

RDP National Supply Chain Event

RDP North B10 & B14 – Costain Jacobs

11th August 2021

Agenda

Scheme Updates

- A1 Scotswood to North Brunton
- A1 Birtley to Coal House
- A1 Morpeth to Ellingham
- M60 Simister Island

Key Considerations for supply chain

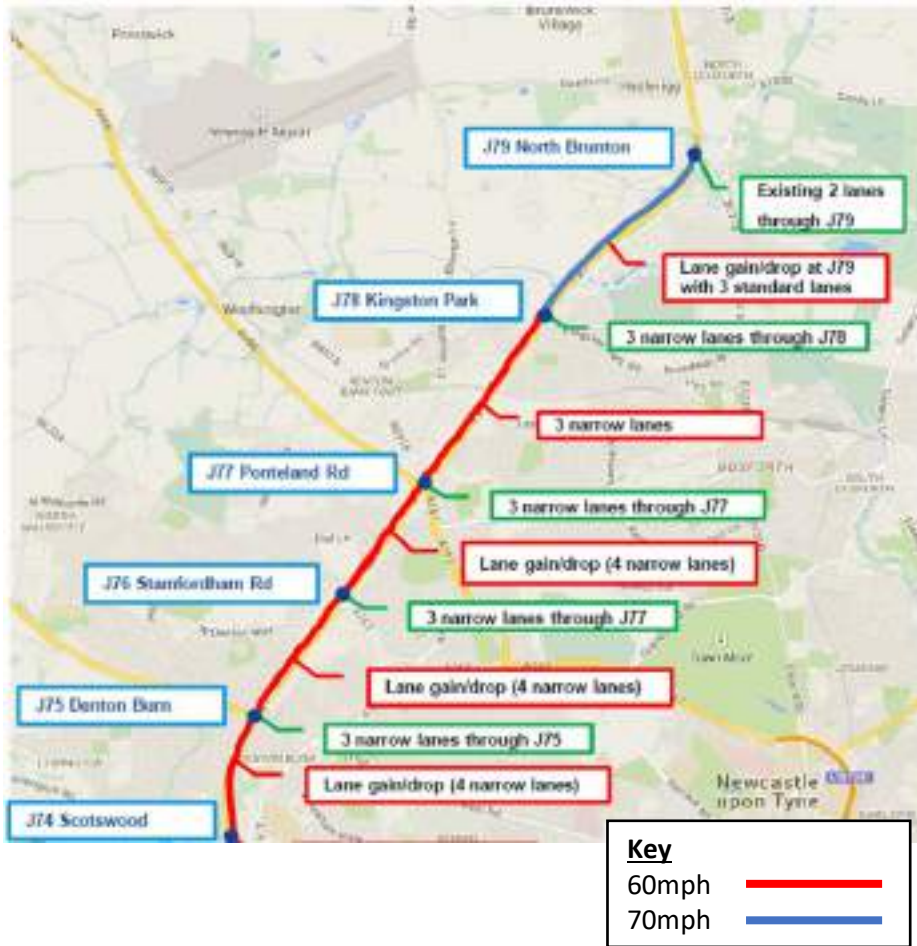
How to contact us



A1 Scotswood to North Brunton

Scheme Overview

Project Budget £106m



Widening to 3 narrower lanes and a lane gain/drop between J74 (Scotswood) to J77 (Ponteland Road), widening to 3 narrower width lanes between J77 (Ponteland Road) and J78 (Kingston Park), and widening to 3 full lanes between J78 (Kingston Park) and J79 (North Brunton).

