

November 2019

A Practical Application of Well-Being of Future Generations Act

StIP – The Station Improvement Plan



Presentation Outline

- What is StIP ?
- Background to WBFGA
- Arup Activities/Deliverables
- Application and Outputs re Sustainable Development
- Procurement

Background : What is StIP ?

- Keolis Amey Operations appointed as Franchise Partner
- Grant Agreement included commitments re StIP
- Upgrade of Stations through Wales and Borders
- Arup appointment for initial phases of work

The Act in Contractual Obligations

“In carrying out the Services the Supplier shall:

- have regard to the objectives and requirements of the Future Generations Act
- fully and effectively co-operate with, the Authority to allow the Authority to comply with the Future Generations Act...”

	ODP Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Minor Works	Annual															
Branding	1 to 5															
Secure Station Accreditation	Annual															
Station Facilities	2 to 14															
Accessibility Fund	6 to 12															
Station Flagship Schemes	4 to 13															
Art and Green Programmes	4 to 9															
Station Retail	1 to 5															
Community	1 to 15															
Station Asset Management Plan	1 to 15															
Station Refresh	1 to 2															
Existing gatelines	1 to 2															
New gatelines and ticket office mods	2 to 5															
Sustainability Development	3 to 8															
Cycle Storage	2 to 6															
New / Extended car parks (1,500 spaces)	3 to 7															
New Station Treforest Estate	7 to 8															
New Station Gabalfa	9															

AFA schemes (11 no.) incl Central Metro


1,500 additional parking spaces


Hub and Interchange (20 no.)

Gatelines

C1 Stations (18 no.)

C and D Stations (209 no.)

 Spend > £1m pa

 Spend < £1m pa

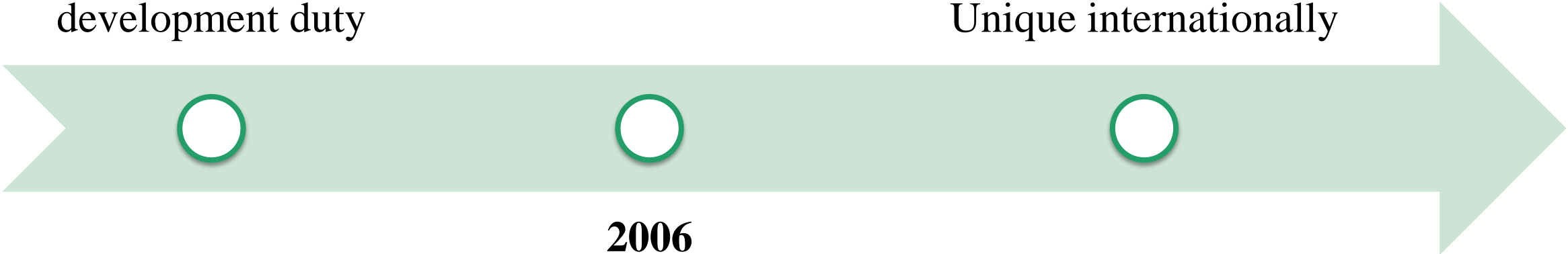
The Evolution of Sustainable Development in Wales

1999

Wales became one of the few countries in the world with a sustainable development duty

