



HM Government



**Thames  
Valley  
Berkshire**

LOCAL ENTERPRISE PARTNERSHIP

# Local Growth Funds



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# Newbury: King's Road Link Road

The King's Road Link Road in Newbury is a new direct link between the Hambridge Road industrial area and the A339. The scheme will support housing delivery and significantly improve access to a key employment area.

**Delivery Partner:** West Berkshire Council

**Main contractor:** Housebuilder's contractor

**LEP investment of Local Growth Funds (LGF) by year:** 2016/17: £1,335,000; 2017/18: £1,000,000

**Total cost of scheme:** £4,825,000

## Status:

- Demolition complete
- Geotechnical and contamination reports highlighted increased costs
- Bid to Housing Infrastructure Fund submitted

## Scheme benefits:

- Decontamination of former industrial site
- New link road and railway bridge
- 177 new houses





# Newbury: London Road Industrial Estate

A new junction on the A339 and widening to provide access to the London Road Industrial Estate (LRIE), opened up a 10-hectare edge of town centre site for redevelopment. The scheme unlocked the potential for additional housing and extends the town centre; a longstanding objective of the Newbury Vision 2025.

**Delivery Partner:** West Berkshire Council

**Main contractor:** Balfour Beatty

**LEP investment of LGF by year:** 2015/16: £500,000; 2016/17: £1,400,000

**Total cost of scheme:** £4,500,000

## Status:

- Completed 27 March 2017
- A case study has been published at [thamesvalleyberkshire.co.uk/news.htm?id=10](http://thamesvalleyberkshire.co.uk/news.htm?id=10)

## Scheme benefits:

- 1,000 new jobs
- 14,000 sq m of commercial floorspace
- 300 new houses





# Newbury: Sandlefond Park

This scheme will provide additional access to Sandlefond Park, a development site that will deliver up to 1,500 dwellings, via two main elements i) a new access from the A339, and ii) new junction arrangements on the A343 and the upgrading of a route to provide suitable access. The scheme will also unlock land for a new primary school.

**Delivery Partner:** West Berkshire Council

**Main contractor:** Not yet procured

**LEP investment of LGF by year:** 2018/19: £2,400,000; 2019/20: £500,000

**Total cost of scheme:** £10,960,000

## Status:

- Delay due to a significant construction cost increase, resulting in the need to re-tender part of the contract for the construction of the primary school
- 'Knock-on' effect - the release of the land required to build the road is contingent upon securing the school construction contract
- The timetable is being reviewed and a reprofiling of the LGF funding is proposed

## Scheme benefits:

- 420 new jobs
- 35,500 sq m of commercial floorspace
- Up to 2,000 new houses



# Newbury: Railway Station

The Newbury Railway Station scheme plans to enhance and upgrade the station buildings to cope with the anticipated increases in passengers and demand for travel and car parking from the Market Street and Sandleford Park developments. The scheme will deliver start-up incubator business units within rail land to the south of Newbury Railway Station, two new retail outlets on the station, new and enhanced cycle facilities, ticket hall and waiting areas, along with a new multi-storey car park, station forecourt, and pedestrian/cycle link to the town centre.

**Delivery Partner:** West Berkshire Council and Great Western Railway (GWR) **Main contractor:** Not yet procured

**LEP investment of LGF by year:** 2018/19: £3,630,000; 2019/20: £921,000; 2020/21: £1,500,000

**Total cost of scheme:** £15,177,000

## Status:

- Work on the Full Business Case is continuing
- West Berkshire Council has commissioned a feasibility study for the public footbridge element of the project

## Scheme benefits:

- 5 new businesses
- 2,655 sq m commercial floorspace
- 535 new houses



# Reading: Green Park Railway Station

Reading Green Park Railway Station is a new railway station on the Reading to Basingstoke line south of Reading. This scheme, which includes the station, multi-modal interchange and access road, will significantly improve the accessibility and connectivity of the existing Green Park Business Park and surrounding area, and support delivery of the Green Park Village development.