- 8.24km of Road Widening to 3 Lanes
- 29,000 m² of Central Reservation Hardening
- 8k m of CSB & Lighting (Central Res)
- Verge Retaining Structures
- Mine Works –Drilling & Grouting (37no)
- 215,000 m² of Surface Inlay Works
- 17,000 m² of Narrow Widening

Outline Programme

Activity	2019	2020	2021	2022
Start of Works	♦			
Advanced Surveys	■			
Detailed Design	■	■	■	
Commence Main Construction		♦		
TM Installation		■		
Site Clearance		■		
Phase 1 Central Reserve Hardening		■	■	
Phase 2 Verge Works J77-79			■	
Phase 3 Verge Works J74-77			■	
Phase 4 Scheme removal				■
Open For Traffic				♦

Key procurement activities

Procurement to date

Surveys

- Drainage
- Mineworking's
- Geotechnical Investigation
- Concrete inspection and testing
- Pavement
- Ground Penetrating Survey

Main Works

- Earthworks
- Drainage
- Vegetation removal
- Labour
- Soil Nailing
- TASCAR
- Site clearance
- FRC
- Slipform wall
- Pavement
- Lining
- Traffic Management

Final Procurement in progress

Main Works

- Landscape
- Traffic signs



A1 Birtley to Coal House

The Scheme:

Where is the scheme?

- Approx 4km South of Gateshead
- Just off the A1(M)
- Angel of the North is approx. at the Middle of the scheme
- Just South of S2NB (Approx 8km)
- **Who are the team?**
- Highways England – Client
- Costain Jacobs Partnership – Design and Construction
- Arcadis – Technical Assurance
- Faithfull & Gould – Commercial Assurance



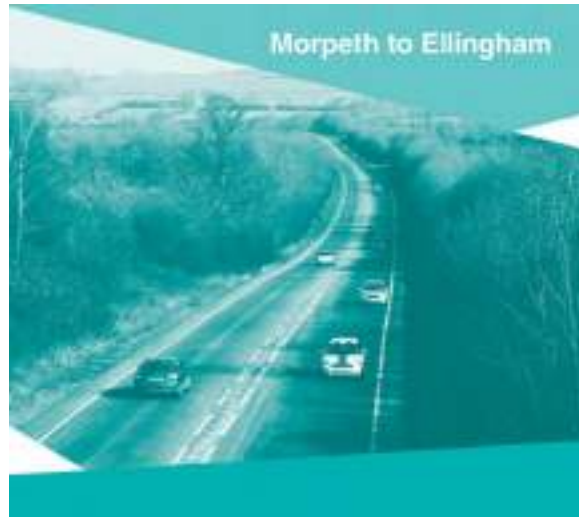
A1 Between Junction 65 Birtley and Junction 67 Coal House (plus signage and road markings J68 to j67). Approx. 6.5 km in length

Outline Programme

Activity	2021	2022	2023	2024
Milestones	 SOW May 21		Christmas Blockade Dec23 	Planned completion Mar 23 
Design	  Oct			
DCO	  Aug			
SGAR	  Aug			
Section 1				  Jan
Section 2				  Jan
Section 3			  Aug	

What's already been procured

- Package agreements already in place for;
 - Traffic management (inc temporary barrier)
 - Labour
 - Plant hire
 - Temporary works design
- Awarded or PSC in place, with option for main contract works for;
 - Structural steelwork, Severfield
 - Earthworks, Walters UK
 - Pavement, Aggregate Industries
 - FRC, Sword
 - Piling/Ground improvements , CEMSKAN
 - Reinforced Earth, Phi Group



A1 in Northumberland – Morpeth to Ellingham

A1 in Northumberland

Key junction improvements



Scheme Overview

Project Budget £313m Design & Build c.£220m

- The scheme aims to increase capacity along an approx. 20.6km section of the existing A1 between Morpeth & Ellingham by dualing the existing carriageway (the purple bits)
- Morpeth to Felton:
 - 12.6 Km; 6.5 km online widening & 6.1km offline construction
 - 3 compact grade separated junctions
 - 3 further bridges inc. bridge launch over the River Coquet
- Alnwick to Ellingham:
 - 8km online widening construction
 - 1 compact grade separated junction
 - 1 accommodation bridge at Heckley Fence
- To:
 - Improve network resilience,
 - Improve safety
 - Provide a consistent standard layout,
 - Maintain local access whilst improving conditions for all
 - Facilitate future economic growth



Scheme Overview

- 4 new compact grade separated junctions
- 2 new under bridges
- 2 new over bridges
- 1 new underpass extension
- 2.15 million m³ of earthworks
- 37 new culverts and wildlife crossings
- 18,000m of drainage
- 42 km of new hedge
- 1500 m of acoustic fencing
- 52 new bat boxes

