

RDP National Meet the Buyers

A46 Scheme Presentation

17 August 2023

SKANSKA



 national
highways

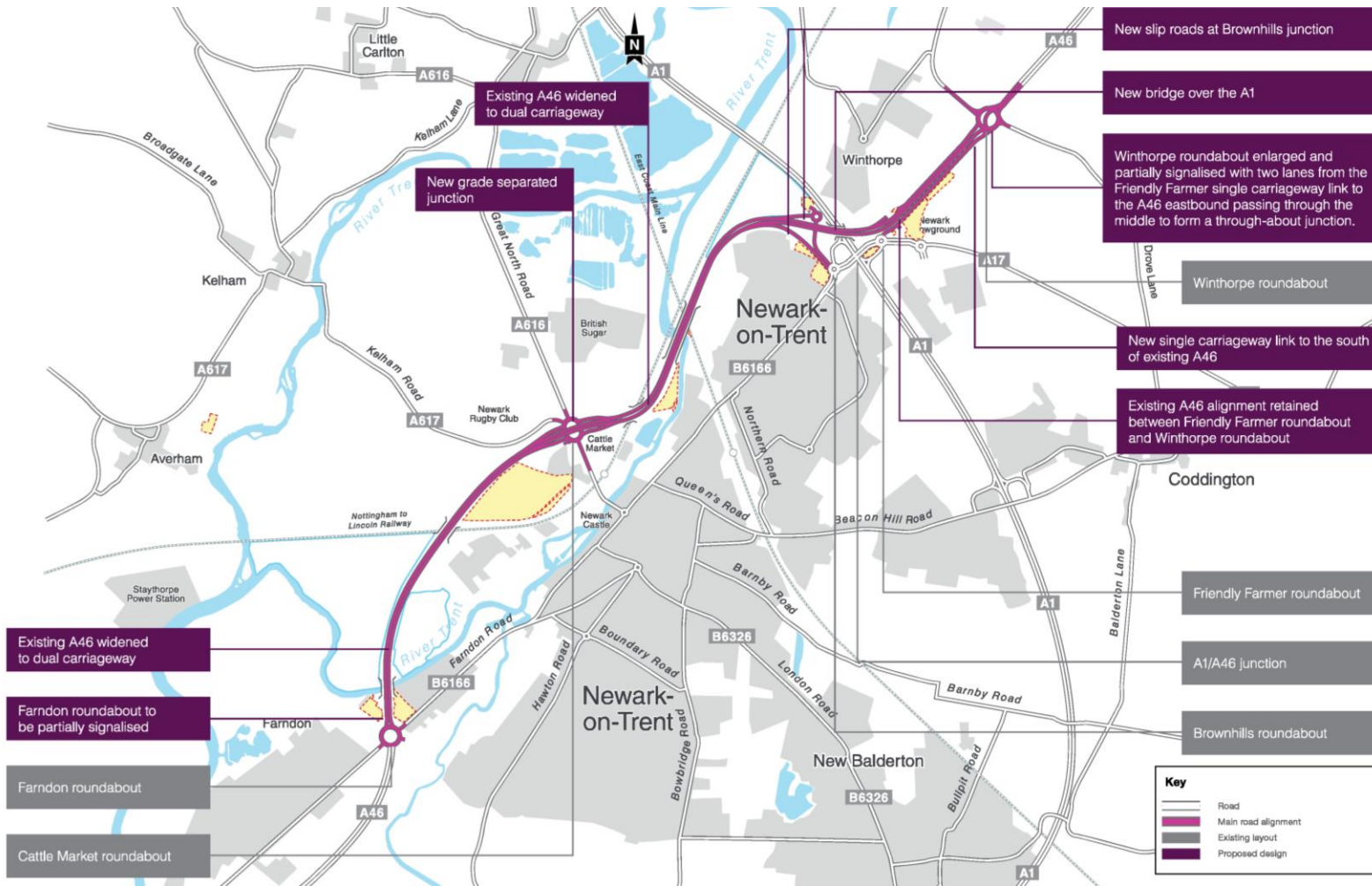
PRESENTER INTRO

SKANSKA



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- Role: Procurement Manager

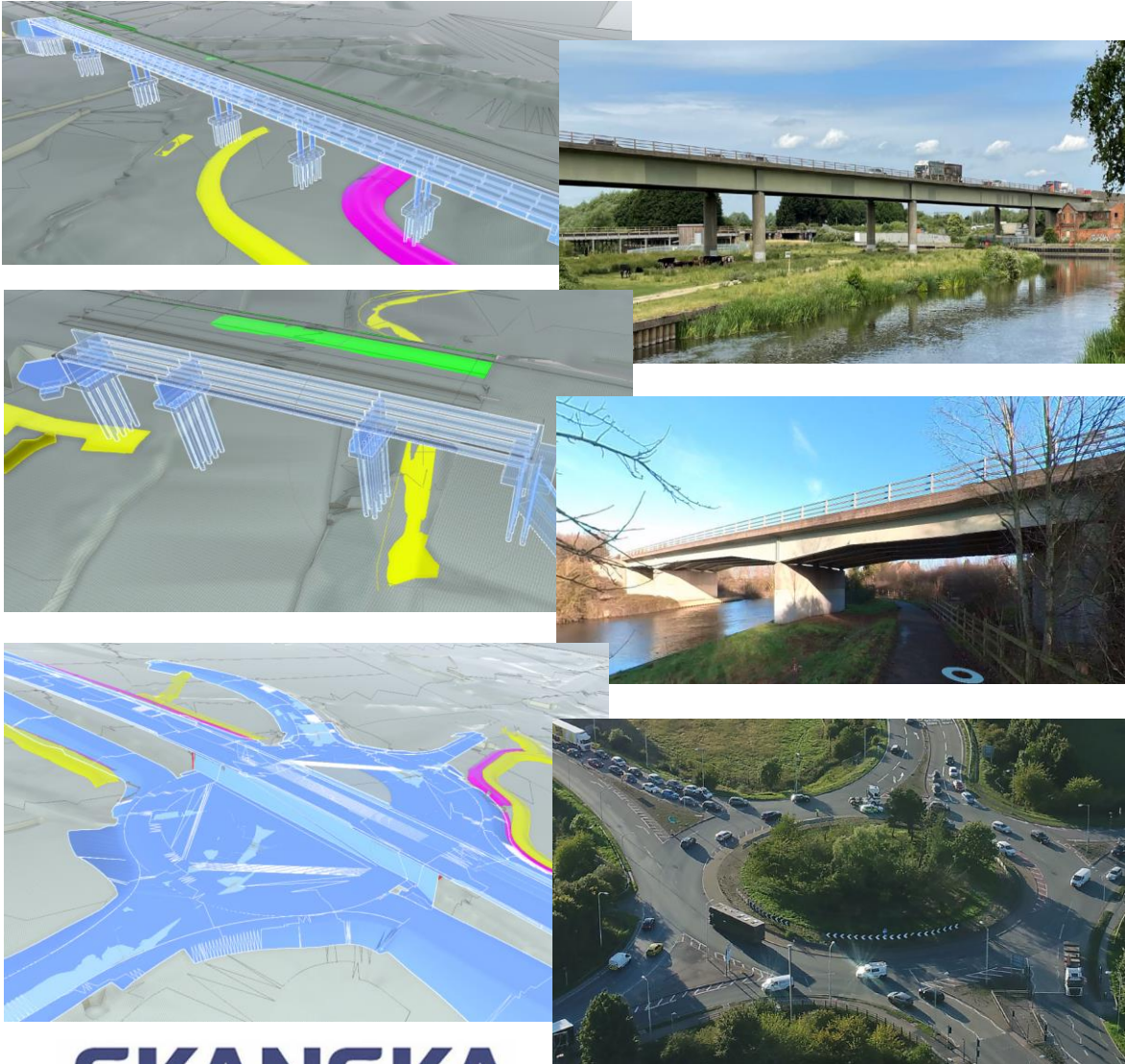
Scheme Overview



In March 2020, the Government’s second Road Investment Strategy included a commitment for National Highways to improve the A46 ‘Trans-Midlands Trade Corridor’. Congestion on the single carriageway section of the A46 means that journeys are unreliable and take longer than they should. This will only get worse as more people are expected to use the road in the future.

Our proposals to improve the A46 Newark bypass include widening 6.5km of the existing single carriageway to a dual carriageway, to provide two lanes in each direction between Farndon and Winthorpe roundabouts near Newark-on-Trent.