**Delivery Partner:** Reading Borough Council

**Main contractor:** Balfour Beatty

**LEP investment of LGF by year:** 2017/18: £4,575,000; 2018/19: £4,575,000

**Total cost of scheme:** £17,050,000

## Status:

- Design work for the station is being progressed in partnership with Network Rail and GWR
- Balfour Beatty has been appointed for the detailed design and construction contract
- The process of discharging planning conditions for the station and interchange is on-going with both Reading and West Berks planning authorities. A new planning application is to be submitted to Wokingham due to a small section of the platforms now extending into its area of authority
- £2.3m has been awarded for the station from DfT's New Stations Fund 2 and a revised programme has been agreed given the enhanced scope

## Scheme benefits:

- 3,580 jobs
- 68,000 sq m of commercial floorspace
- 735 new houses





# Reading: South Reading Mass Rapid Transit

South Reading Mass Rapid Transit (MRT) Phases 1 and 2 will provide a series of bus priority measures on the A33 between M4 junction 11 and the A33 junction with Longwater Avenue (Green Park) (Phase 1) and Island Road (Phase 2). Phases 3 and 4 will provide a series of bus priority measures on the A33 between Rose Kiln Lane and Bennett Road, and connecting routes in Reading town centre. The scheme will reduce congestion and journey times, improving public transport reliability on the main corridor into Reading. Phases 5 and 6, when funded, will complete the connection to Reading Railway Station.

**Delivery Partner:** Reading Borough Council

**Main contractor:** Wills Brothers

**LEP investment of LGF by year:** Phases 1 & 2, 2016/17: £2,970,000, 2017/18: £1,530,000; Phases 3 & 4, 2017/18: £2,250,000, 2018/19: £5,300,000, 2019/20: £2,598,000

**Total cost of Phases 1 & 2:** £5,620,000

**Total cost of Phases 3 & 4:** £12,684,000

## Status:

Phases 1 & 2

- Completed

Phases 3 & 4

- The full business case was approved in November 2017
- Outline scheme design is complete and detailed designs are being prepared. A programme for procurement will commence in early 2018

## Scheme benefits:

Phases 1 & 2:

- 4,284 new jobs
- 44,016 sq m commercial floorspace
- 527 new houses

Phases 3 & 4:

- To be confirmed



# Reading: East Reading Mass Rapid Transit

East Reading Mass Rapid Transit (MRT) Phases 1 & 2 is a public transport link between central Reading and the proposed Thames Valley Park P&R site to the east of the Reading urban area, running parallel to the Great Western Mainline.

**Delivery Partners:** Reading Borough Council & Wokingham Borough Council      **Main contractor:** Not yet procured

**LEP investment of LGF by year:** 2018/19: £3,000,000; 2019/20: £3,000,000; 2020/21: £13,067,000

**Total cost of scheme:** £23,867,000

## Status:

- The planning application for the scheme was submitted in July 2017, following pre-application discussions with Reading BC, Wokingham BC and statutory consultees including the Environment Agency. It is anticipated that a decision on planning consent will be made in 2018
- The full business case was approved in November 2017

## Scheme benefits:

- 30,851 new jobs
- 50 new businesses
- 35,460 sq m commercial floorspace
- 2,700 new houses



# Wokingham: Thames Valley Park & Ride

Thames Valley Park and Ride (P&R), situated off the A3290 in the east of the Reading urban area, will improve access to Reading town centre and major employment sites by providing congestion relief on the road network in east Reading.

