

Terms of Reference

Request for Proposal for the Investigations on the Sectional Cracks Development of the Constructed Road

Background

Polokwane Municipality embarked on the project of upgrading the road of NTSHTSHANE stretching for approximately 5.848km in 2016. Conceptual Engineering was appointed as professional service provider for the planning, design and supervision of the project.

Due to budget constraints, Polokwane Municipality decided to implement the project in phases of which the first phase was done from then 19th of May 2017 to the 19th of October 2017 for a total length of 800m.

Thereafter, phase two (2) was constructed from the 8th of January 2018 to the 08th of November 2018, with total length of 1700m. Finally, phase three (3) was done from the 25th of April 2018 to the 25th of October 2018, with the total length of 1150m.

All the three (3) phases were done based on the same design criteria and the material used was borrowed from the same Borrow-pit. However, it was have noted that the second phase and the third phase of the project have developed cracks on some sections of the road.

Scope of work

Thus, Polokwane Municipality therefore wish to engage services of a specialised professional to assist the Municipality in further investigating the cause(s) of these cracks, the investigation should include:

1. Material investigation from the borrow-pit used located at co-ordinates S23° 49'49.54", E029° 43'18.89,
2. Investigations on sections of the road which have cracks, i.e. road starts = S23° 51'35.66", E029° 42'31.52" and road ends = S23° 52'24.43", E029° 40'46.78".
3. The design standards of the Professional Service provider and the lateral deficit of the service providers whom were constructing the road.
4. Provider recommendation on how best to solve this problem.