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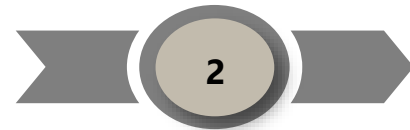



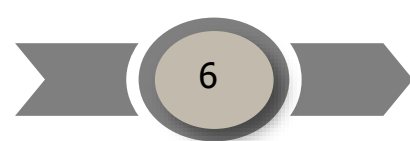
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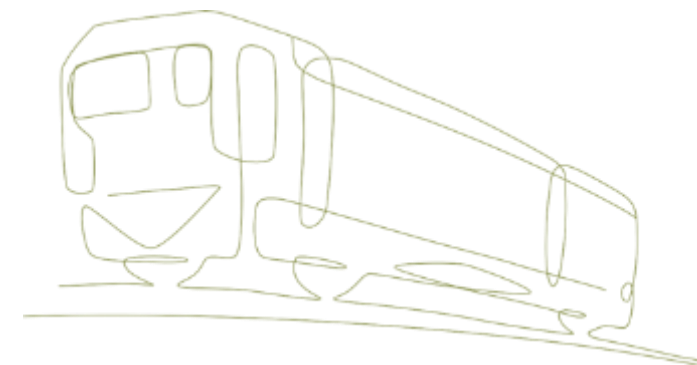
Ukuvuselela Automotive Project: Feasibility and Bankable Feasibility Study (Briefing Session)

Presentation to:
Bidders & Project Team

Date: 20 January 2023

Content:

- 1 Background
- 2 High Level Scope
- 3 Work Breakdown Structure
- 4 Single Go Forward Solution
- 5 Detailed Scope of Work
- 6 Appendices



