



**KIER**

Working on  
behalf of

**HS2**

# Early Civils Works 2

Kier

# Early Civils Work 2 (ECW2) Overview

## Highways Modification Works

- Modifying construction traffic routes at 20 locations
- Surveys, scheme design, consents and detailed design
- Completed between **quarter 4 2024 and quarter 1 2025** ahead of main works

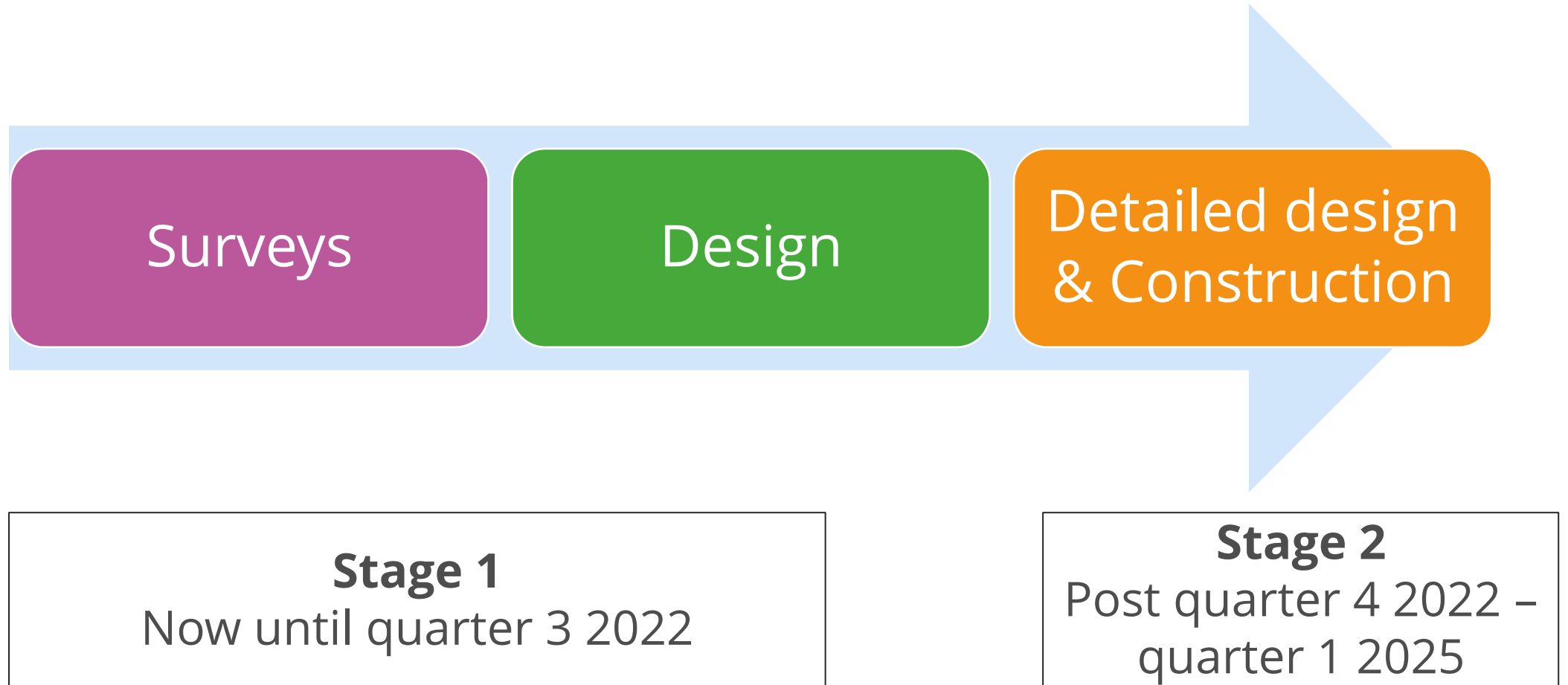
## Route-wide Engineering Surveys

- Informing advanced and main civils scheme design
- Topographical (LIDAR) ground penetrating radar surveys, minor watercourse surveys, pre-demolition surveys
- Completed by **quarter 2 2022** to issue to advanced and main civil works