Scheme Overview



The scheme includes:

- adding traffic signals to Farndon roundabout to improve traffic flows during peak hours
- a grade separated junction at Cattle Market with the A46 elevated to pass over the roundabout
- a short section of new dual carriageway over the A1, including slip roads to Brownhills roundabout and a new bridge to the north of the existing A46 bridge over the A1
- a new single lane carriageway between Friendly Farmer and Winthorpe roundabouts providing links to the A17, A1 and Newark-on-Trent
- enlarging and adding traffic signals to Winthorpe roundabout with the mainline passing through the middle to form a through-about junction
- diversion of utilities, environmental mitigation and floodplain compensation
- New Windmill Viaduct crossing the River Trent
- Two new structures crossing the Nottingham to Lincoln Rail Line
- New Nether lock Viaduct structure crossing both the River Trent and the East Coast Main Line.

Scheme Objectives

Safety

- Improve safety through scheme design to reduce collisions for all users of the A46 scheme

Congestion

- Improve journey time and journey time reliability along the A46 and its junctions between Farndon and Winthorpe, including all approaches and A1 slip roads.

Connectivity

- Accommodate economic growth in Newark-on-Trent and the wider area by improving its strategic and local connectivity.

Environment

- Deliver better environmental outcomes by achieving a net gain of biodiversity and improve noise levels at Noise Important Areas along the A46 between Farndon and Winthorpe roundabouts.

Customer

- Build an inclusive scheme which improves facilities for cyclists, walkers and other vulnerable road users where existing routes are affected.

