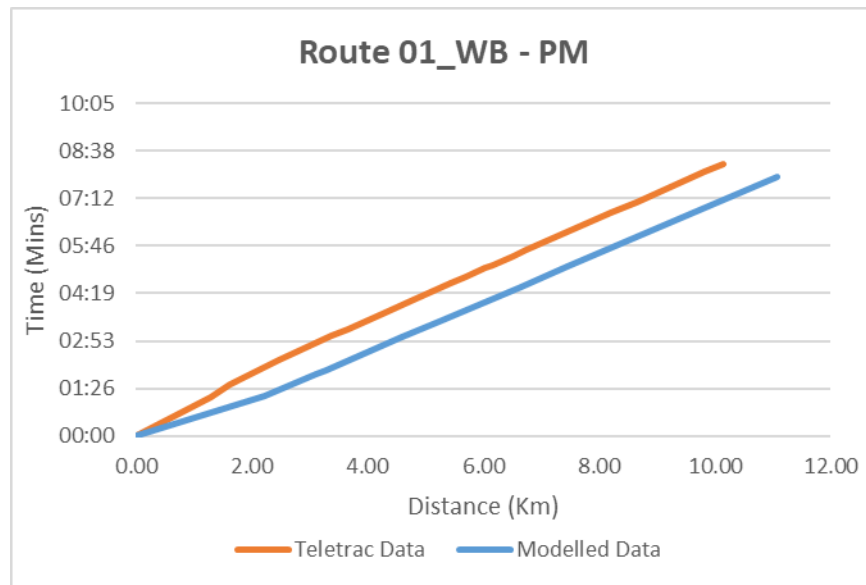
JT Route no. 1: AM Peak - EB Direction



JT Route no. 1: PM Peak - EB Direction



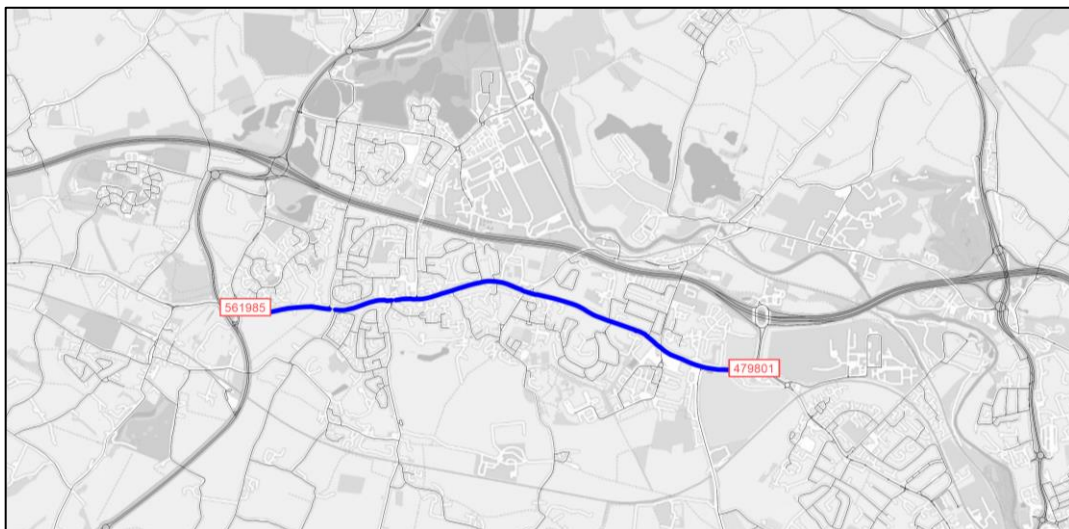
JT Route no. 1: AM Peak - WB Direction



JT Route no. 1: PM Peak - WB Direction

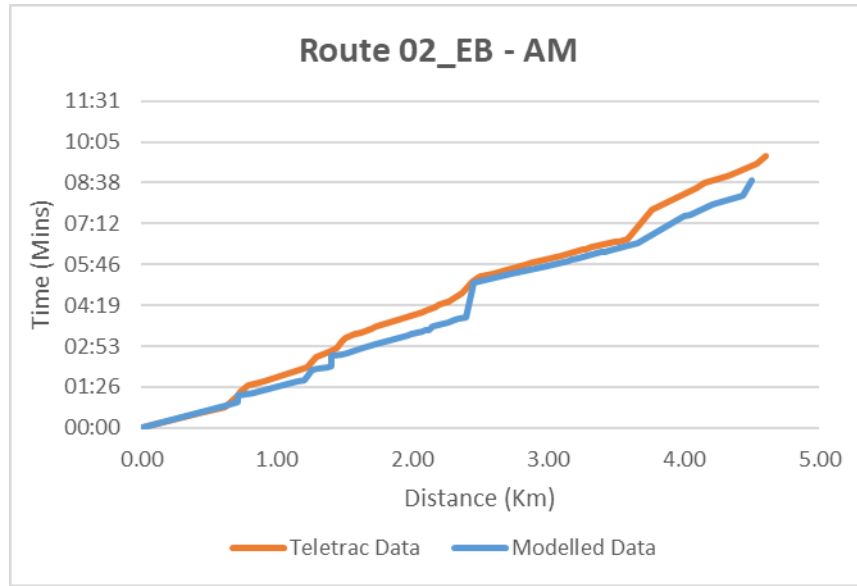
Journey Time 'Route 2'

Journey route 2 is around 5km long via A20 between the A228 – A20 intersection and Coldharbour roundabout. JT route 2 is shown below:

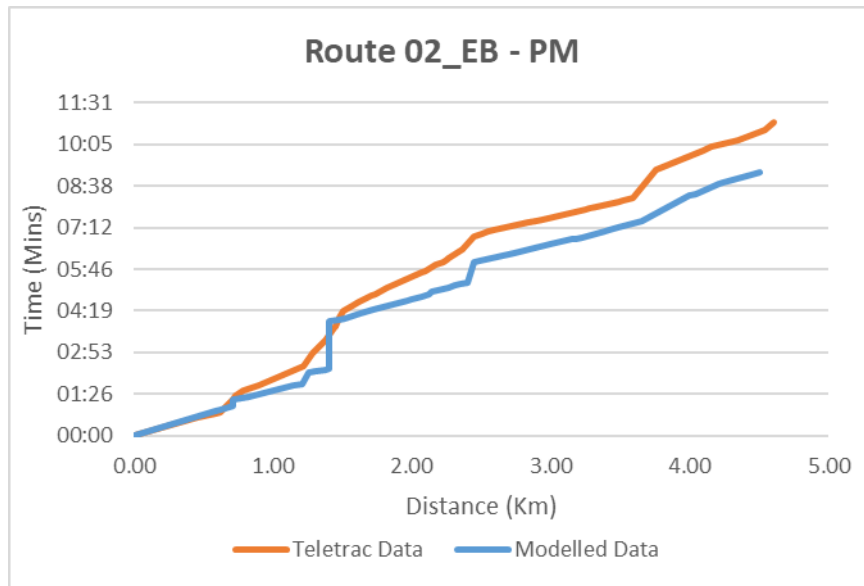


JT Route no. 2 in Tonbridge & Malling

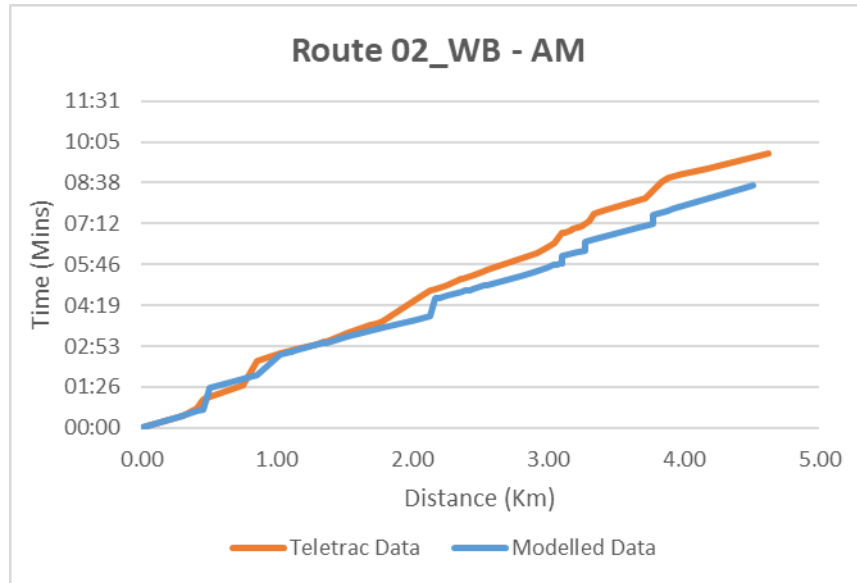
The route passed the criteria for both directions in AM peak, with the range of difference being between -12% to -9%. In PM peak, the route passed the criteria for Westbound direction (5% difference) but didn't for Eastbound direction (-16%). Journey time route profile for each peak period in each direction are shown in the graphs below:



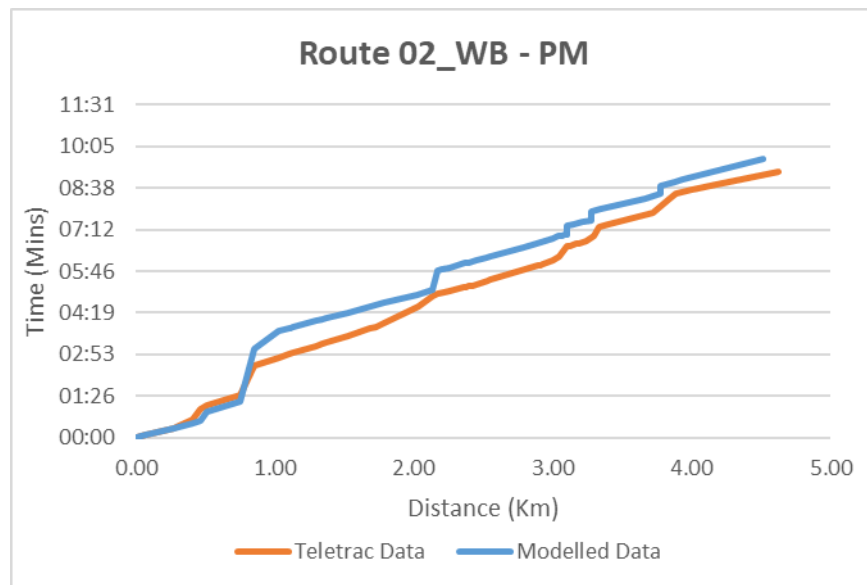
JT Route no. 2: AM Peak - EB Direction



JT Route no. 2: PM Peak - EB Direction



JT Route no. 2: AM Peak - WB Direction



JT Route no. 2: PM Peak - WB Direction

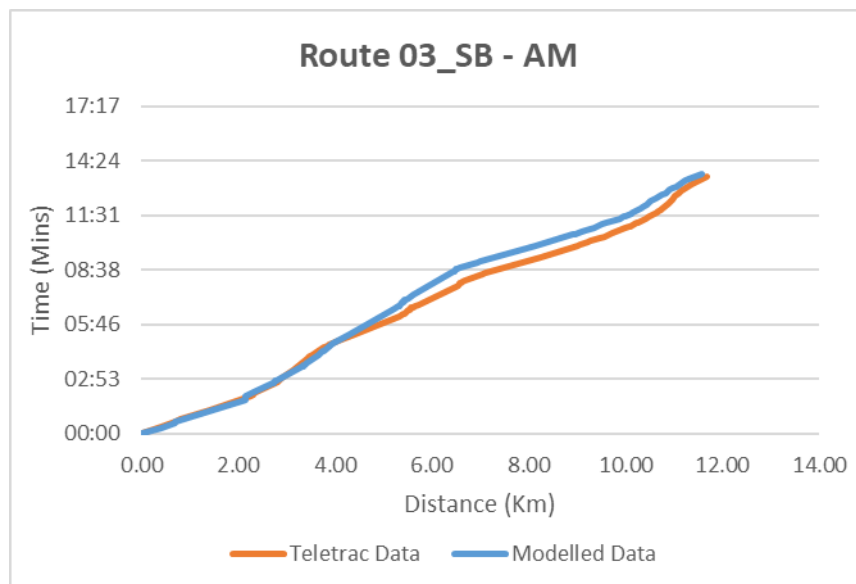
Journey Time 'Route 3'

Journey route 3 is around 12km long via A228/A26 between A20 and Hadlow. JT route no. 3 is shown below:

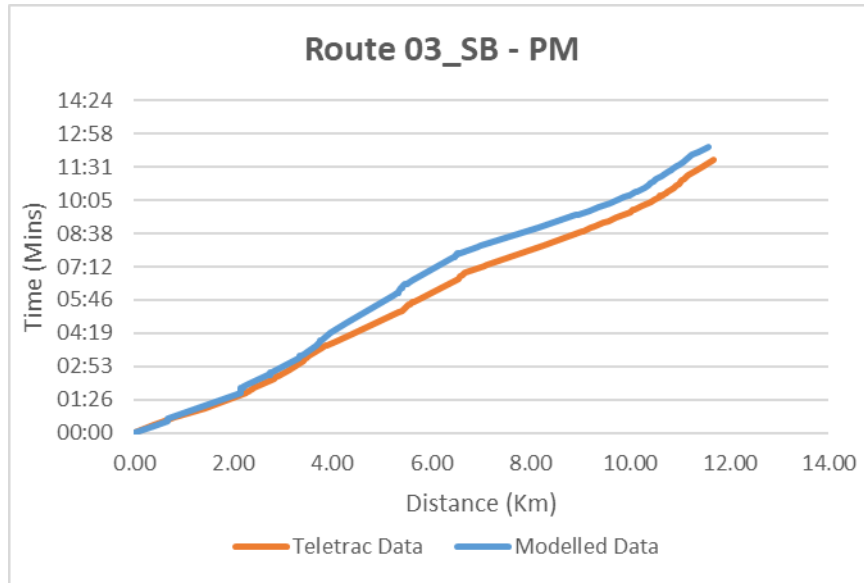


JT Route no. 3 in Tonbridge & Malling

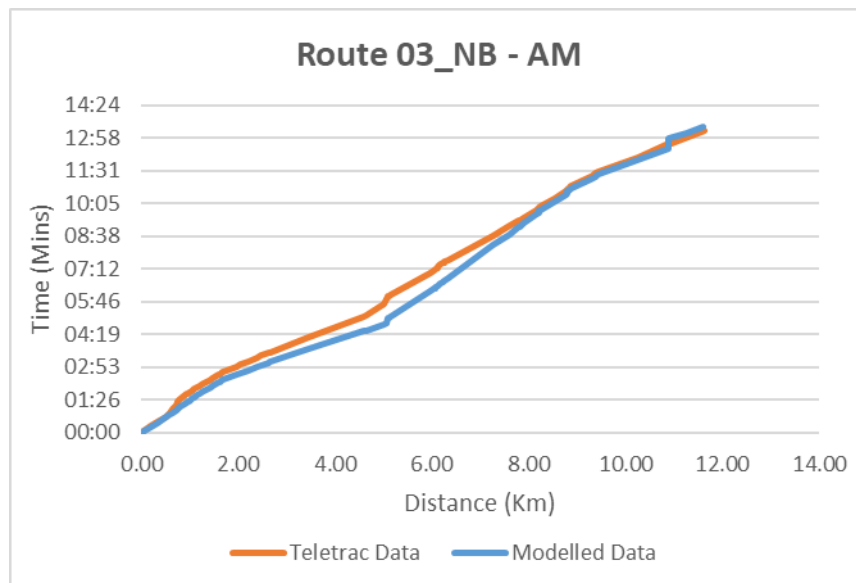
The route passed the criteria for both directions. The range of difference is of 1% in the AM peak and 5% to 8% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



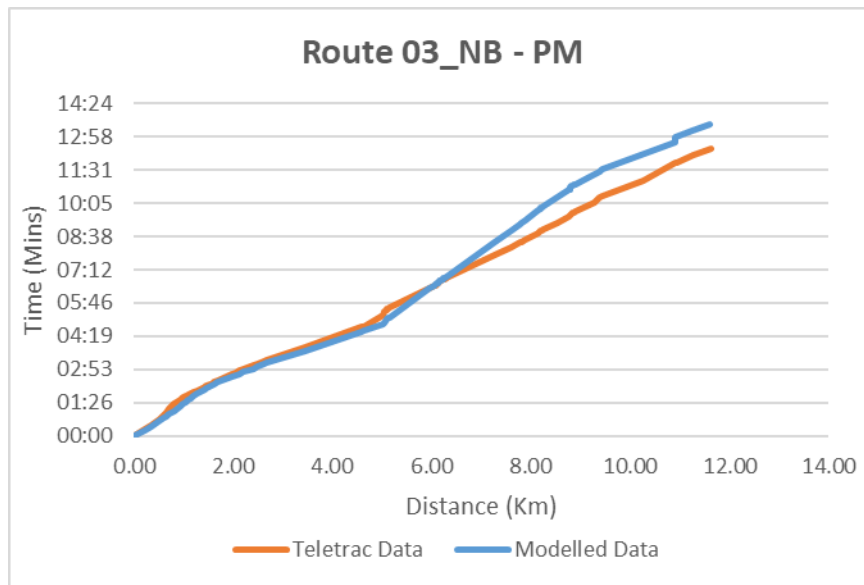
JT Route no. 3: AM Peak - SB Direction



JT Route no. 3: PM Peak - SB Direction



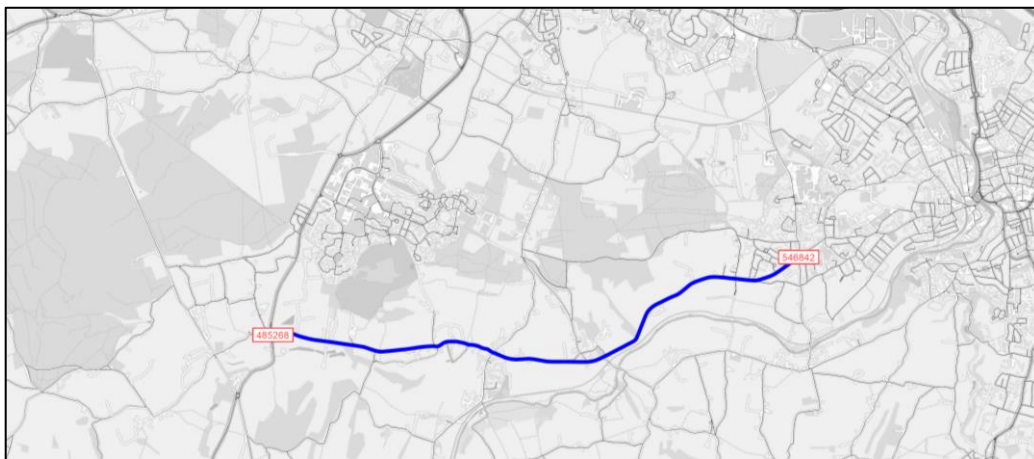
JT Route no. 3: AM Peak - NB Direction



JT Route no. 3: PM Peak - NB Direction

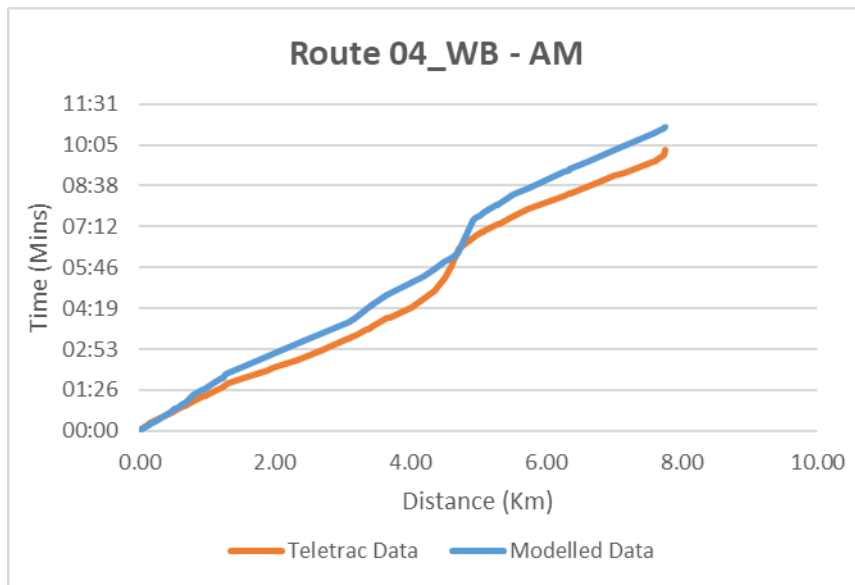
Journey Time 'Route 4'

Journey Time route no. 4 is around 8km long and goes via A26. The route runs along Tonbridge Road between A228 Malling Road and B2246 Fountain Lane. JT route no. 4 is shown below:

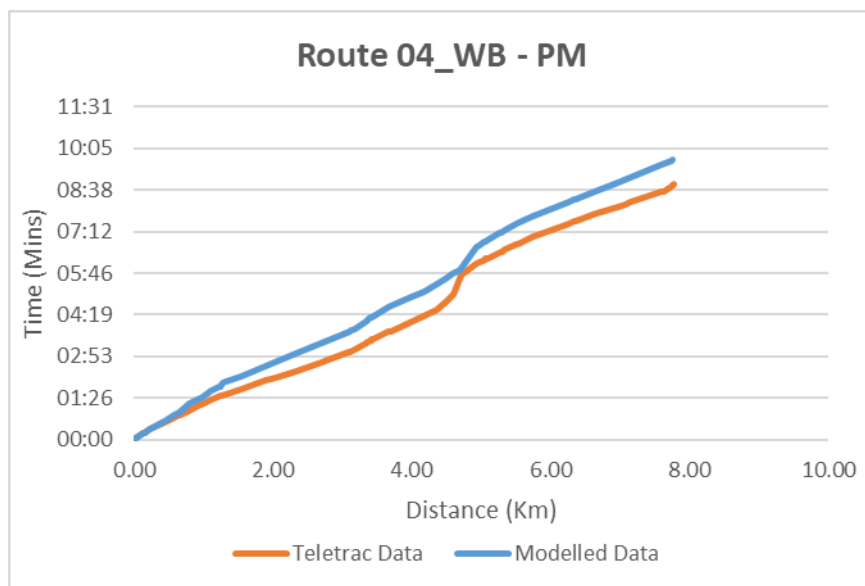


JT Route no. 4 in Tonbridge & Malling

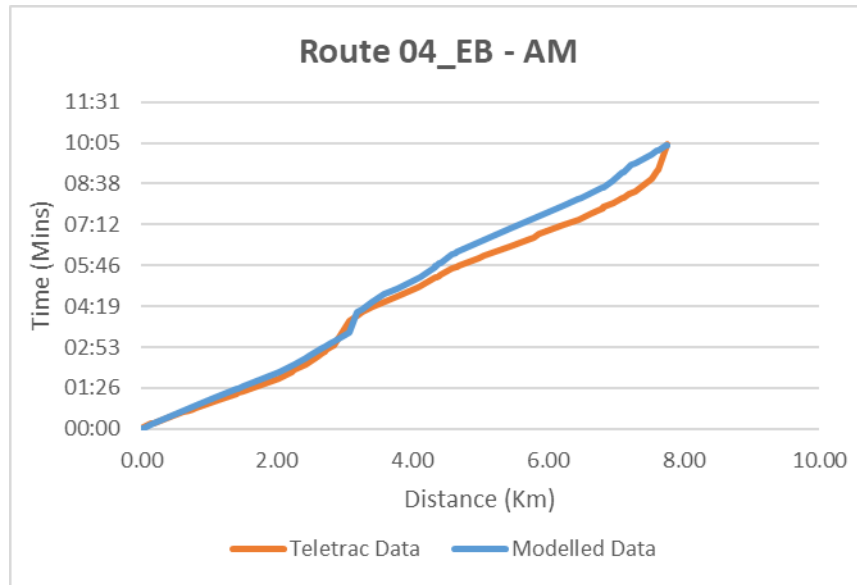
The route passed the criteria for both directions in AM peak, with the range of difference being between 0% to 8%. In PM peak, the route passed the criteria for Westbound direction (10% difference) but didn't for Eastbound direction (-20%). Journey time route profile for each peak period in each direction are shown in the graphs below:



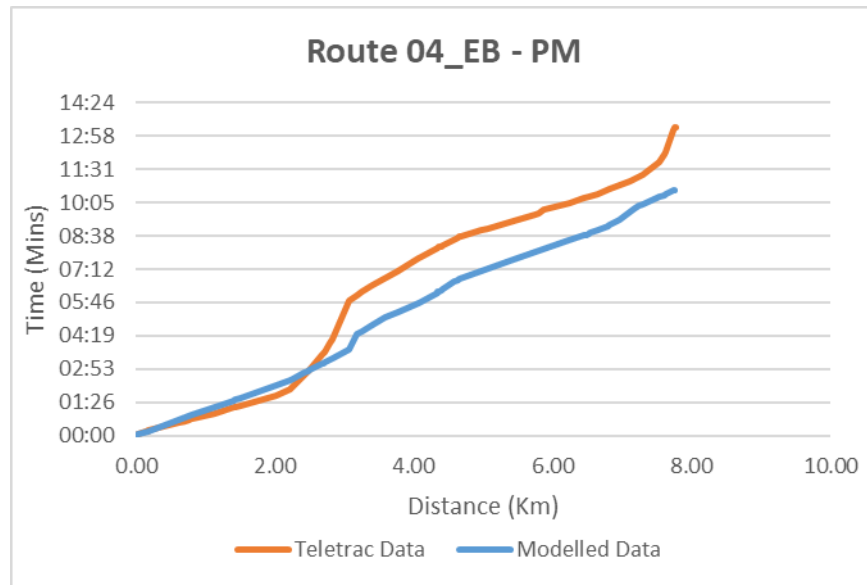
JT Route no. 4: AM Peak - WB Direction



JT Route no. 4: PM peak - WB Direction



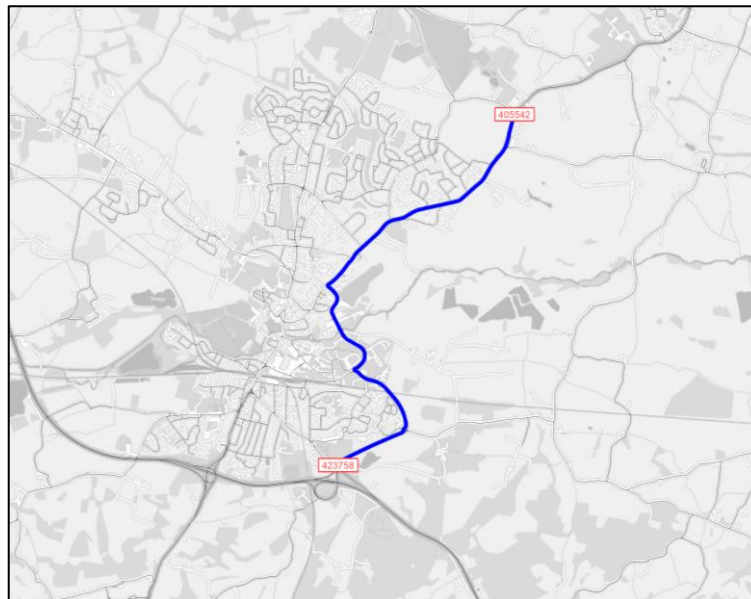
JT Route no. 4: AM Peak - EB Direction



JT Route no. 4: PM Peak - EB Direction

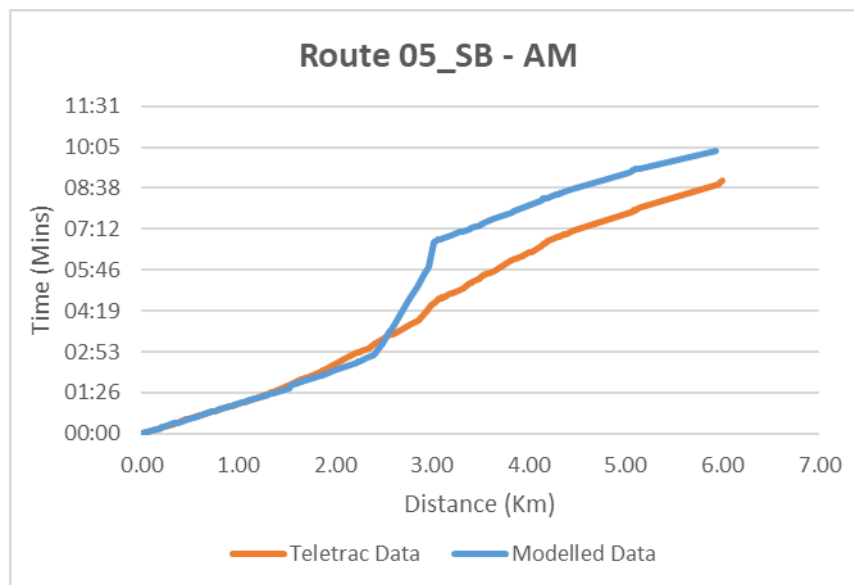
Journey Time 'Route 5'

