

RDP National Meet the Buyers

Scheme Presentation

17th August 2023

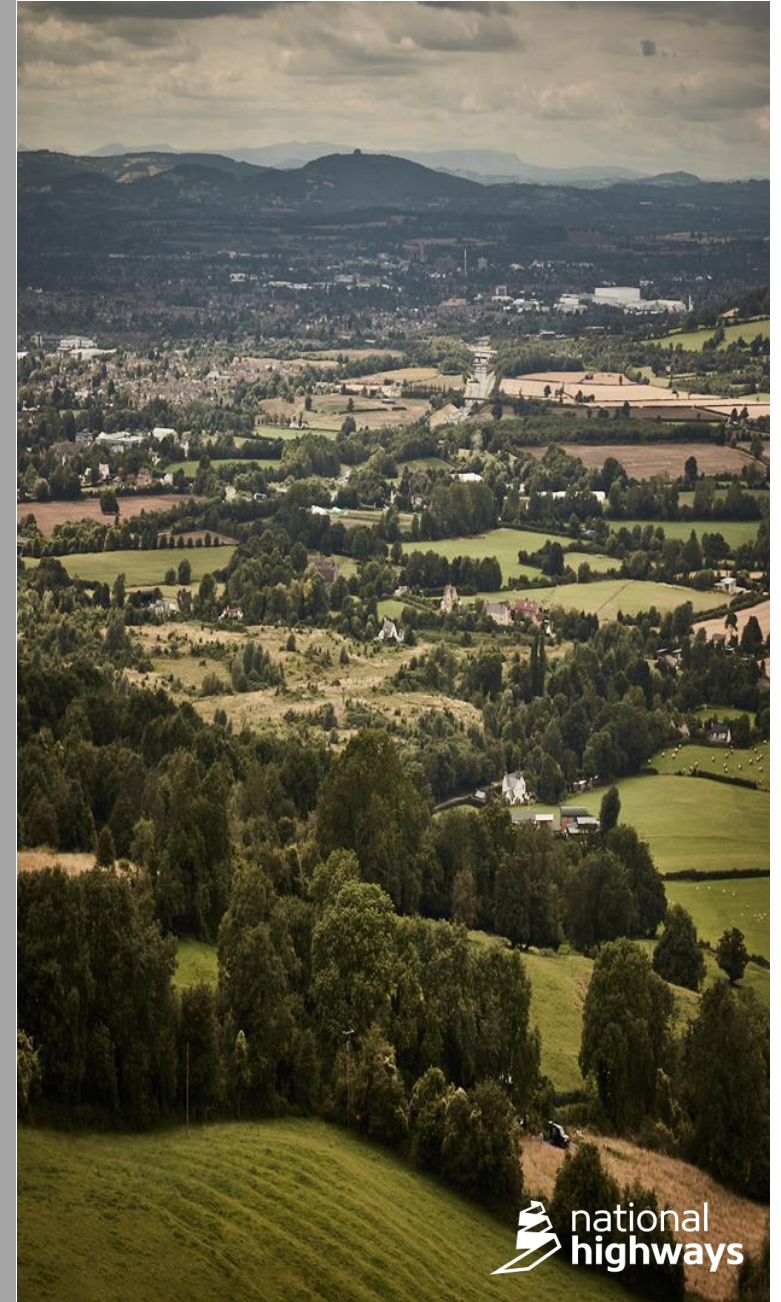




Your presenters today are:

Paul Baker - Programme Director

Gavin Jones - Project Director

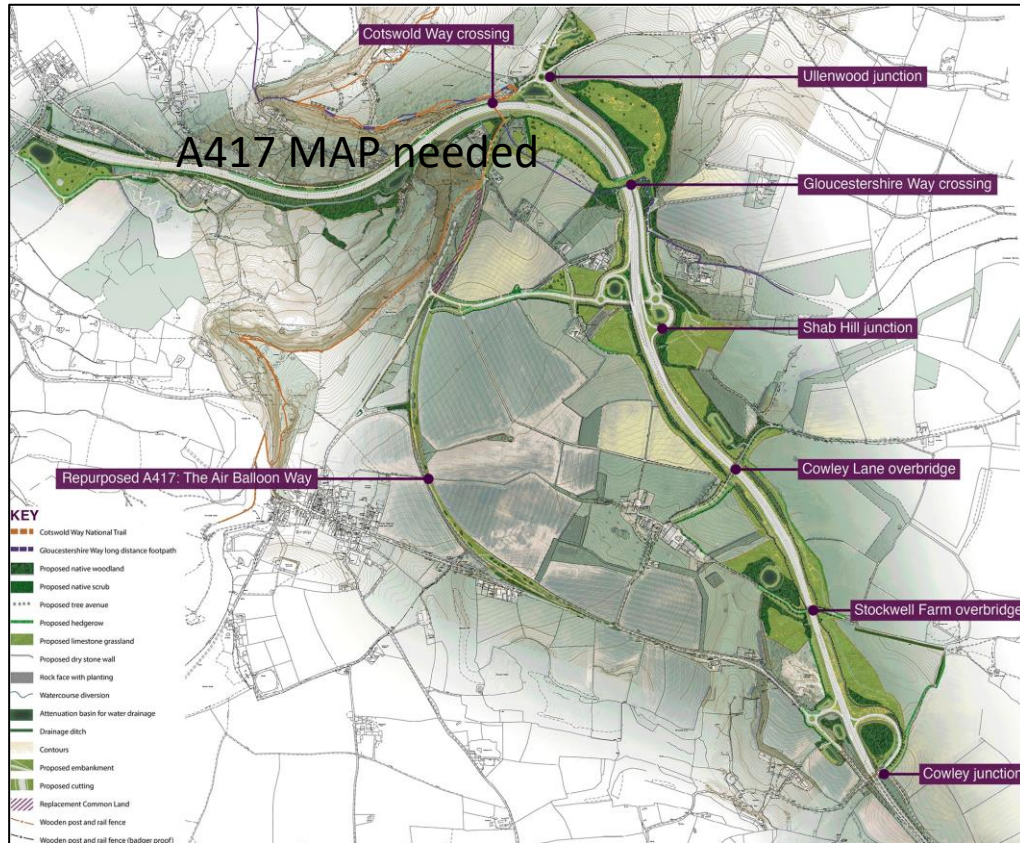




A417 – Missing Link

The Purpose of the Scheme

To deliver a safe and resilient free-flowing road whilst conserving and enhancing wildlife and heritage benefits and improving local communities' quality of life



- The A417 Missing Link' does not operate efficiently and effectively in a manner that would be expected of a high-quality strategic route
- The Missing Link is a collision cluster site with a fatal casualty rate significantly higher than the national average for single carriageway roads
- High traffic flows which exceed the design capacity of the Missing Link, and which are expected to increase
- Reduce vehicle speeds and poor journey time reliability as a result of congestion, causing difficulty for road users to predict how long a journey on the A417/A436 will take

A Safe and Serviceable Network

A reduction in fatal casualties of 78 and a reduction in serious casualties of 96 in the study area network over the 60-year appraisal period as stated in the Stage 2 COBALT Assessment

Scheme Overview

The A417/A419 provides an important route between Gloucester and Swindon that helps connect the Midlands/North to the South of England. It's an alternative to the M5/M4 route via Bristol. The Missing Link itself is a three-mile stretch of single-lane carriageway on the A417 between the Brockworth bypass and Cowley roundabout in Gloucestershire.



- 3.4 miles of new dual carriageway connecting the existing A417 Brockworth bypass with the existing A417 dual carriageway south of Cowley
- The section to the west of the existing Air Balloon roundabout would follow the existing A417 corridor. However, the section to the south and east of the Air Balloon roundabout would be offline, away from the existing road corridor
- A new junction at Shab Hill, providing a link from the A417 to the A436 towards Oxford and into Birdlip
- A new junction would be included near Cowley, replacing the existing Cowley roundabout
- The existing A417 between the Air Balloon roundabout and the Cowley roundabout would be repurposed. We would convert some lengths of this existing road into a route for walkers, cyclists and horse riders, while retaining other sections to maintain local access for residents.

Objectives

- Relieving traffic congestion on a vital link to southwest England.
- Improve user satisfaction by reliable journey times.
- Improving safety and reducing driver stress by providing a more free-flowing network.
- Providing safer local access facilities for pedestrians, cyclists and other non-motorised users.
- Encourage economic growth by providing additional junction capacity and making journey times more reliable, enabling proposed economic growth and development to come forward at key regional locations.
- Improving the environment by reducing queuing traffic resulting in a reduction to air pollution.
- To include all supply chain partners in our Considerate Constructors Ultra site objectives to work with and support our communities.