Background

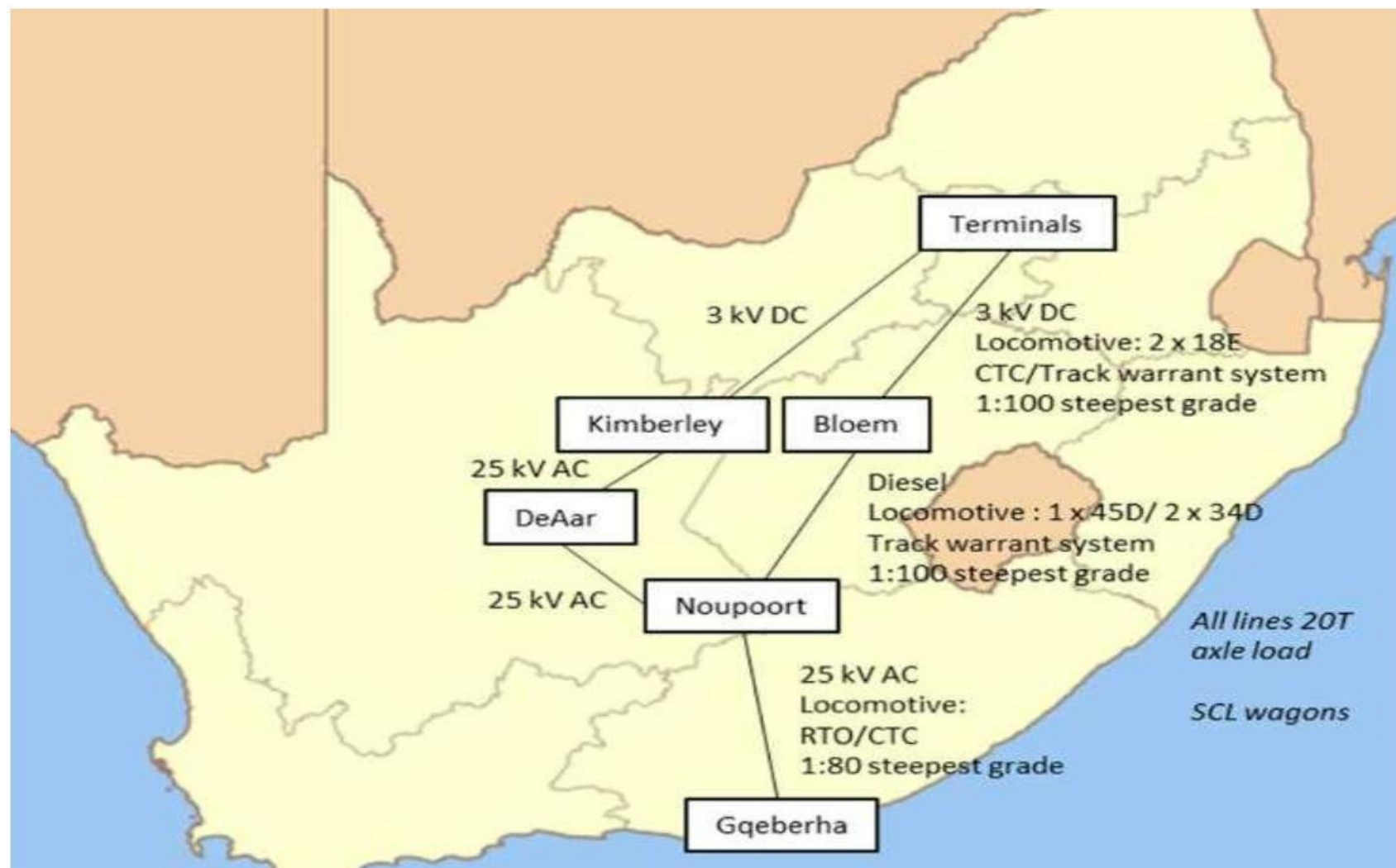
- ❖ This document provides clarity on the scope of work for the Feasibility Study of the infrastructure requirements for the bankable Project Ukuvuselela Solution: Gauteng – Eastern Cape High-Capacity Rail Corridor for Automotive Volumes.
- ❖ The refocused Project Ukuvuselela objective is to deliver the Ford SA forecast demands for future Fully Built-up Units (FBU) and to deliver the required rail capacity via the SouthCor from Waltloo and Kaalfontein in Gauteng to the Port of Port Elizabeth (PoPE) in Gqeberha by 2026.
- ❖ The drive to increase rail traffic for automotive along the SouthCor route is a direct result of the expansion plans of Ford SA. Ford SA is in the process of increasing their exports from 58,150 FBU's in 2021/22 to 136,290 FBU's in 2023/24, then to a total of 151,141 FBU's by 2029/30. This is a near three-fold increase from the current volumes for Ford. Ford currently requires one 40 wagon train per day on average. This will increase to 3 trains with 50 wagons per day by 2026.

High Level Scope: Ukuvuselela Automotive Project

- ❖ The objective of the project is to appoint an EPCM Consultant to conduct a Feasibility and Bankable Feasibility study including an EIA for the following Work Packages:
 - Watloo Yard
 - Kaalfontein Yard
 - Mainline loop extensions x 17
 - Port of Port Elizabeth Yard and Siding

- ❖ Duration: **12 months**
- ❖ Contract Type: **Option A (Priced contract with activity schedule)**

High Level Scope: Ukuvuselela Automotive Project



Work Breakdown Structure: Ukuvuselela Automotive Project (Pretoria to Port of PE via Bloemfontein – Noupoot)