Journey Time route no. 5 is around 6km long and goes via A26 road. The route runs between the intersection with Cuckoo Lane and A2014 Pembury Road in Tonbridge. JT route no. 5 is shown below:

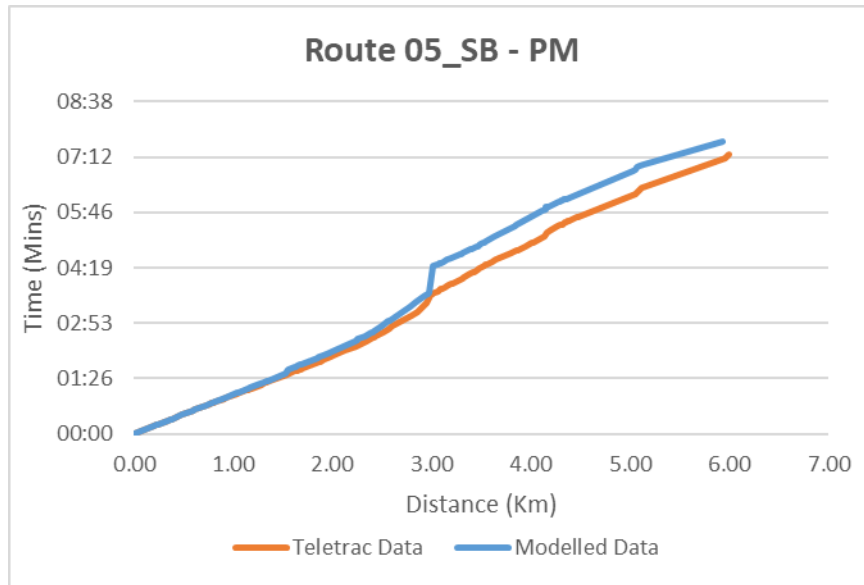


JT Route no. 5 in Tonbridge & Malling

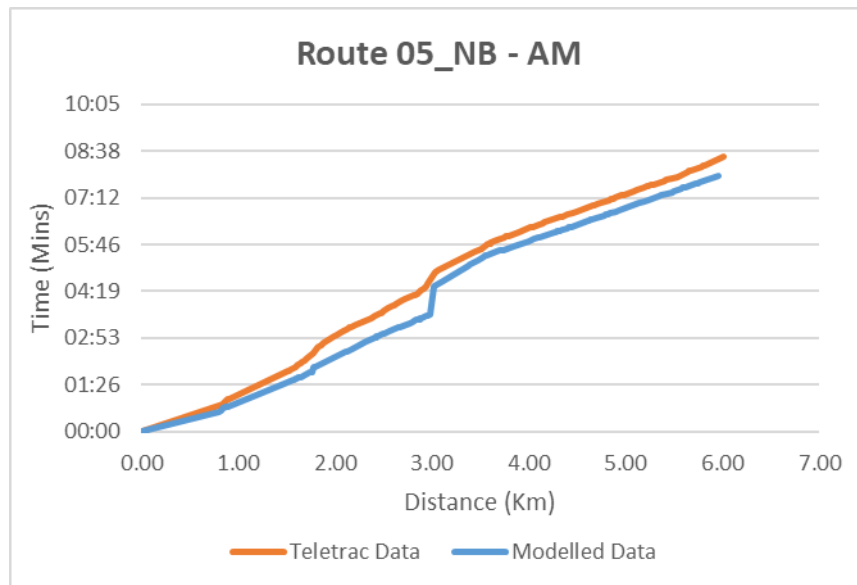
The route passed the criteria for both directions in AM peak, with the range of difference being between -7% to 12%. In PM peak, the route passed the criteria for Southbound direction (4% difference) but didn't for Northbound direction (18%). Journey time route profile for each peak period in each direction are shown in the graphs below:



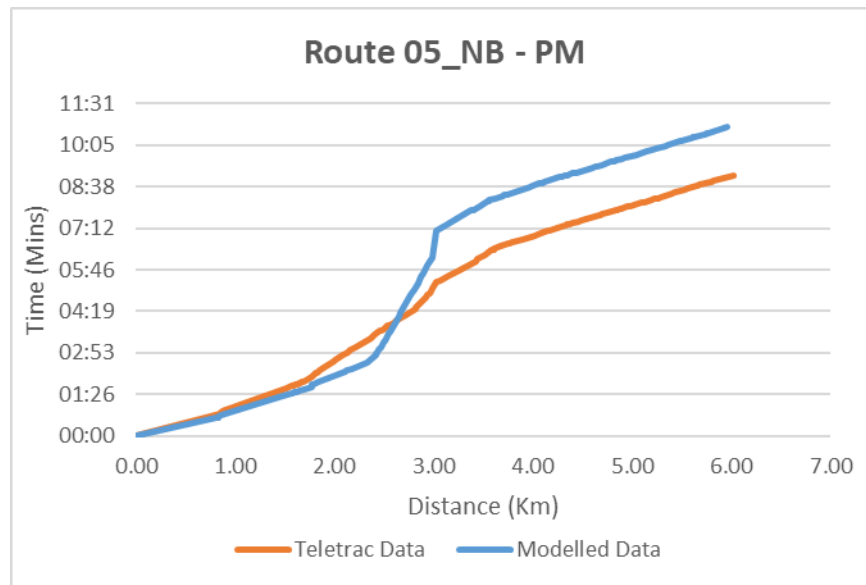
JT Route no. 5: AM Peak - SB Direction



JT Route no. 5: PM Peak - SB Direction



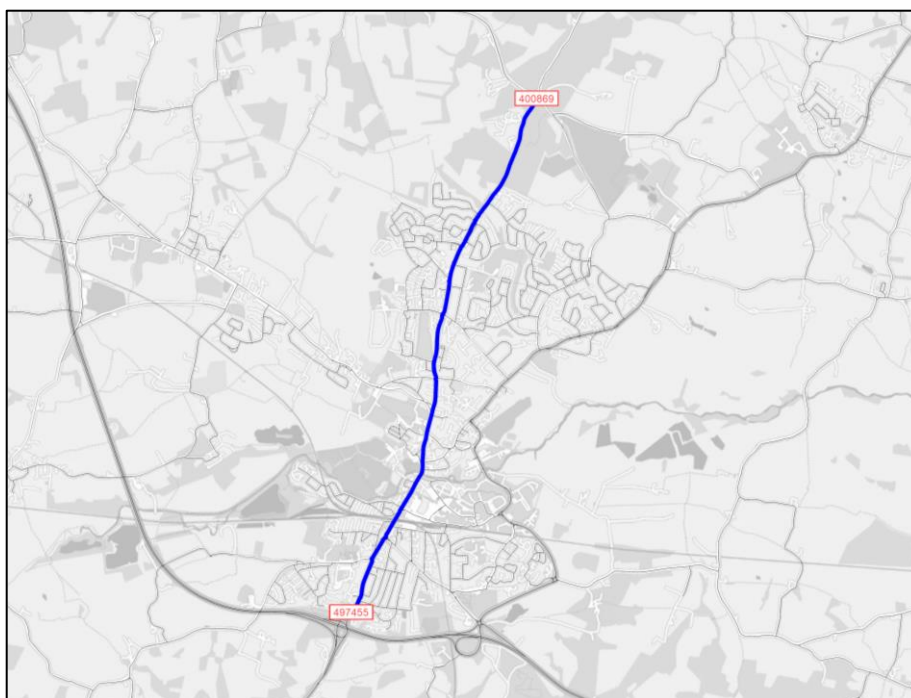
JT Route no. 5: AM Peak - NB Direction



JT Route no. 5: PM Peak - NB Direction

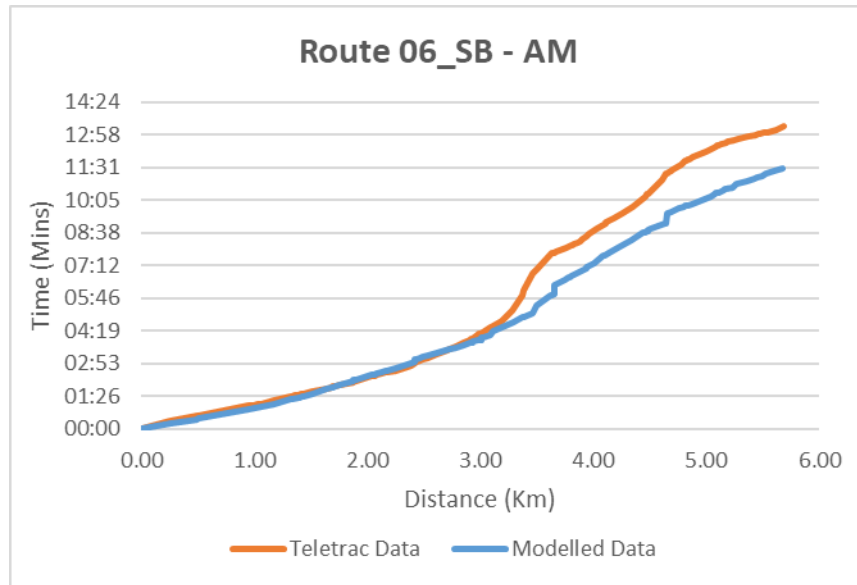
Journey Time 'Route 6'

Journey route 6 is around 6km long route via Shipbourne Road in Tonbridge, between Higham Lane/Puttenden Road junction and the intersection with A21 south of Tonbridge. JT route no. 6 is shown below:

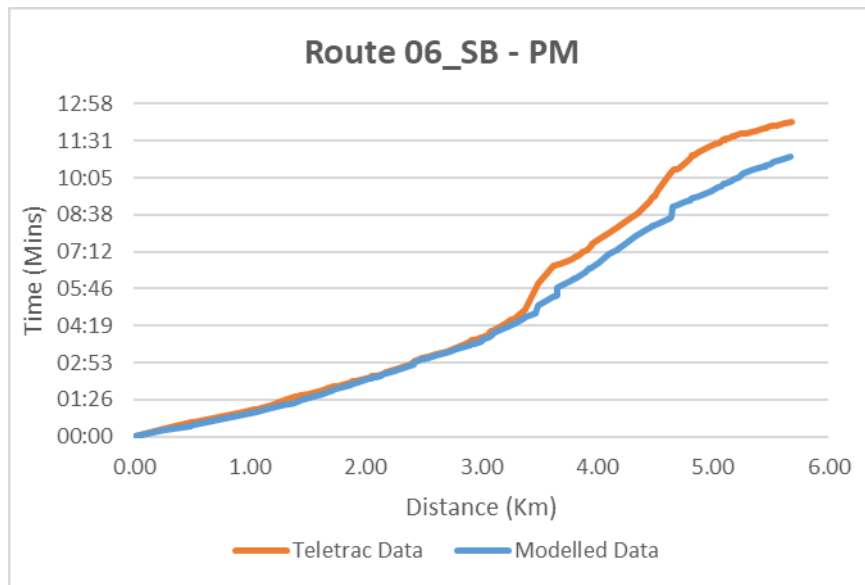


JT Route no. 6 in Tonbridge & Malling

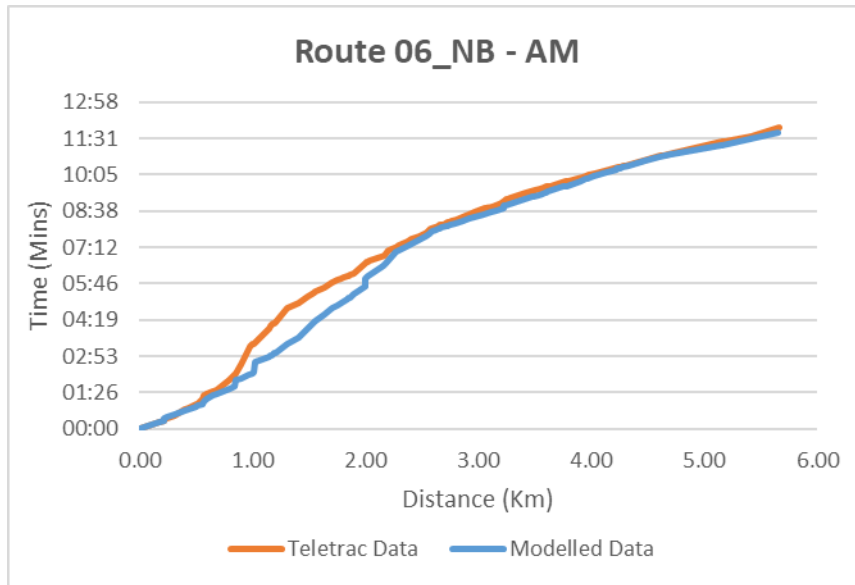
The route passed the criteria for both directions. The range of difference is between -14% to -2% in the AM peak and -11% to -6% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



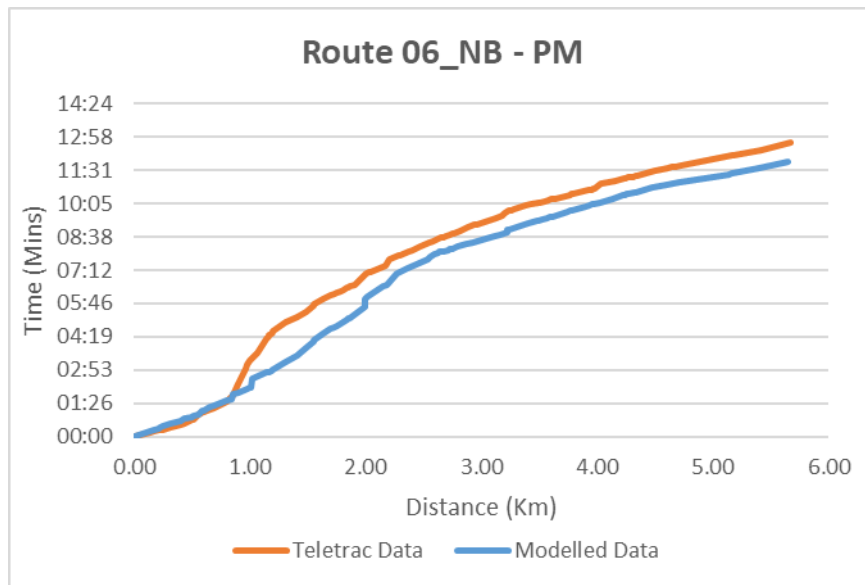
JT Route no. 6: AM Peak - SB Direction



JT Route no. 6: PM Peak - SB Direction



JT Route no. 6: AM Peak - NB Direction



JT Route no. 6: PM Peak - NB Direction

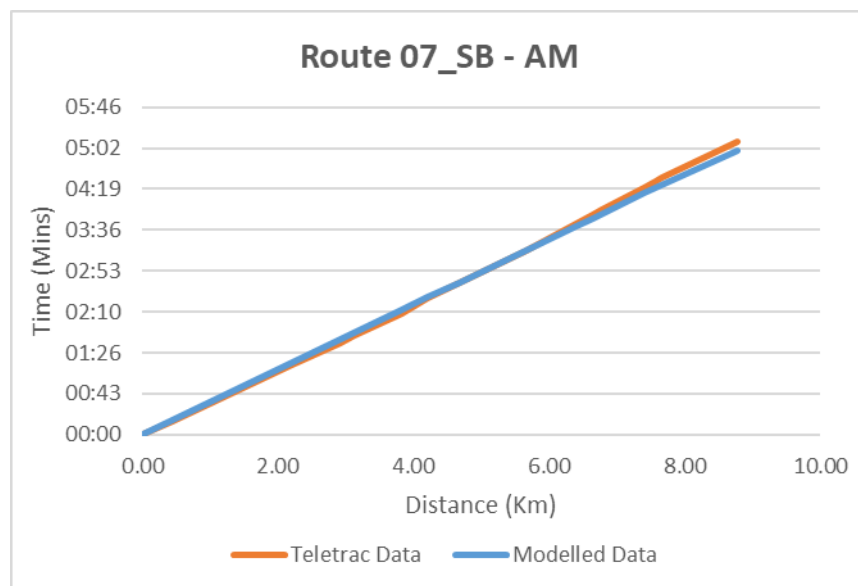
Journey Time 'Route 7'

Journey Time route no. 7 is around 9km long and goes via A21 – Tonbridge Bypass. The route is between Morleys Roundabout and A21 and the intersection with A26. JT route no. 7 is shown below:

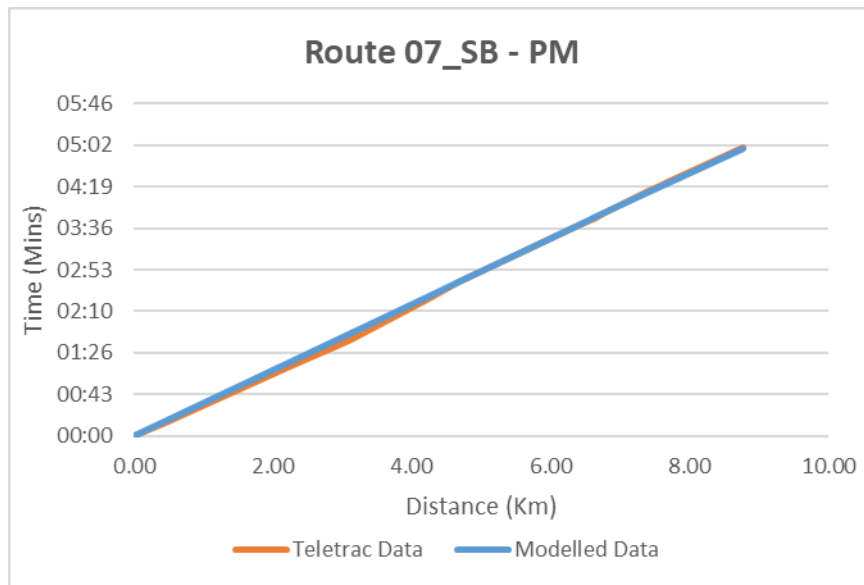


JT Route no. 7 in Tonbridge & Malling

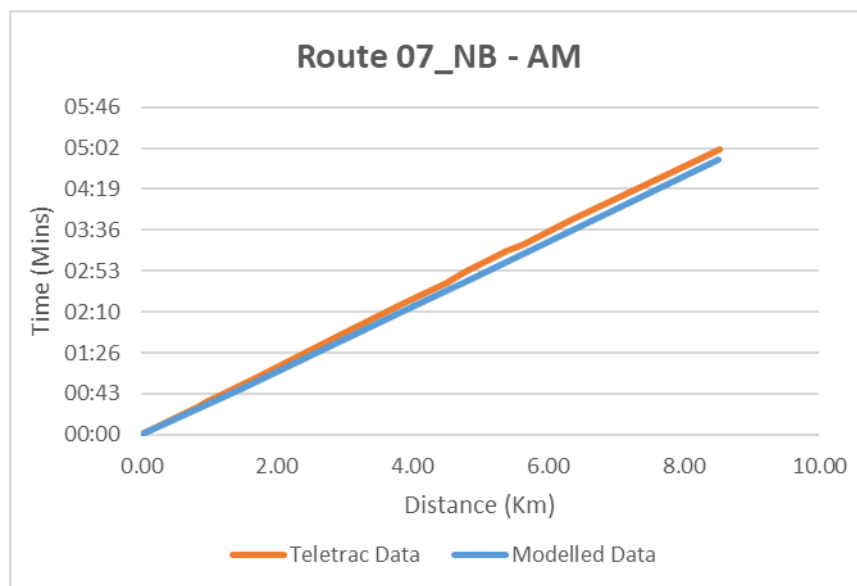
The route passed the criteria for both directions. The range of difference is between -4% to -3% in the AM peak and -6% to -1% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



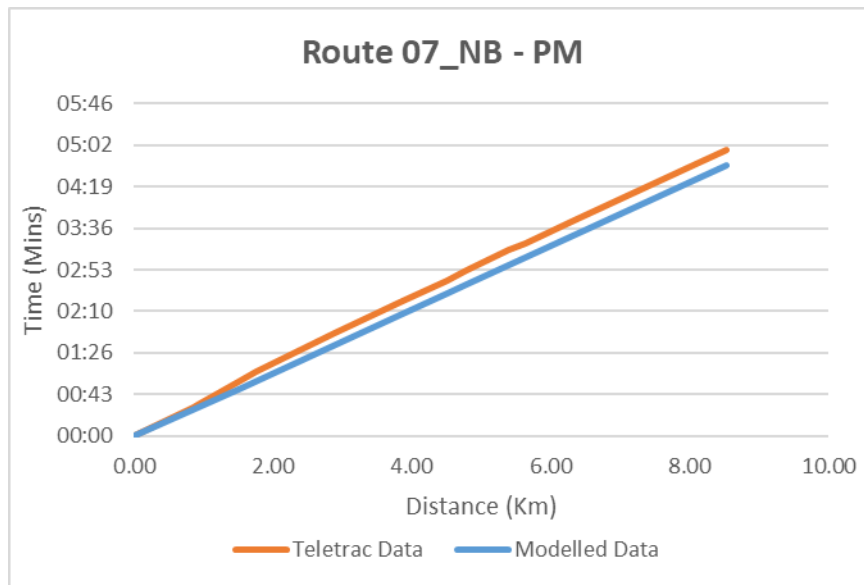
JT Route no. 7: AM Peak - SB Direction



JT Route no. 7: PM Peak - SB Direction



JT Route no. 7: AM Peak - NB Direction



JT Route no. 7: PM Peak - NB Direction

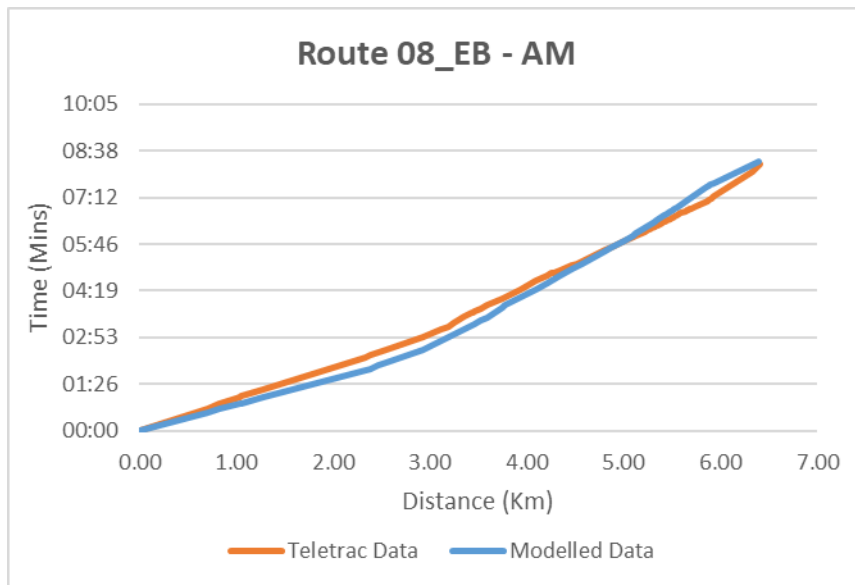
Journey Time 'Route 8'

Journey route 8 is around 6km long via B245 between Morleys Roundabout A227 Shipbourne Road in Tonbridge. JT route no. 8 is shown below:

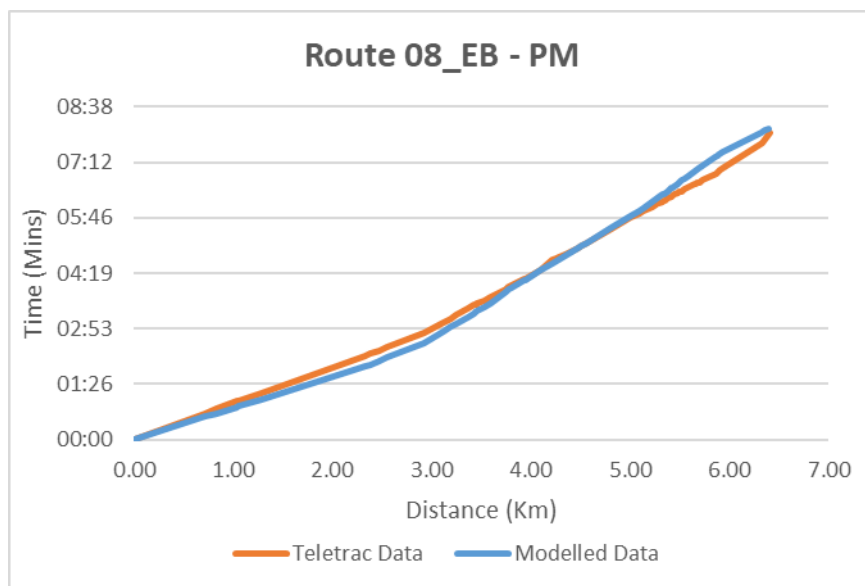


JT Route no. 8 in Tonbridge & Malling

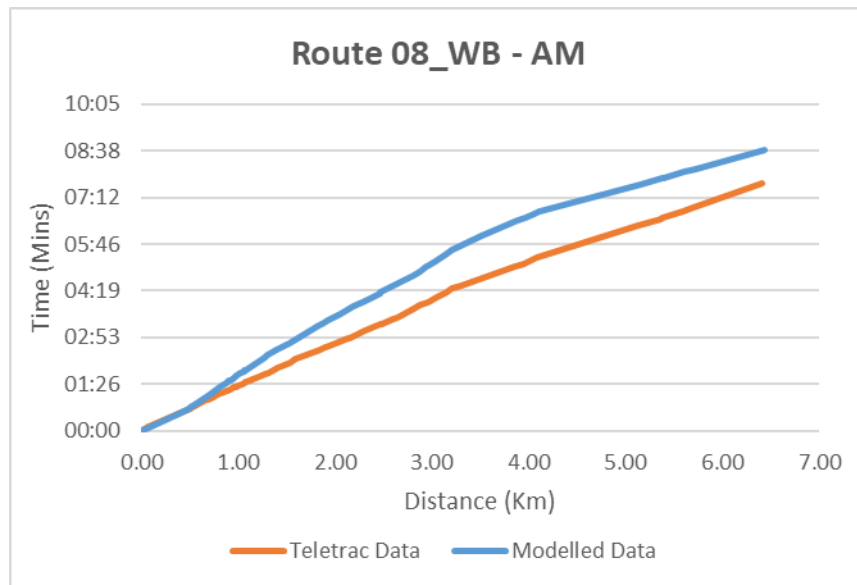
The route passed the criteria for both directions. The range of difference is between 1% to 14% in the AM peak and 1% to 9% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