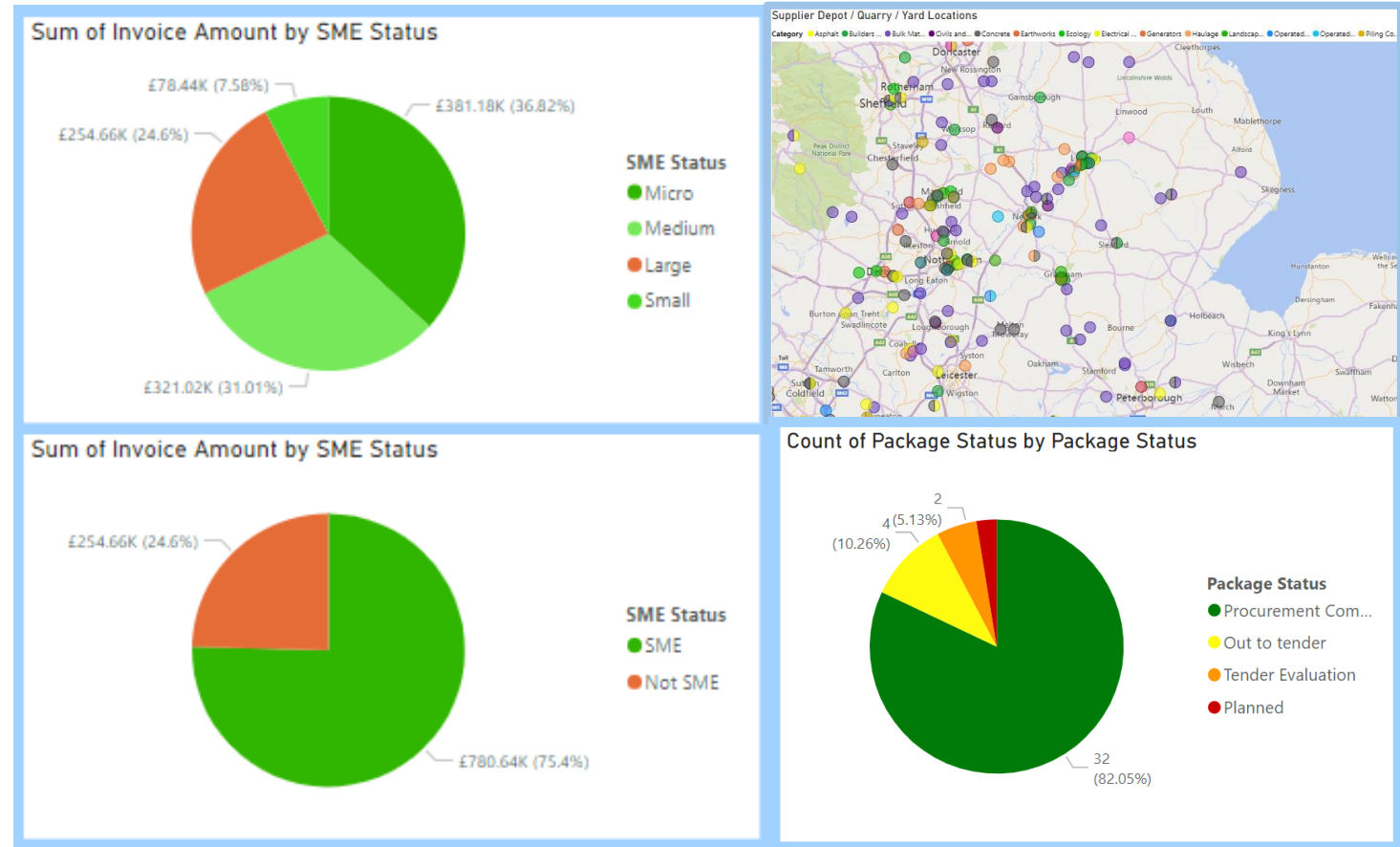


Outline Programme

Activity	2023	2024	2025	2026	2027	2028	2029
PCF Stage 3 (Preliminary Design & DCO Pre-Application)	■	■					
PCF Stage 4 (Statutory Procedures & Powers)		■	■				
PCF Stage 5 (Construction Preparation)		■	■				
PCF Stage 6 (Construction Commissioning & Handover)				■	■	■	■
Mobilise to Site & set up Main Site Accommodation				■			
Vegetation Clearance & Site Preparation				■			
Structures Construction					■	■	
Earthworks & Drainage					■	■	
Road Works						■	■
Project Commissioning & Handover							■

What have we done to date?

- GIS Mapping of Supply Chain proximity to project, categorised by supply category / discipline.
- Digitalisation of Procurement Schedule.
- Implemented Early Contractor Involvement (ECI) Consultancy Agreements with various specialist contractors to input into design reviews, planning, pricing, buildability workshops etc.
- Engaged with over 50 suppliers to provide budget quotations to support the budget pricing exercise for National Highways.
- Over 75% of Stage 3 spend (excluding designers) has been with Small and Medium Enterprises (SMEs).



What's already been procured

Stage 3: Preliminary Design & DCO Pre-Application	Stage 6: Construction
<ul style="list-style-type: none">• Stage 3 Designer• Various consultants• Stage 3 Archaeology Works• Boreholes and Ground Investigation• Electrical Asset Surveys• CCTV Surveys• Asbestos Surveys• Water Sampling• River Surveys• Minor Civils support works	<ul style="list-style-type: none">• Nothing yet... see next slide

Key procurement activities

Procurement for the Stage 6 Construction works to commence late 2024 and early 2025, examples packages to be procured include:

- **Series 0100 – Preliminaries**
 - Main Site Accommodation
 - Traffic Management
 - Asbestos Surveys & Management
 - Monitoring – Track, structural, noise, vibration etc
 - Site Security
- **Series 0200 – Site Clearance**
 - Demolition of Buildings & Structures
 - Site & Vegetation Clearance
- **Series 0300 – Road Restrain Systems**
 - Steel & Concrete VRS
- **Series 0500 – Drainage and Service Ducts**
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- **Series 0600 – Earthworks**
 - Bulk Earthworks & Bulk Material Supply
 - Engineered Embankments & Reinforced Earth walls
 - Dewatering, Borrow Pits, Processing of materials
- **Series 0700 – Road Pavements**
 - Road Pavements for new roads
 - Tie ins and re-planing
 - White Lining
- **Series 1200, 1300, 1400 & 1500 & – Traffic Signs, Lighting Columns, Electrical Works & Comms**
 - Permanent Road Signs
 - New Road Lighting and Columns
 - Electrical Works to upgrade infrastructure
 - New Traffic Signals & Road Gantries
- **Series 01600 – Piling & Embedded Retaining Walls**
 - Bored Piling to new structure abutments
 - Sheet Pile Retaining Walls
 - Directional Drilling and Sheet Pile Tie-Ins
- **Series 1700 – Structural Concrete**
 - Reinforced Concrete works – abutments
 - Pre-cast Concrete to bridges
- **Series 1800 – Structural Steelwork**
 - Steel Bridge Structures
 - Rail OHLE Gantry Relocation
- **Series 1900 – Protection of Steelwork Against Corrosion**
 - Grit Blasting, Waterproofing, Anti-Graffiti
- **Series 2100 – Bridge Expansion Joints & Sealing of Gaps**
 - Expansion Joints
 - Bridge Bearings
- **Series 3000 – Landscaping & Ecology**
 - Landscaping
 - Ecological Consultants
 - Ecological Watching briefs

How to get involved

- Majority of tendering opportunities remain
- Early supply chain input required for budget pricing
- Stage 6 Opportunities to be registered on Contracts Finder
- Register your interest by contacting tom.goodwin@skanska.co.uk