Outline Programme



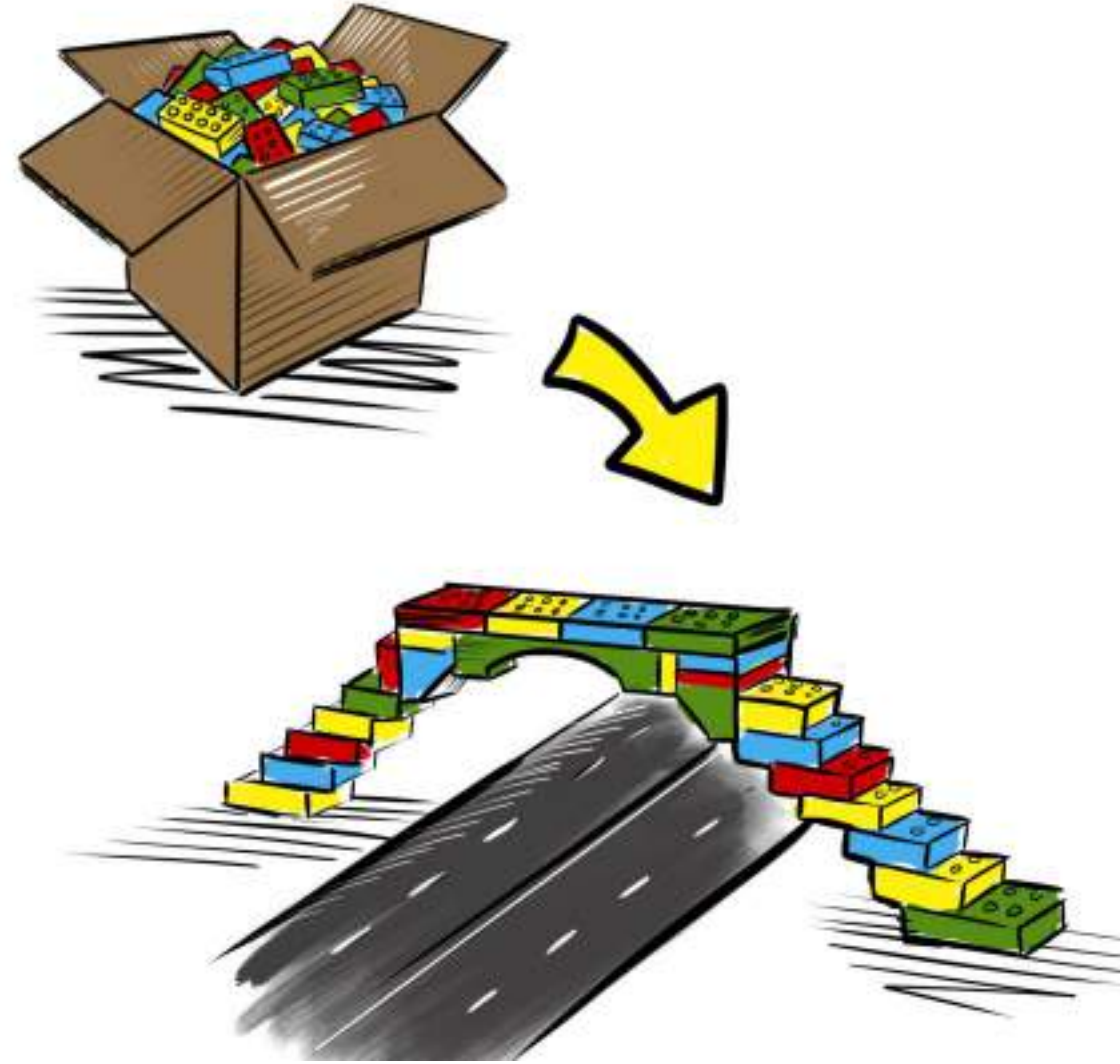
What's already been procured

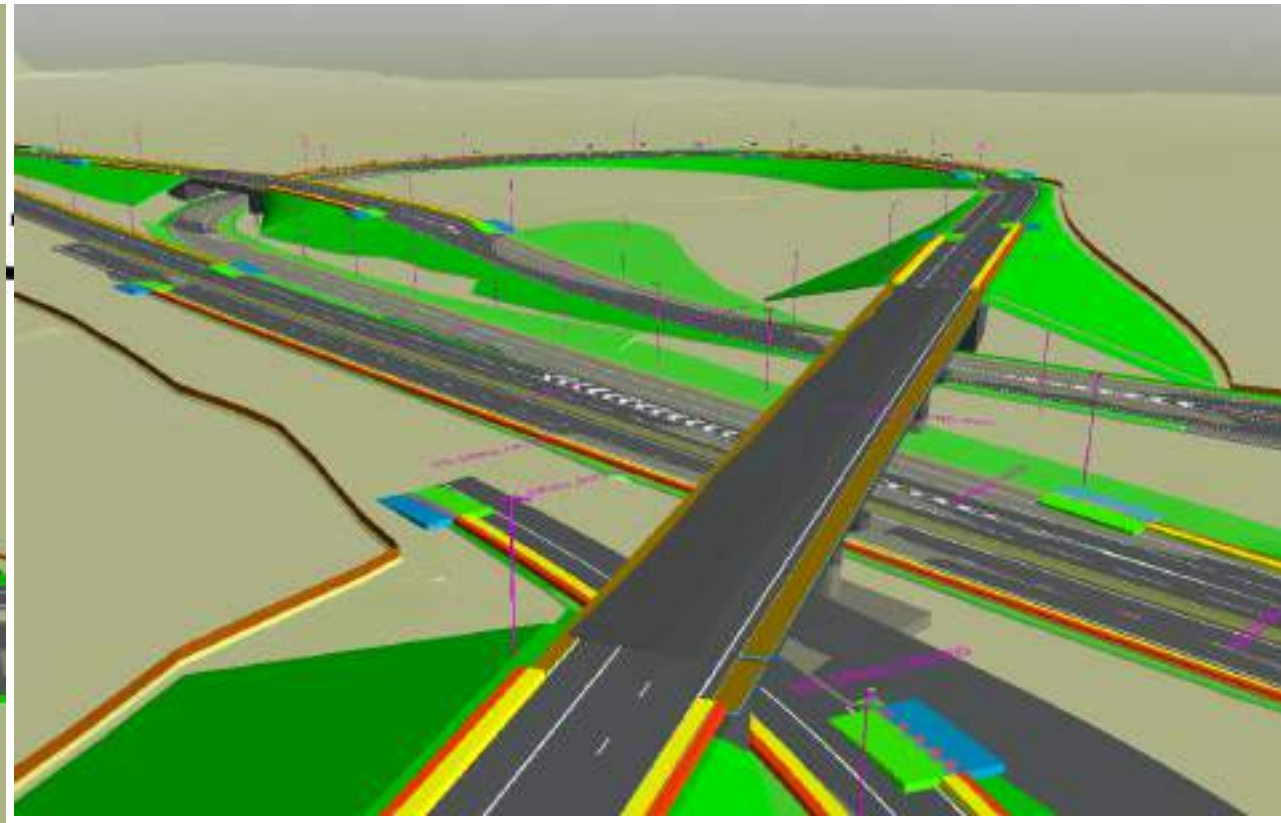
- Framework agreements already in place for;
 - Traffic management (inc temporary barrier)
 - Labour
 - Plant hire
 - Temporary works design
- Awarded or PSC in place, with option for main contract works for;
 - CAT 3 check, Arup
 - Structural steelwork, Victor Buyck
 - Earthworks, Walters UK
 - Pavement, Tarmac