2015

Well-being of Future Generations Act
Unique internationally

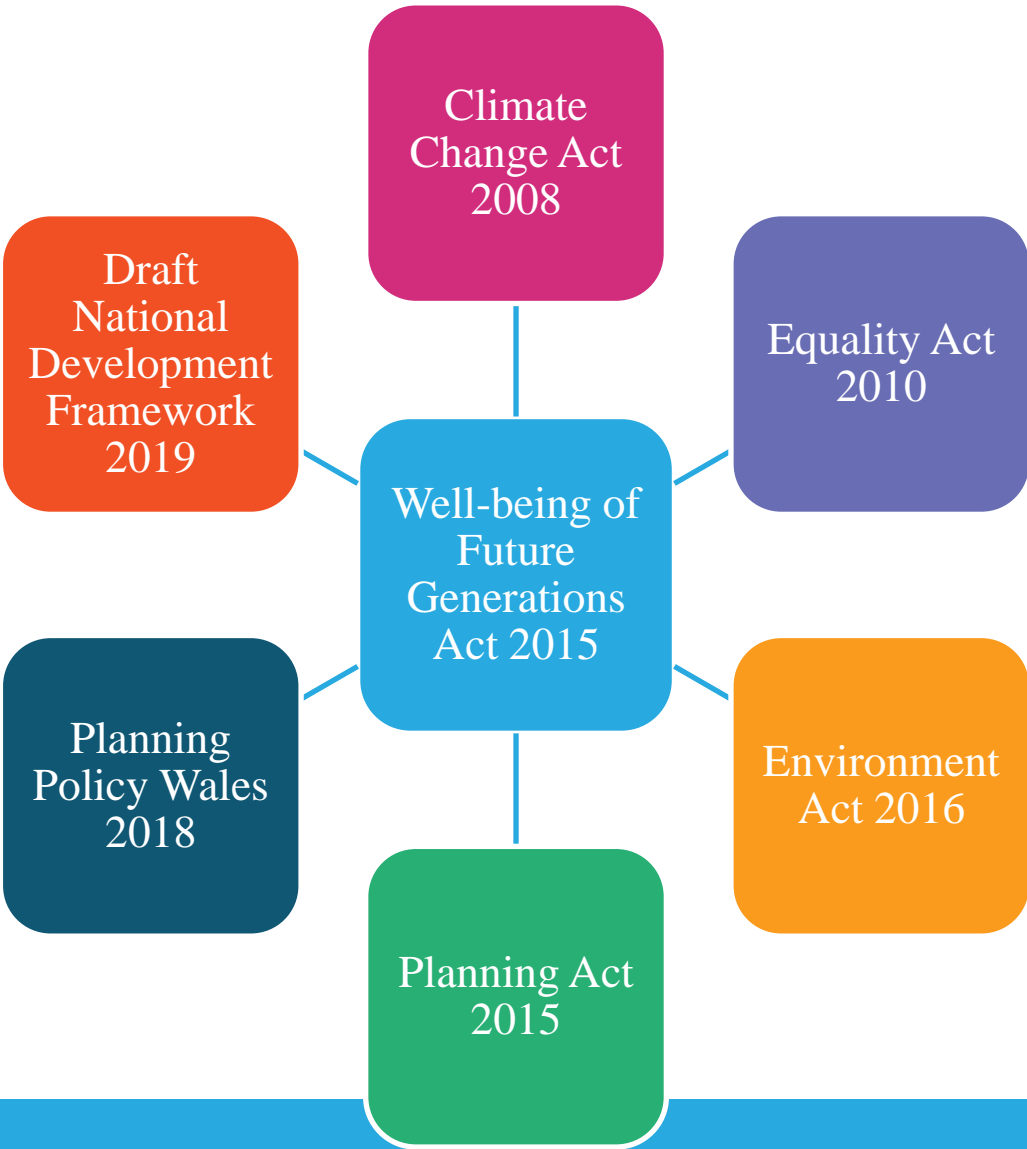
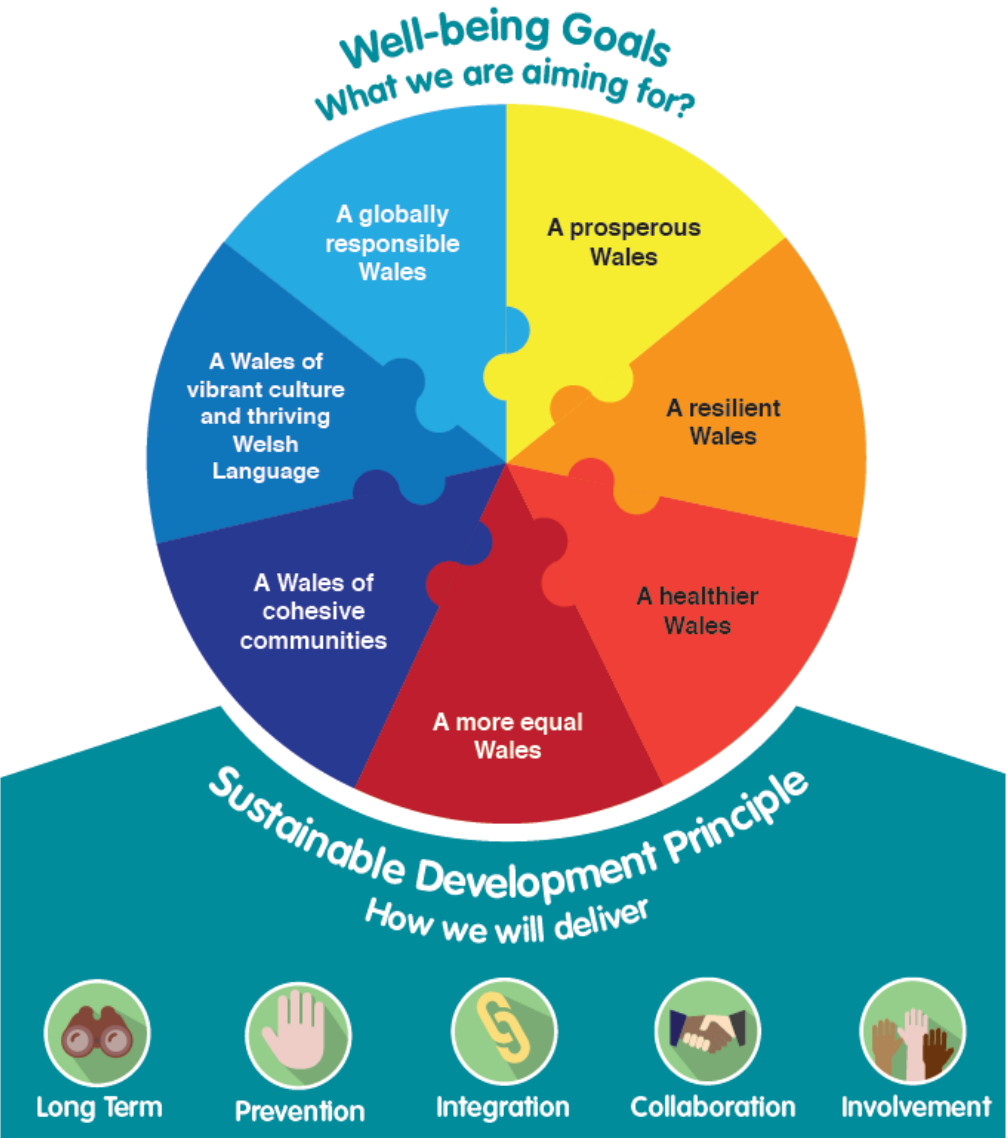