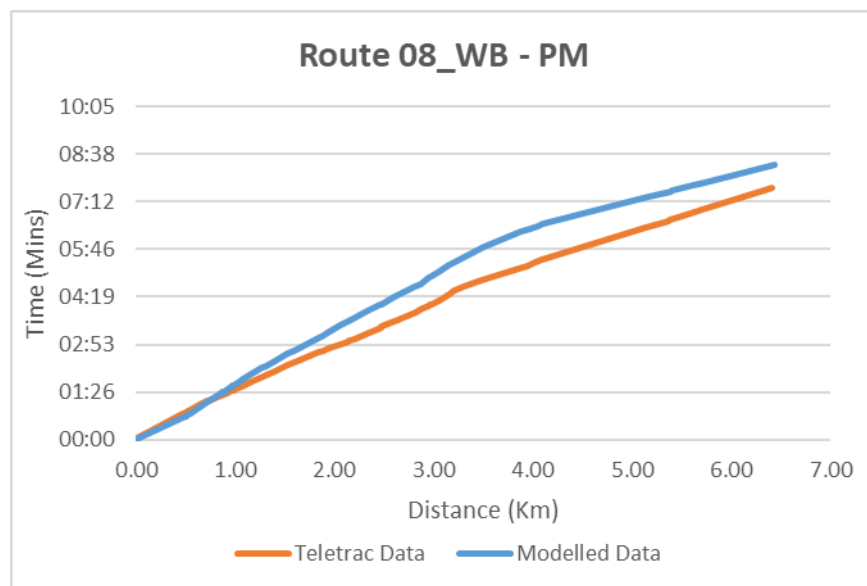
JT Route no. 8: AM Peak - EB Direction



JT Route no. 8: PM Peak - EB Direction



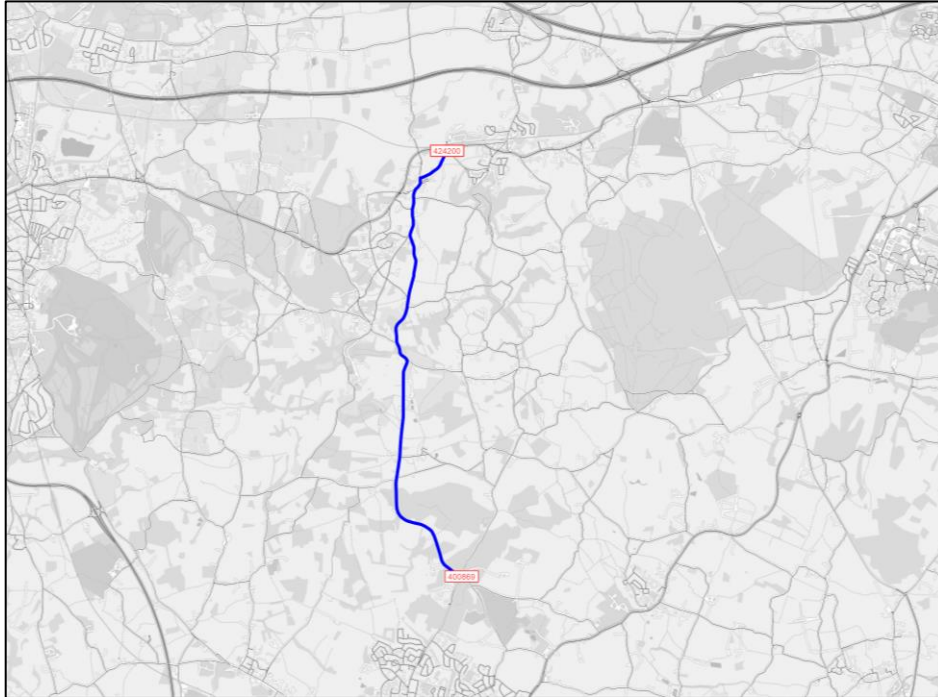
JT Route no. 8: AM Peak – WB Direction



JT Route no. 8: PM Peak - WB Direction

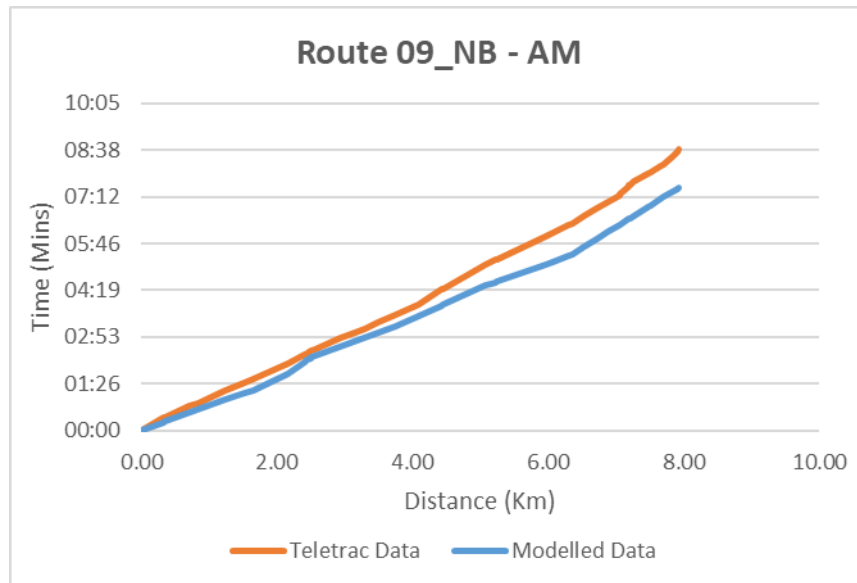
Journey Time 'Route 9'

Journey route 9 is around 8km long route via A227 between A25 – A227 intersection and A227/Puttenden Road/Higham Lane intersection. JT route no. 9 is shown below:

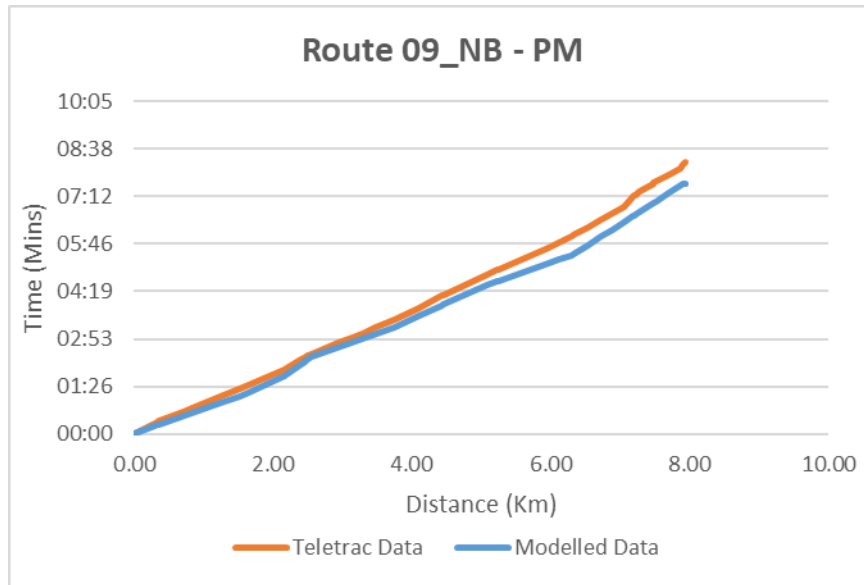


JT Route no. 9 in Tonbridge & Malling

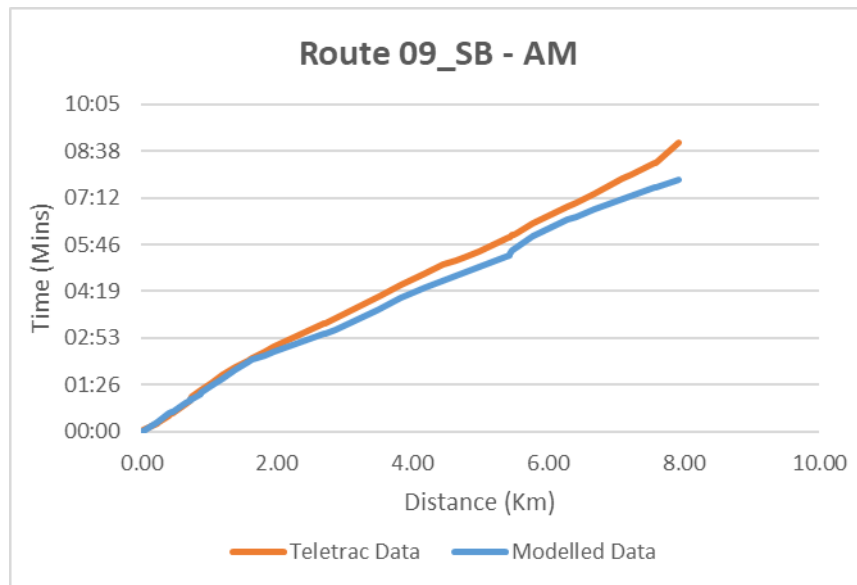
The route passed the criteria for both directions. The range of difference is between -14% to -13% in the AM peak and -11% to -8% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



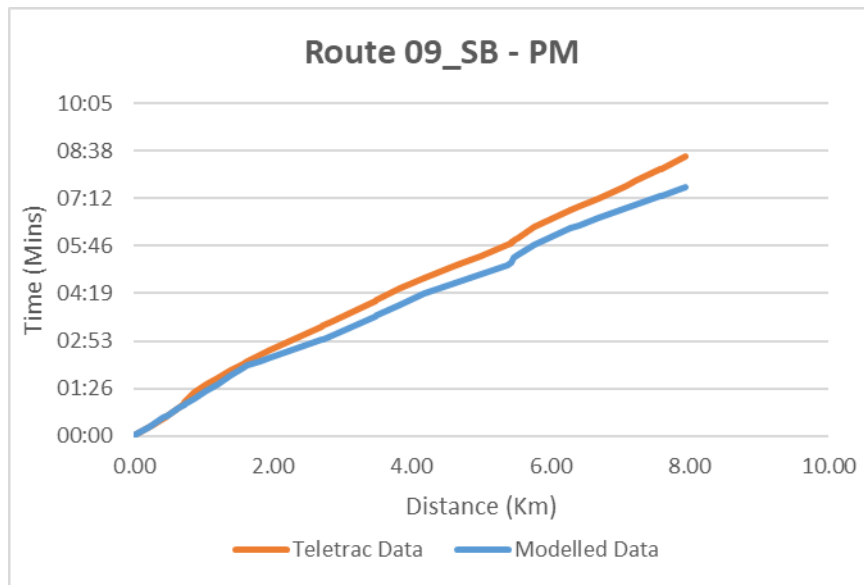
JT Route no. 9: AM Peak - NB Direction



JT Route no. 9: PM Peak - NB Direction



JT Route no. 9: AM Peak - SB Direction



JT Route no. 9: PM Peak - SB Direction

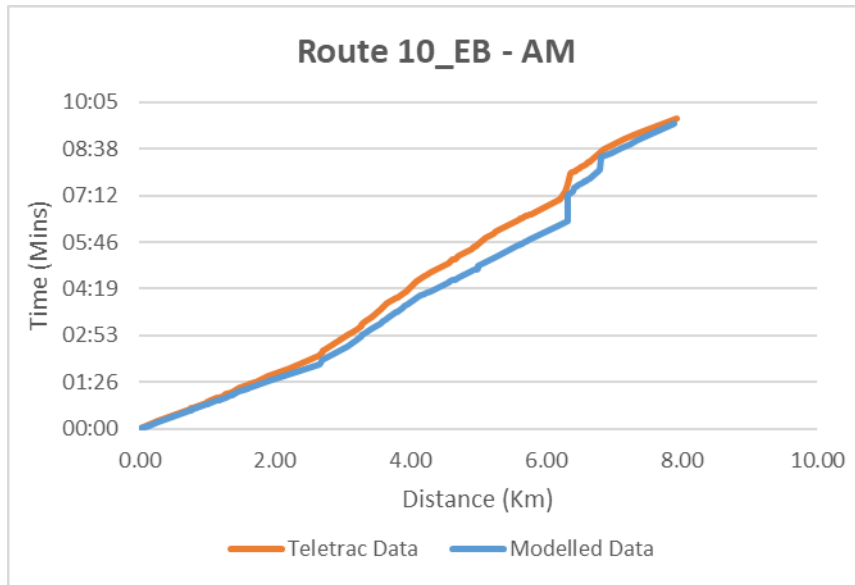
Journey Time 'Route 10'

Journey route 10 is around 8km long route via A25/A20 between Oldbury and West Malling Golf Club. JT route no. 10 is shown below:

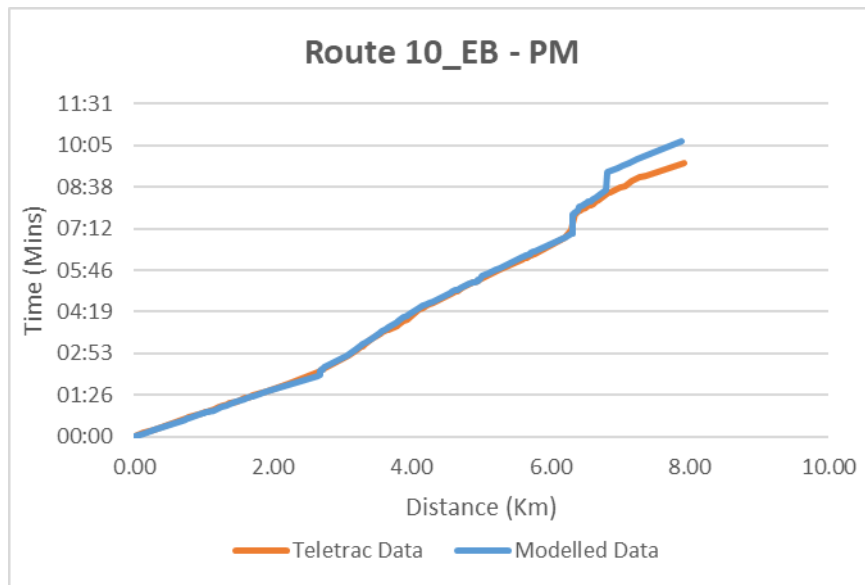


JT Route no. 10 in Tonbridge & Malling

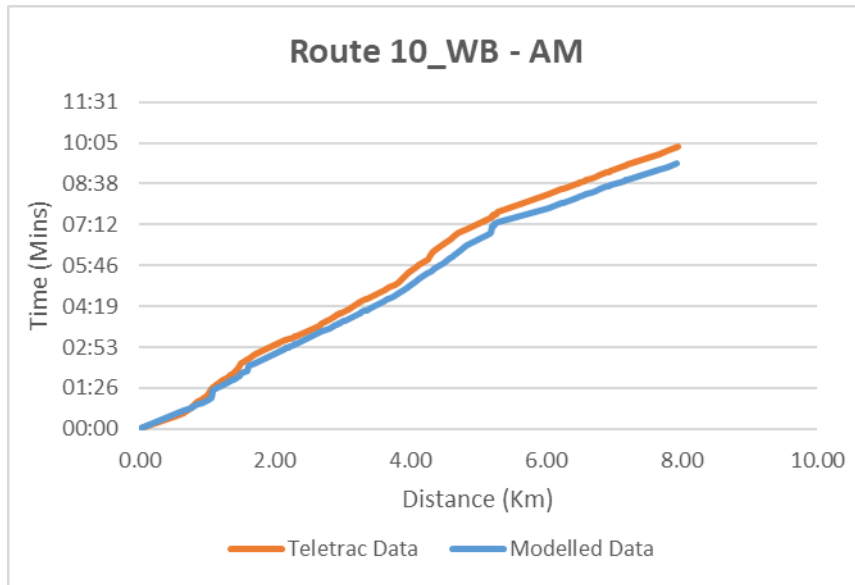
The route passed the criteria for both directions. The range of difference is between -6% to -2% in the AM peak and 8% to 9% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



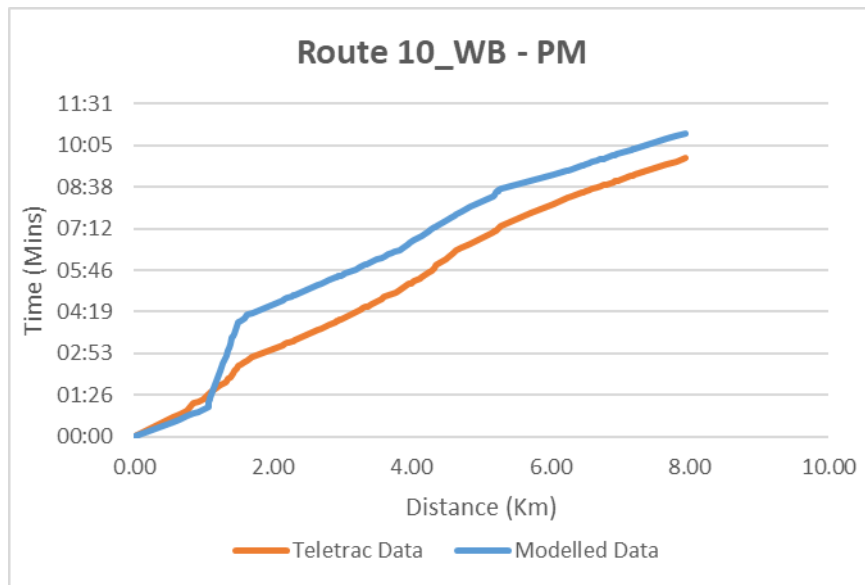
JT Route no. 10: AM Peak - EB Direction



JT Route no. 10: PM Peak - EB Direction



JT Route no. 10: AM Peak - WB Direction



JT Route no. 10: PM Peak - WB Direction

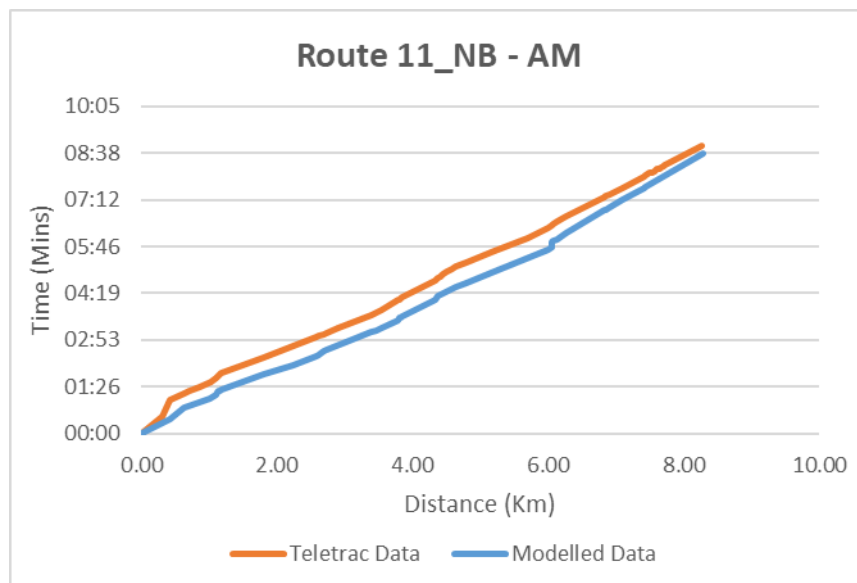
Journey Time 'Route 11'

Journey route 11 is around 8km long route via A228 between Bush Road in Cuxton and A228 – M20 intersection. JT route no. 11 is shown below:

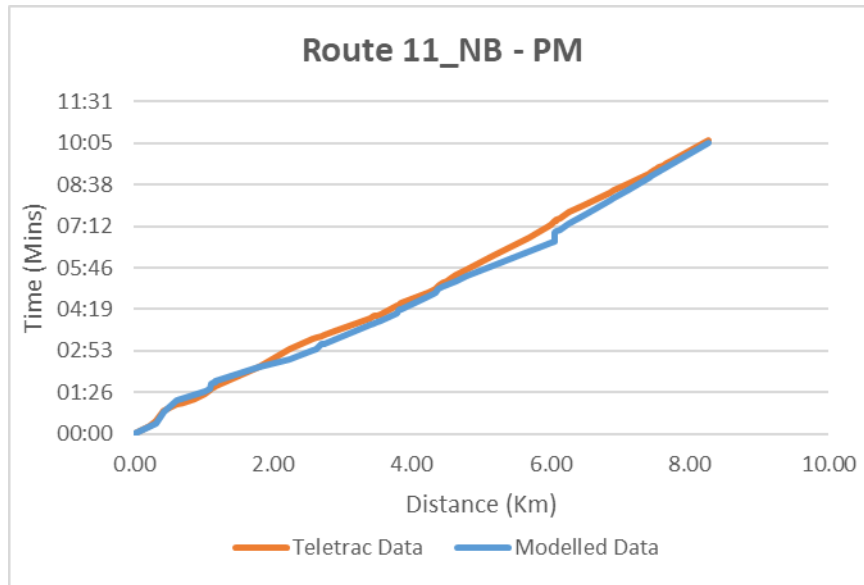


JT Route no. 11 in Tonbridge & Malling

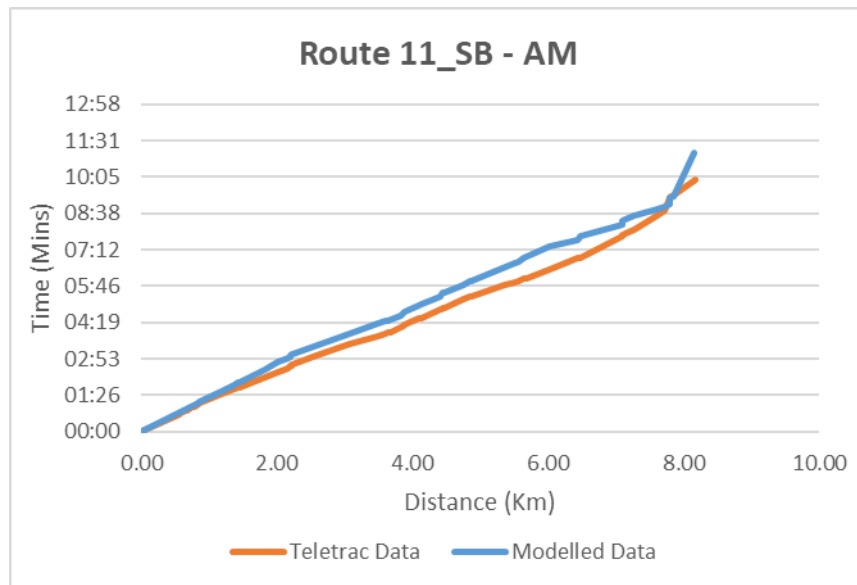
The route passed the criteria for both directions. The range of difference is between -3% to 11% in the AM peak and -1% to -3% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



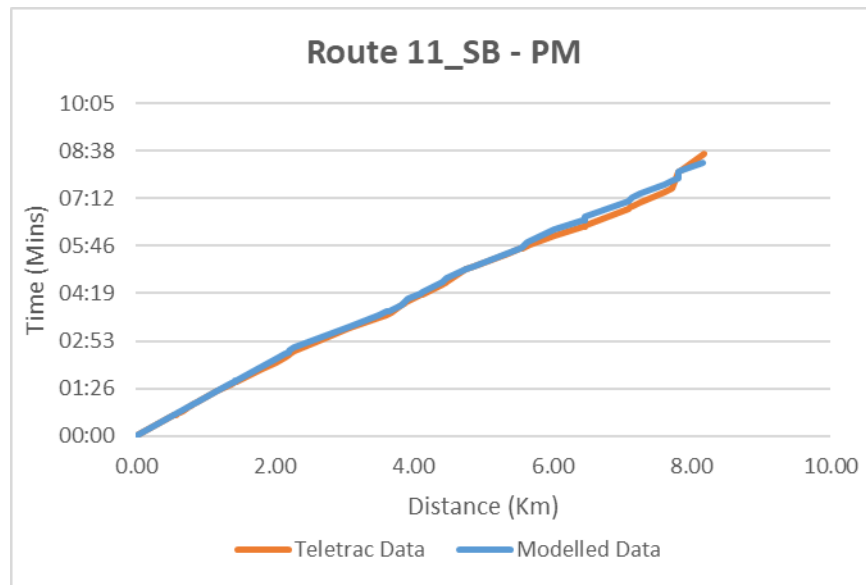
JT Route no. 11: AM Peak - NB Direction



JT Route no. 11: PM Peak - NB Direction



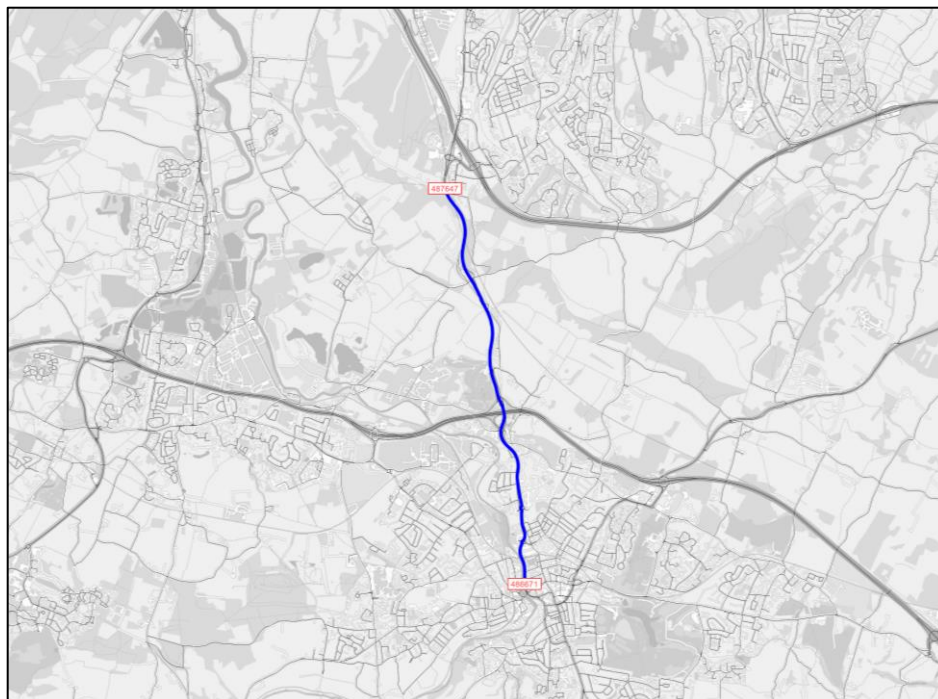
JT Route no. 11: AM Peak - SB Direction



JT Route no. 11: PM Peak - SB Direction

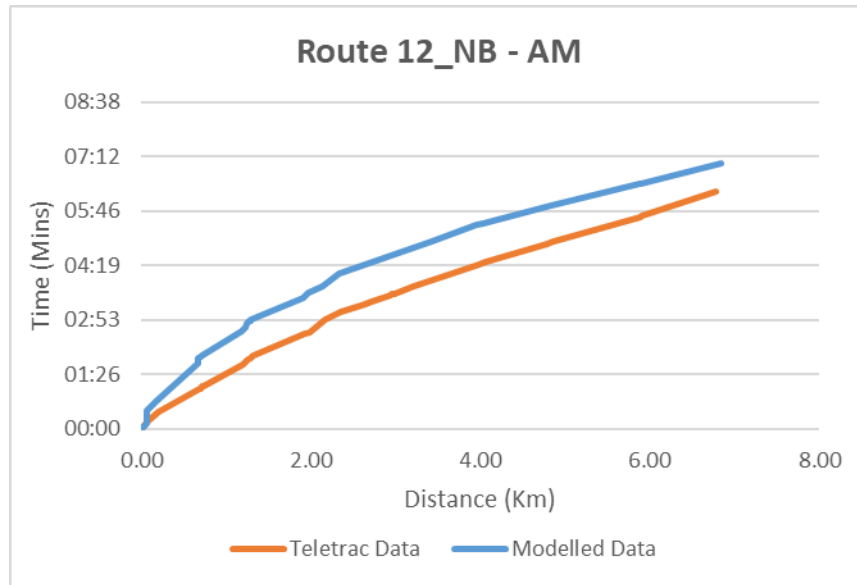
Journey Time 'Route 12'