2021 / 2022 Key procurement activities

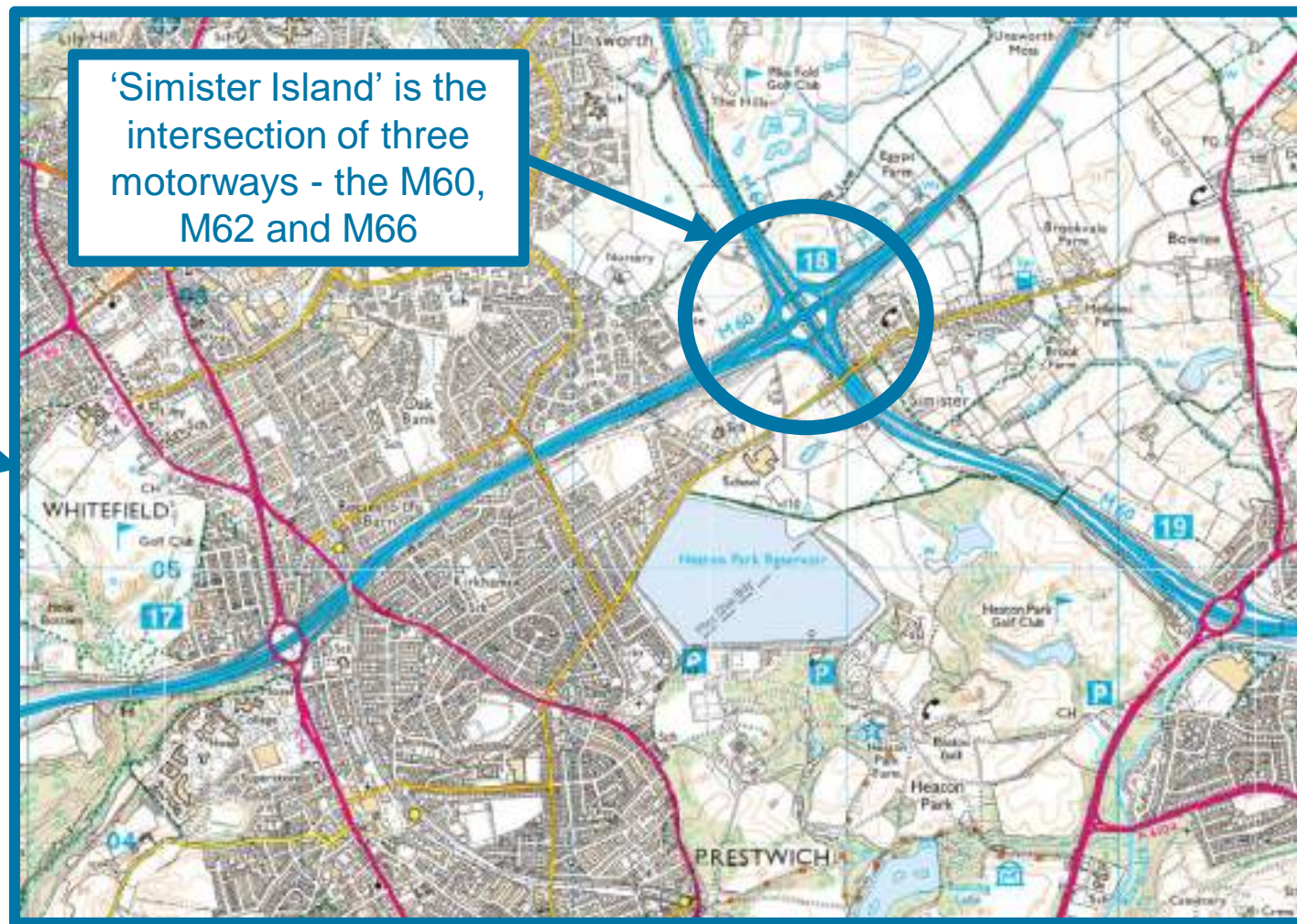
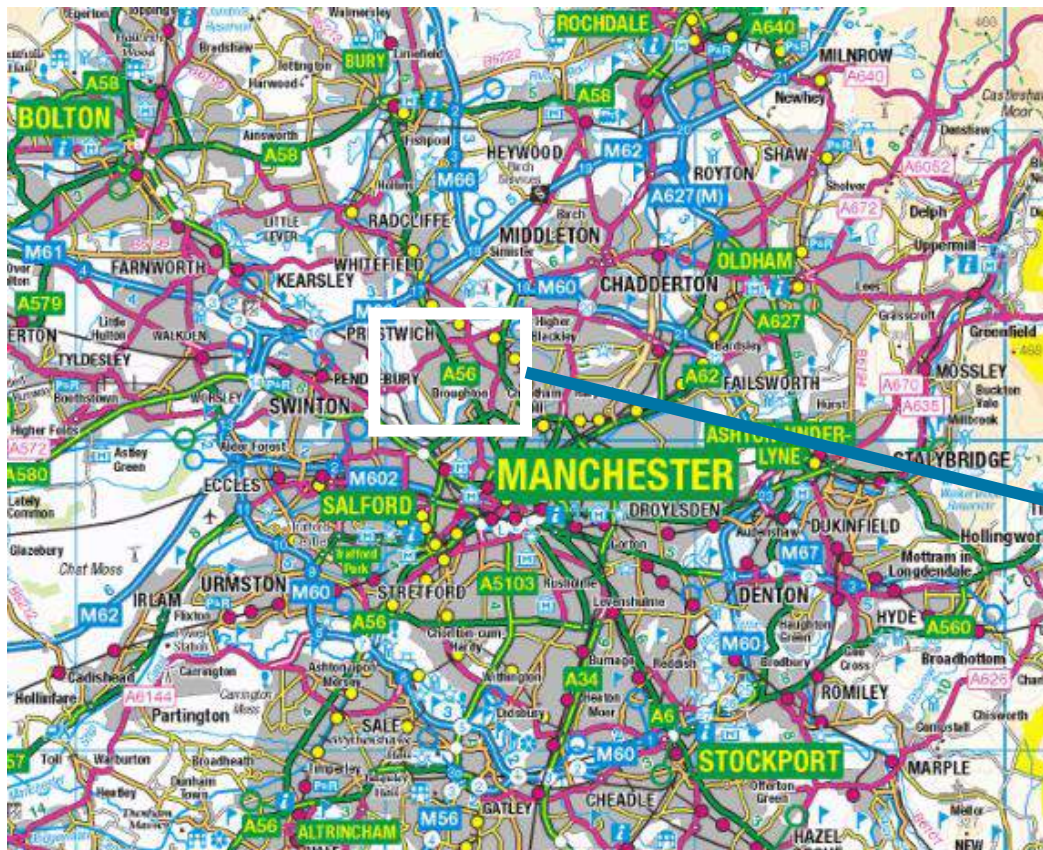
- ECI support via PSC – to be tendered in the next quarter
 - Piling
 - Reinforced earth
 - Precast concrete items
- Early works support – to be tendered in Q4 2021
 - Site wide
 - Site clearance
 - Fencing
 - Agricultural works (handling pens, drinking troughs etc)
 - Ecological support and ECoW
 - Main Compound Set Up
 - Electrical Contractor
 - Civils works for the office set up incl. drainage and foundations
 - Site Security
 - Cleaners
 - Canteen services/caterers
- Main works delivery partners to be tendered Q1 2022





