



Spatial Feature Report

T: +27 12 364 2546 | E: info@novus3.co.za Postnet Suite 471, Private Bag X15,

Menlo Park, 0102**www.novus3.co.za**

engineered solutions

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Spatial Query Report: SpatialFeatureChoice

This document was created *2022-04-08-14\_49* from the **City of Tshwane Metropolitan Municipality** CP3 system by the following user: *'Bernard'.*

The baseline **'2021/22 Planning + Rollover (20200901)'** with description: **'Duplicated from the 2020/21 Planning + Final Annexure A (20200625) Baseline'** was used. The spatial feature that was selected for the purpose of this report was: **'SpatialFeatureChoice'**.

This is a spatial feature report for the *City of Tshwane Metropolitan Municipality.* The data contained in this report was sourced directly from the municipality's live CP3 system. The information in this report therefore reflects the data as it was on the *2022-04-08* when this report was requested. Any subsequent updates to the data contained the CP3 System related to the applicable baseline from which this reports was drawn, would therefore not reflect in this report.   
  
For the *City of Tshwane Metropolitan Municipality, the following spatial features are available for the purpose of developing* 'Spatial Query Reports' (similar to this report):

* City of Tshwane mSCOA Regional Segment
* City of Tshwane Regions
* City of Tshwane Wards



We hope you find this useful! Sincerely, *The Novus3 Team.*

# Introduction

The baseline that was queried for this report contains *1029* projects of which a total of *27 (2.62%)* projects do not have any recorded intersection (overlap) with SpatialFeatureChoice.The following spatial features are available for queries using this API profile:

* City of Tshwane mSCOA Regional Segment
* City of Tshwane Regions
* City of Tshwane Wards

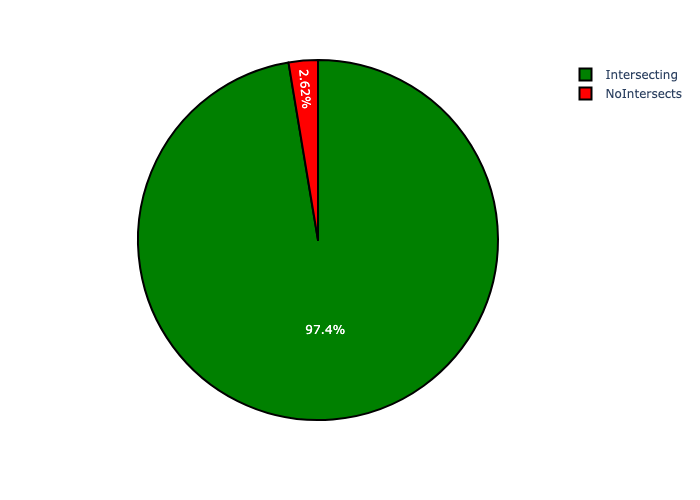
The probable reasons for the 27 non intersecting projects reported are that:

* these projects simply do not have a location associated with them yet (most frequently the case with 'no-intersect' projects) or;
* the location that was captured for some of these projects, may have been in the wrong place (e.g. outside the boundaries of Tshwane - this is very rarely the reason).

It is important to take note of the 2.62% projects that do not intersect with SpatialFeatureChoice feature when appraising this report.

The 2.62% of non-intersecting projects is a relative low percentage and therefore not much cause of concern for this particular report.

Figure 1: Intersecting vs Non-Intersecting Projects



# SpatialFeatureChoice Analysis

There is a total number of **8** *SpatialFeatureChoice.* Each of the *SpatialFeatureChoice* has two important perspectives namely:

* the number of projects within each geographic area and;
* the total capital demand per area.

The following information relates to the number of projects in SpatialFeatureChoice:

* Region 3B: Central Region has the highest number of projects: 200 projects (19.96% of total number of projects);
* Region 7: Kungwini has the lowest number of projects: 48 projects (4.79% of total number of projects);
* The average number of projects per SpatialFeatureChoice is 125 projects;
* The 75th percentile of projects per SpatialFeatureChoice is 177.25 projects;
* The total number of projects in all SpatialFeatureChoice is 1002 projects;

The following information relates to the capital demand in SpatialFeatureChoice:

* Region 1: Northwest has the highest capital demand: R2,047,902,425 (19.55% of total capital demand);
* Region 3A: Central Region has the lowest capital demand: R345,157,727 (3.30% of total capital demand);
* The average capital demand per SpatialFeatureChoice is R1,309,311,390;
* The 75th percentile of capital demand per SpatialFeatureChoice is R1,742,064,371.
* The total capital demand in all SpatialFeatureChoice is R10,474,491,119;

Figure 2: Projects and Capital Demand per SpatialFeatureChoice

