



DATE: 12 December 2016
SCOPE: Option I2 : Stage 1a

ORDER OF COST ESTIMATE

DESCRIPTION	UNIT	QUANTITY	RATE	ITEM COST	CONTINGENCY		TOTAL ITEM COST	COMMENTS
					%	\$		
STAGE 1a								
Earthworks								
Light clearing and stockpile	sqm							site is 350,000m ²
Cut to disposal (mounds)	cum							to 1m depth over half the area
Imported Fill (in place)	cum							from Blue Circle
FCR Capping layer 150mm	sqm							track area is 2555m x 7m = 15000 approx
Additional landscaping	Item							
Perimeter earth mounds, 2m high	cum							perimeter is 3400m
Drainage								
Stormwater	m							Deleted - Confidential
Retention basin	Item							600 mm dia RCP (allowance for rock)
Sullage separation pit	Item							
Rainwater Storage	Item							
Kerb & Channel on car parks	m							
Side entry pits, grated pits, junction pits	No.							
Pipe connections to main drainage	m							Deleted - Confidential
Trackwork								
Supply and install 1 in 7.52 turnouts	No.							
Supply and install 1 in 9 turnouts	No.							
Construct new stabling track	m							50kg track
Track Drainage (Subsurface drain)	m							150mm dia slotted PVC including pits
Track Cess Drains	m							
Steel Buffer Stop	No.							Deleted - Confidential
Facilities								
Train crew amenities	sqm							
Stores building	sqm							
Cleaners Store and amenities	sqm							
Covered Platform	m							Deleted - Confidential
Maintenance Facility								
Maintenance Building	Item							Nominal sum
Civil Works								
Security fencing with Tiger tape wire	m							Allow for gates
Footpath	sqm							40mm thick asphalt
Train gate	No.							Exclude interlocking
Rail Bridge	No.							Deleted - Confidential
Road Over Rail Bridge								
Deck	sqm							10m wide
Approaches	sqm							10m wide
Access Roads, Hardstanding, Vehicle Parking								
Access Road	sqm							imported limestone select fill
Loading, handling area	sqm							
Car parking	sqm							
Mechanical Services								
Yard lighting	No.							Deleted - Confidential
Fire services	Item							
CCTV system	Item							
Electricity supply	Item							
Sewerage	Item							
Water	Item							
Signalling (Main Line)								
Signals	No.							
Points	No.							
Level Crossing Upgrade	No.							Reservoir Road
Signalling (Siding)								
Dwarf Signal	No.							Deleted - Confidential
Signals	No.							
Points	No.							
Interlocking gate	No.							
MISCELLANEOUS								
Land Acquisition	sqm							
Services relocation	No.							Nominal sum
De-contamination	No.							
Environmental Works	No.							Nominal sum
Traffic Mitigation Works	No.							Deleted - Confidential
Total Direct Cost								
On Costs								
Design Cost & Project Management								
Contractor's On costs								
Contractor overheads and margin								
Lessee/Operator PM (minor role)								Deleted - Confidential
Other Authority/Agency Consultee charges								
Project Insurance								
DOT PM (major role)								
Total On Cost								
TOTAL CONSTRUCTION COST								
Risk Adjustment								
Unplanned / Out of Scope Risks								
Escalation Risk								
Total Project Risk Adjusted Cost								
DOT Corporate Levy								
DOT Project Development Levy								
TOTAL PROJECT COST								
At 2016 cost								