



## PROJECT: NATIONAL ROUTE N12

Client: South African National Roads Agency (SANRAL)

Location: N12 - Section 19 Jan Smuts / R21 (km 9.6) to Tom Jones (km 19.3)

Description: N12 Freeway Improvement.

### THE PROJECT:

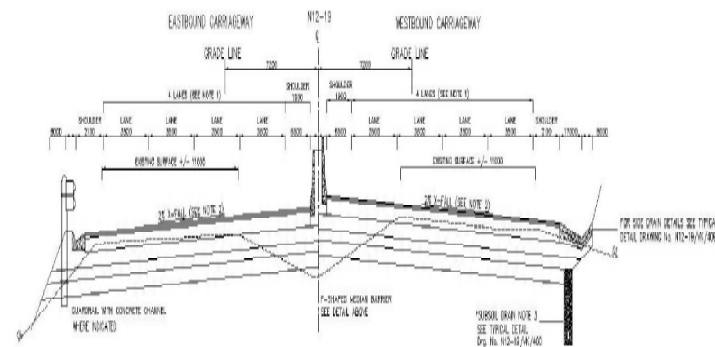
This contract comprises the upgrading of section 19 of the N12 including four interchanges. From west to east they comprise of the; Rietfontein, Rondebult, Atlas Road and the Tom Jones interchanges. Trichardt Bridge between Rondebult and Atlas Road demolished and reconstructed.

### THE APPOINTMENT:

Blue Quartz International was appointed to execute all civil and structural requirements for the N12 Section 19. Design of the widening of the bridge decks at Rietfontein, Atlas road and Tom Jones Bridge. Design Trichardt Road Bridge to four lane facility, adjusting the road grade line to comply with bridge clearances, earth retaining walls, median barrier. Finishing the reserve road and Pavement design.

### THE OUTCOME:

The project was well managed with very little interruption to traffic flows. Extensive training occurred with junior staff and engineering students being exposed to the issues surrounding this type of project. Innovative and modern design concepts were applied on this project.



N12-19 TYPICAL 4 LANE CROSS SECTION