



## PART C4: SITE INFORMATION

Core clause 11.2(16) states

"Site Information is information which

- Describes the Site and its surroundings and
- Is in the documents which the Contract Data states it is in."

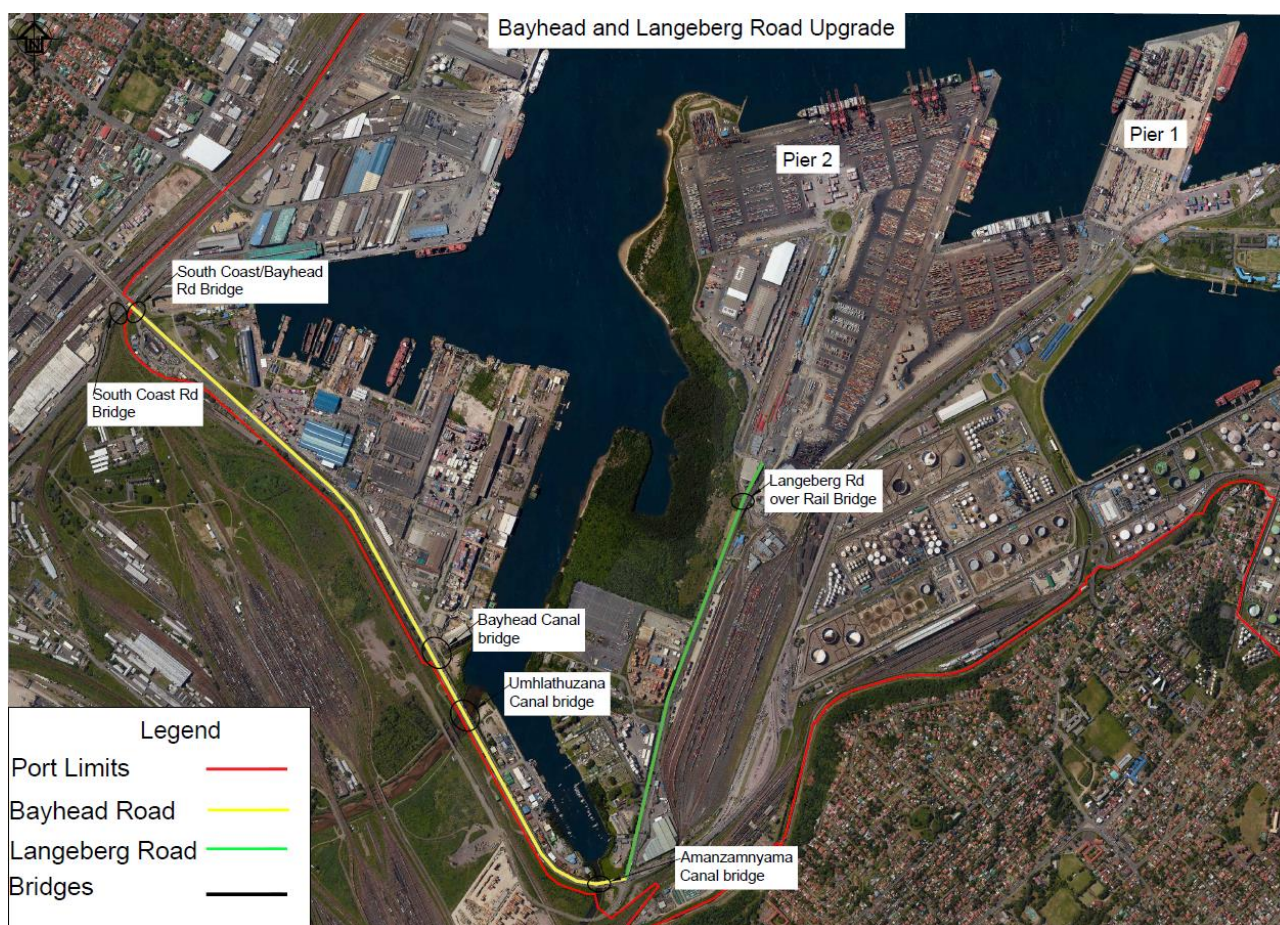
In Contract Data, reference has been made to this Part C4.1 of the contract for the location of Site Information.