2006

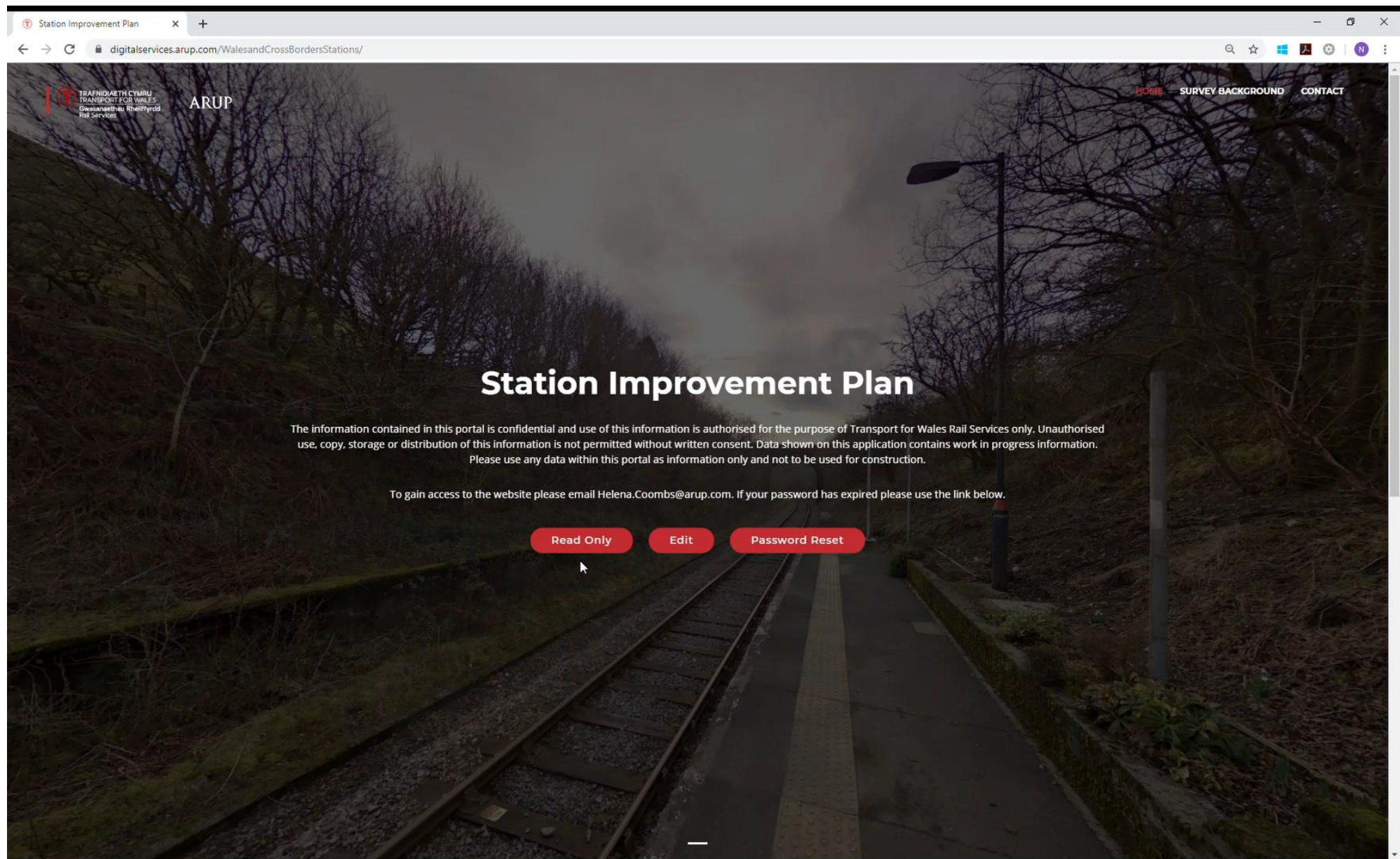
Government of Wales Act
Strengthened duty



