



Early Civils Works 2

Trent-Sow Parklands and Cannock Chase AONB HS2 Group

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

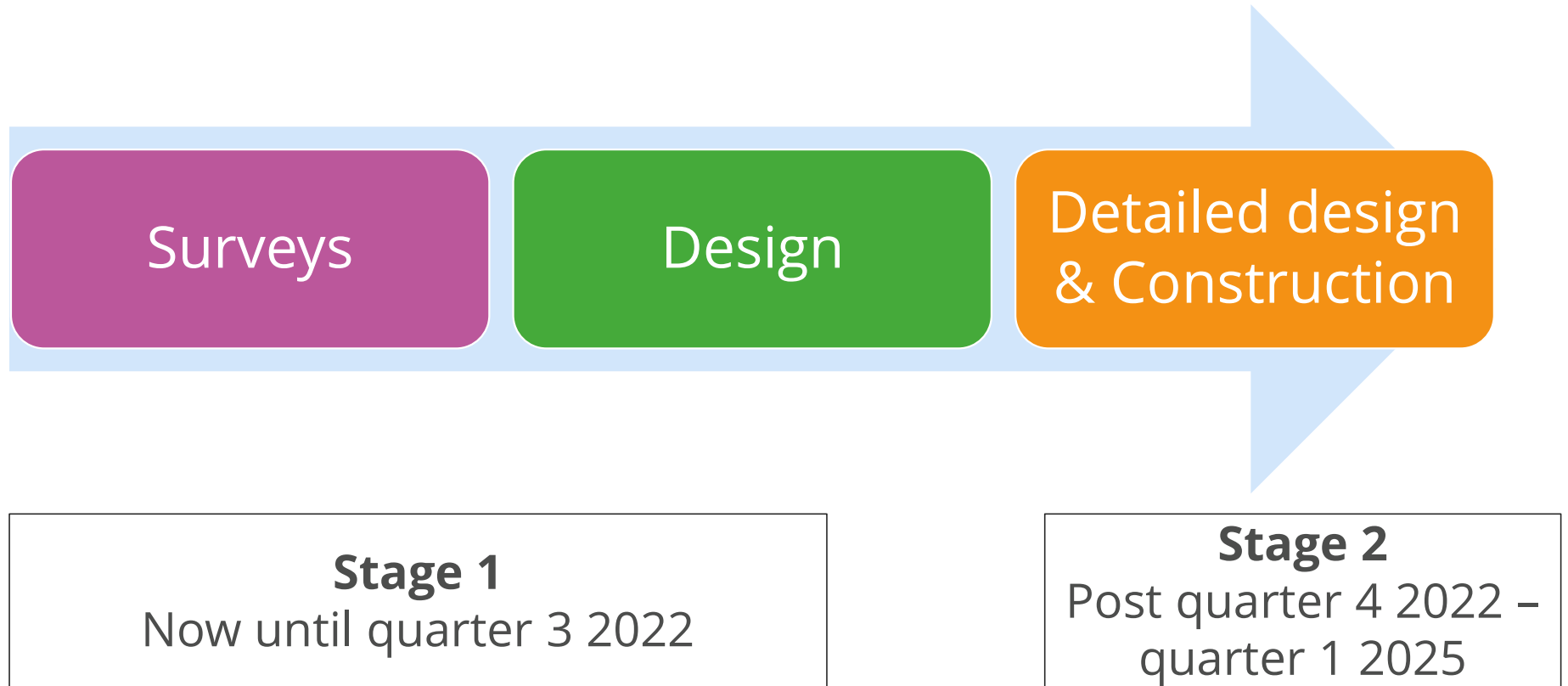
- Informing advanced and main civils scheme design
- Topographical (LIDAR) ground penetrating radar surveys, minor watercourse surveys, pre-demolition surveys
- Completed by **quarter 2 2022** to issue to advanced and main civil works