## Route-wide Environmental Surveys

- Informing both advanced and main civils works scheme design
- Ecological surveys, agricultural (soils) surveys, heritage surveys, hydrological (water) surveys, air quality monitoring
- Ongoing throughout **2022**

# Programme



# Surveys

Type	Description
Ecological	Habitat, scoping, amphibian, reptile, badger, bat, vegetation and hedgerows
Agricultural	Soil surveys to assess the design and soil handling and storing methodologies
Arboriculture	Stage 1 tree valuation
Heritage	Magnetometry and earth resistivity
Hydrological	Water Framework Directive (WFD) hydrological (surface water and ground water) baseline surveys
Minor watercourse	Comprised of culvert, ditch, connectivity surveys
Air quality monitoring	Along M6 corridor – monthly site visits for up to 12 months
Topographical	Across Phase 2a route
Pre-demolition	Building and asset structure, dilapidation, ecological and heritage level 1 surveys
Ground penetrating radar	To de-risk the next stage of design for subsequent work



# Surveys

The first surveys to be undertaken are ground penetrating radar and topographical surveys at 21 highway improvement sites and 20 route wide areas

## Ground Penetrating Radar surveys:

- Started November 2021
- Expected completion March 2022

## Topographical surveys:

- Started November 2021
- Expected completion March 2022



# Surveys

The next tranche of surveys from end of this year and through 2022 will be

## Minor watercourse surveys:

- December 2021 into 2022

## Subsequent surveys in 2022:

- Pre-demolition
- Ecology (badgers, bats, hedgerows etc.)
- Pavement cores
- Noise
- Heritage



# Design overview

- The 20 highways sites have been through consultation, planning and gained royal assent
- This sets some constraints (type and extent of work) around these sites
- The scheme design is now developing to gain consents within these constraints and design standards
- Initial draft scheme designs will be in place Jan/Feb 2022



# Design overview

- Input from Staffordshire County Council Highways department is on-going
- Once more certainty is gained around highway sites this information will be presented
- These schemes will ensure that the network is suitable for future HS2 works and also generally improve the network locally





# ECW2 Highways Improvement Works

## Site 9: Jongham's Lane

Widening the road to 3.5m, with passing bays.