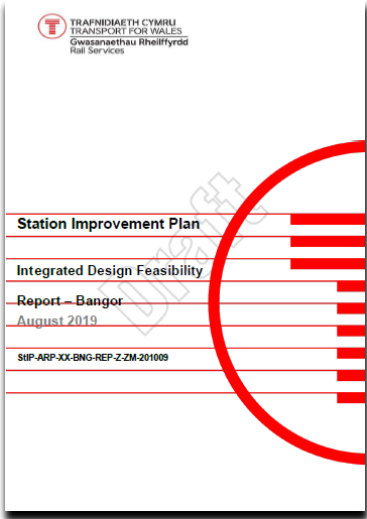
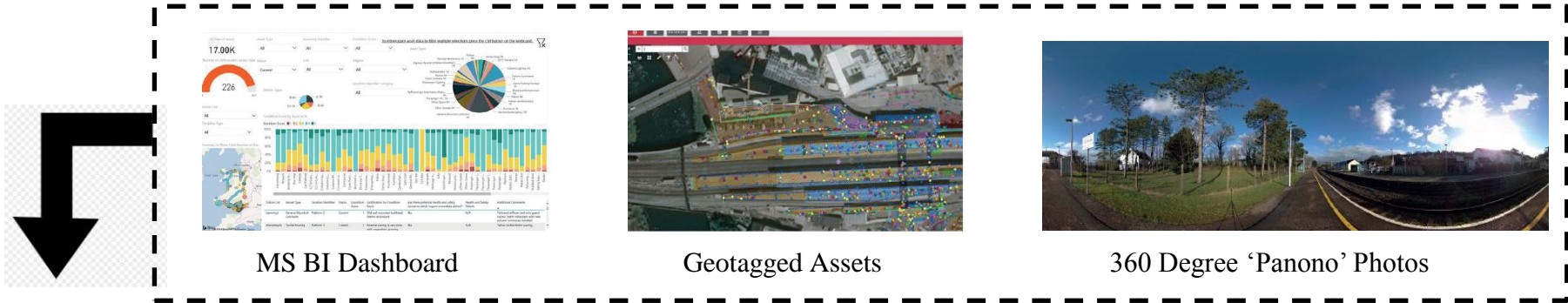
Starting with the Framework for Sustainable Development



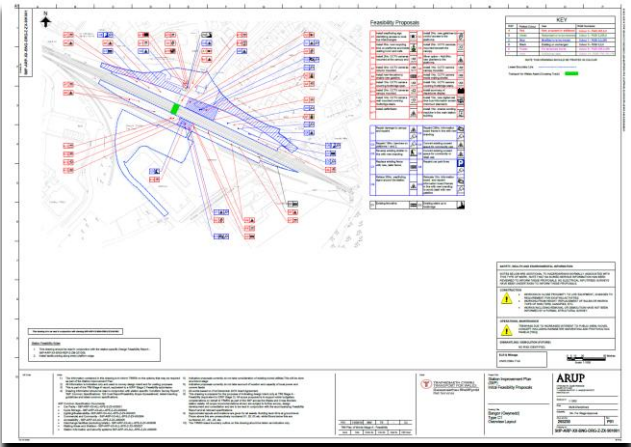




Planning the StIP Programme



Assessment



Plan

The figure shows a detailed cost estimation table from ARUP CORDEROY. The table is organized into several sections, including "Elemental Cost Summary", "Total Project Costs", and "Total Project Costs (Gross)". The table provides a breakdown of costs for various elements, including station improvements, track works, and other infrastructure. The total project cost is estimated at £104,100,000.