Journey route 12 is around 7km long route via A229 between Blue Bell Hill and High Street in Maidstone. JT route no. 12 is shown below:

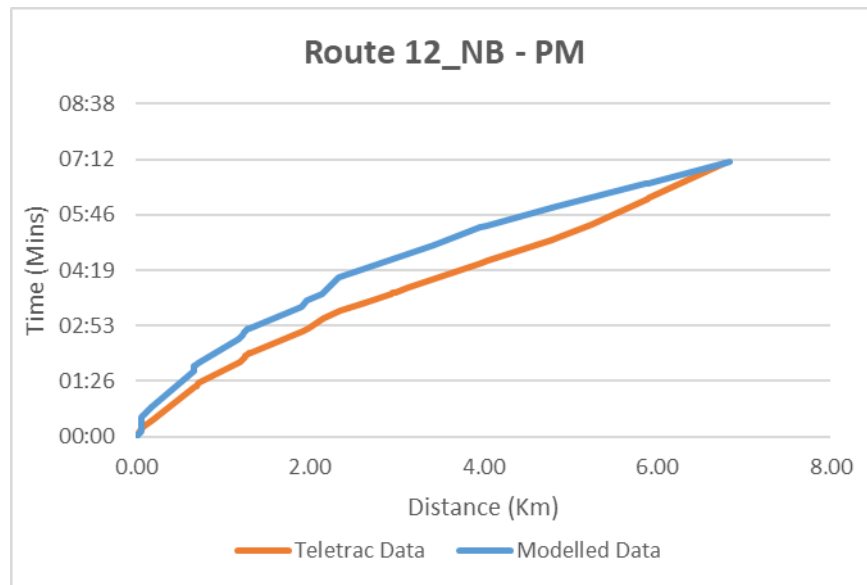


JT Route no. 12 in Tonbridge & Malling

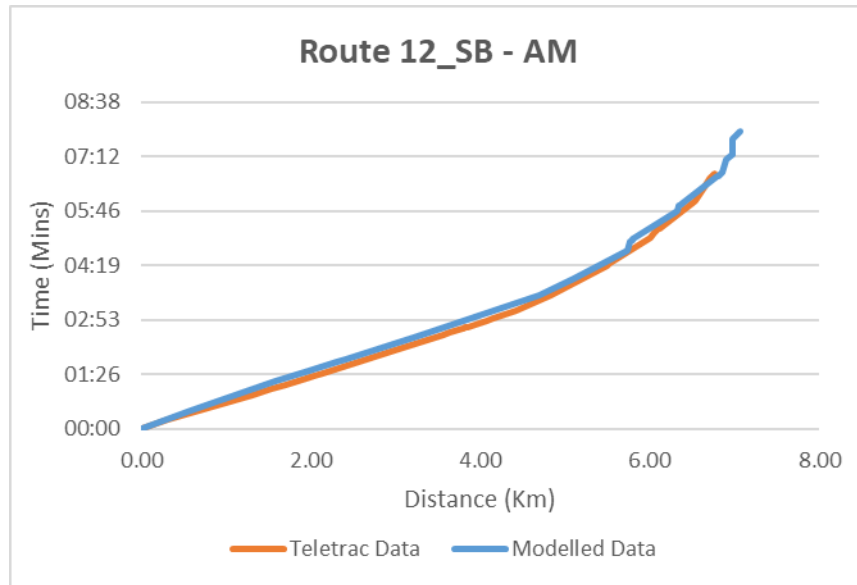
The route passed the criteria for both directions in the PM peak with the range of difference being between 0% to 4%. In the AM peak, the route passed the criteria in the Northbound direction (12% difference) but not in the Southbound direction (16% difference). Journey time route profile for each peak period in each direction are shown in the graphs below:



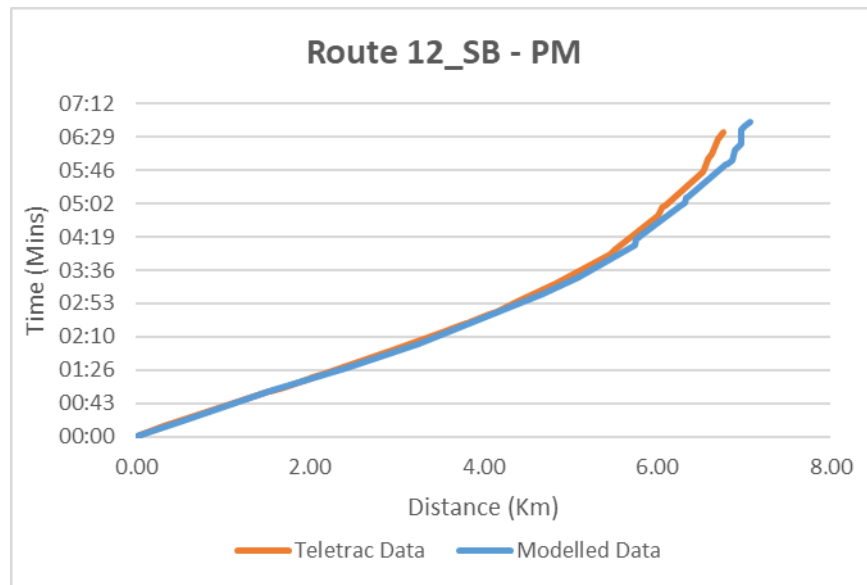
JT Route no. 12: AM Peak - NB Direction



JT Route no. 12: PM Peak - NB Direction



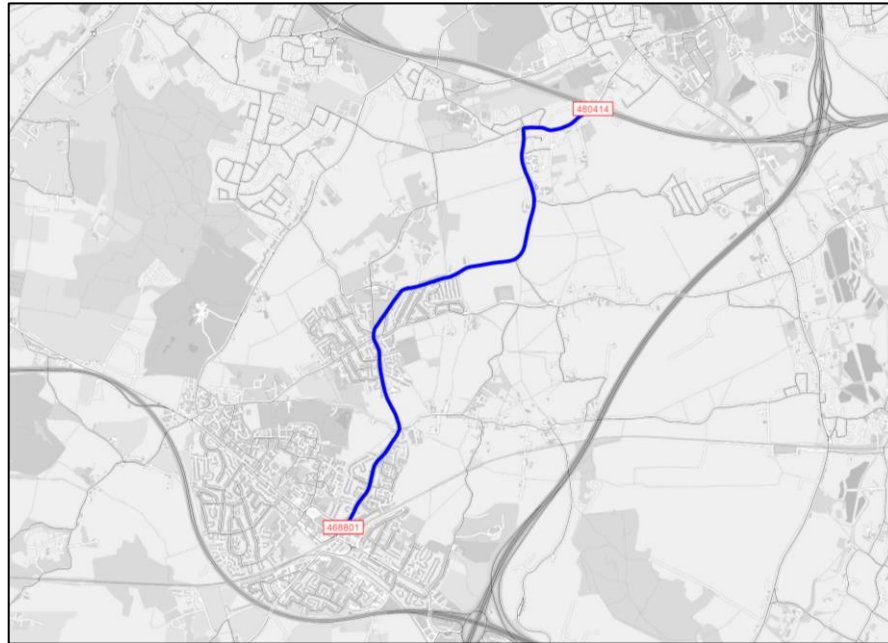
JT Route no. 12: AM Peak - SB Direction



JT Route no. 12: PM Peak - SB Direction

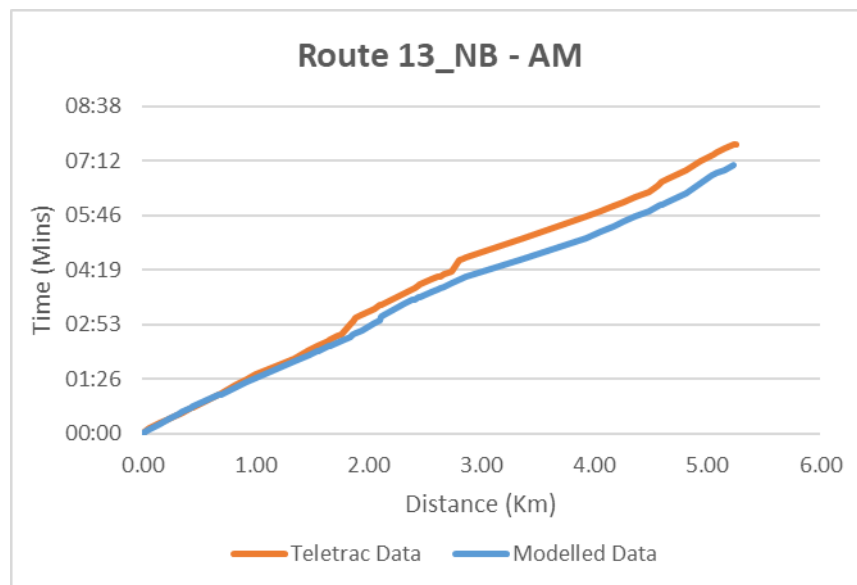
Journey Time 'Route 13'

Journey route 13 is around 5km long route via B258 between the A2 and B2173 Bartholomew Way in Swanley. JT route no. 13 is shown below:

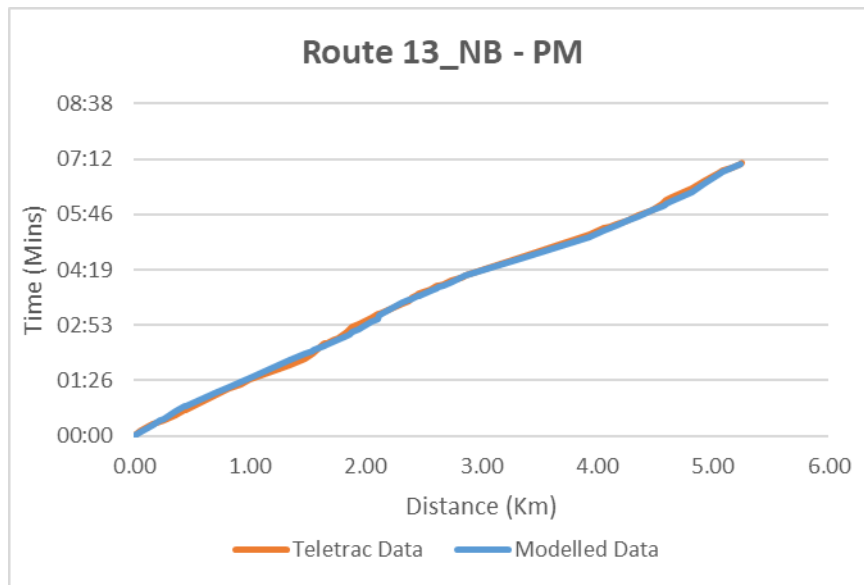


JT Route no. 13 in Sevenoaks

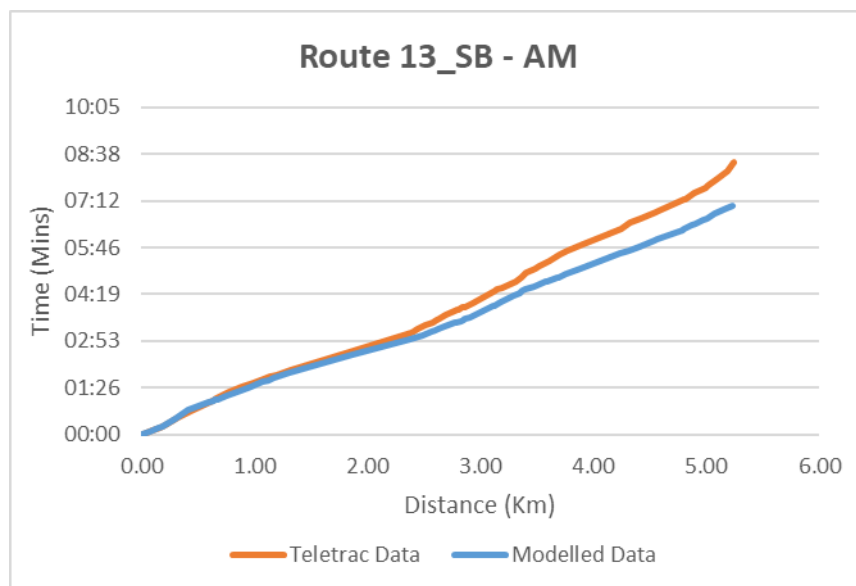
The route passed the criteria for both directions in the PM peak with the range of difference being between -8% to -1%. In the AM peak, the route passed the criteria in the Northbound direction (-7% difference) but not in the Southbound direction (-16% difference). Journey time route profile for each peak period in each direction are shown in the graphs below:



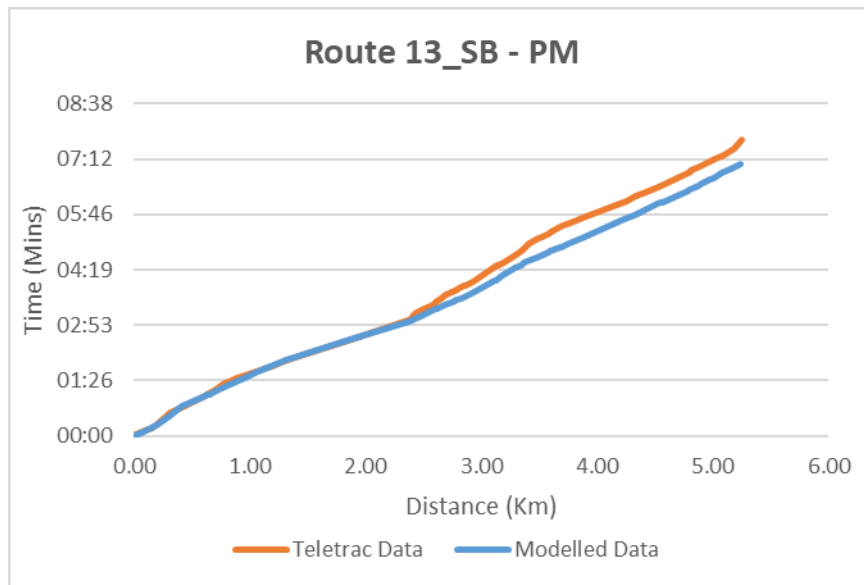
JT Route no. 13: AM Peak - NB Direction



JT Route no. 13: PM Peak - NB Direction



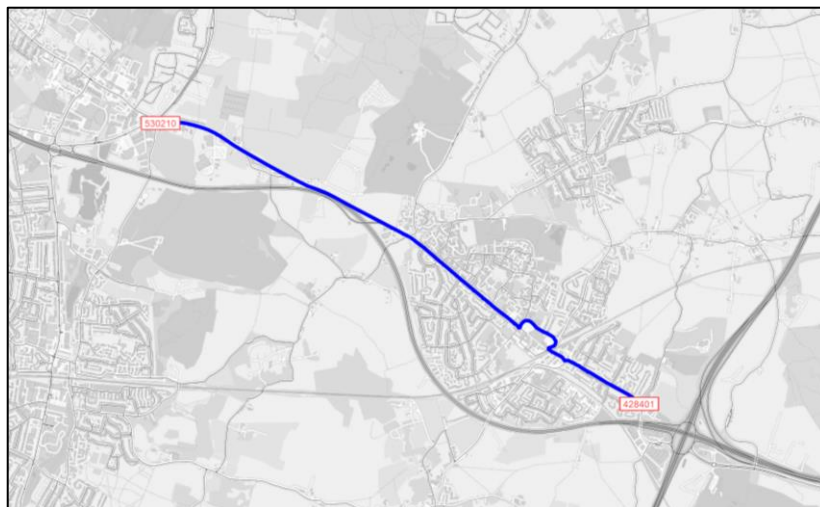
JT Route no. 13: AM Peak - SB Direction



JT Route no. 13: PM Peak - SB Direction

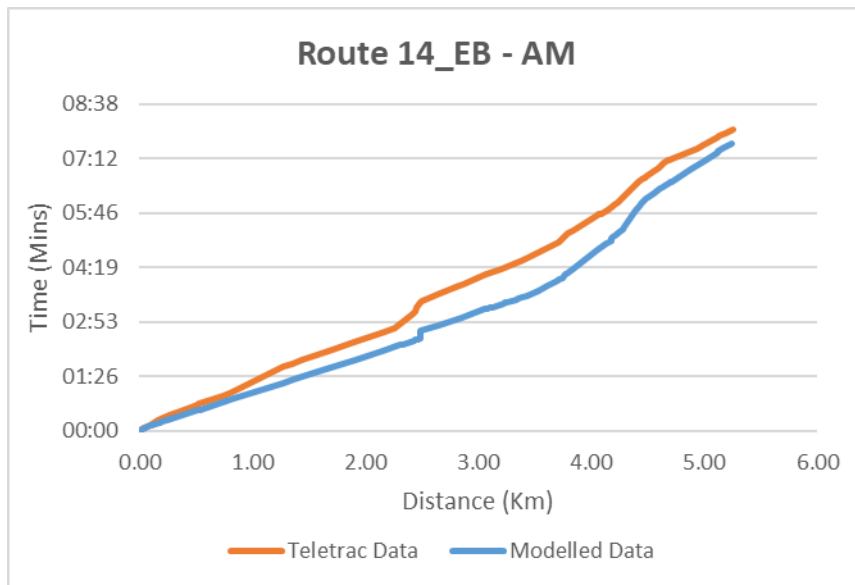
Journey Time 'Route 14'

Journey route 14 is around 5km long route via B2173 between B2173 – A223 intersection and Beechenlea Lane in Swanley. JT route no. 14 is shown below:

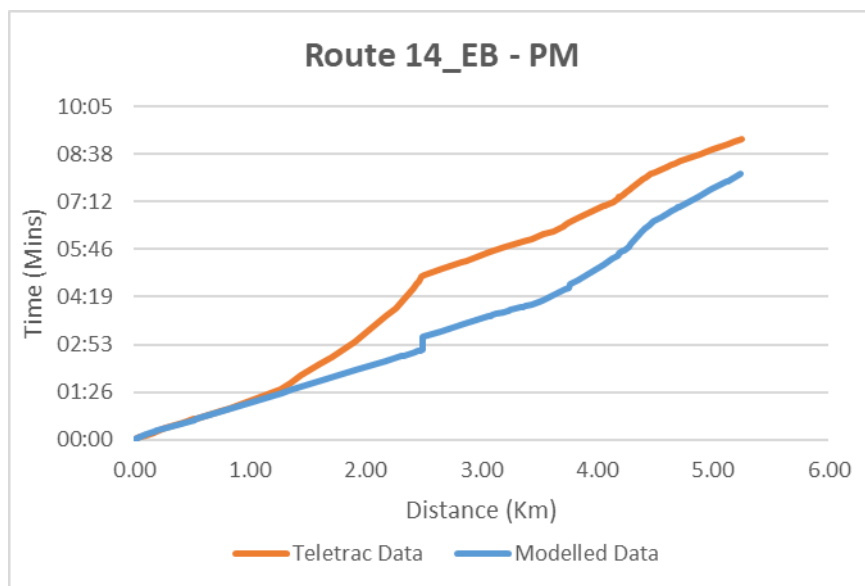


JT Route no. 14 in Sevenoaks

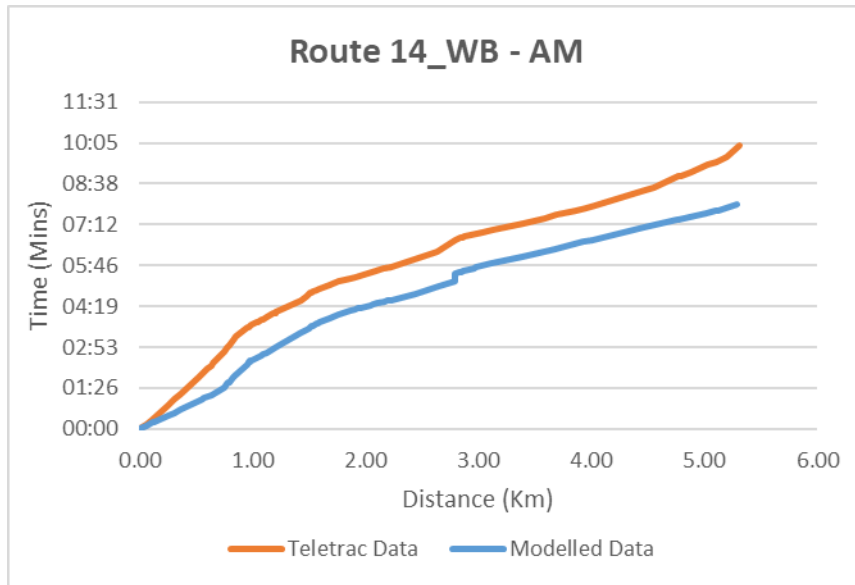
The route passed the criteria for both directions in the PM peak with the range of difference being between -12% to -9%. In the AM peak, the route passed the criteria in the Eastbound direction (-5% difference) but not in the Westbound direction (-21% difference). Journey time route profile for each peak period in each direction are shown in the graphs below:



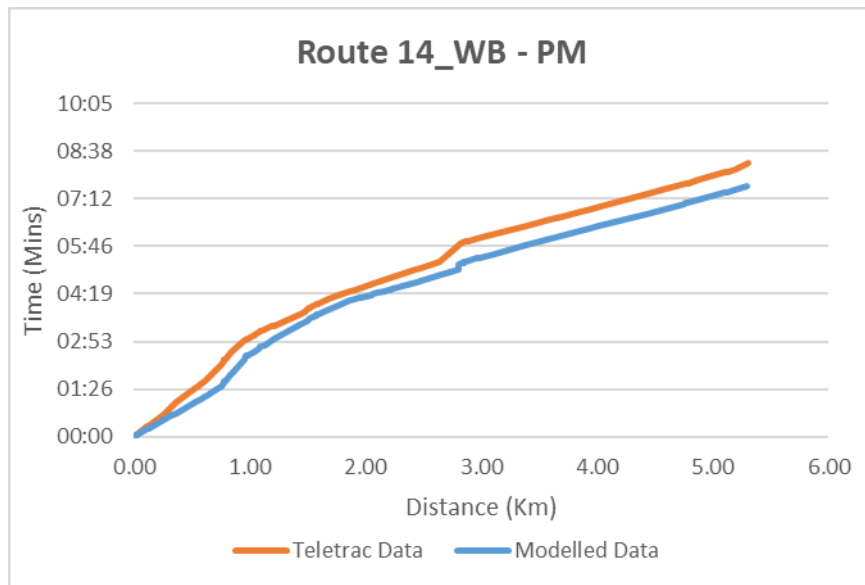
JT Route no. 14: AM Peak - EB Direction



JT Route no. 14: PM Peak - EB Direction



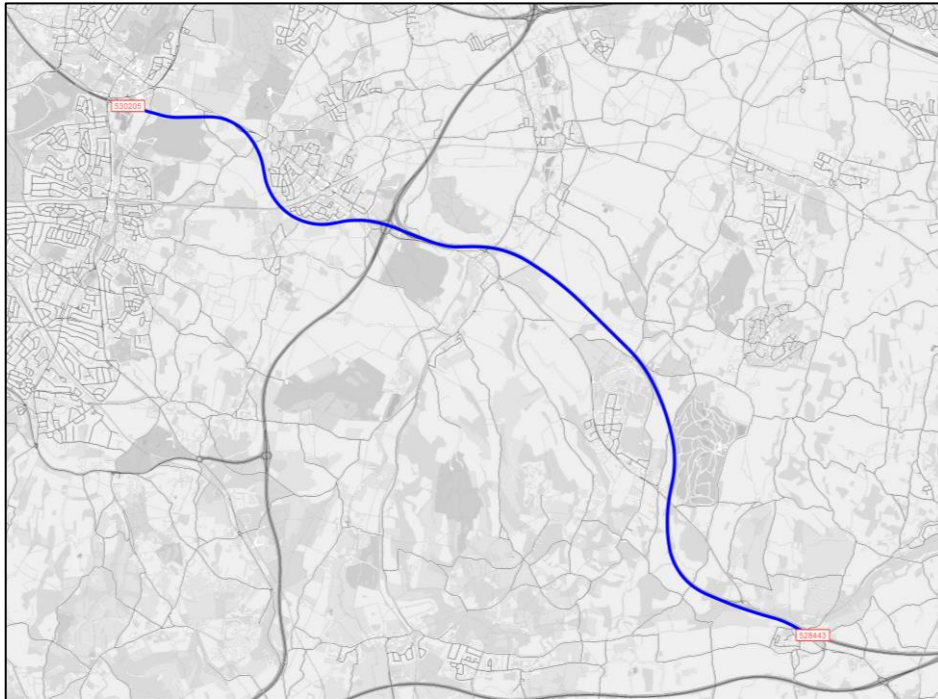
JT Route no. 14: AM Peak - WB Direction



JT Route no. 14: PM Peak - WB Direction

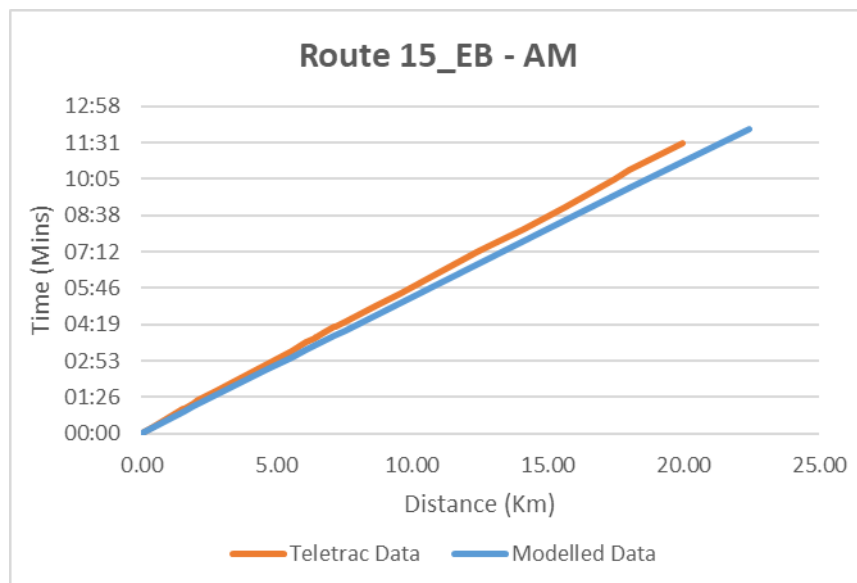
Journey Time 'Route 15'

