

Location

7 Mile Rail Yard, WA

Client

Rio Tinto Iron Ore

Total Project Value

Commercial in Confidence

Role

Client Representative

Management of Preliminary Engineering Study (PES)

Services Provided

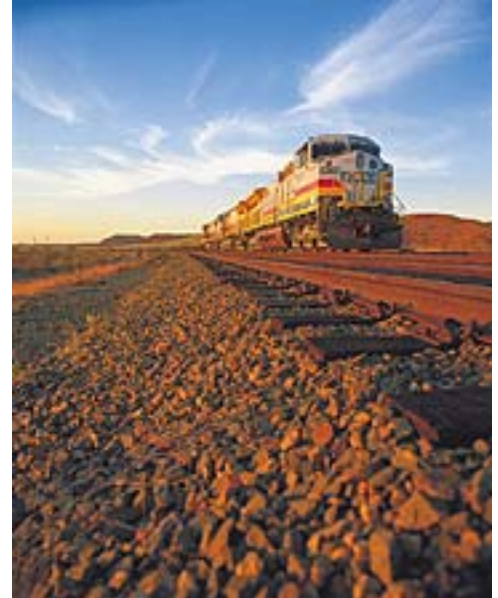
Project Design Management

Preparation of Tender Packages for PES

Management of Tender / Contracting Process for PES

Project Scheduling and Cost Control

Liaison with Rail Operations and Maintenance Personnel



Project Overview

The 7 Mile Yard is used for storage of trains (loaded waiting to go to the port facilities, unloaded as they wait to travel to a mine site), removing and replacing ore cars for maintenance purposes, and storage of rolling stock not currently being used.

Due to the design of the yard there are inherent inefficiencies in the operation (use of shared track, tracks being too short to prevent interference with other tracks). This has led to the yard being a bottleneck in train movements.

The PES investigated how the yard efficiency could be increased with minimal construction impact on operations. The recommended solution was to extend the yard at both ends, as well as creating a "herringbone" pattern with existing internal roads to allow maximum flexibility of train wagon movements.

The study also investigated existing power, communications, track control and services (compressed air, water, drainage and lighting) and the requirements to upgrade these in line with current and future yard requirements.

IPS managed the engineering study and production of the capital cost estimate, as well as the detailed execution schedule. IPS also produced a Communications Plan and Operations Interface Plan to manage future work in the yard.