Elemental Cost Summary	Station Improvements	Track Works	Other Infrastructure	Total Project Costs
Station Improvements	£10,000,000	£10,000,000	£10,000,000	£30,000,000
Track Works	£10,000,000	£10,000,000	£10,000,000	£30,000,000
Other Infrastructure	£10,000,000	£10,000,000	£10,000,000	£30,000,000
Total Project Costs	£30,000,000	£30,000,000	£30,000,000	£90,000,000

Estimation (at elemental level)



Gold/Silver/Bronze Options

Estimated costs by Scope Element					
Scope Element	Total Base Costs	Contingency/Risk	Total Project Costs (BRONZE)	Total Project Costs (SILVER)	Total Project Costs (GOLD)
	£	£	£		
Branding	£ 10,740.00	£ 4,296.00	£ 15,036.00	£ 15,036.00	£ 15,036.00
Platform Shelters & Furniture	£ -	£ -	£ -	£ -	£ -
Secure Stations	£ -	£ -	£ -	£ -	£ -
Station Facilities	£ 142,161.80	£ 56,864.72	£ 199,026.52	£ 199,026.52	£ 247,267.02
Accessibility	£ -	£ -	£ -	£ 12,930.96	£ 12,930.96
Flagship Schemes	£ -	£ -	£ -	£ -	£ -
Art & Green Programmes	£ -	£ -	£ -	£ -	£ -
Station Retail	£ -	£ -	£ -	£ -	£ -
Community	£ -	£ -	£ -	£ -	£ -
Station Refresh	£ -	£ -	£ -	£ -	£ -
Ticket Office Improvements	£ -	£ -	£ -	£ 112,770.00	£ 112,770.00
Sustainability Development	£ -	£ -	£ -	£ 13,908.30	£ 13,908.30
Car Parks	£ 212,115.00	£ 84,846.00	£ 296,961.00	£ 494,935.00	£ 494,935.00
Cycle Storage	£ 14,588.50	£ 5,835.40	£ 20,423.90	£ 20,423.90	£ 20,423.90
New Stations	£ -	£ -	£ -	£ -	£ -
TOTAL	£ 379,605.30	£ 151,842.12	£ 531,447.42	£ 869,030.68	£ 917,271.18

Application of the Well-being of Future Generations Act

- Sustainable Development Plan
- Future Generations Workshops
- Stakeholder engagement
- Assessment and Integrated Design Feasibility Reports
- Planning applications
- Sustainable Development Report



Environment

- Expenditure on solar PV, LED lighting, rainwater harvesting
- Waste, water and carbon targets
- Drinking water refill stations
- Smart energy and water metering
- Electric vehicle charging