Journey route 15 is around 20km long route via A20/M20 between A20 – A223 – A224 intersection and Wrotham. JT route no. 15 is shown below:

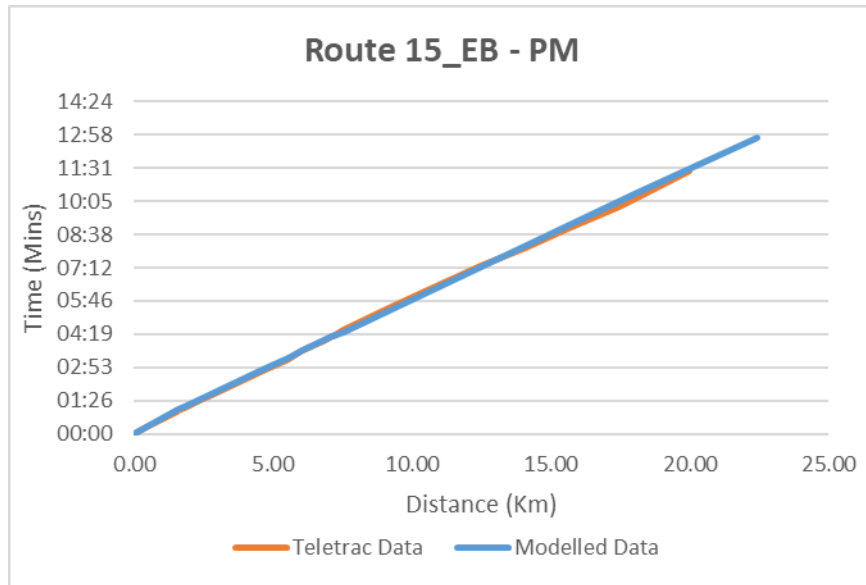


JT Route no. 15 in Sevenoaks

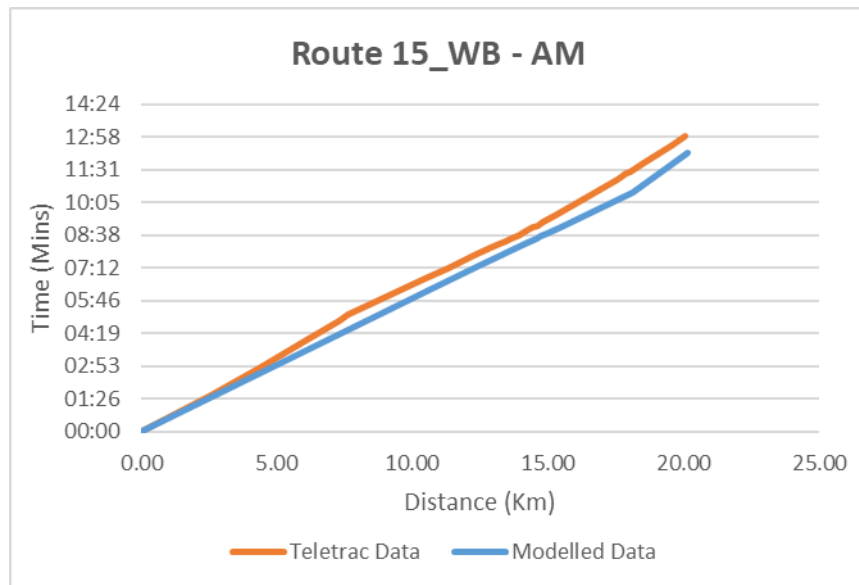
The route passed the criteria for both directions. The range of difference is between -6% to 5% in the AM peak and 0% to 13% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



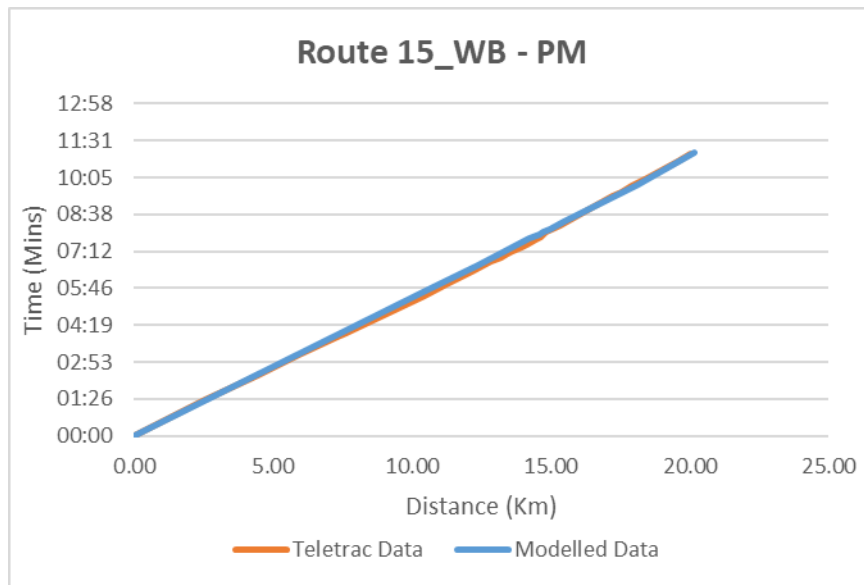
JT Route no. 15: AM Peak - EB Direction



JT Route no. 15: PM Peak - EB Direction



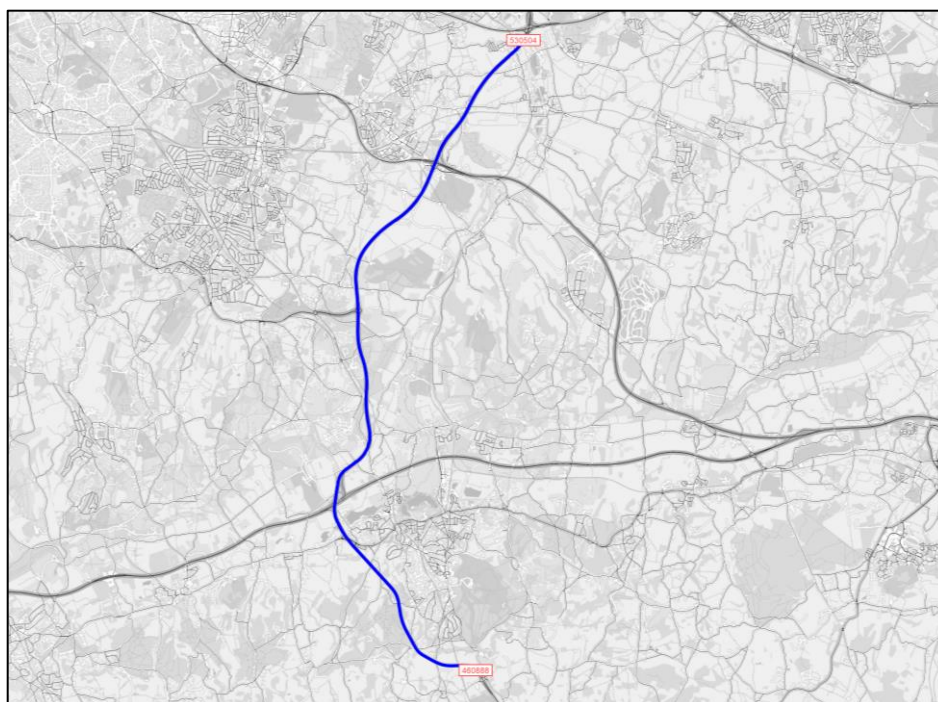
JT Route no. 15: AM Peak - WB Direction



JT Route no. 15: PM Peak - WB Direction

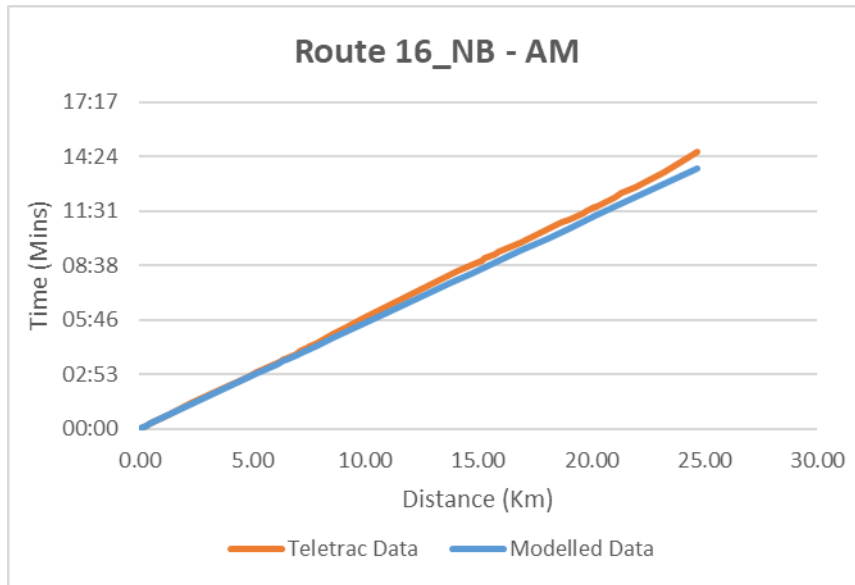
Journey Time 'Route 16'

Journey route 16 is around 25km long route via M25/A21 between A2 – M25 intersection and Morleys Roundabout. JT route no. 16 is shown below:

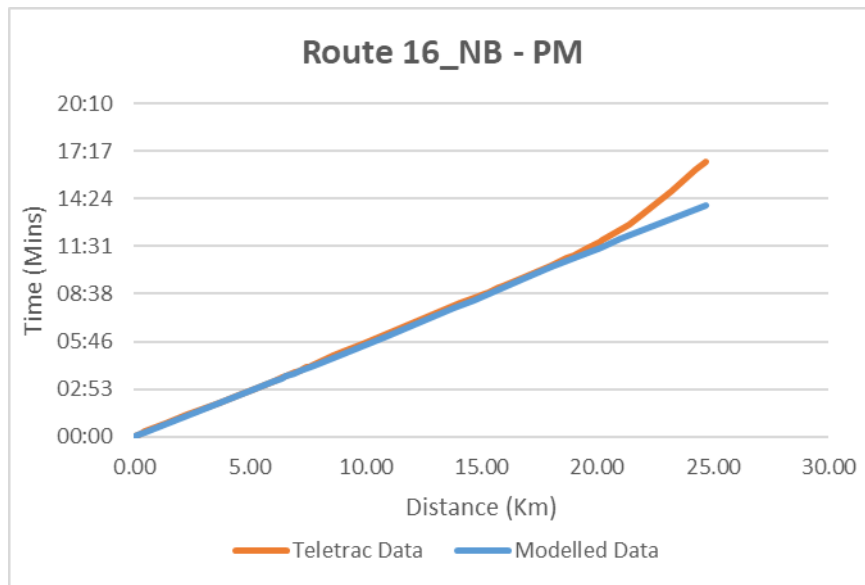


JT Route no. 16 in Sevenoaks

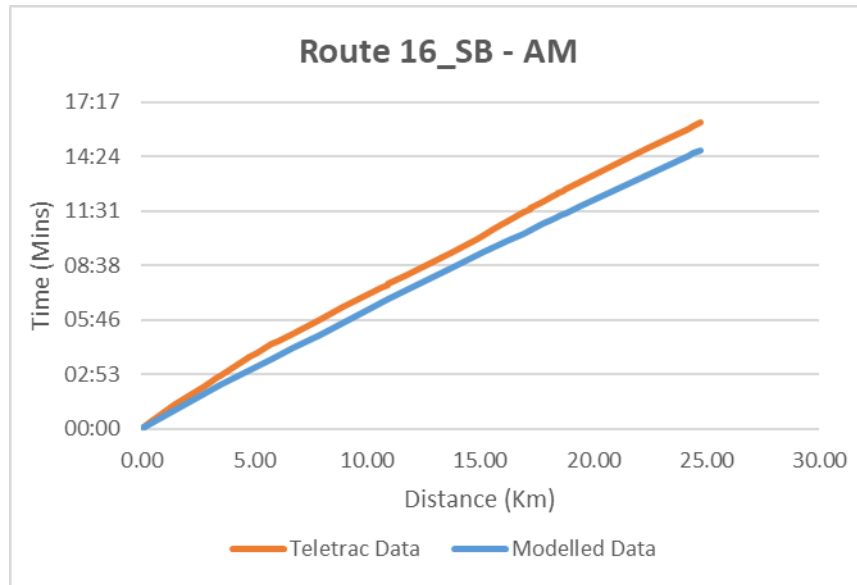
The route passed the criteria for both directions in the AM peak with the range of difference being between -6% to -9%. In the PM peak, the route passed the criteria in the Southbound direction (3% difference) but not in the Northbound direction (-16% difference). Journey time route profile for each peak period in each direction are shown in the graphs below:



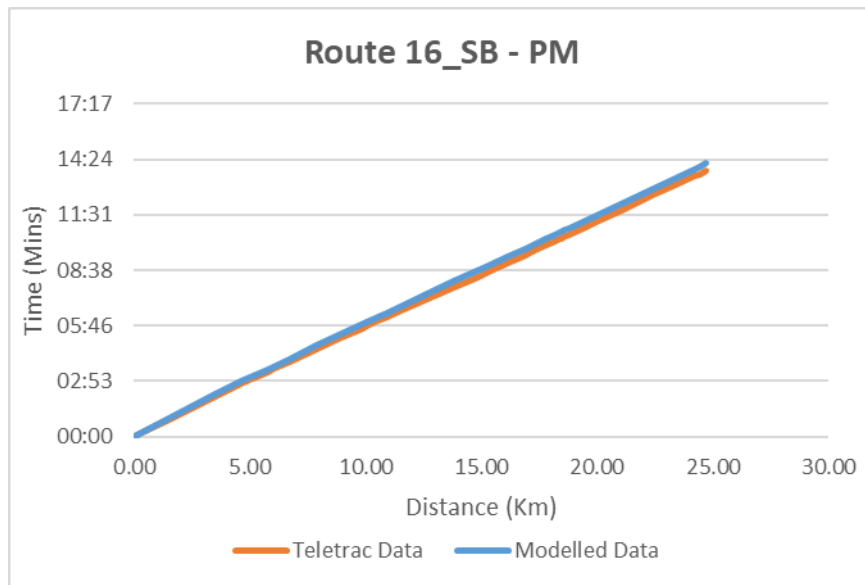
JT Route no. 16: AM Peak - NB Direction



JT Route no. 16: PM Peak - NB Direction



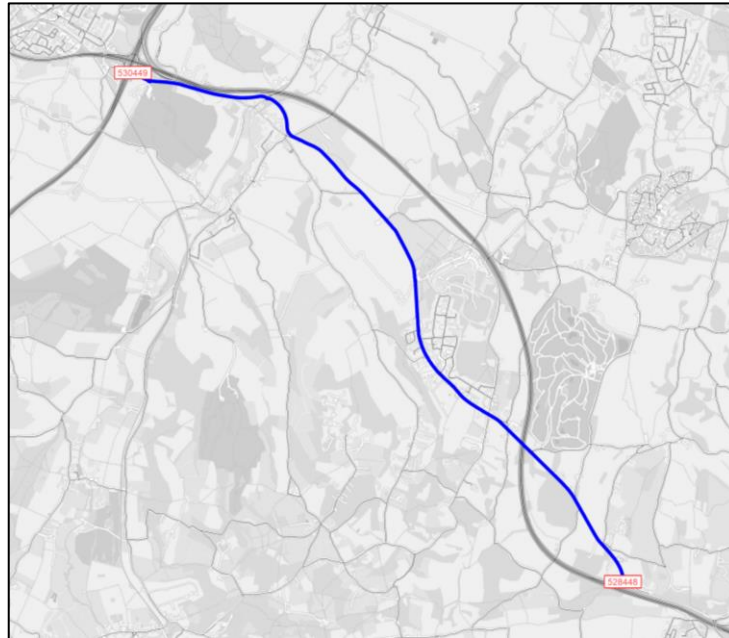
JT Route no. 16: AM Peak - SB Direction



JT Route no. 16: PM Peak - SB Direction

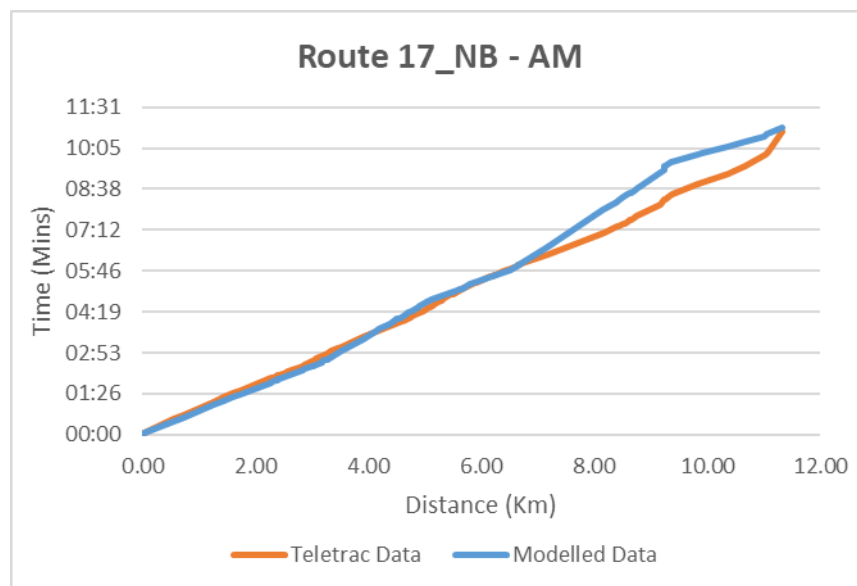
Journey Time 'Route 17'

Journey route 17 is around 11km long route via A20 between A20 – M25 intersection and M20 – A20 intersection. JT route no. 17 is shown below:

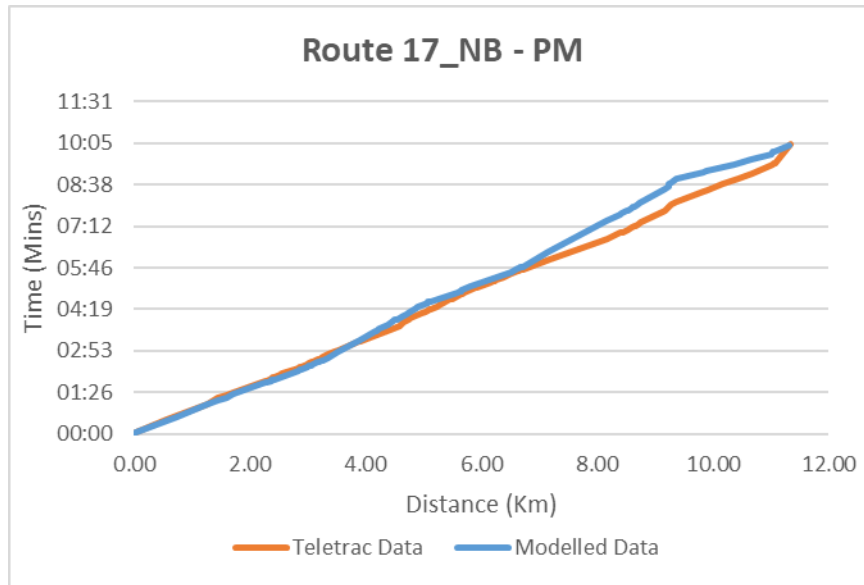


JT Route no. 17 in Sevenoaks

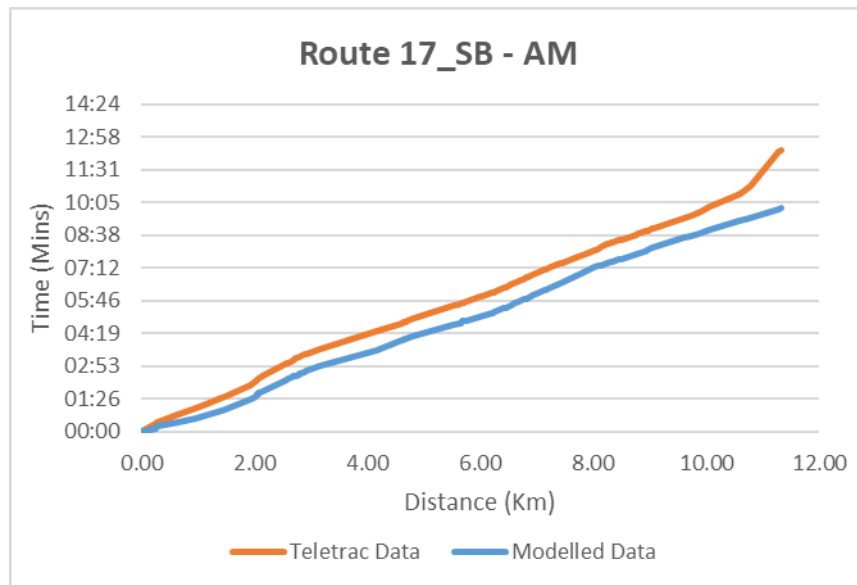
The route passed the criteria for both directions in the PM peak with the range of difference being between -1% to 4%. In the AM peak, the route passed the criteria in the Northbound direction (1% difference) but not in the Southbound direction (-21% difference). Journey time route profile for each peak period in each direction are shown in the graphs below:



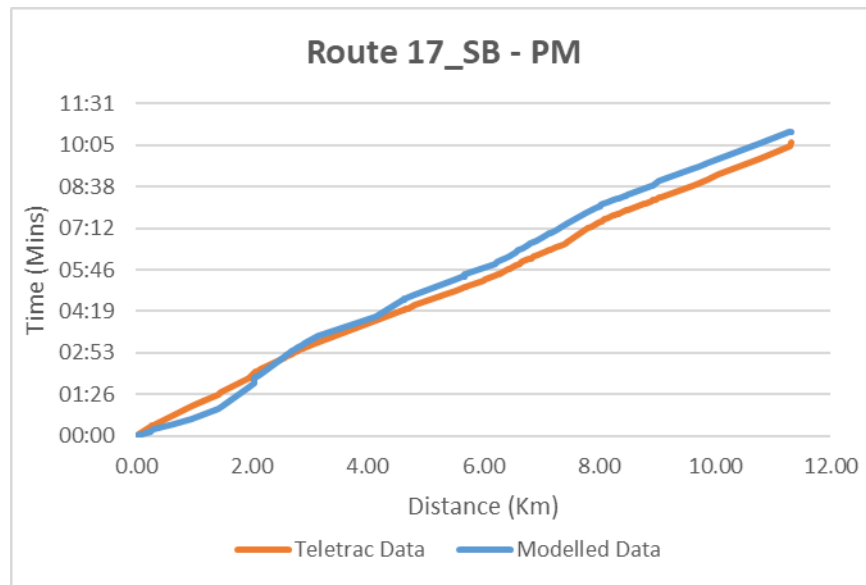
JT Route no. 17: AM Peak - NB Direction



JT Route no. 17: PM Peak - NB Direction



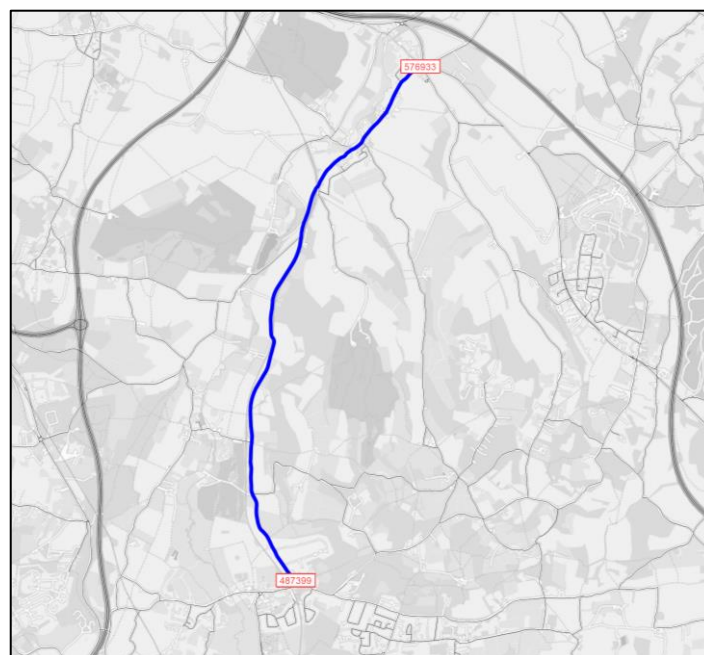
JT Route no. 17: AM Peak - SB Direction



JT Route no. 17: PM Peak - SB Direction

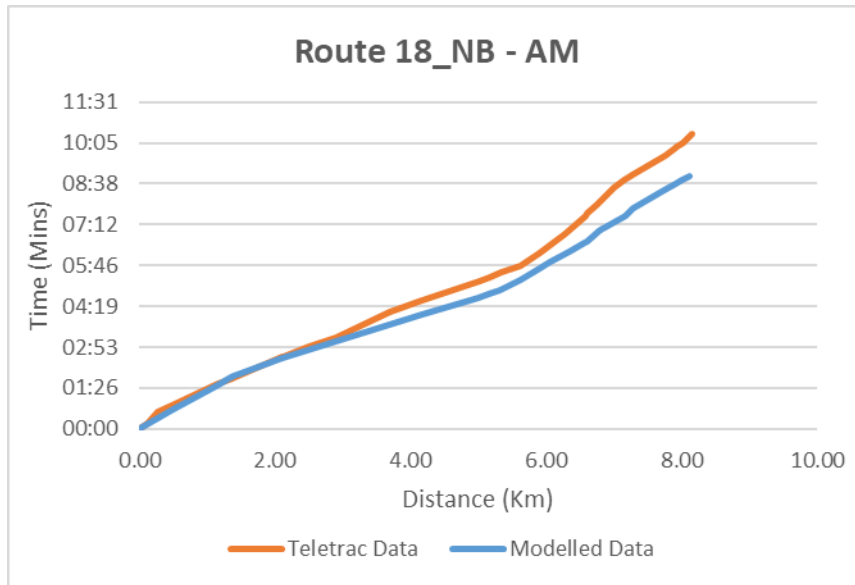
Journey Time 'Route 18'