**Delivery Partner:** Wokingham Borough Council

**Main contractor:** Not yet procured

**LEP investment of LGF by year:** 2018/19: £2,000,000, 2019/20: £900,000

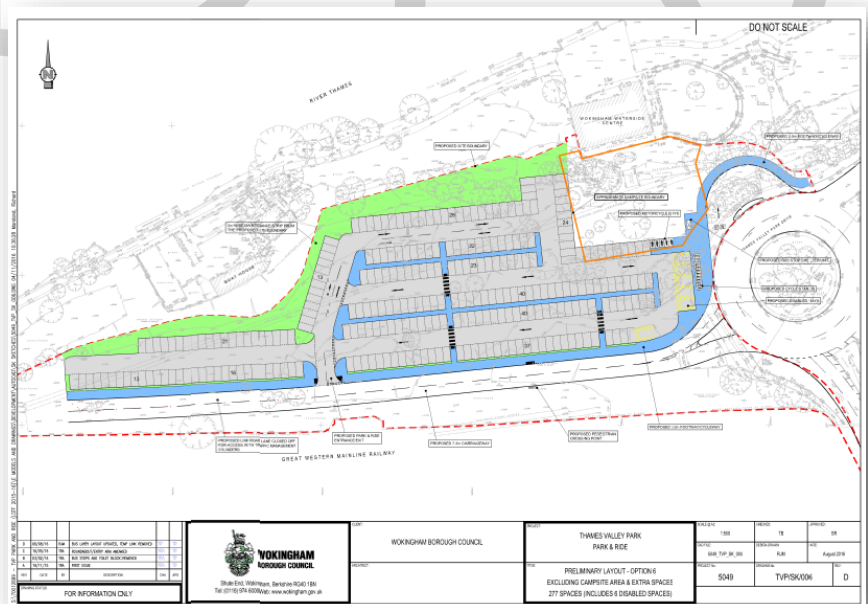
**Total cost of scheme:** £3,600,000

## Status:

- The business case has been independently assessed and financial approval given on 20 July 2017
- A project manager has been appointed to take responsibility for the scheme delivery and commenced duties on 18 September 2017

## Scheme benefits:

- To support the forecast housing growth of 13,000 units by 2026 in Wokingham Borough
- To reduce congestion on the A4 corridor





# Wokingham: Winnersh Relief Road

The Winnersh Relief Road scheme will provide a new relief road to the west of Winnersh (avoiding the current Winnersh crossroads junction) and be delivered in two phases: the first phase by Bovis/Persimmon and the second by Wokingham Borough Council, providing a new junction on the A329 Reading Road and dualling a section of Lower Earley Way (B3270).

**Delivery Partner:** Wokingham Borough Council

**Main contractor:** Not yet procured

**LEP investment of LGF by year:** 2018/19: £2,848,000; 2019/20: £2,022,000; 2020/21: £1,390,000

**Total cost of scheme:** £13,198,000

## Status:

- Preliminary designs have been completed to assess the feasibility of the scheme
- Work to complete the planning application is ongoing and is due to be submitted in January 2018

## Scheme benefits:

- 5,327 new jobs
- 433 new houses



# Wokingham: Distributor Roads

The Arborfield Distributor Road will provide relief to the existing A327 through the village of Arborfield and Arborfield Cross Gyratory to accommodate and reduce the traffic impacts of development at Arborfield Garrison and South of the M4 (Shinfield and Spencer's Wood). There are four Distributor Roads in the overall programme:

- Shinfield Eastern Relief Road (separately funded and nearing practical completion)
- North Wokingham Distributor Road (separately funded)
- South Wokingham Distributor Road (separately funded)
- Arborfield Cross Relief Road.

**Delivery Partner:** Wokingham Borough Council

**Main contractor:** Not yet procured

**LEP investment of LGF by year:** 2018/19: £580,000; 2019/20: £14,000,000; 2020/21: £9,420,000

**Total cost of scheme:** £100,000,000

## Status:

- Planning application for the scheme has been submitted to Wokingham Borough Council
- WSP have been commissioned to prepare a revised Appraisal Summary Report (ASR), which will propose an approach to producing the business case for agreement with DfT

## Scheme benefits:

- 25,000 sq m of commercial floorspace
- 10,000 new houses



# Berkshire: National Cycle Network Route 422

The National Cycle Network (NCN) Route 422 will join a number of economic centres across Berkshire as part of a new National Cycle Route. The Route will start in Newbury and follow the A4 to Thatcham, Theale, central Reading, Wokingham and then to Bracknell, with the end of the NCN in Ascot.

