

DATE: 12 December 2016
 SCOPE: **All Options: Stage 1b**

ORDER OF COST ESTIMATE

DESCRIPTION	UNIT	QUANTITY	RATE	ITEM COST	CONTINGENCY		TOTAL ITEM COST	COMMENTS
					%	\$		
STAGE 1b								
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 3285m x 7m = 15000 approx
Additional landscaping	Item							
Perimeter earth mounds, 2m high	cum							perimeter is 4000m
								Deleted - Confidential
Drainage								
Stormwater	m							600 mm dia RCP
Retention basin	Item							
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							
Static Fuelling facility	No.							
Fuel Tanks	No.							0.4 ML capacity
Concrete slab for fuel tanks	cum							30 m x 65 m x 0.5 m
Fire protection equipment at Fuel Storage	Item							
Carwash	Item							nominal sum
Biowash	Item							nominal sum
Covered Heavy Duty cleaning	m							
Wheel Lathe	Item							
								Deleted - Confidential
Civil Works								
Security fencing with Tiger tape wire	m							Allow for gates
Footpath	sqm							40mm thick asphalt for six sidings
Train gate	No.							Exclude interlocking
								Deleted - Confidential
Acces Roads, Hardstanding, Vehicle Parking								
Access Road	sqm							Deleted - Confidential
Loading, handling area	sqm							
Car parking	sqm							
								Deleted - Confidential
Mechanical Services								
Yard lighting	No.							
Fire services	Item							
CCTV system	Item							
Electricity supply	Item							
Hydraulics	Item							sewer extraction and water supply for train servicing
								Deleted - Confidential
Signalling (Siding)								
Signals	No.							
Points	No.							
								Deleted - Confidential
MISCELLANEOUS								
Land Acquisition	sqm							
Services relocation	No.							Nominal
De-contamination	No.							Nominal
Environmental Works	No.							Nominal
Traffic Mitigation Works	No.							Nominal
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								
								Deleted - Confidential
DOT Corporate Levy								
DOT Project Development Levy								
TOTAL PROJECT COST								
								At 2016 cost