Location	Work Package	Discipline
Gauteng Works	Watloo Yard	Civil, Perway, OHTE, Electrical & Signalling
	Kaalfontein Yard	Civil, Perway, OHTE, Electrical & Signalling
Main Line 7 x Loops Extension (Bloemfontein to Noupoot)	Hamilton Loop	Civil, Perway, Signalling & Structures
	Hertzberg Loop	Civil, Perway, Signalling & Structures
	Landmeter Loop	Civil, Perway, Signalling & Structures
	Lofter Loop	Civil, Perway, Signalling & Structures
	Priors Loop	Civil, Perway, Signalling & Structures
	Norvalspont Loop	Civil, Perway, Signalling & Structures
	Colesberg Loop	Civil, Perway, Signalling & Structures
Main Line 10 x Loops Extension (Noupoot to Gqeberha)	Carlton Loop	Civil, Perway, Structures, OHTE & Signalling
	Flonker Loop	Civil, Perway, Structures, OHTE & Signalling
	Tafelberg Loop	Civil, Perway, Structures, OHTE & Signalling
	Visrivier Loop	Civil, Perway, Structures, OHTE & Signalling
	Marlow Loop	Civil, Perway, Structures, OHTE & Signalling
	Mortimer Loop	Civil, Perway, Structures, OHTE & Signalling
	Thorngrove Loop	Civil, Perway, Structures, OHTE & Signalling
	Saltaire Loop	Civil, Perway, Structures, OHTE & Signalling
	Alicedale Loop	Civil, Perway, Structures, OHTE & Signalling
	Coerney Loop	Civil, Perway, Structures, OHTE & Signalling
Port of PE (Gqeberha)	Port Rail Yard and Siding	Civil, Perway, Structures & Signalling

