

Environmental Sustainability Full Impact Assessment

Impact Assessment Id: #356

1.0 Screening Information

Project Name

Redditch Transport Interchange

Name of Project Sponsor

Penny Unwin

Name of Project Manager

Rachel Jarrett

Name of Project Lead

Rachel Jarrett

Please give a brief description of the project

This is Phase 1 to redevelop the existing station for Redditch to deliver a multimodal transport interchange (taxis, buses, walking, cycling and improved rail services). This phase will include the acquisition of adjacent buildings which will be demolished for the reconfiguration of the car park and development of Public Realm.

Data Protection screening result

Does not need a full impact assessment

Equality and Public Health screening result

Will require a full impact assessment

Environmental Sustainability screening result

Will require a full impact assessment

1.1 Background and Purpose

Background and Purpose of Project?

To support your answer to this question, you can upload a copy of the project's Business Case or similar document.

This project aims to bring about a transformative change in Redditch, creating an integrated multi-modal transport interchange in the Town Centre as part of the Railway Quarter redevelopment and maximising the benefits of Redditch's position as the final destination on the Cross-City line running from Lichfield through Birmingham New Street. A renewed Redditch Station will support the town's overall regeneration, remove visual and practical barriers currently separating town and station, and become a 'gateway' bringing together the Railway Quarter and Town Centre as one seamless place, attractive, and easy to use for more visitors and residents.

Upload Business Case or Support documents

No files uploaded

Project Outputs

Briefly summarise the activities needed to achieve the project outcomes.

The Project Phase 1 objectives are:

- Create a modern attractive entrance and customer experience for commuters and visitors to Redditch
- Create a multi-modal connection with accessibility for all users, with multi-modal including rail and bus services, car parking, taxi drop off/pick up, cycle access and direct pedestrian routes
- Enhance station amenities and accessibility sufficient to meet Redditch's 1.1 million trips p.a. and allow for 8-22% passenger growth between 2020 and 2035
- Greater connection between Redditch town centre and the Railway Quarter for all
- Create safe and secure environment for all users public and staff
- Create a sustainable and green environment and reduce carbon consumption
- Facilitate increased train frequencies to 4tph
- Consider opportunity for residential and commercial premises

Project Outcomes

Briefly summarise what the project will achieve.

The project scope for Phase 1 work can be considered as the following major components:

- Acquisition and demolition of adjacent public house and 3 no. Victorian buildings
- Multi-modal transport interchange, considering rail, bus, taxi, drop off/pick up, cycle and pedestrians
- Reconfiguration of station car park (no net change on spaces)
- New 2 storey station building – upper level provides access direct to Unicorn Hill and public realm. Lower level access to platform and car parking.
 - o Provision on new staff accommodation and public facilities – waiting room, toilets, retail
- Direct and level access to the existing bus interchange under Kingfisher Centre
- Highways modifications across Unicorn Hill, providing a 'shared space' environment
- Passive provision for a 2nd track and platform to the west of existing track (Phase 2 delivery)

Is the project a new function/service or does it relate to an existing Council function/service?

Existing

Was consultation carried out on this project?

No

1.2 Responsibility

Directorate/Organisation

Economy & Infrastructure

Service Area

Economy Major Projects & Waste

1.3 Specifics

Project Reference (if known)

Not Recorded

Intended Project Close Date *

August 2026

1.4 Project Part of a Strategic Programme

Is this project part of a strategic programme?

Yes

An overarching screening has already been carried out for the following areas:

Data Protection

Equality and Public Health

Environmental Sustainability

What was the conclusion?

A full Equality and Environmental sustainability screening was required.

Upload previous impact assessment documents if available

No files uploaded

2 Greenhouse Gas Emissions

Could the project result in an increase in GHG emissions (including CO2)? Yes

Please be mindful that the Council has committed to reduce its GHG emissions to zero by 2050 and most projects are likely to have an impact on this target. This should be a key consideration in your project delivery and should be reviewed when completing the assessment.

Please explain your answer below:

The trains are all electric and there is no net gain in existing car parking spaces being provided by the project. There are no current plans to increase the provision of taxis or buses. However, the construction of the new building will impact CO2 emissions in the short term.

Have you undertaken an assessment of the project to know if there will likely be an increase in GHG emissions? No

Please explain your answer below:

Not recorded

3 Resources

Will the project result in increased consumption of electricity, gas or other heating fuels? Yes

e.g. project may require use of additional buildings, lighting and heating in buildings, additional ICT equipment, etc.

Please explain your answer below:

The new station building is bigger than the original footprint so could incur greater consumption of electricity to heat and light. There is no gas or oil supplied to the building. The design of the new station building may incorporate solar panel technology for consumption of electricity. The demolition of the three existing Victorian buildings and public house will lead to a net reduction on overall electricity consumption.