Economic

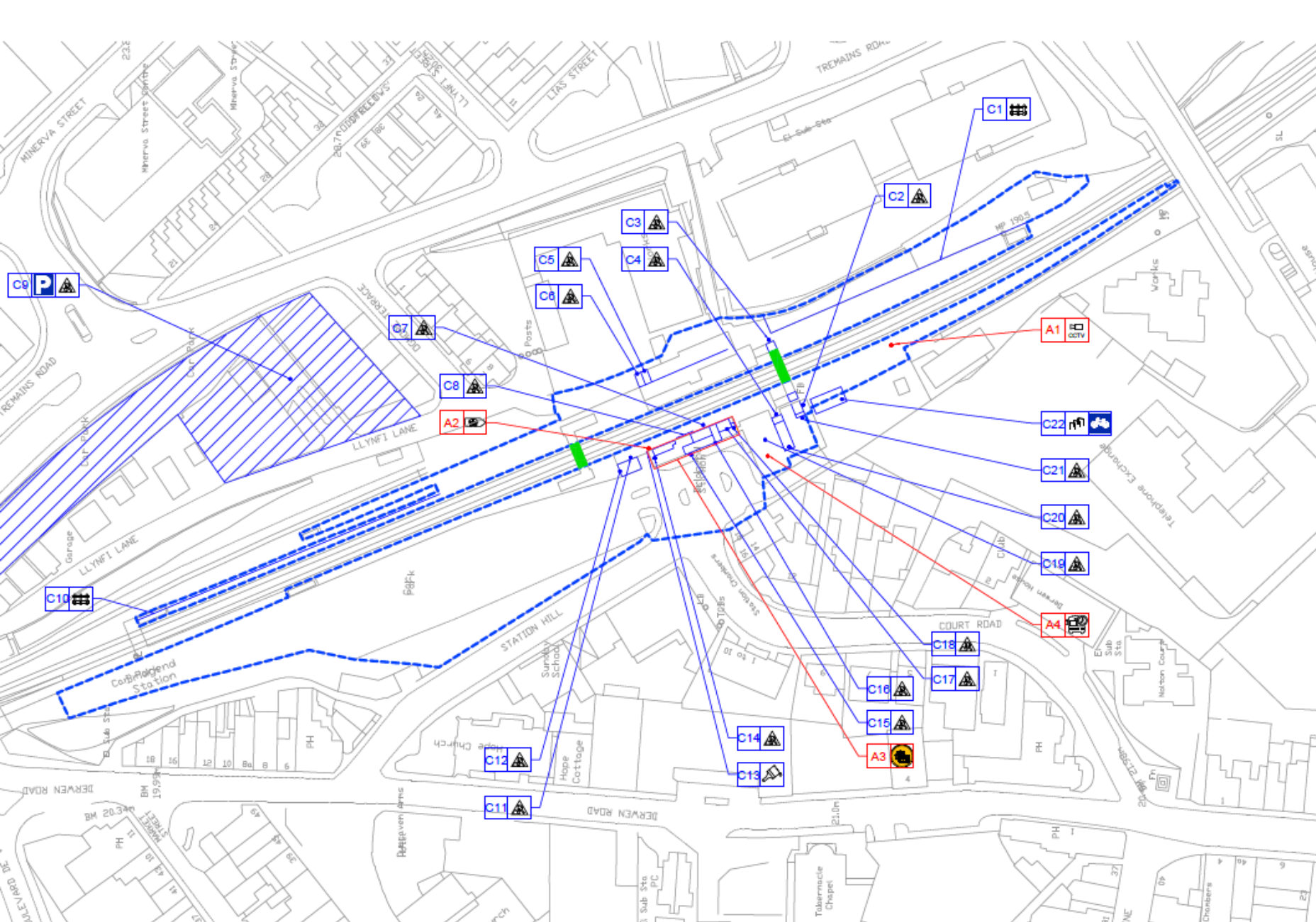
- Work opportunities for SMEs and third sector/social enterprises
- Source local materials
- Pay workers a living wage

Social and Cultural

- Use of unused spaces for community activities
- Stations to provide community information
- Work collaboratively to deliver more ambitious improvements
- Target community groups through volunteering organisations
- Hub stations to provide access to key locations (hospitals and leisure)
- Help the homeless
- Cycle infrastructure and facilities
- Active travel fund to improve facilities
- Protect historic environment / assets
- Bilingual information and signage

Way of working	Approach
Long-term	Considering future trends relating to social, economic, environmental and cultural well-being, as set out in the SDP
	Considering long term maintenance and management of assets in design and delivery of improvements, in consultation with Network Rail
	Developing a local supply chain to deliver works over the 15-year Grant Agreement and providing skills that will enhance employability in the future
Integration	Within the Arup PMO, integrating the StIP sustainable development, planning and stakeholder engagement approaches under a single workstream
	Facilitating induction workshops with TfW, TfWRS and Arup staff to raise awareness of the context and requirements of the Future Generations Act
	Considering local authority and public body well-being objectives in design and delivery of improvements
Involvement	Engaging and consulting with stakeholders and the public as per the Stakeholder Engagement Plan
	Engaging with organisations with a particular interest in sustainable development
Collaboration	Establishing responsibility and governance approaches for sustainability early to ensure consistency across TfWRS workstreams
	Scheduling regular monthly collaboration meetings across all sustainability workstreams on TfWRS projects
	Establishing mechanisms for StIP to feed in to TfWRS annual progress reporting process (POB0128)
	Establishing a collaborative approach to procurement that embeds the Future Generations Act
	Scheduling design reviews with the Office of the Future Generations Commissioner for Wales to share and integrate best practice
Prevention	Considering environmental and heritage constraints in the planning process as per the Planning Strategy

Improvement	How does the improvement support the well-being goals?	Relevant well-being goals					
Providing new and improved digital passenger display information screens	Improving user experience by enhanced information facilities would help reduce passenger stress through reduced uncertainty and allow for passengers to better plan their trips, and there would also be commercial benefits to be realised through increased attractiveness in railway usage and potentially advertisements. Providing improved digital information leads to a more equal Wales by giving an additional information source for those who are hard of hearing with PA announcements. Information would be displayed in dual language, therefore supporting the Welsh language (and culture).						
Providing new and improved signage and wayfinding							
Providing new digital multi-modal transport information including bus real-time information facilities	Improving user experience and ability to change modes would help reduce passenger stress, allow for passengers to better plan their trips, and there would also be commercial benefits to be realised through increased attractiveness in patronage. Information would be displayed in dual language, therefore supporting the Welsh language (and culture). Improving facilities for increased sustainable travel could benefit air quality and physical fitness and reduce the environmental impacts of travel by car.						