### C4.1 SITE INFORMATION

#### 1. Description of the Site and its surroundings

##### 1.1. General description

Bayhead road and Langeberg roads are the only road link to the major container terminals and other terminals at the Port of Durban. Bayhead road has two major intersections, South Coast Road at the start (west), four minor intersections in between the next major intersection which is Langeberg Road (east). Bayhead Road continues onto Pier 1 and Iran Road intersects with Bayhead Road in between Langeberg Road and Pier 1. Bayhead Road also provides access to Bayhead Park. Figure 1 below shows Bayhead and Langeberg Roads leading to Pier 1 and Pier 2 respectively, and the six bridges that will be widened.



**Fig. 1** Bayhead and Langeberg Roads, Aerial View

## 2. Study Area

Figure 2 below shows the Traffic Impact Assessment (TIA) study area. The study area covers the following roads:

- Southern side of Bayhead/Langeberg intersection up to Iran Road/Cutler entrance (Including the By-Pass Road).
- South Coast Road past Eel Roads turn-off before it underpasses the M4.
- The R102 up to the Sarnia Road intersection.
- Umbilo and Sydney Roads, including Rick Turner Road.





**Fig. 2** Traffic Impact Assessment Study Area

### 3. Access and access permits

Bayhead and Langeberg are public roads within eThekweni Municipality. Bayhead road starts at the intersection of South Coast Road and Maydon Road, and it stretches for about 2,954 km up to the intersection with Langeberg Road where the upgrade will end. The road continues from that intersection to Pier 1. Langeberg Road starts at the intersection with Bayhead Road and it continues for about 1,634 km up to Pier 2 entrance where the upgrade will end. Bayhead Road can be accessed from R102 (Sydney Road) and then left turn to the intersection of Bayhead Road and South Coast Road. Langeberg Road can be accessed from the intersection with Bayhead Road up to Pier 2 Entrance. There is access control along Langeberg Road at the entrance to Pier 2. It is a fundamental requirement that the *Consultant* familiarizes himself with the eThekweni Transport Authority systems and the road network leading to Pier 1 and Pier 2. The *Employer* shall grant access to the site of works.



### **Maintaining road access**

The surrounding areas of Bayhead and Langeberg Roads are used by the public whose varying interests shall be protected where possible by the *Consultant* during the contract. The *Consultant* shall ensure the safe passage of traffic along the roads at all times.

### **Existing services**

TNPA will issue all available drawings in PDF format for the *Consultant* to confirm existing services. In addition to the above, the *Consultant* shall identify all affected underground services. This includes manual excavations and ground penetration radar scanning. The *Consultant* shall be liable for all claims arising out of any damage caused by such excavation, if the *Consultant* fails to exercise the requisite care and attention in carrying out the excavation. The existing services shall be protected when excavating.

There are six bridges in total along Bayhead and Langeberg Roads. The two roads cross over other roads, railway lines and water channels, and the roads are close to the port. The site is generally flat and slightly sloping in some sections. There is no truck staging area from the point where Bayhead Road starts to the entry point into Pier 2 where Langeberg Road ends. Heavy trucks constitute most of the traffic along the two roads.

### **Restrictions and Constraints**

- i. Access difficulties to bridges and canals during high tides.
- ii. Traffic congestion can restrict work and delivery of material on the roads.
- iii. Proximity of the Trawlers Wharf workshops to Bayhead Road.
- iv. Bayhead Road is next to Bayhead Canal, and this restricts the extent of widening the road.
- v. There was a realignment of Bayhead Road over Bayhead Canal. The road moved more to one side closer to the boundary. The *Consultant* may need to take the road back to its original alignment.

### **Legal Aspects**

TNPA are the owners of the land where the widening of Bayhead and Langeberg Roads will take place. The upgrade will be done within the port boundaries, and widening should not go beyond port boundaries.

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