## Site 23: Moor Lane Modifications

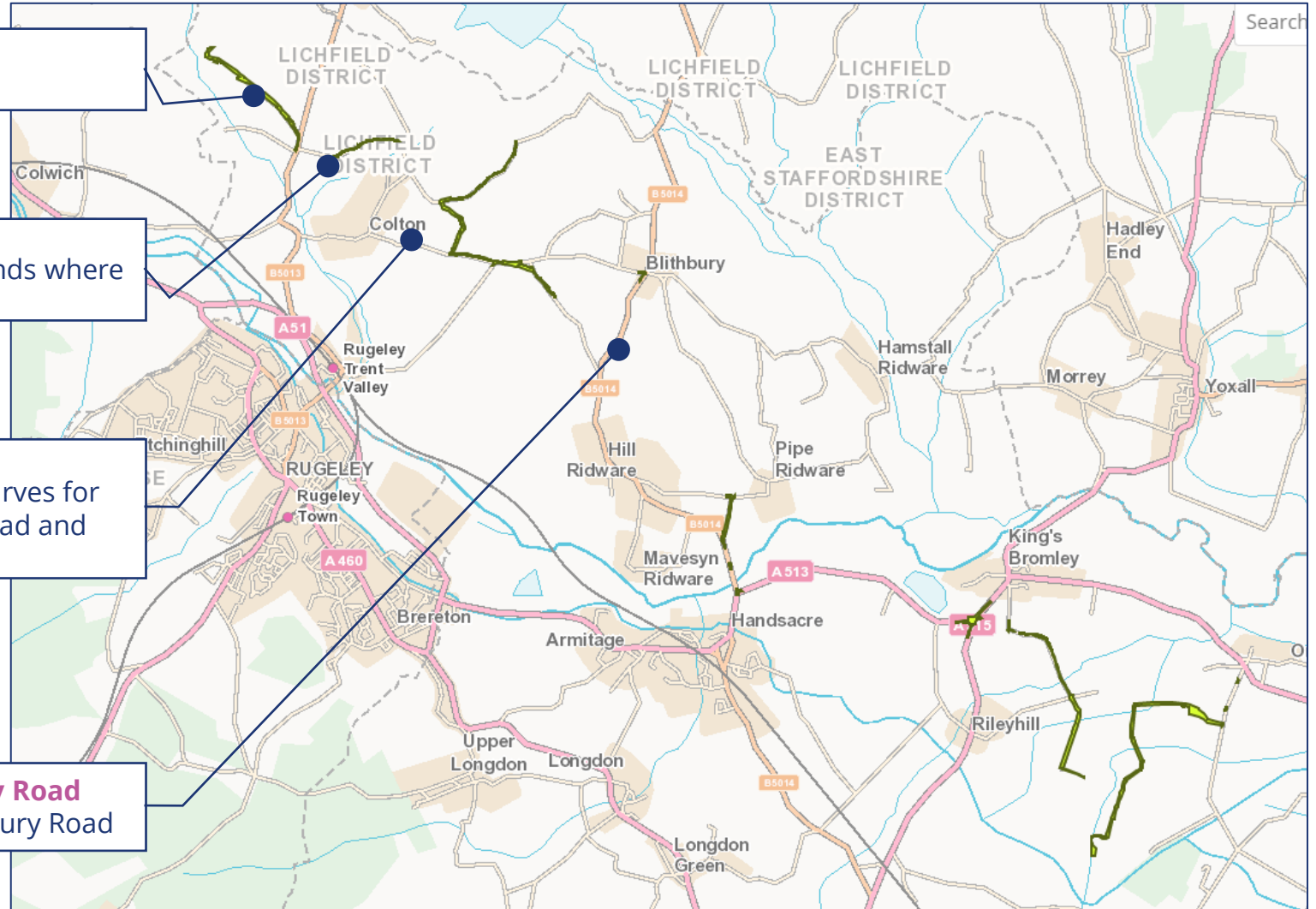
Two permanent passing bays, with road widenings on bends where required.

## Site 10: Hollow Lane

Widening Hollow Lane to 5.5m, additional widenings at curves for turnings, and a new section of road between Blithbury Road and Hollow Lane.

## Site 8: Junction of B5014 Uttoxeter Road and Blithbury Road

Widening of the junction to allow HGV left turn into Blithbury Road



# ECW2 Highways Improvement Works

## Site 24: Common Lane Improvements

Widening Common Lane and a section of B5014 Pipe Ridware Road to accommodate for 2-way traffic, with a passing place on B5014 Uttoxeter Road.

## Site 3: A513 King's Bromley Lane / B5014 Uttoxeter Road

Temporarily remove traffic island from junction, associated street furniture, and changes to kerb lines to HGV movements.