M60 Simister Island Interchange

Scheme Location

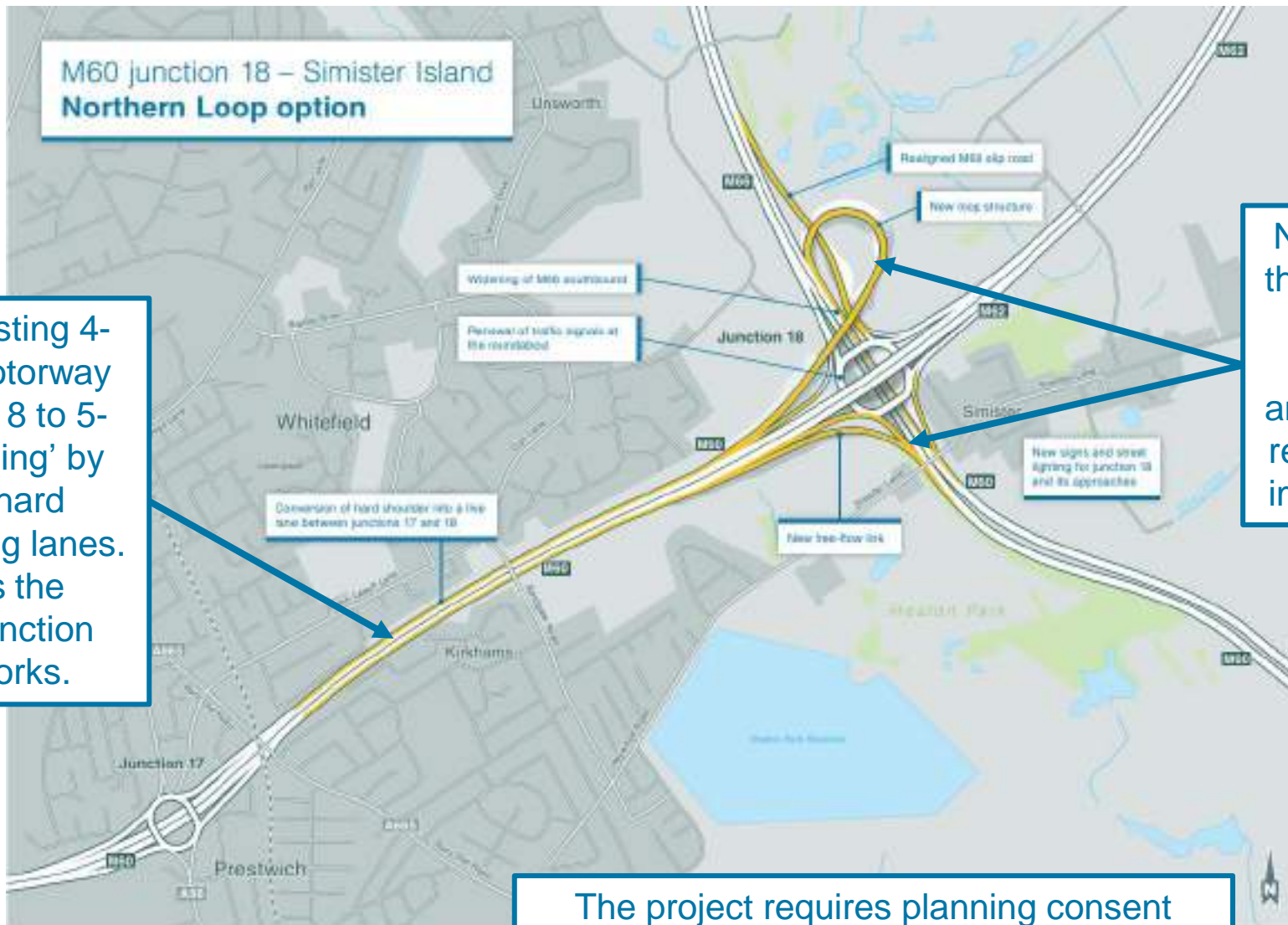


Objectives

The Scheme is necessary to address the following issue(s):

- Poor capacity resulting in severe congestion through the junction during peak periods which has significant impact on the operation of the M60 / M62 / M66 mainlines,
- Disruption to the operation of M60 Junction 18 due to congestion on the motorway link between M60 J17 and M60 J18,
- Poor air quality, due to traffic congestion, and
- High noise levels, due to excessive traffic flows.