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



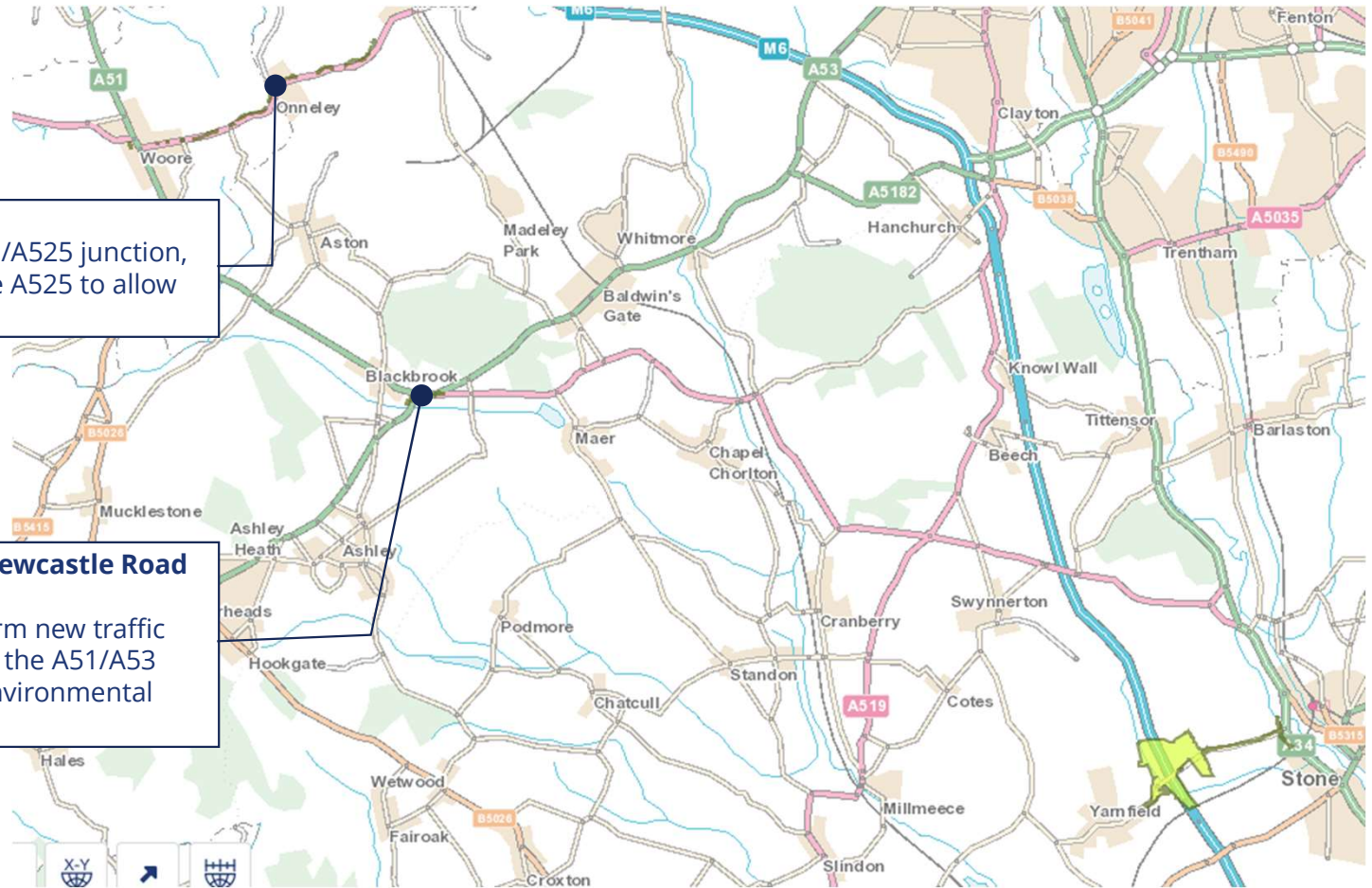
ECW2 Highways Improvement Works

Site 6: A525 Bar Hill Road

Amend kerblines, remove street furniture at A51/A525 junction, 13 temporary and 1 permanent widening of the A525 to allow HGV to pass.

Site 7: A51 Stone Road/Nantwich Road/A53 Newcastle Road junction modifications

Realignment of the A53 south of the A51 to form new traffic signal junction, utility diversions and signalise the A51/A53 junction to the east, along with permanent environmental mitigation.



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 – signed up for via 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