Outline Programme

Activity	2022	2023	2024	2025	2026	2027
DCO Decision		◆				
Start Of Works		◆				
Detailed Design		■				
Ecological/ Archaeological Mitigation		■				
Commencement of Main works			◆			
Site Clearance			■			
Earthworks			■			
Structures			■			
Roadworks			■			
Open to Traffic						◆
Complete Landscaping, De-trunking						■

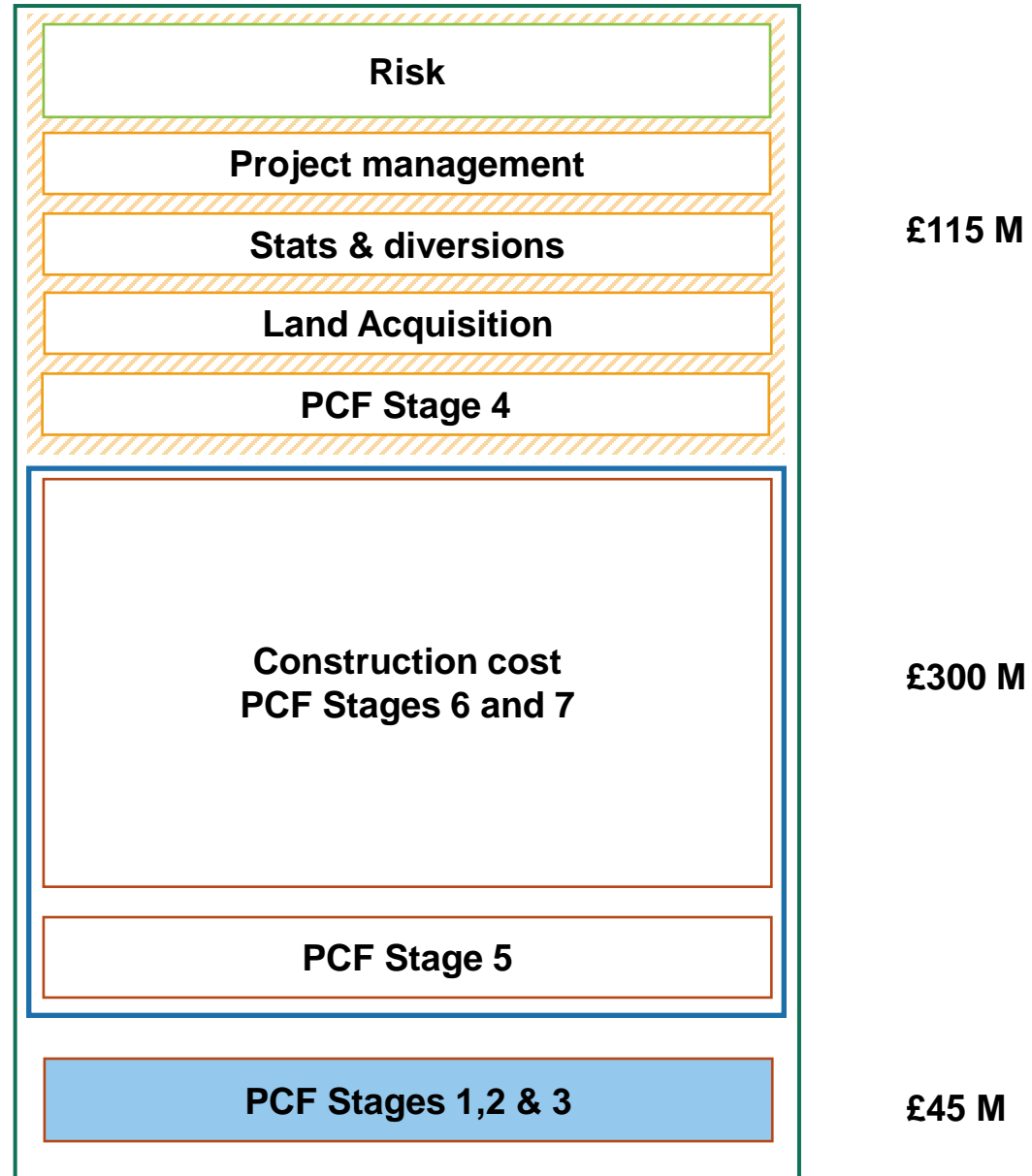
Key procurement activities

- Main Compound Set Up
 - Civils works for the office set up incl. drainage and foundations
 - Facilities management including security & cleaning
- Ecological Mitigation
 - Bat Barn
- Site access works
 - Service protection
 - Temporary Compound Construction
- Permanent Works
 - Enabling works, haul road and stats diversions
 - Site clearance
 - Fencing
 - Dry stone walling
 - Drainage, attenuation Ponds & V channel
 - Earthworks including stabilisation
 - Culverts and wildlife crossings
 - FRC, structures including piling
 - Surfacing including CBGM
 - Signage, road markings
 - Landscaping & aftercare management
 - Comms/Technology
 - VRS



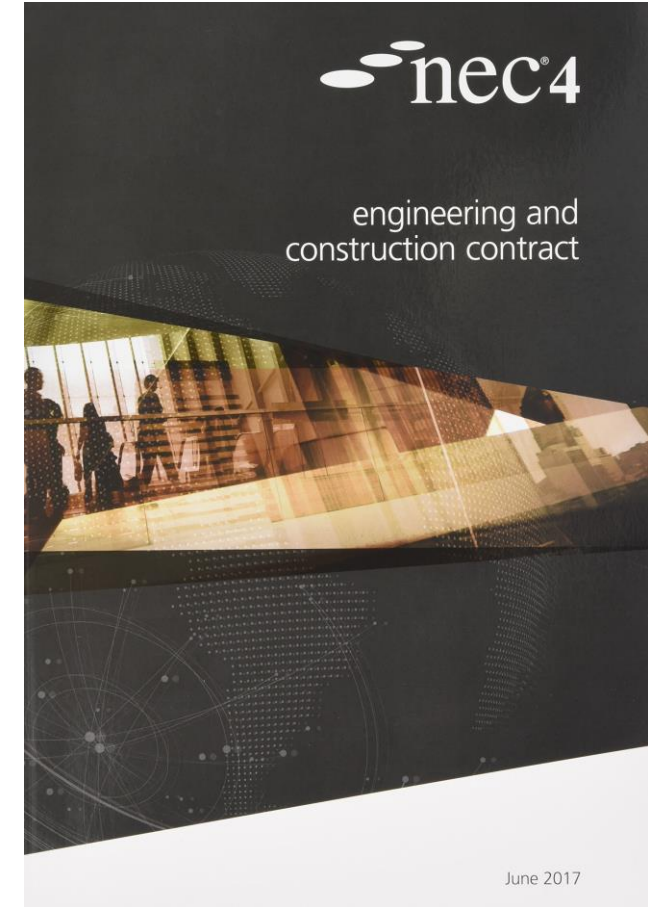
A417 Scheme Budget £460M

NEC4 Main Option C
Target Price contract



What form of contract?

- New Engineering Contract (NEC4).
- Is a series of contracts with various options available to suit the risk profile:
 - Option A - Activity Schedule (lump Sum)
 - Option B - Bill of Quantities
 - Option C - Target with Activity Schedule
 - Option E - Cost reimbursable
- Other benefits
 - Project Bank Account & prompt payment < 30 days
 - Zero retentions
 - Incentives available for innovation, buildability and efficiencies



Procurement to date

- ✓ Design: awarded to 4 designers, namely:
 - Kier Design Services (Principal Designer)
 - Tony Gee & Partners LLP (Structures)
 - RPS Consulting Ltd (Highways)
 - Ove Arup & Partners Ltd (Landscaping)
- ✓ Enabling works:
 - Archaeology: Oxford and Cotswold Archaeology
 - DAMS reports to Cotswold Archaeology
 - Site clearance – ARB
 - Eco-mitigation – Key stone
 - Labour – Danny O’Sullivan/Fortel



- Procurement process commenced Q3 2022 until 2025

How to get involved

Thank you for your time today we would be interested to hear from you and value your thoughts please contact at: A417SchemeEnquiries@kier.co.uk

Many thanks

The Integrated Project team – A417