## Site 12: A513 Rugeley Road / A515 Lichfield Road Roundabout

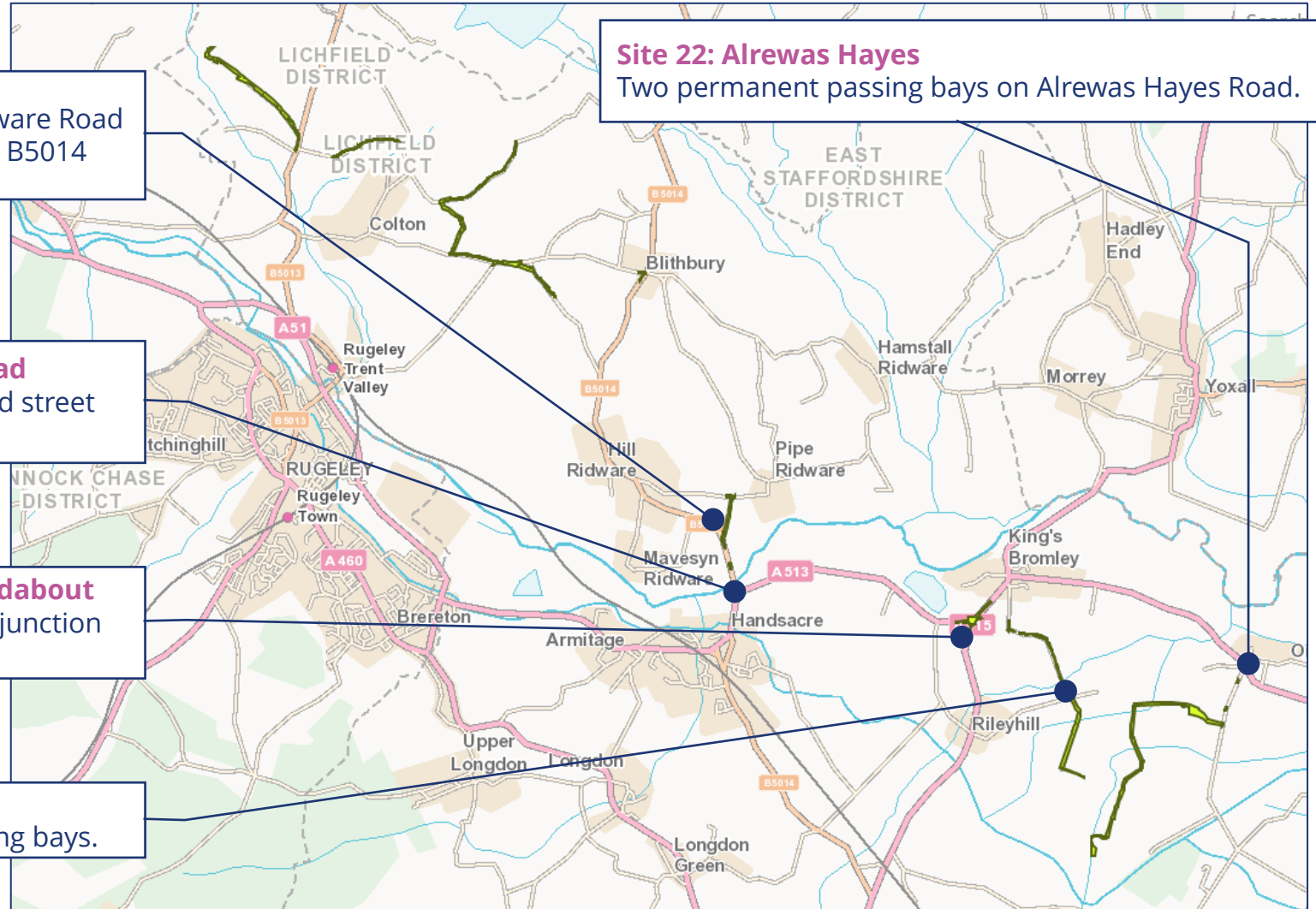
Permanent roundabout at A515/A513, to replace existing junction and provide permanent environmental mitigation.

## Site 11: Crawley Lane Modifications

Widening the road to a minimum of 3.5m, with new passing bays.

## Site 22: Alrewas Hayes

Two permanent passing bays on Alrewas Hayes Road.



# Keeping you informed

- We will look to update local communities at least 14 days before any work begins
- Our methods will include;
  - Advanced work notices via email and letter drop
  - HS2 in your area map
  - One.network
  - Email alerts by signing up on the HS2 website



# Minimising disruption

- We will always look to cause the least disruption in the community by doing as much work as we can using
  - Mobile works
  - Temporary traffic lights
- Road closures will be required but we will provide as much notice as possible.



Temp traffic lights



Mobile work



Road closure

# Social value

- As part of our work we want to help in the communities that we'll be affecting
- Our project will see us working towards
  - Providing new apprenticeships
  - Supporting local further education colleges
  - Providing work placements for over 18's
  - Undertaking school engagement days
- We will also be looking at undertaking projects within local communities and supporting projects applying for CEF/BLEF funding



# Questions

# Supplementary information