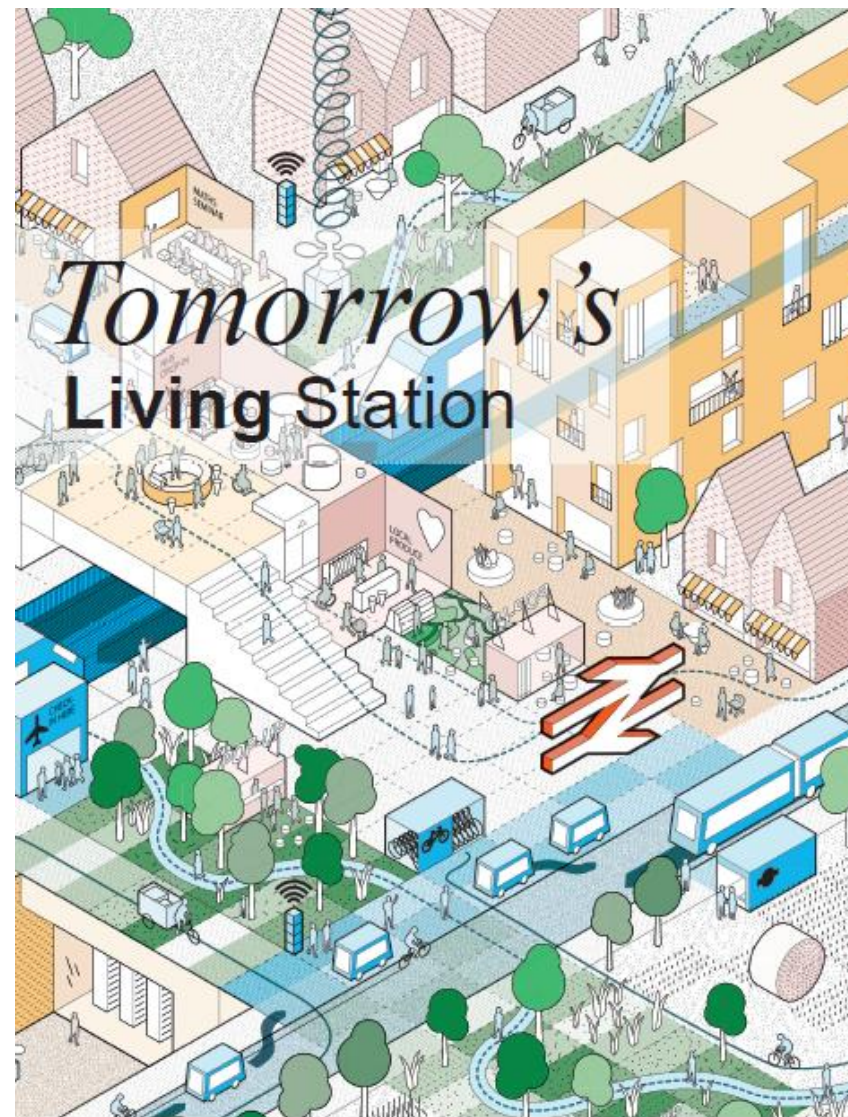
Feasibility Proposals

A1	Add 1No. CCTV camera on existing column overlooking cycle rack.		A2	New taxi wayfinding sign.	
A3	Gold option - Install solar PV on building roof. (130m²)		A4	Install new digital bus information screen.	