**Delivery Partner:** Wokingham Borough Council with Reading Borough, West Berkshire & Bracknell Forest Councils

**Main contractor:** Balfour Beatty

**LEP investment of LGF by year:** 2016/17: £2,100,000; 2017/18: £1,500,000; 2018/19: £600,000

**Total cost of scheme:** £6,950,000

## Status:

- In Reading:
  - Phase 1 along Bath Road continues to progress well. Footway improvements near New Lane Hill commenced mid-September, followed by traffic signal updates at Liebenrood Road and Southcote Road in late October (2017)
  - Phase 2 design work linking Bath Road to London Road via the town centre is now complete and delivery is expected to commence from November 2017
  - Phase 3 route, between Watlington Street/London Road and Three Tuns, is currently being developed.
- In West Berks, Phase 1 on the Newbury to Thatcham leg has been given the go-ahead.

## Scheme benefits:

- 5.1 km of new cycleway
- 1.1 km resurfaced road





# Bracknell: Warfield Link Road

The Warfield Link Road sits within a development site for 2,200 new dwellings, schools, a neighbourhood centre, open space, SANGs and other infrastructure and facilities, and will serve as access for many of the development parcels.

**Delivery Partner:** Bracknell Forest Council

**Main contractor:** Housebuilder's contractor

**LEP investment of LGF by year:** 2015/16: £3,500,000

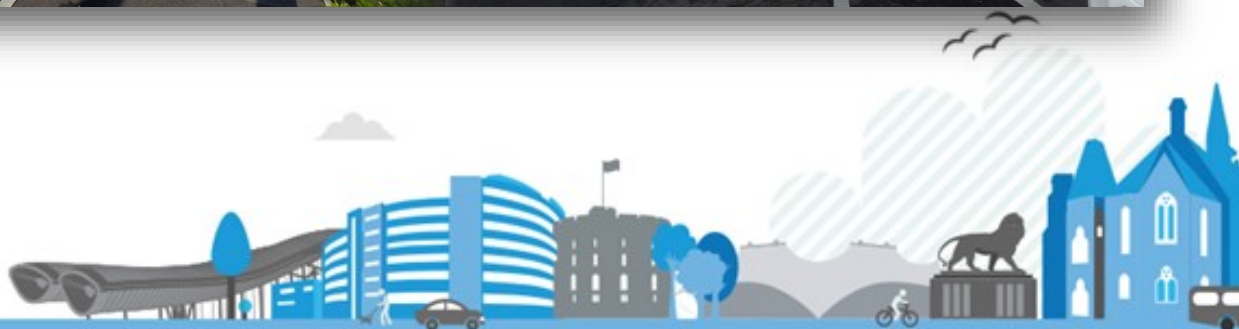
**Total cost of scheme:** £5,200,000

## Status:

- Currently two thirds of the road are open and being used to serve the new primary school, which was opened in Sept 2017 as part of the development
- Early delivery of the Link Road has unlocked the opportunity for further development parcels totalling over 500 units on either side of the road, with over 149 currently under construction
- The north section of the road will remain closed to general traffic until part of the new development is complete in early/mid 2018; it will serve as a route for construction vehicles in the interim
- Construction of circa 200 dwellings is expected to commence within 2018, served via the southern section of the Link Road
- So far the scheme has unlocked planning approval for nearly 1,000 homes and a new primary school

## Scheme benefits:

- Access to employment land
- 2,200 new houses



# Bracknell: Town Centre

This project includes several necessary junction modifications and other works associated with the major redevelopment of Bracknell Town Centre, including 3kms of resurfaced road and 700m of new cycleway.

Delivery Partner: Bracknell Forest Council

Main contractor: Ringways

LEP investment of LGF by year: 2015/16: £2,000,000

Total cost of scheme: £6,382,000

## Status:

- LGF-funded works complete and "The Lexicon" opened on 7 September 2017
- 642 housing starts recorded, of which 181 are now complete

## Scheme benefits:

- 3,540 new jobs
- 270,000 sq m of commercial floorspace
- 1000 new houses



# Bracknell: A3095

This scheme will deliver significant improvements to one of the key highway corridors in Thames Valley Berkshire between the M4 (J8/9/10) and the M3 (J4), and between Maidenhead, Reading, Wokingham, Bracknell, and Camberley/Blackwater Valley and beyond. This work will also assist in unlocking housing delivery to provide 1415 new houses and enhance urban connectivity.