Will the project reduce energy needs and result in reduced consumption? No

e.g. disposal of WCC property assets

Please explain your answer below:

Not recorded

Will the project require additional water resources leading to an increase in water consumption? Yes

e.g. increased use of water through construction processes

Please explain your answer below:

The addition of new toilet facilities will lead to increase in water consumption however, the design of the new station building will investigate water saving measures

Might there be a decrease in water consumption? Yes

e.g. will the project involve water saving measures or initiatives

Please explain your answer below:

The design of the new station building will investigate potential water saving measures.

Will the project result in the use of other resources, materials or minerals? Yes

e.g. use of natural resources such as wood; or use of aggregate minerals?

Please explain your answer below:

Construction of the new station will require the procurement of materials.

4 Transport

Will the project result in more people needing to travel? Yes

e.g. will there be additional cars on the road

Please explain your answer below:

The project is designed to encourage the use of rail travel as a more sustainable form of travel and is designed as multi modal transport interchange linking with other forms of transport. There will be consideration for walking and cycling options in the design of the new station.

Have alternative transport modes been considered? Yes

e.g. could use be made of public transport/walking/cycling etc.

Please explain your answer below:

The project is designed to encourage the use of rail travel as a more sustainable form of travel and is designed as multi modal transport interchange linking with other forms of transport. There will be consideration for walking and cycling options in the design of the new station.

5 Waste

Is there likely to be an increase in waste as a result of the project? Yes

e.g. construction waste, packaging waste etc.

Please explain your answer below:

There will be construction waste as a result of demolition.

Have opportunities to prevent, minimise, reuse or recycle waste been identified and considered? Yes

e.g. will recycling facilities be available as part of the project

Please explain your answer below:

Where possible, reuse of existing materials will be considered to mitigate waste. There will be no net gain or loss from the cut and fill exercise across the site .

6 Wildlife and Biodiversity

Will there be any negative impacts on the natural environment? Yes

e.g. will the project involve removal of green space/trees; have wildlife surveys been considered; result in enhancements to green infrastructure; increased biodiversity opportunities etc.?

Please explain your answer below:

There will be a positive impact to the natural environment with the development of a new Public Realm green space with planting and trees to promote biodiversity.

Has a preliminary ecological appraisal been undertaken? No

Please explain your answer below:

Not recorded

Has there been consideration of statutory assessments? No

e.g. Sustainability Appraisals, Strategic Environmental Assessments and Habitat Regulations Assessment Screening?

N.B. This is a matter of legal compliance - All plans and projects (including planning applications) which are not directly connected with, or necessary for, the conservation management of a habitat site, require consideration of whether the plan or project is likely to have significant effects on that site. This consideration – typically referred to as the 'Habitats Regulations Assessment screening' – should take into account the potential effects both of the plan/project itself and in combination with other plans or projects.

7 Pollution to land/air/water

Is there a risk of pollution to the local environment? Yes

e.g.

- will there be surface water run-off or discharge into local water source?
- will there be any impact on local water quality?
- will any waste water require treatment?
- is there the potential for spillage of chemicals?
- is there the potential for emissions to air from combustion processes resulting in poor air quality?

Please explain your answer below and include any actions that have been identified to mitigate these risks:

During the demolition and construction phases there will be a short term negative impact to air quality and construction works will affect noise and dust pollution which will need to be monitored in line with statutory regulations.

8 Resilience to climate risks

Could climate risks affect your project? No

N.B. some projects may be more sensitive to future changes in the climate e.g. hotter and drier summers; milder and wetter winters; increased likelihood of extreme weather events. These climate risks may affect project delivery and should be considered at the early stages of project development.

Has the impact of extreme weather events on the project been considered? No

e.g. heat waves and flooding.

Is there a business/project continuity plan in place to ensure climate risks are minimised? No

e.g. can you ensure that the project is resilient to climate risks and can continue to deliver on outcomes.

Could the project exacerbate climate risks? No

e.g. increase flood risk or worsen temperature extremes in the locality.

Will the project result in the use of other resources, materials or minerals? Yes

e.g. use of natural resources such as wood; or use of aggregate minerals?

Please explain your answer below:

Construction of the new station will require the procurement of materials.

9 Historic Environment

Have you checked with the WCC Historic Environment team as to whether there are any impacts on the Historic Environment (negative or positive)?

No

Check every development with the Historic Environment Team at the planning stage of each project. Further assessment may be required depending on the nature and scale of development. There may also be design options that would negate any need for further assessment (and lessen costs), or even opportunities to enhance heritage assets or their setting through the development.

Does the development have the potential to result in any impacts to the historic environment or opportunities for enhancement?

No

If yes, then further assessment will be required. This could take the form of a watching brief during groundworks if the potential is clearly understood and relatively low, or a more comprehensive desk-based and/or field investigation prior to development.

10 Procurement

Could any procurement associated with the project have a detrimental environmental impact? Yes

e.g. procurement of goods from overseas that have to be shipped; use of unsustainable materials or materials that cannot be recycled at the end of their use?

Please explain your answer below:

Procurement strategy could mitigate this by stipulation of sustainable or locally sourced materials.