Journey route 18 is around 8km long route via A225 between A225 – A20 intersection and Otford. JT route no. 18 is shown below:

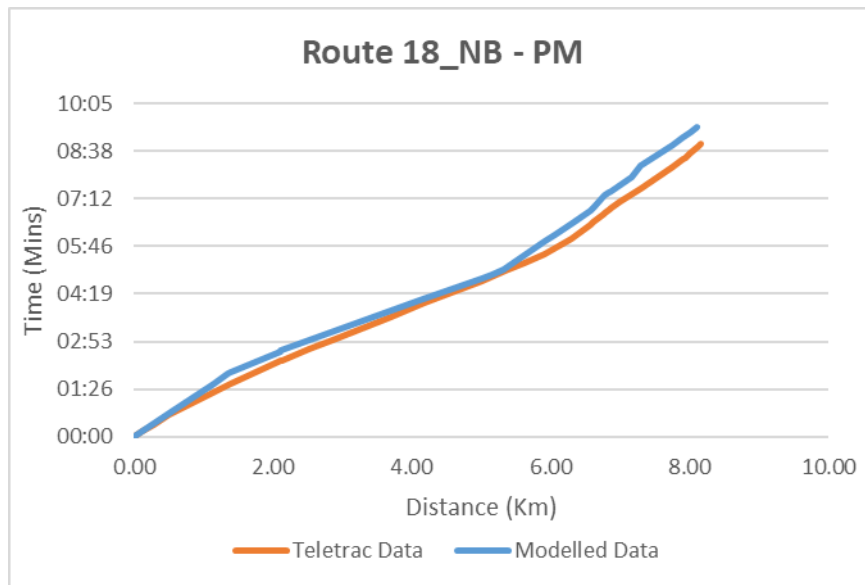


JT Route no. 18 in Sevenoaks

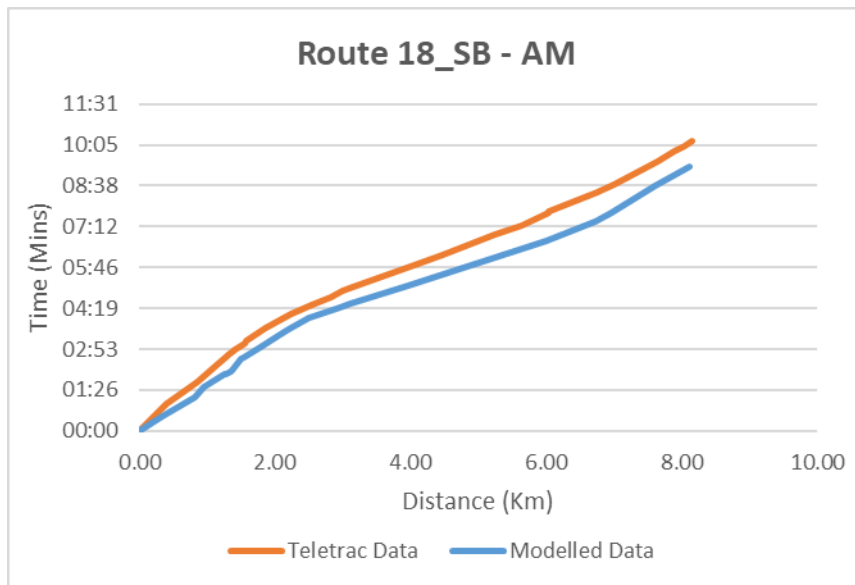
The route passed the criteria for both directions. The range of difference is between -14% to -9% in the AM peak and 5% to 6% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



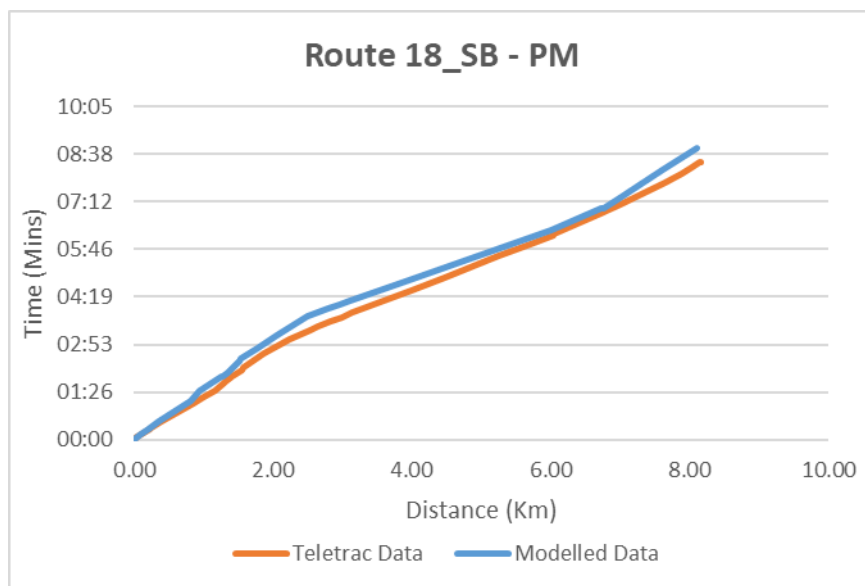
JT Route no. 18: AM Peak - NB Direction



JT Route no. 18: PM Peak - NB Direction



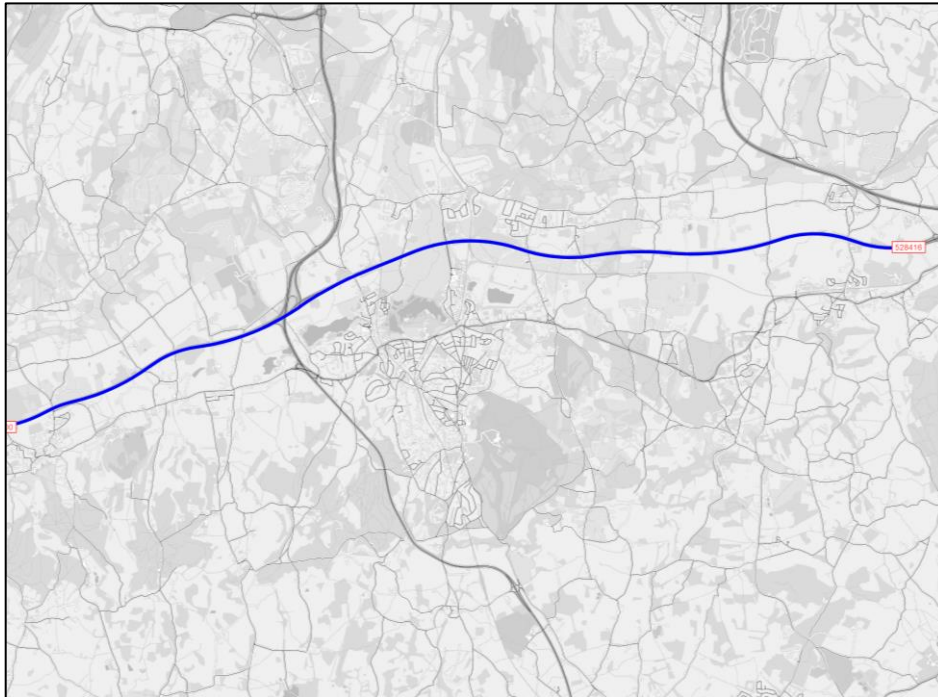
JT Route no. 18: AM Peak - SB Direction



JT Route no. 18: PM Peak - SB Direction

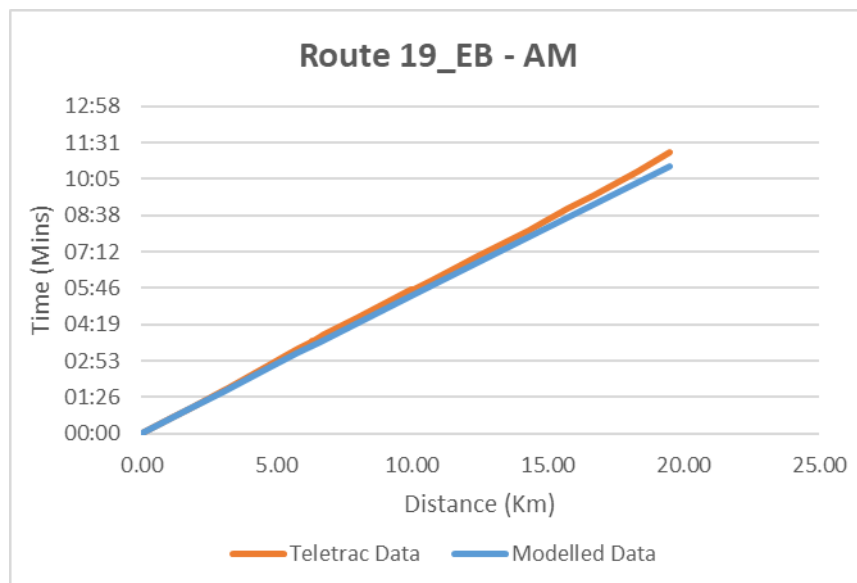
Journey Time 'Route 19'

Journey route 19 is around 20km long route via M25/M26 between B2024 Croydon Road and M26 – A20 intersection. JT route no. 19 is shown below:

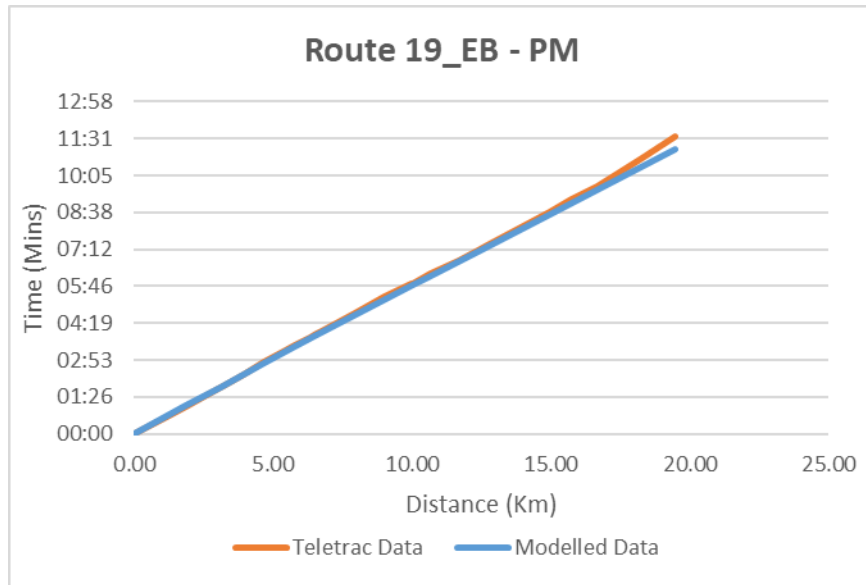


JT Route no. 19 in Sevenoaks

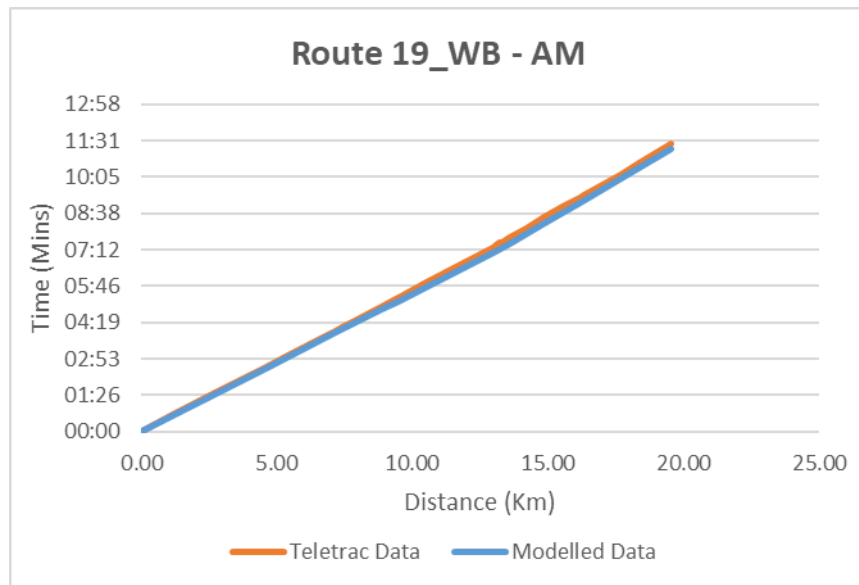
The route passed the criteria for both directions. The range of difference is between -5% to -2% in the AM peak and -4% to 1% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



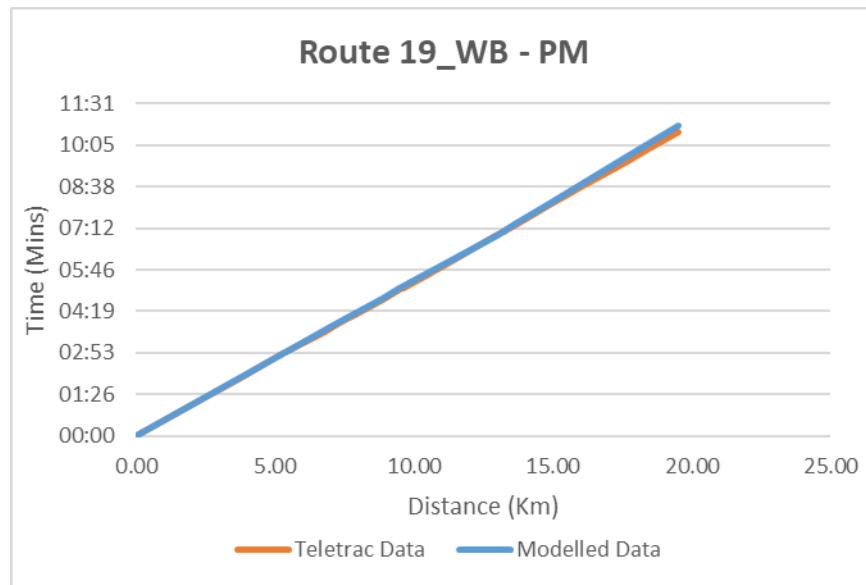
JT Route no. 19: AM Peak - EB Direction



JT Route no. 19: PM Peak - EB Direction



JT Route no. 19: AM Peak - WB Direction



JT Route no. 19: PM Peak - WB Direction

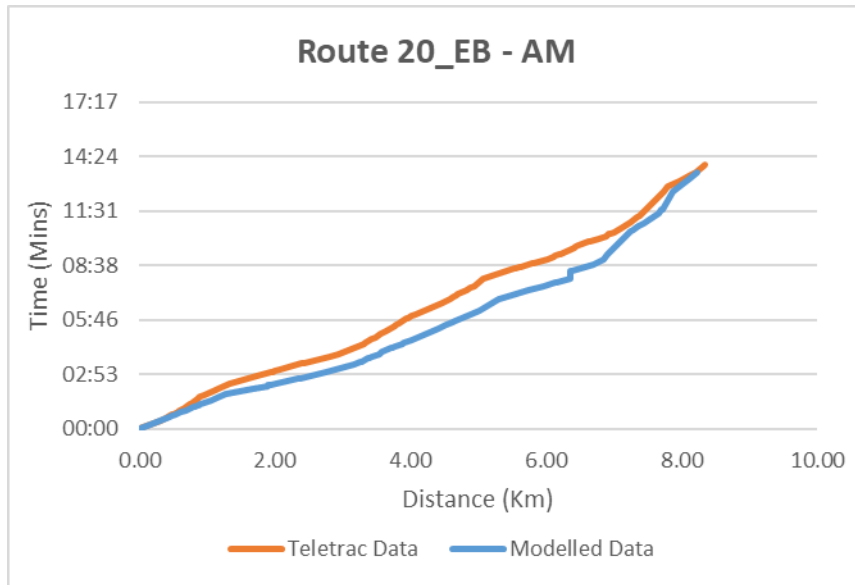
Journey Time 'Route 20'

Journey route 20 is around 8km long route via A25 between Westerham and A224 – A25 intersection. JT route no. 20 is shown below:

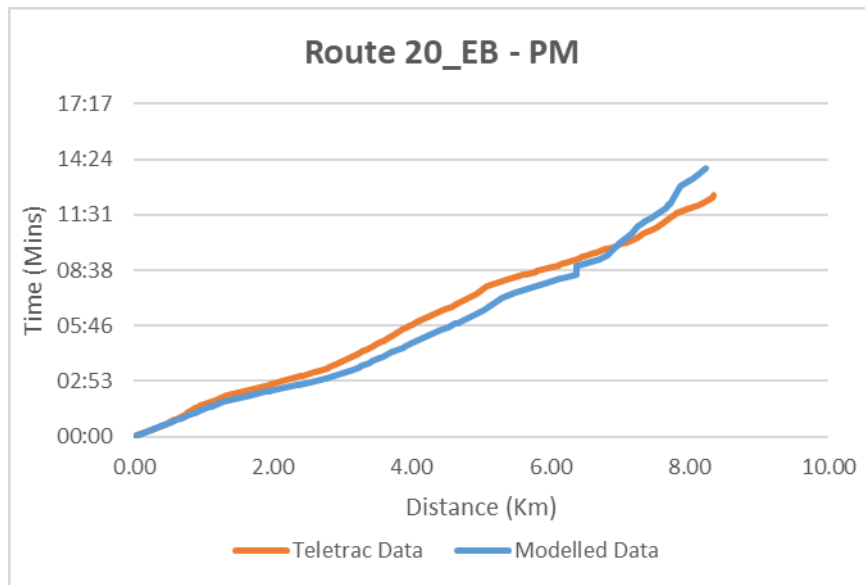


JT Route no. 20 in Sevenoaks

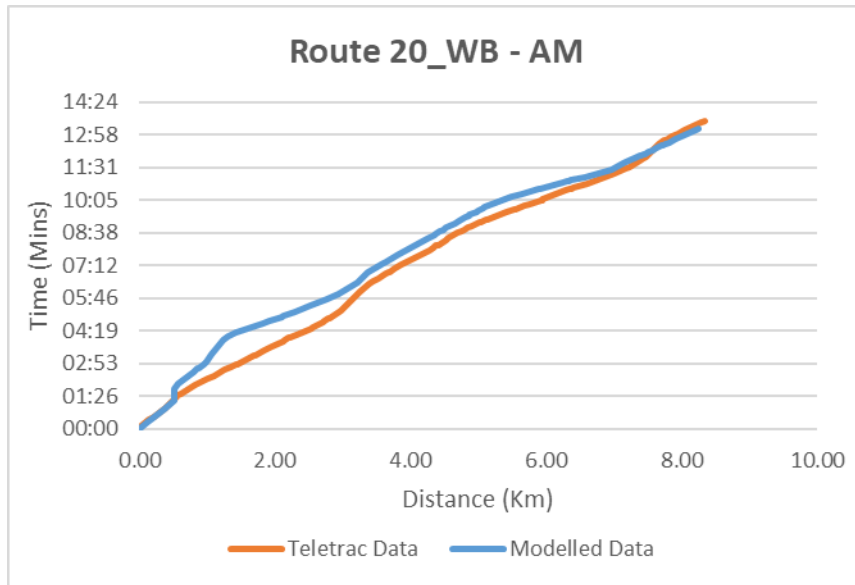
The route passed the criteria for both directions. The range of difference is between -3% to -2% in the AM peak and 8% to 11% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



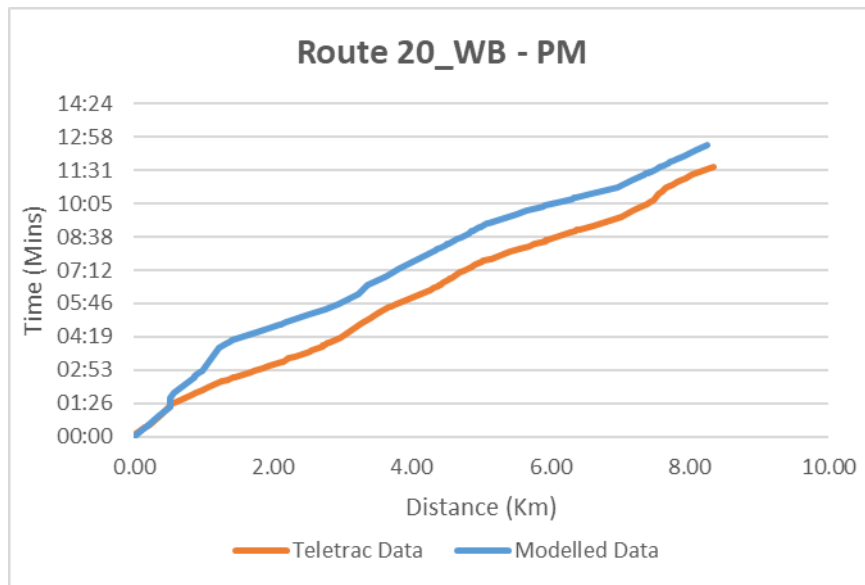
JT Route no. 20: AM Peak - EB Direction



JT Route no. 20: PM Peak - EB Direction



JT Route no. 20: AM Peak - WB Direction



JT Route no. 20: PM Peak - WB Direction

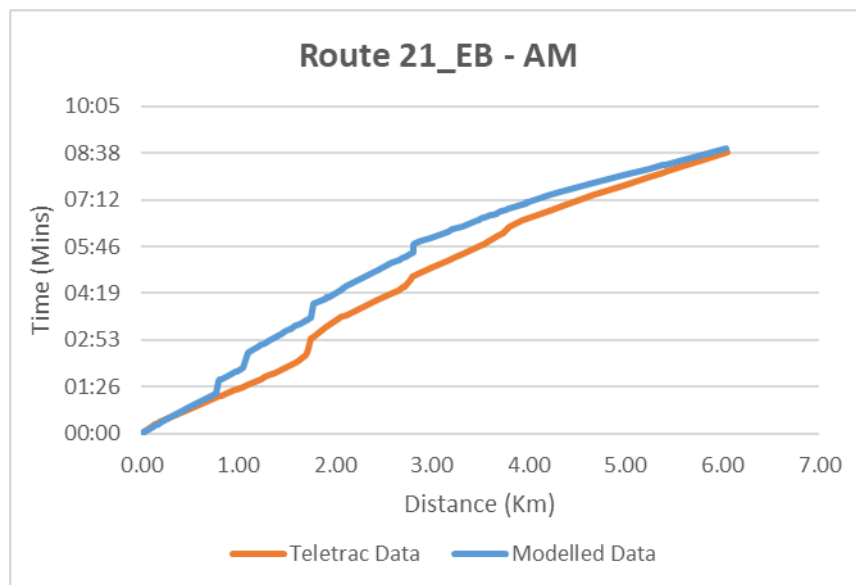
Journey Time 'Route 21'

Journey route 21 is around 6km long route via A25 between A25 – A224 intersection and Seal Chart. JT route no. 21 is shown below:

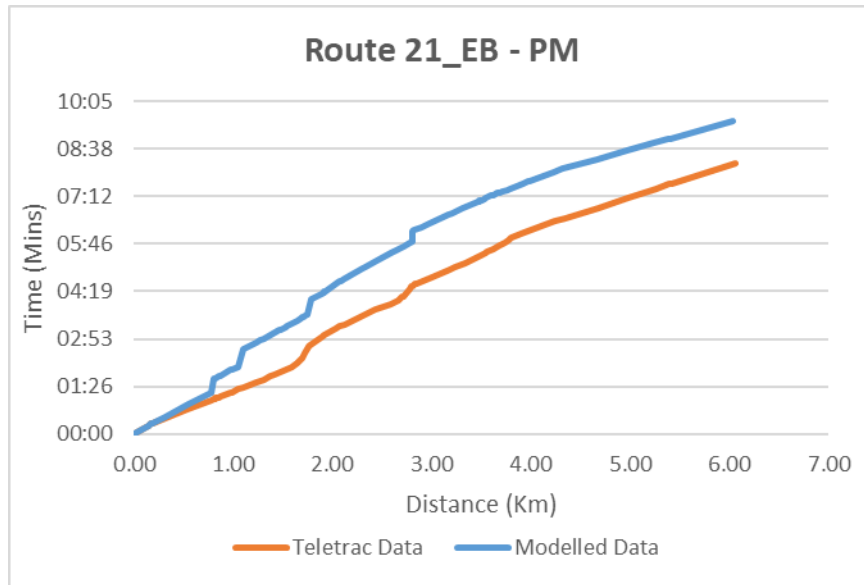


JT Route no. 21 in Sevenoaks

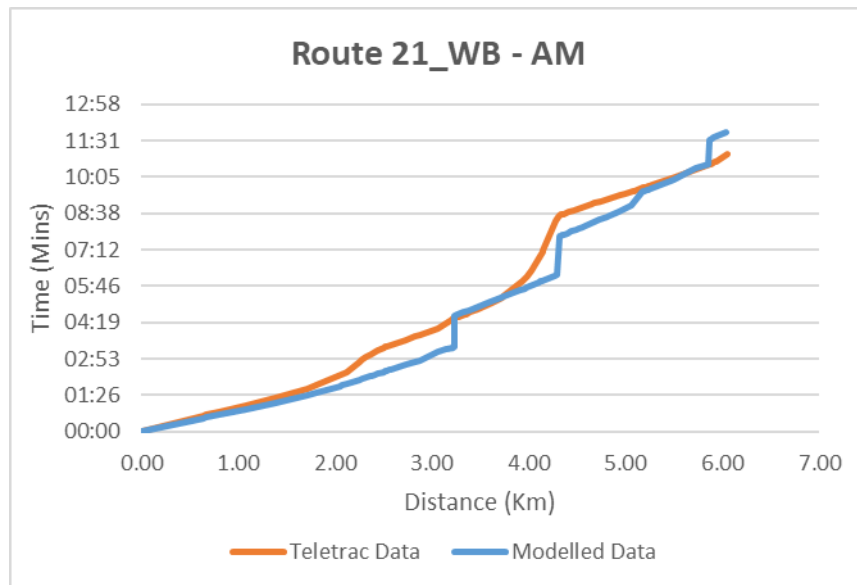
The route passed the criteria for both directions. The range of difference is between 1% to 8% in the AM peak and 12% to 15% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