Project Overview

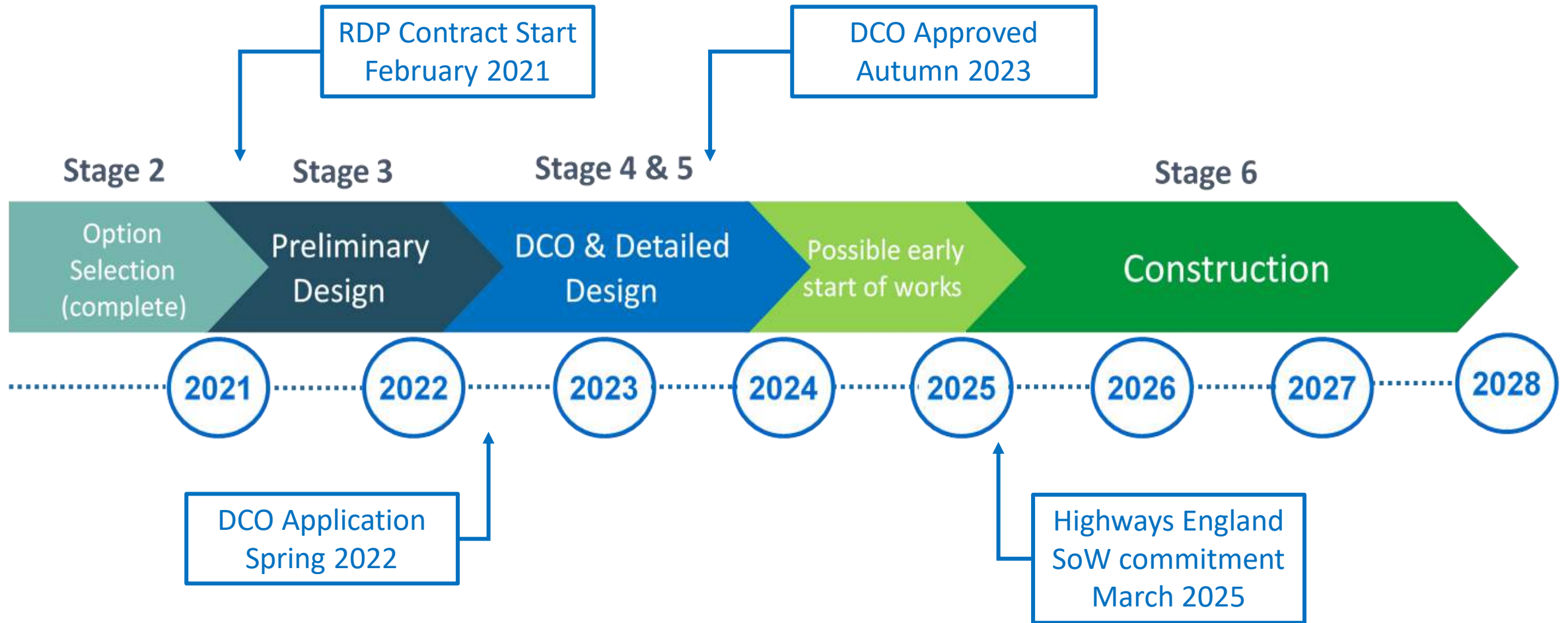


Upgrading the existing 4-lane controlled motorway link from J17 to J18 to 5-lane 'all lane running' by converting the hard shoulders to running lanes. This maximises the capacity of the junction improvement works.

New free-flow links for the busiest movements on the junction – the M60 clockwise and anti-clockwise. This will reduce congestion and improve journey times.

The project requires planning consent through the Development Consent Order 'DCO' process.

Project Timeline



Procurement activities

- ECI support via PSC – to be tendered in 2023
 - Piling
 - Geotechnical/Earthworks
 - Precast concrete items
 - Structural Steel
- Mains Works – to be tendered 2024
 - Prelim Items
 - Electrical Contractor
 - Civils works (access, drainage and foundations)
 - Labour – cleaners, security, site operatives
 - Plant Hire
 - Direct Works
 - Site Clearance
 - Fencing
 - Vehicle Restraint Systems
 - Civils – drainage, ducting, kerbing
 - Earthworks
 - Traffic Signs and Markings
 - Reinforced Concrete

Framework in place for traffic management and pavement (via Highways England's Category Management).

Key considerations for all procurement



- All of our supply chain will be required to support our key objectives at a proportion aligned to their package value and will include (but not be limited to);
 - Engagement with young people through STEM opportunities
 - Providing work experience placements to those not in education or employment
 - Support our aspiration that 40% of our workforce will be from the local area
 - Support the reintroduction to the workforce of long term unemployed
 - Promote and provide apprenticeship opportunities
 - Promote a workforce representative of the community in which we work
 - Actively support progression for existing and new employees through professional qualifications or to attain relevant technical or occupational qualifications
- Key principles
 - Open and honest bidding process
 - Fair evaluation on a diverse mix of tender requirements

How to get involved

- Majority of tendering opportunities remain
- How to get involved A1SupplierEng@costain.com
- Contact supply chain manager: Sarah Thomas
sarah.Thomas@costain.com