Is there likely to be increased Greenhouse Gas emissions from products purchased for the project? Yes

e.g. carbon emissions from transport and manufacturing

Please explain your answer below:

The manufacture and shipping of construction materials could lead to increased greenhouse gas emissions

Will you be able to make use of sustainable products? Yes

e.g. recycled, local, ethical etc.

Please explain your answer below:

Sustainable and local options will be utilised wherever scope and budget from the project allows

Have you considered the Public Services (Social Value) Act 2012? Yes

All major contracts let by the Council (those of more than £100,000 in total value) will be expected to deliver a meaningful contribution to our vision of Social Value in the county. The Act requires us to consider how the services we commission and procure might improve the economic, social and environmental well-being of the local area.

– please see: [Social Value](#)

Please explain your answer below:

Social values will be incorporated into contractual milestones and monitored through KPIs

11 Declaration

I have confirmed that to the best of my knowledge that the information I have provided is true, complete and accurate

I have confirmed that I will make sure that Environmental Sustainability has been and continues to be considered throughout the project life cycle and should circumstances change in the project a further Environmental Sustainability Assessment Screening will be carried out.

12 Application Details

Last Updated Date Time

16/06/2022 10:42:05

Screening Submitted Date Time

29/04/2022 11:02:58

Last Reopened Date Time

No Date Recorded

Full Impact Submitted Date Time

05/05/2022 16:18:14

Approved/Rejected Date Time

16/06/2022 10:42:05

Current User Dashboard Request Status

Complete

13.0 People with access to the original screening

[Adele Clarkson \(AClarkson@worcestershire.gov.uk\)](mailto:AClarkson@worcestershire.gov.uk)

13.1 People with access to this environmental sustainability assessment

[Adele Clarkson \(AClarkson@worcestershire.gov.uk\)](mailto:AClarkson@worcestershire.gov.uk)

Question:

Many thanks for completing the Environmental Sustainability FIA.

Please note the following comments for each of the sections. Your responses are required before we can approve completion of the FIA:

3) Resources - It is stated that the development may include renewable energy generation in the form of solar technology - this would be very much encouraged, particularly as there is no gas or oil at the site, so assume all heating and lighting is from electricity? If this is the case, then solar PV would be encouraged.

6) Wildlife and Biodiversity - Response from WCC Ecology Team: A project of this scale should be informed by underpinning ecological studies. At the very outset of project initiation, an Ecological Constraints and Opportunities Plan (ECOP) would be the cheapest and most expedient approach and, as optioneering progresses, a Preliminary Ecological Appraisal (PEA) should be undertaken to scope any need for species-specific and seasonally constrained surveys. This is, of course, a broader matter than a requirement for later planning submission, or for legal compliance, but it's also a prudent project risk management approach to embed ecology consideration early into project structure

There are therefore ecology assessment requirements - please could the project manager contact the Ecology Team (ecology@worcestershire.gov.uk) for further advice and support.

8) Resilience to Climate Risks - Climate risks are very likely to impact the project, possibly throughout the building phase, and certainly over the whole lifetime of the development. Climate change will result in more extreme weather events. Overheating of buildings and flooding risks (relevant to both property and rail/transport infrastructure) need to be a considered at design stage. It is advised that a business continuity plan is in place to address climate risks.

9) Historic Environment - Response from County Archaeologist - Please consult the WCC Historic Environment Team via email to

Asked by Katie Bruton (KBruton@worcestershire.gov.uk) at 19/05/2022 12:33:15

Adele Clarkson (AClarkson@worcestershire.gov.uk) has been asked this question.

Response:

To date, an ecological technical note has been produced for the site which is appended to this assessment. Under the current commission, a PEA will be undertaken with particular reference to roosting bats and their flight path in advance of any demolition of buildings and to inform the appropriate lighting strategy for the outline and detailed design phase. A landscaping concept design has been developed and the PEA will also help inform the landscaping and planting for the Public Realm areas to assess and achieve a positive impact for measurable net gains in biodiversity. The detailed design stage will consider renewable energy generation and mitigation risks for overheating of buildings and flooding risks with a business continuity plan. A desk based heritage and archaeological assessment has been instructed to be undertaken at the earliest opportunity in the scheme which will be reviewed during the lifecycle of the project to undertake additional archaeological assessments as required.

[Redditch Station Improvements Ecological Technical Advice Note.docx](#)

Adele Clarkson (AClarkson@worcestershire.gov.uk) at 13/06/2022 12:28:42

(User was not logged in when response was submitted. Identity Unverified)

Add Response

Question:

Continued:

9) Historic Environment - Response from County Archaeologist - Please consult the WCC Historic Environment Team via email to headvisory@worcestershire.gov.uk (and the district conservation team) at the earliest opportunity. It is very likely that there will be impacts to the historic environment and we would like to see details of the scheme at the earliest opportunity.

Asked by Katie Bruton (KBruton@worcestershire.gov.uk) at 19/05/2022 12:33:51

Adele Clarkson (AClarkson@worcestershire.gov.uk) has been asked this question.

Currently Unanswered

Add Response