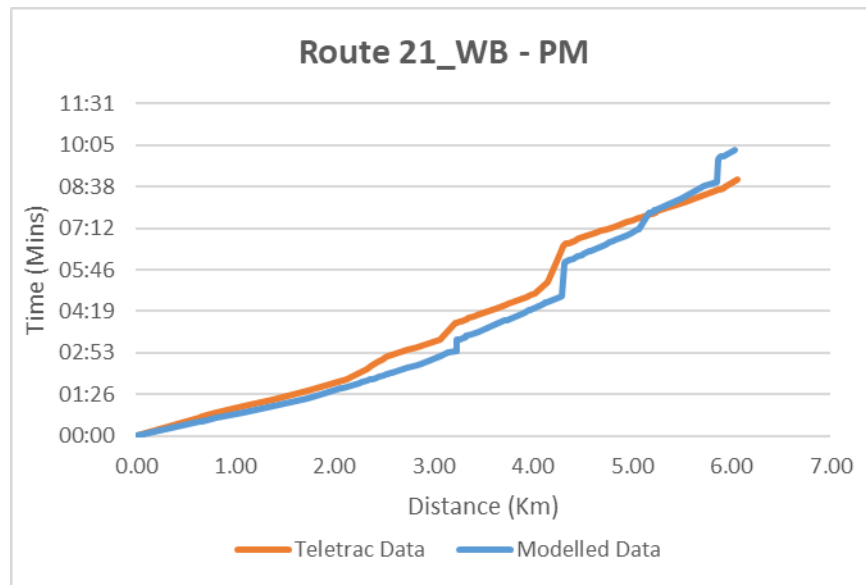
JT Route no. 21: AM Peak - EB Direction



JT Route no. 21: PM Peak - EB Direction



JT Route no. 21: AM Peak - WB Direction



JT Route no. 21: PM Peak - WB Direction

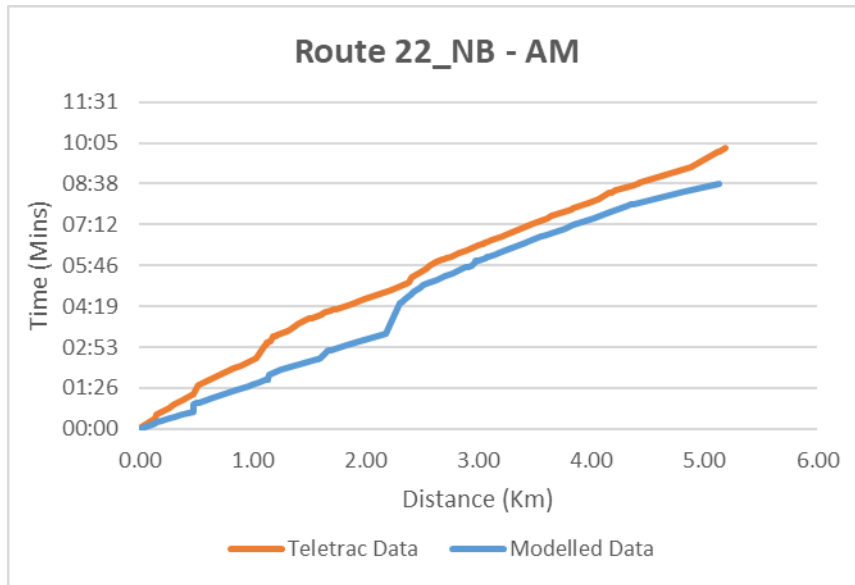
Journey Time 'Route 22'

Journey route 22 is around 5km long route via A224 between A224 – B2211 intersection and A224/A225 intersection. JT route no. 22 is shown below:

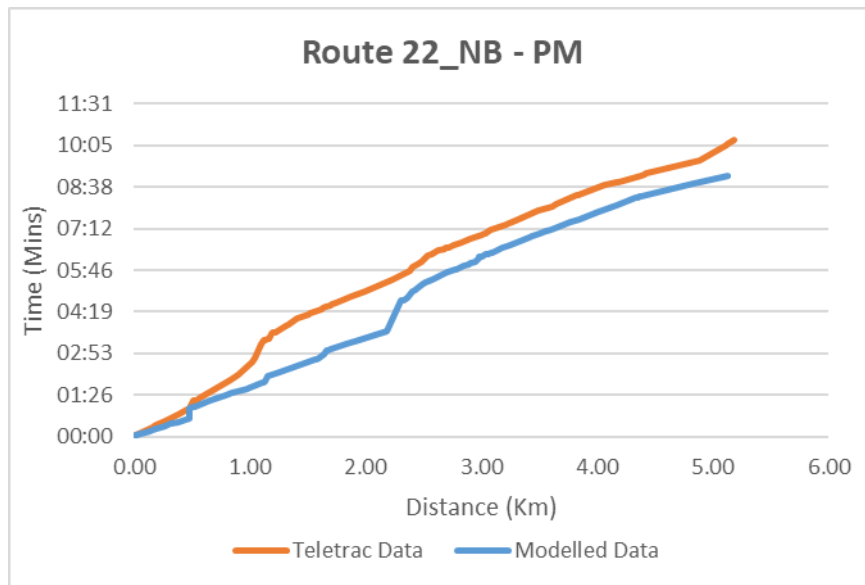


JT Route no. 22 in Sevenoaks

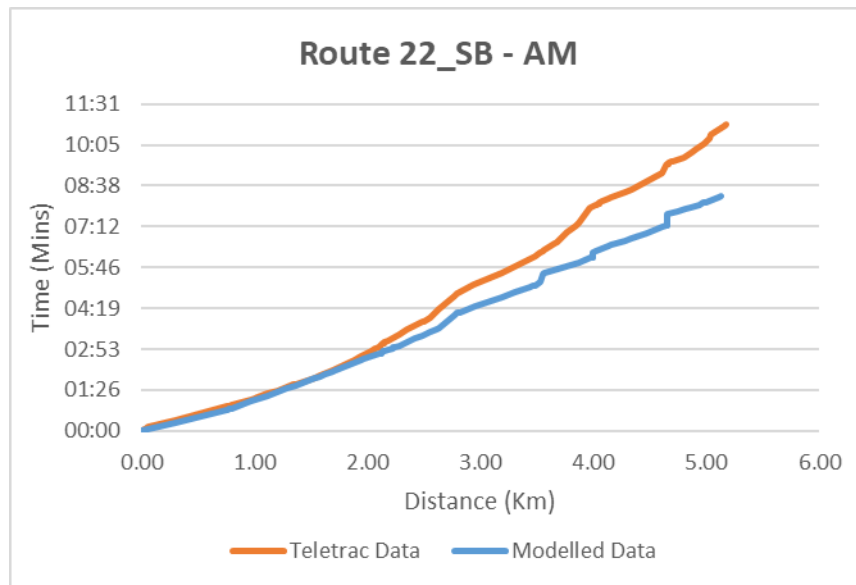
The route passed the criteria for Northbound direction with a difference of -13% in the AM peak and -12% in the PM peak. The criteria was not passed for Southbound direction, with a difference of -24% in the AM peak and -17% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



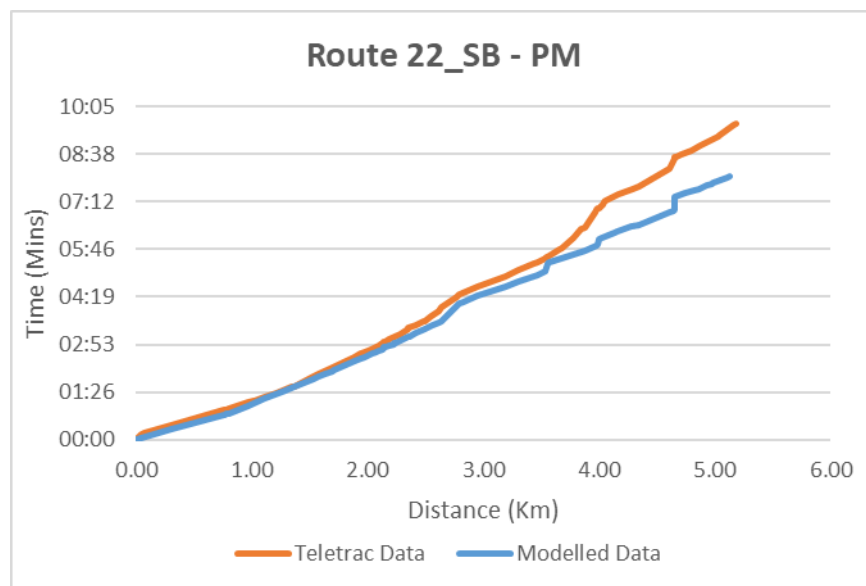
JT Route no. 22: AM Peak - NB Direction



JT Route no. 22: PM Peak - NB Direction



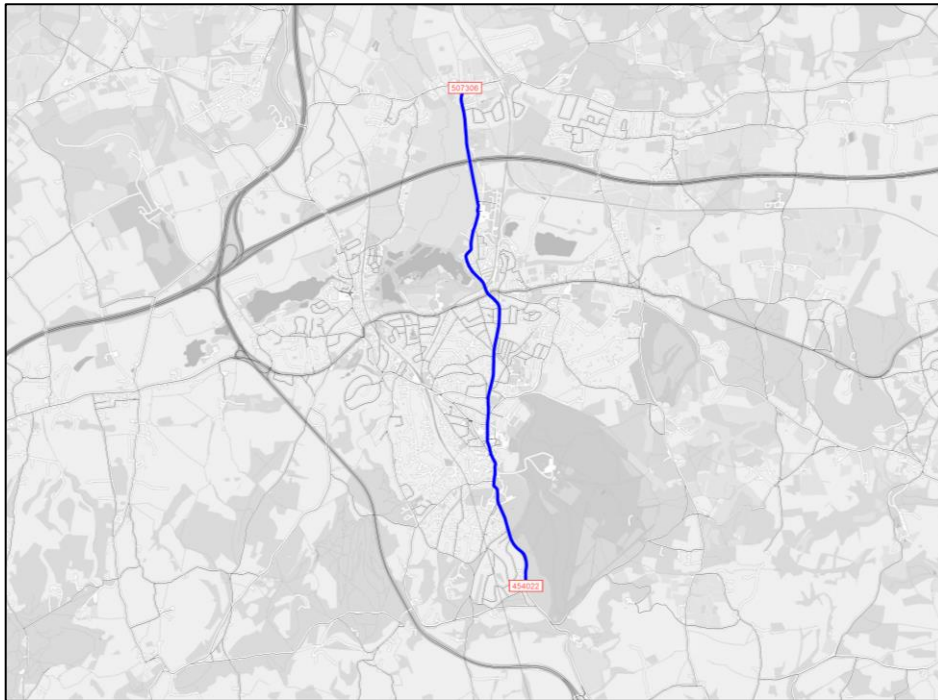
JT Route no. 22: AM Peak - SB Direction



JT Route no. 22: PM Peak - SB Direction

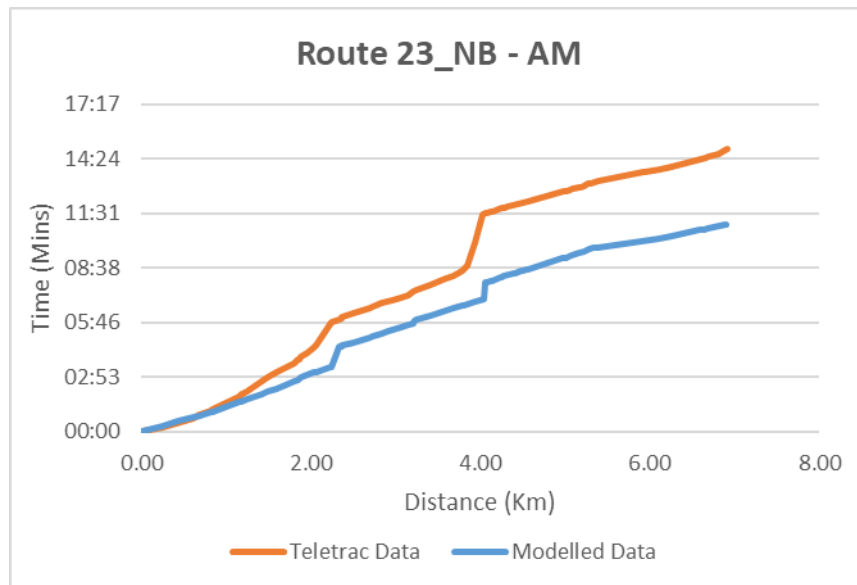
Journey Time 'Route 23'

Journey route 23 is around 7km long route via A225 between Otford and Letter Box Lane in Sevenoaks. JT route no. 23 is shown below:

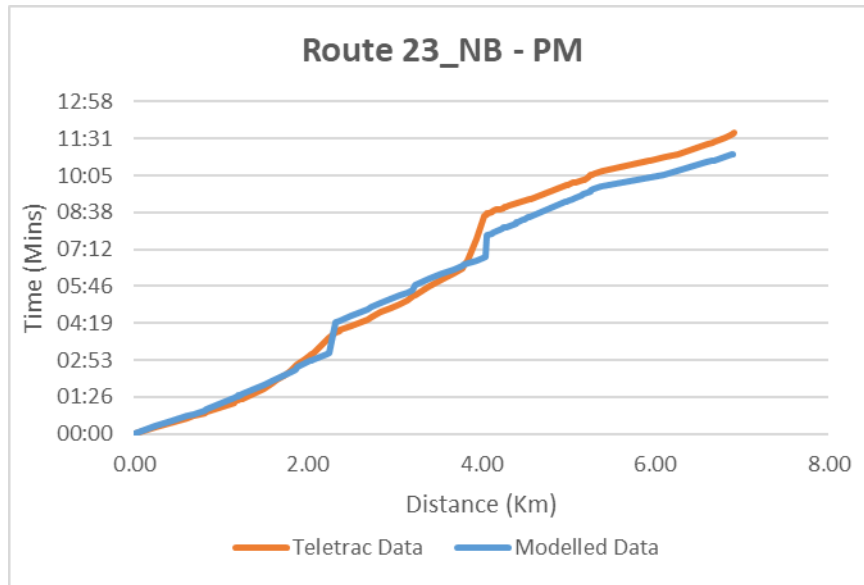


JT Route no. 23 in Sevenoaks

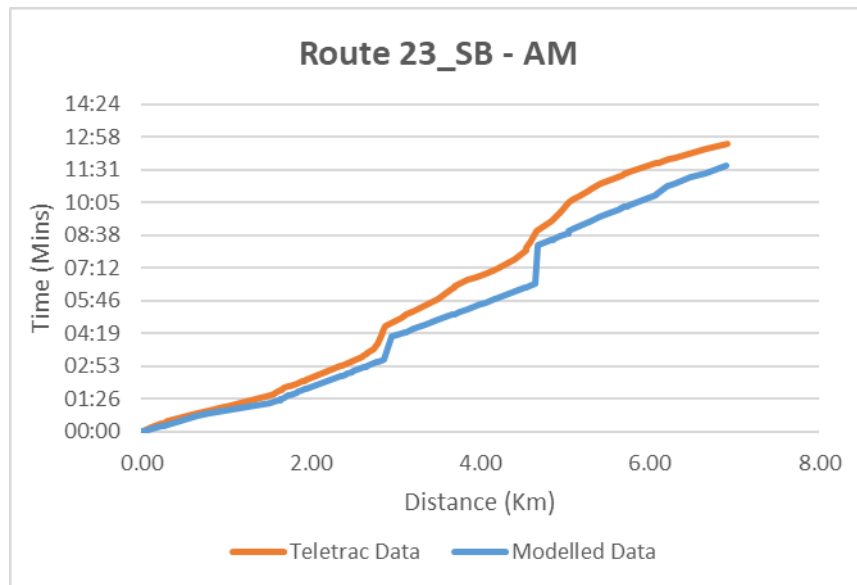
The route passed the criteria for both directions in the PM peak with the range of difference being between -7% to 4%. In the AM peak, the route passed the criteria in the Southbound direction (-8% difference) but not in the Northbound direction (-27% difference). Journey time route profile for each peak period in each direction are shown in the graphs below:



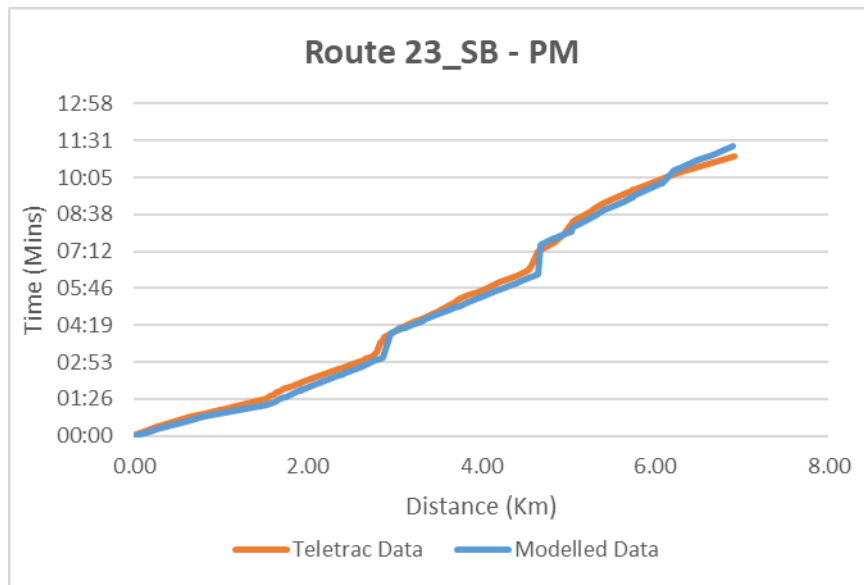
JT Route no. 23: AM Peak - NB Direction



JT Route no. 23: PM Peak - NB Direction



JT Route no. 23: AM Peak - SB Direction



JT Route no. 23: PM Peak - SB Direction

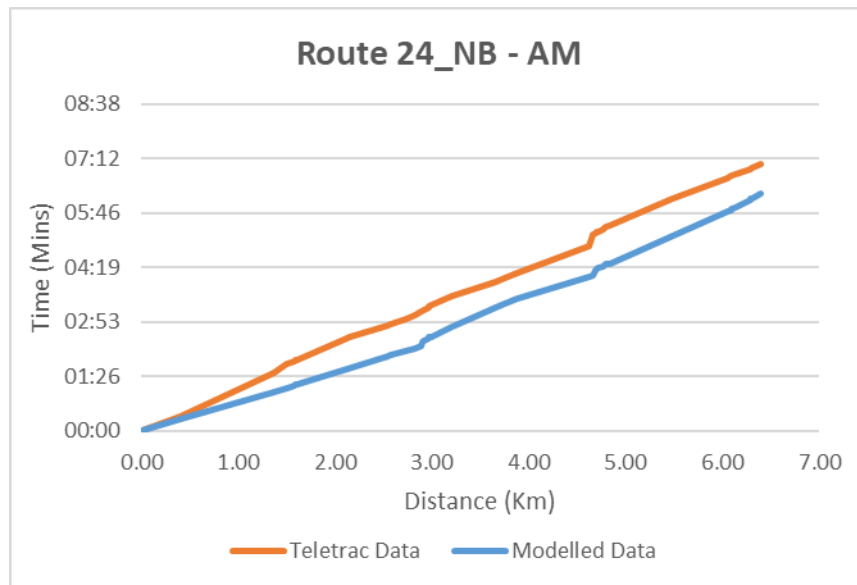
Journey Time 'Route 24'

Journey route 24 is around 6km long route via A224 between A224 Court Road – Warren Road intersection and A224 Polhill – London Road – Pilgrims Way intersection. JT route no. 24 is shown below:

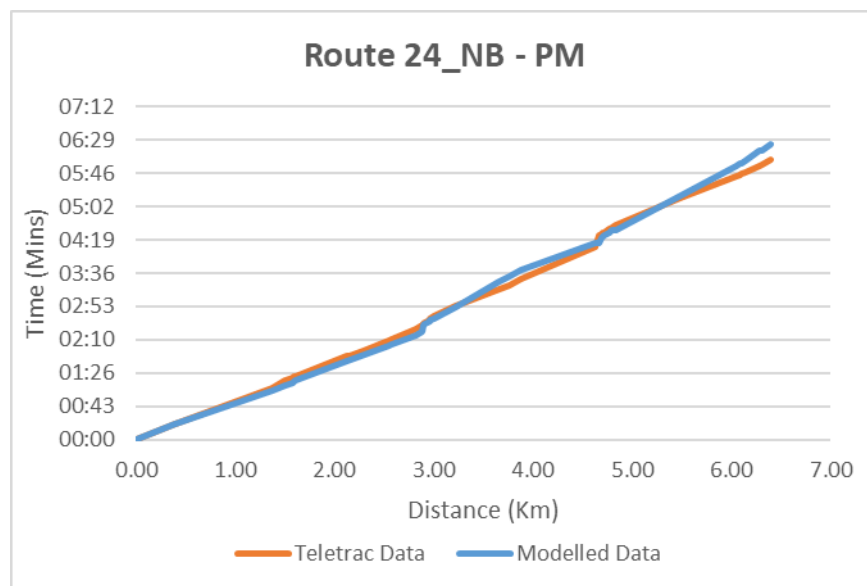


JT Route no. 24 in Sevenoaks

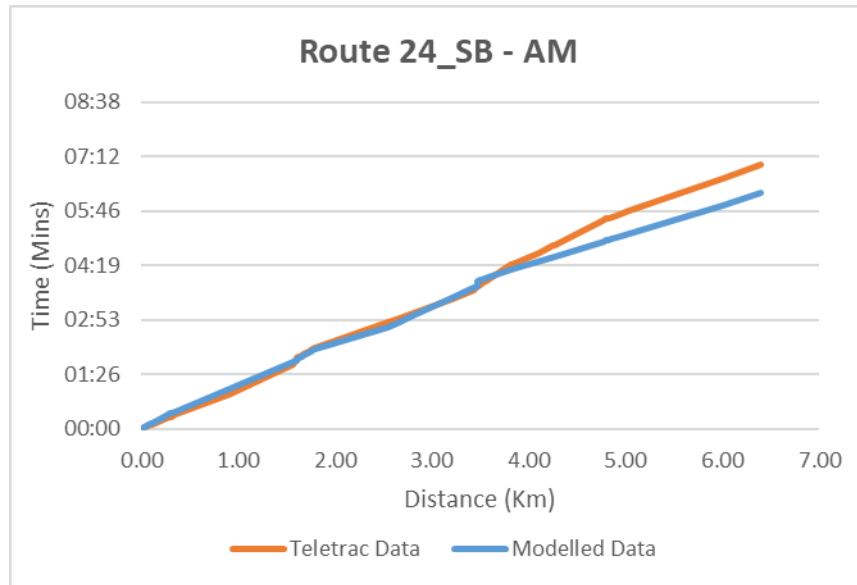
The route passed the criteria for both directions. The range of difference is -11% in the AM peak and 4% to 6% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



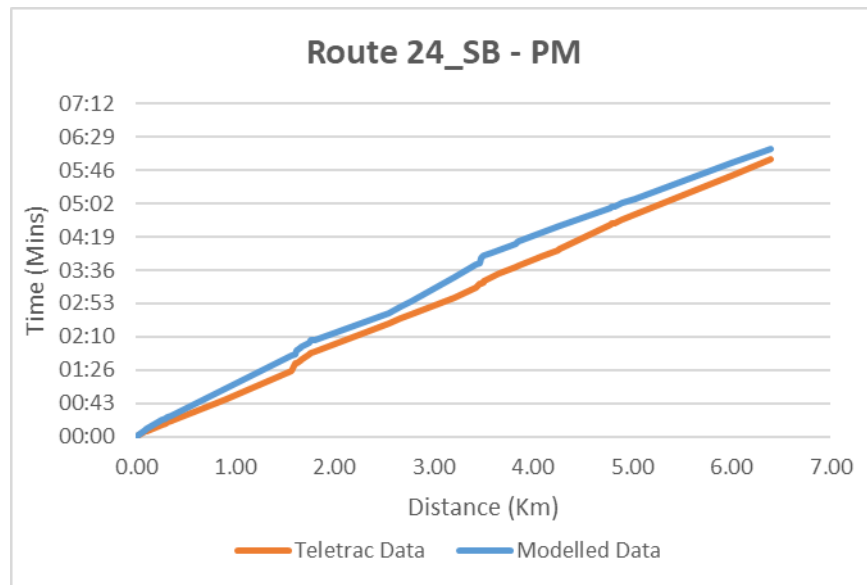
JT Route no. 24: AM Peak - NB Direction



JT Route no. 24: PM Peak - NB Direction



JT Route no. 24: AM Peak - SB Direction



JT Route no. 24: PM Peak - SB Direction

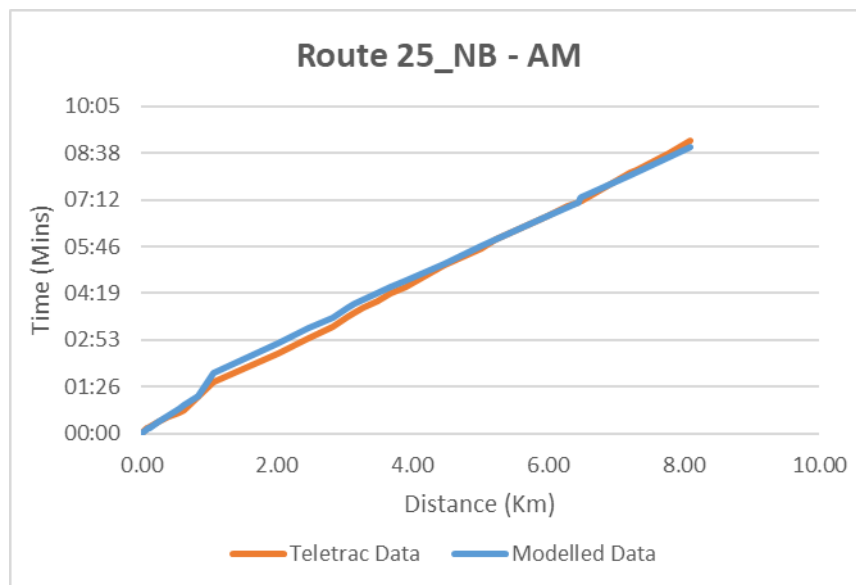
Journey Time 'Route 25'

Journey route 25 is around 8km long route via B2042/B2027 between Ide Hill and Station Road in Edenbridge. JT route no. 25 is shown below:

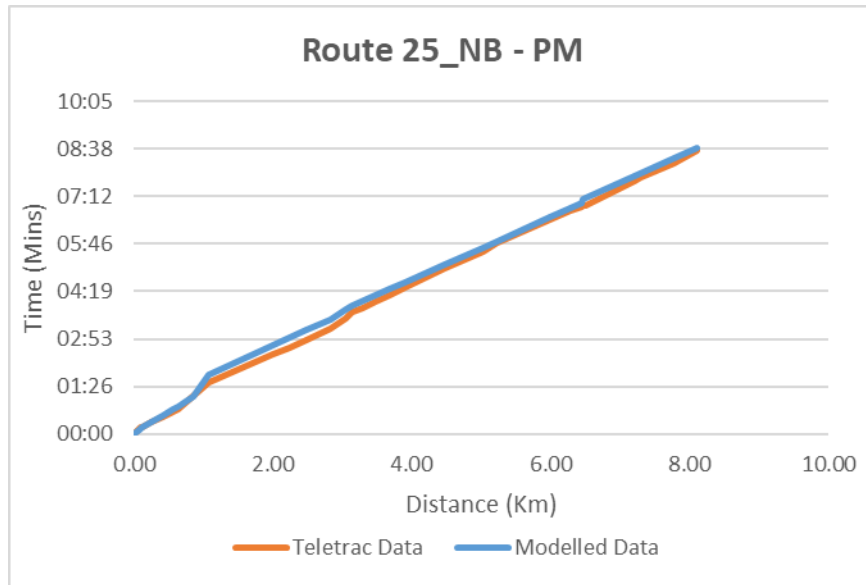


JT Route no. 25 in Sevenoaks

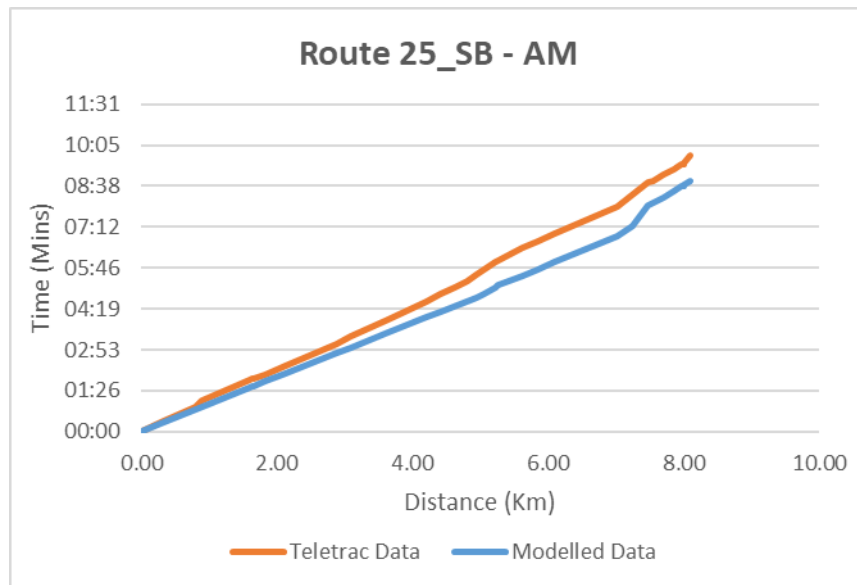
The route passed the criteria for both directions. The range of difference is between -9% to -3% in the AM peak and -1% to 1% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



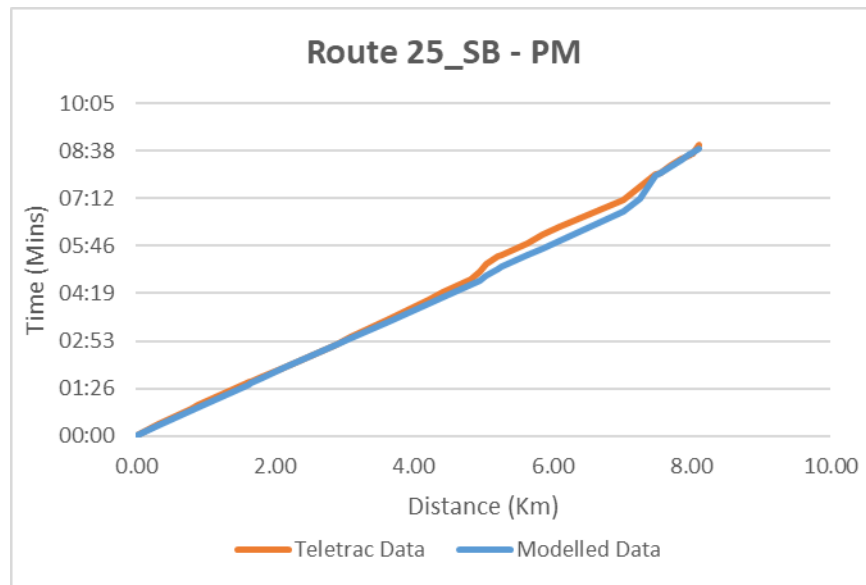
JT Route no. 25: AM Peak - NB Direction



JT Route no. 25: PM Peak - NB Direction



JT Route no. 25: AM Peak - SB Direction



JT Route no. 25: PM Peak - SB Direction

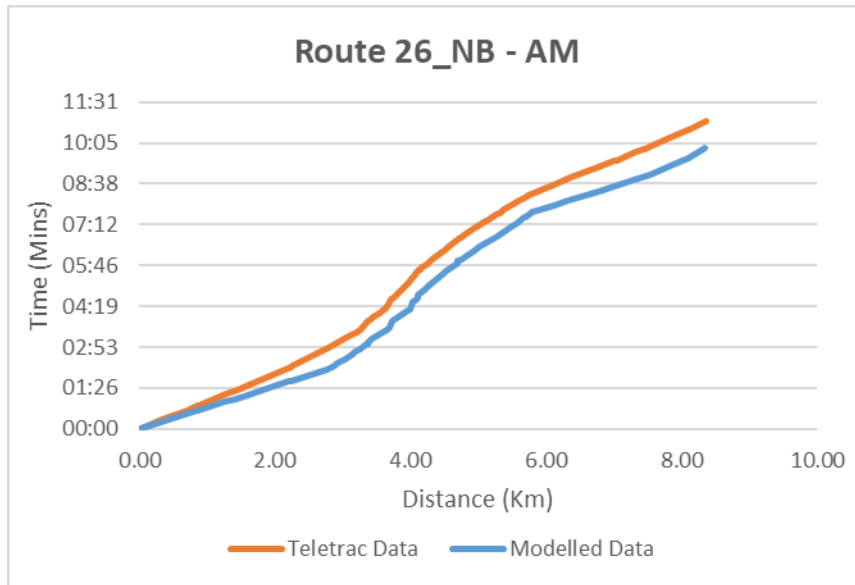
Journey Time 'Route 26'

Journey route 26 is around 8km long route via B2026 between B2026 Main Road – B269 Spout Lane intersection and B2026 Hartfield Road – Hever Lane intersection. JT route no. 26 is shown below:

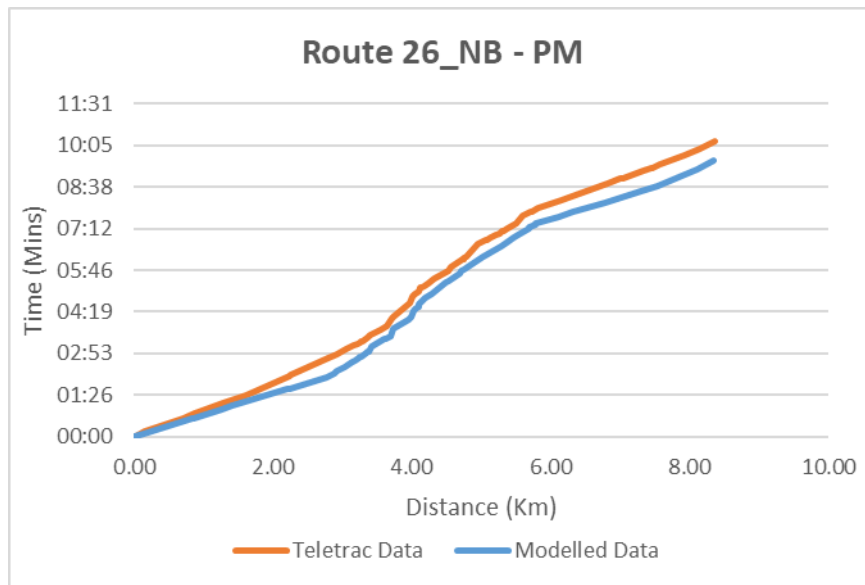


JT Route no. 26 in Sevenoaks

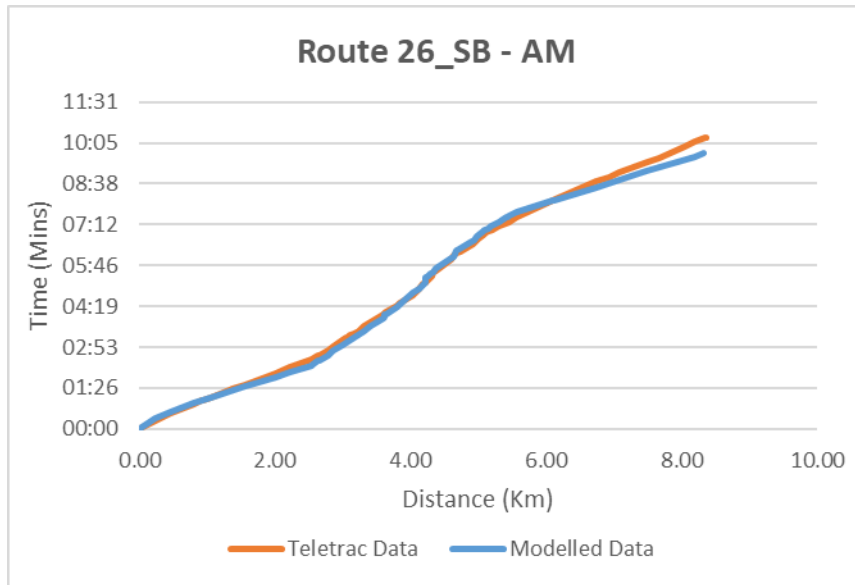
The route passed the criteria for both directions. The range of difference is between -9% to -6% in the AM peak and -6% to 1% in the PM peak. Journey time route profile for each peak period in each direction are shown in the graphs below:



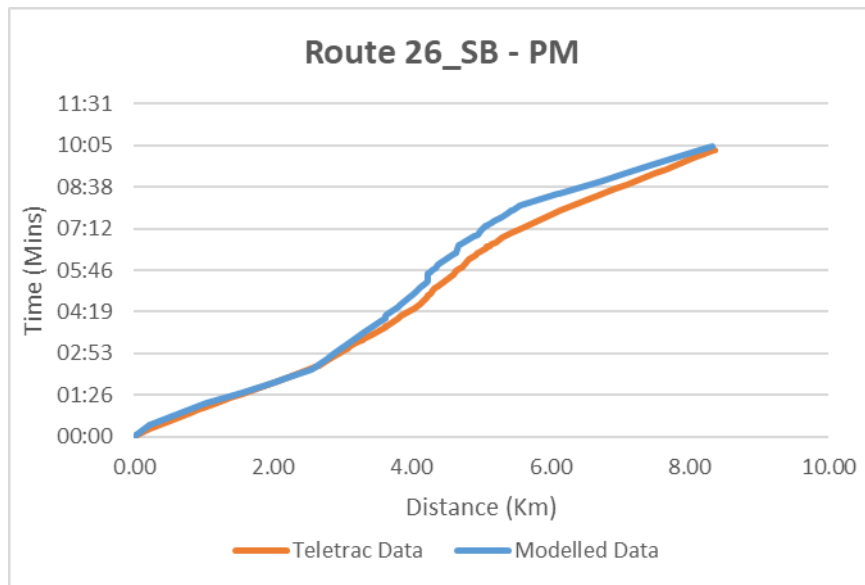
JT Route no. 26: AM Peak - NB Direction



JT Route no. 26: PM Peak - NB Direction



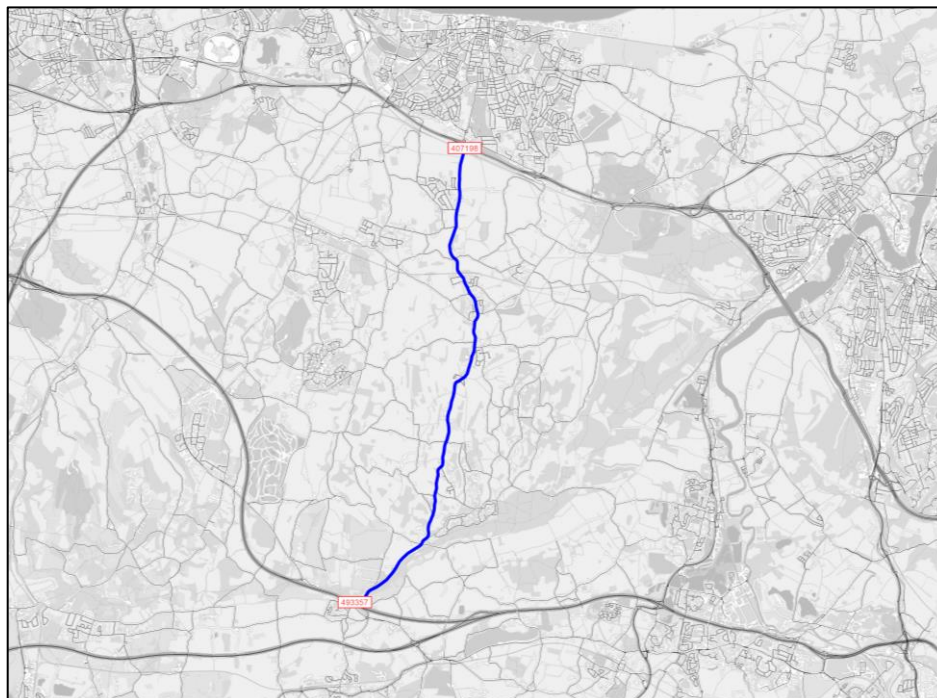
JT Route no. 26: AM Peak - SB Direction



JT Route no. 26: PM Peak - SB Direction

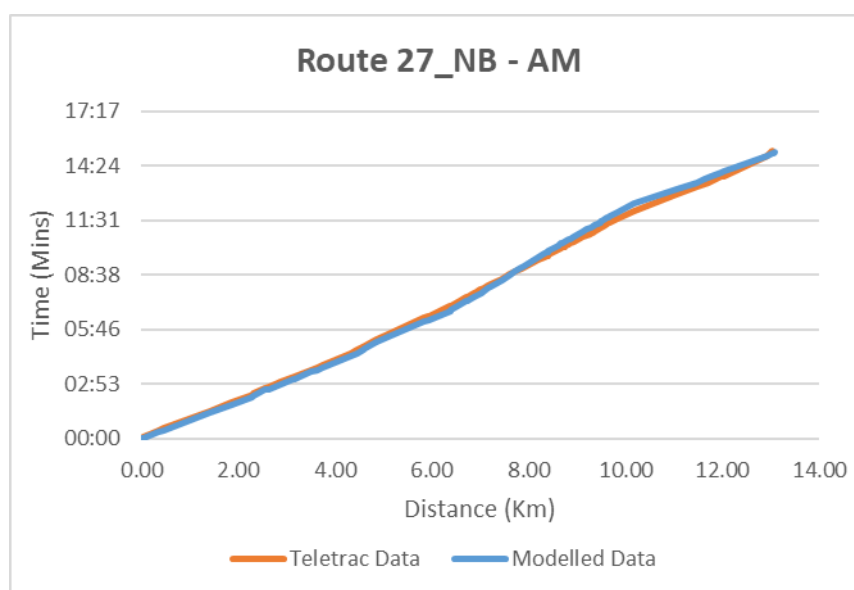
Journey Time 'Route 27'

Journey route 27 is around 13km long route via A227 between A2 – A227 intersection and A20 - A227 – Pilgrims Way intersection. JT route no. 9 is shown below:

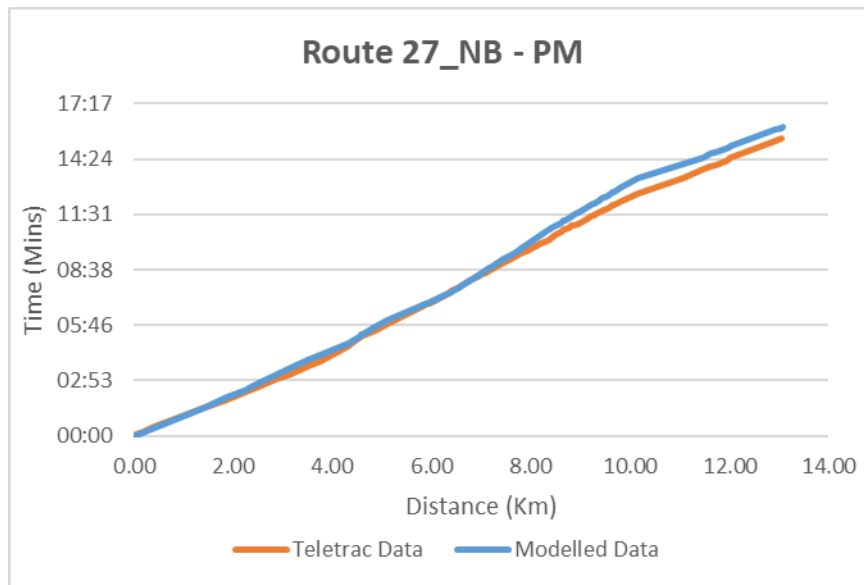


JT Route no. 27 in Gravesham

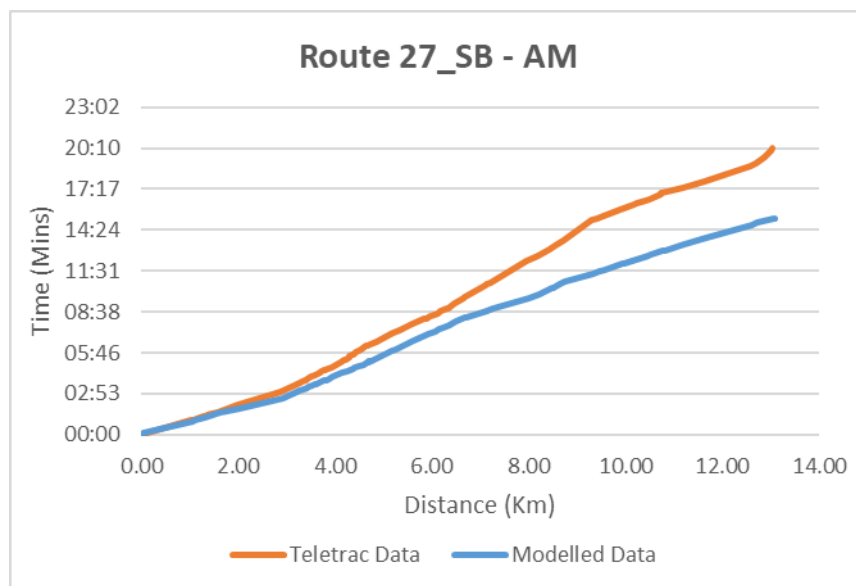
The route passed the criteria for both directions in the PM peak with the range of difference being between -1% to 4%. In the AM peak, the route passed the criteria in the Northbound direction (0% difference) but not in the Southbound direction (-24% difference). Journey time route profile for each peak period in each direction are shown in the graphs below:



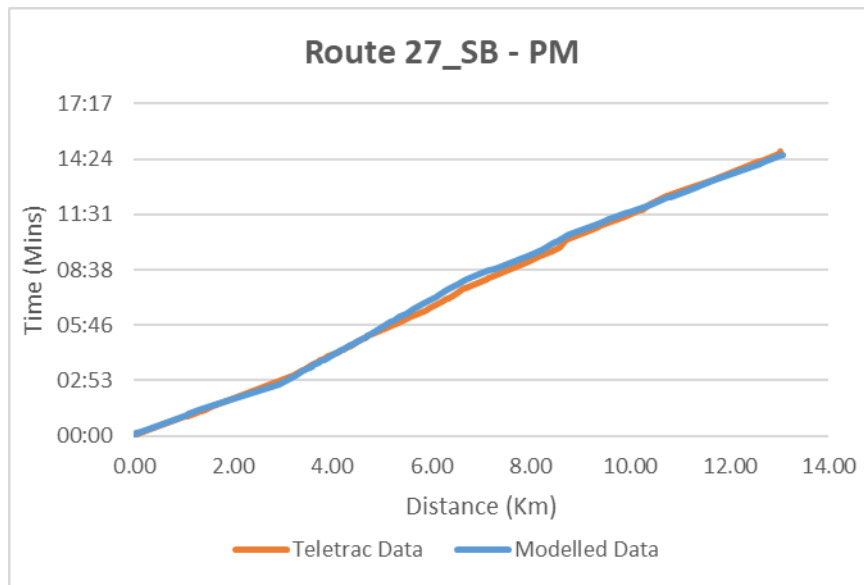
JT Route no. 27: AM Peak - NB Direction



JT Route no. 27: PM Peak - NB Direction



JT Route no. 27: AM Peak - SB Direction



JT Route no. 27: PM Peak - SB Direction

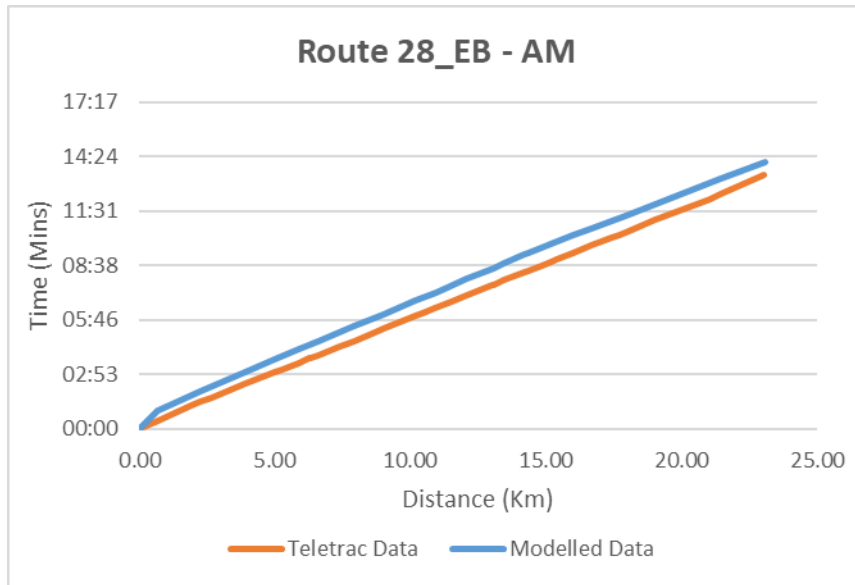
Journey Time 'Route 28'

Journey route 28 is around 23km long route via A2/M2 between A2 – M25 intersection and M2/A229 intersection. JT route no. 28 is shown below:

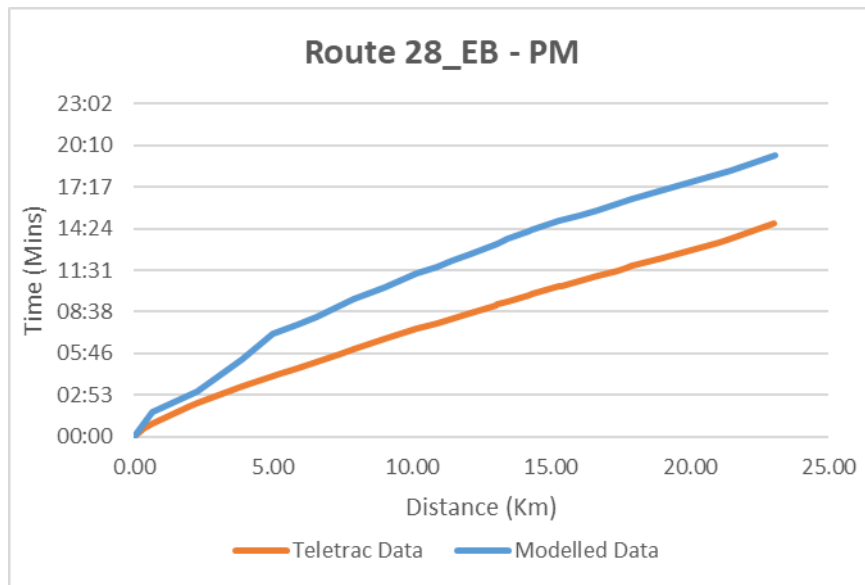


JT Route no. 28

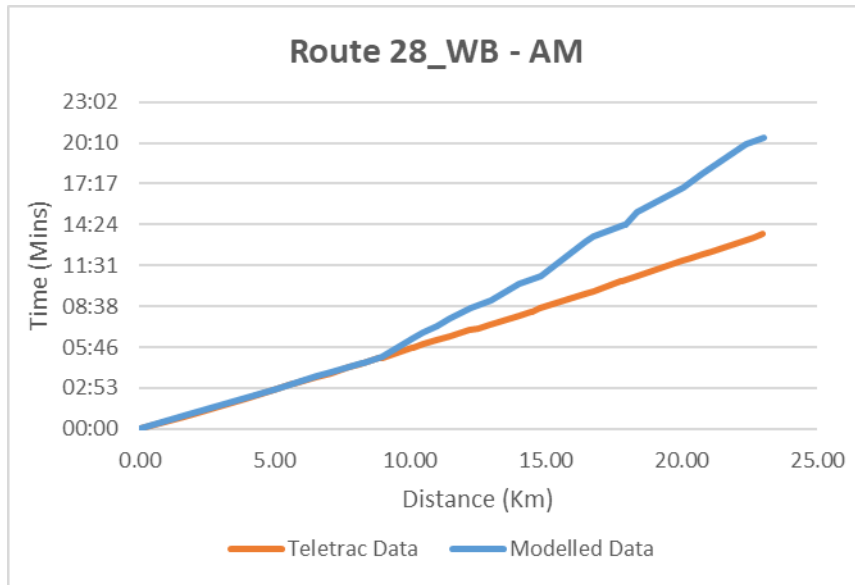
The route passed the criteria for Eastbound direction in the AM peak (5% difference) and for Westbound direction in the PM peak (9% difference). The criteria was not passed for AM Westbound (49% difference) and PM Eastbound (32% difference). Journey time route profile for each peak period in each direction are shown in the graphs below:



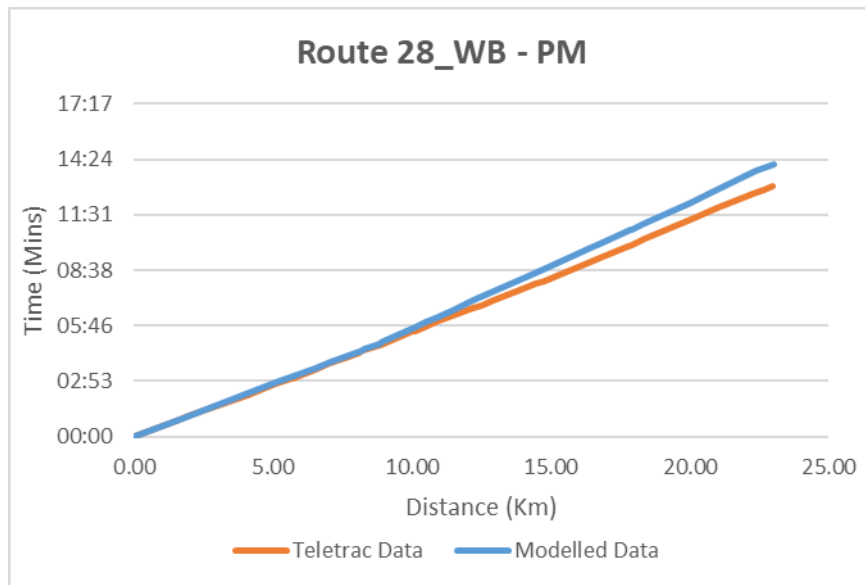
JT Route no. 28: AM Peak - EB Direction



JT Route no. 28: PM Peak - EB Direction



JT Route no. 28: AM Peak - WB Direction



JT Route no. 28: PM Peak - WB Direction