C1	Replace fence-line: Cut back vegetation and repair damaged elements. Retreat timber.		C2	Prevent water ingress into room and repair timber door and frames.	
C3	Replace timber door and frames.		C4	Disabled WC: Repair door lock and identify and repair reason for flooding.	
C5	Prevent water ingress into room and repair.		C6	Stop major water leak and repair.	
C7	Staff Room/Kitchen: Repair wear and tear throughout and replace lino floor.		C8	Replace 1No. cracked pane.	
C9	Additional car parking spaces to be provided by reconfiguration of existing local authority car park. Resurfacing and removal of street furniture as required.		C10	Replace fence-line due to damage and level of deterioration.	
C11	Replace 'No Smoking' sign.		C12	Disabled WC: Repair reason for flooding.	
C13	Repair leaking gutter and rusted downpipe.		C14	Replace the floor mat.	
C15	Document Exchange Room: Repair the holes to conceal wires and repaint walls.		C16	Repair wear and tear throughout.	
C17	Repair wear and tear throughout.		C18	Replace the floor mat.	
C19	Concourse: Repair or replace matwell.		C20	Disabled WC: Repair leak in the roof.	
C21	Repair mortar and repair or replace door and door frame.		C22	11No. sheffield stands to be replaced with new sheltered Sheffield stand cycle parking and make good ground.	

Procurement and Delivering Sustainable Development

Asset	Anticipated Works / Trades	Asset	Anticipated Works/Trades	Asset	Anticipated Works/Trades
Ticket Office / Staff Office / Passenger Waiting Room / Retail Unit / Commercial Use / Toilets including any canopies	Electrical supply Gas Supply Hot and Cold-Water Supply Waste Water Telecoms Installation Brick/Block Laying Plastering Painting Glazing Carpentry Tiling	Column Lighting, Safety Equipment Cabinet, Electrical Containment	Column luminaire supply Column supply Passenger lighting supply General luminaire Supply Electrical connection Installation	Car Parks / Taxi Ranks incl. ground improvement works e.g. retaining walls	Earthworks Kerbs Drainage Paving – slabs, tactiles Unbound Paving Bound Paving Lining Column Luminaire CCTV Camera Lighting/Camera Columns Electrical connection Telecoms Soft Landscaping Fencing
Platform, Concourse, Ramps, Staircases, Underpass	Paving – Slabs Tactile Paving Painting Earthworks Reinforced Concrete Handrail supply and installation Brick/Blockwork Laying Specialist Groundworks Drainage	Passenger Waiting Shelters	Shelter supply Civil or Building Works to install Electrical connection Telecomm connection Drainage Paving – Slabs Unbound Paving Bound Paving	Cycle Parking / Storage	Cycle Parking Supply Civil Ground Works Electrical connection Drainage Paving – Slabs Unbound Paving Bound Paving
CCTV Cameras, Passenger Help Points, Passenger Information – Digital, Public Address, WIFI	Camera supply Column supply Help Point supply CIS supply Public Address supply Electrical connection Telecoms connection Installation	Furniture incl. benches, bins, advertising, passenger information (non-digital)	Furniture Supply General Building Works Painting Signage	Heritage Assets / Special Features	Stone Masonry



ARUP

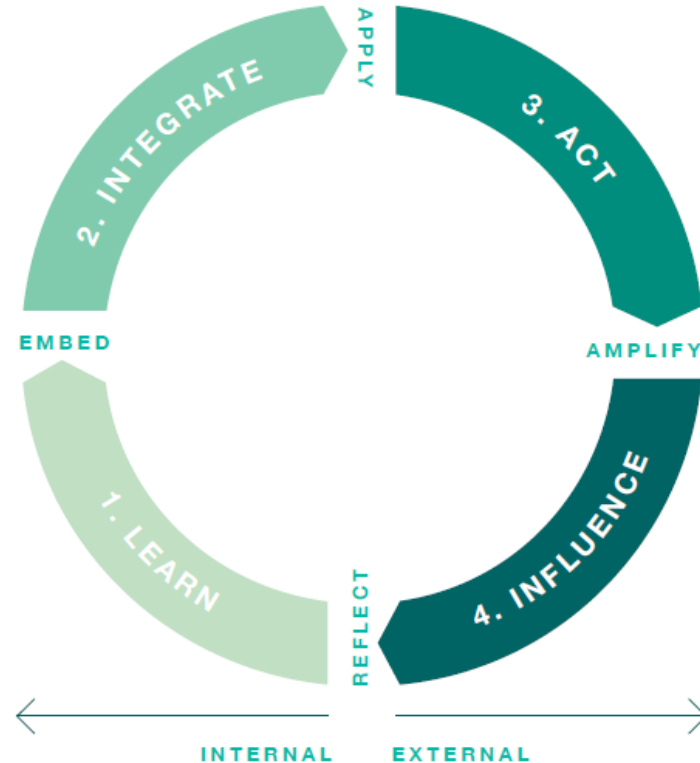


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Business Opportunity

Act, Enable, Influence.

“The time for talk is over. The world urgently needs to change and so do we.”



Thank You

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