"Single Go Forward Solution": Location of Mainline loop extensions

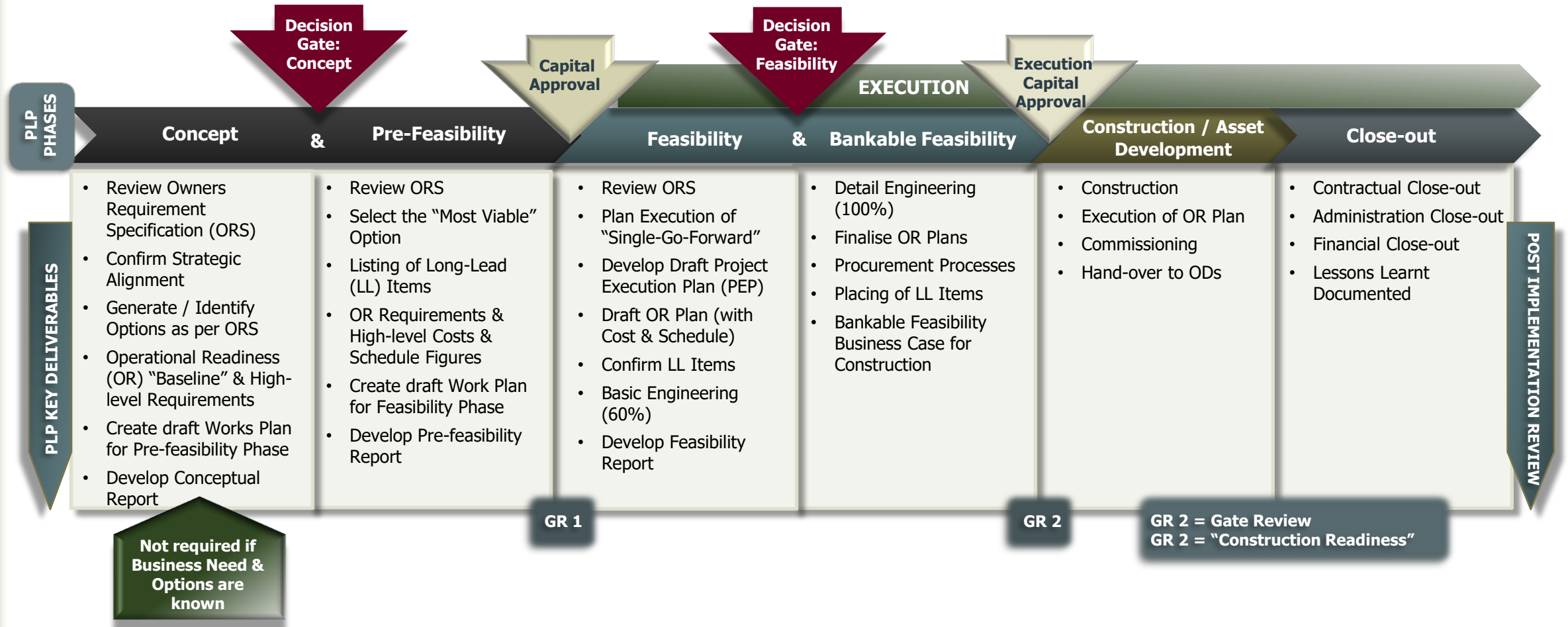


DETAILED SCOPE OF WORKS: Ukuvuselela Automotive Project

Item 1: Undertake a Feasibility and Bankable Feasibility study

- 1.1 Project Management (Health & Safety, Schedule Management, Quality Management, Risk Management, Operational Readiness)
- 1.2 Multidisciplinary Feasibility Railway Engineering & Design (Basic Engineering 60%)
- 1.3 Environmental Impact Analysis
- 1.4 Surveys and Investigations
- 1.5 Comprehensive Multidisciplinary AFC Railway Engineering & Design (Detailed Engineering 100%)
- 1.6 Identify Procurement of Long Lead Items
- 1.7 Advise on Early Enablement Works
- 1.8 Deliver a Feasibility Report
- 1.9 Bankable Feasibility Business Case for Construction
- 1.10 Execution Planning within the battery limits of the project.
- 1.11 SteerCo Review and Project (Feasibility) Close out
- 1.12 Project Gate Review and Project (Bankable Feasibility) Close out

PROJECT TYPES D & E Construction Assets





SCOPE OF WORKS: Ukuvuselela Automotive Project - PLP Deliverables for the following Domains:

Activity	Feasibility Activity (Domain)	Activity	Bankable Feasibility Activity (Domain)
1.	Health & Safety	1.	Health & Safety
2.	Environment, Stakeholder & Community Scoping and Management Plan	2.	Environment, Stakeholder & Community Scoping and Management Plan
3.	Sustainable Development Design	3.	Sustainable Development Design
4.	Civils	4.	Civils
5.	Rail	5.	Signalling
6.	Structures	6.	Rail
7.	Electrical	7.	Structures
8.	Mechanical	8.	Electrical
9.	Project Execution Systems	9.	Mechanical
10.	Risk Management	10.	Project Execution Systems
11.	Schedule Management	11.	Risk Management
12.	Cost Estimates	12.	Schedule Management



SCOPE OF WORKS: Ukuvuselela Automotive Project - PLP Deliverables for the following Domains:

Activity	Feasibility Activity (Domain)	Activity	Bankable Feasibility Activity (Domain)
13.	Procurement & Contract Management	13.	Cost Estimates
14.	Construction Management	14.	Procurement & Contract Management
15.	Commissioning Plan	15.	Construction Management
16.	Value Improving Processes	16.	Commissioning Plan
17.	Quality Management	17.	Value Improving Processes
18	Operational Readiness	18	Quality Management
19.	Owner Requirements Specification	19.	Operational Readiness
20.	Business Case	20.	Owner Requirements Specification
21.	Financial Model and Business Case	21.	Business Case
22.	Security Management	22.	Financial Model and Business Case
23.	Survey	23.	Security Management
24.	Geotechnical	24.	Bankable Feasibility Designs and Cost Estimates



SCOPE OF WORKS: Ukuvuselela Automotive Project - PLP Deliverables for the following Domains:

Activity	Feasibility Activity (Domain)	Activity	Bankable Feasibility Activity (Domain)
25.	Rail Simulations	25.	Execution Planning
26.	Yard Simulations	26.	Project Gate Review and Project (Bankable Feasibility) Close out
27.	Feasibility Designs and Cost Estimates		
28.	Execution Planning		
29.	SteerCo Review and Project (Feasibility) Close out		

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THANK YOU

Q&A