**Delivery Partner:** Bracknell Forest Council

**Main contractor:** Not yet procured

**LEP investment of LGF by year:** 2019/20: £2,000,000; 2020/21: £3,518,800

**Total cost of scheme:** £8,018,800

## Status:

- Concept scheme developed and economic assessment carried out in early 2016
- Combined BCR for all improvements along the corridor is High
- Financial Business Case currently being developed for full financial approval

## Scheme benefits:

- 1,000 new houses





# Bracknell: Coral Reef Junction

The Coral Reef Junction scheme has converted the former roundabout to a fully signalised crossroads that reduces delay and improves journey times along the route. These measures have reduced carbon emissions and improved access to existing employment areas and new developments, unlocking their economic potential.

**Delivery Partner:** Bracknell Forest Council

**Main contractor:** Ringways

**LEP investment of LGF by year:** 2015/16: £2,100,000

**Total cost of scheme:** £3,010,000

## Status:

- The scheme is complete and working well
- 12 month assessment of scheme has been carried out in accordance with DfT guidance and has been well received by the [Berkshire Local Transport Body](#)

## Scheme benefits:

- Pinch point congestion relief



# Bracknell: Martins Heron

The Martins Heron scheme is part of a wider programme to improve access between the M3 and M4 via the A322, A329 and A329(M). This route, from the Martins Heron roundabout, runs through the middle of Bracknell and includes associated junction improvements and minor alterations to the London Road corridor, to reduce congestion and journey times.

**Delivery Partner:** Bracknell Forest Council

**Main contractor:** Ringways

**LEP investment of LGF by year:** 2016/17: £200,000; 2017/18: £2,700,000

**Total cost of scheme:** £3,800,000

## Status:

- Scheme has started on site and Phase 1 (of 4) has been completed. Phase 2 is to commence in January 2018 to align with utility diversions required as part of the scheme

## Scheme benefits:

- Pinch point congestion relief





# Maidenhead: Town Centre

This scheme will improve connectivity between the planned major development areas in and around Maidenhead and the town centre, surrounding residential areas and local facilities. A new 'inner-ring' is proposed for pedestrians and cyclists, which will be tied into new/enhanced crossings over the A4, including a pedestrian/cycle bridge.

**Delivery Partner:** Royal Borough of Windsor and Maidenhead

**Main contractor:** Not yet procured

**LEP investment of LGF by year:**

2018/19: £722,000      2019/20: £326,000      2020/21: £2,000,000

**Total cost of scheme:** £4,753,000

**Status:**

- A design has been prepared, and approval is being sought from the Environment Agency, for Oldfield Bridge, including landscaping of the approaches
- Slow worms found within the construction site are being rehomed. Construction is planned by the end of financial year 2017/18
- Initial plans have been prepared by Countryside PLC (the council's joint venture partner) for the redevelopment of major development sites at York Road, West Street, Saint-Cloud Way and Reform Road
- The proposals include the construction of a new bridge link over the A4 to connect West Street and Kidwells Park
- An internal working group is being established to review the initial plans and guide the ongoing development of the designs
- It is now expected that the business case will be submitted to the Local Transport Body for approval at its March 2018 meeting

**Scheme benefits:**

- 8,000 new jobs
- 65,404 sq m of commercial floorspace
- 2,884 new houses





# Maidenhead: Railway Station

The Maidenhead Railway Station scheme will improve connections for journeys made on foot, bicycle, train, taxi and car by increasing parking for rail commuters, shoppers, visitors and employees; improving the station forecourt and surrounding area creating a gateway to the town centre; and converting Broadway to a two-way operation.

**Delivery Partner:** Royal Borough of Windsor and Maidenhead

**Main contractor:** Not yet procured

**LEP investment of LGF by year:** 2018/19: £1,275,000; 2019/20: £2,475,000

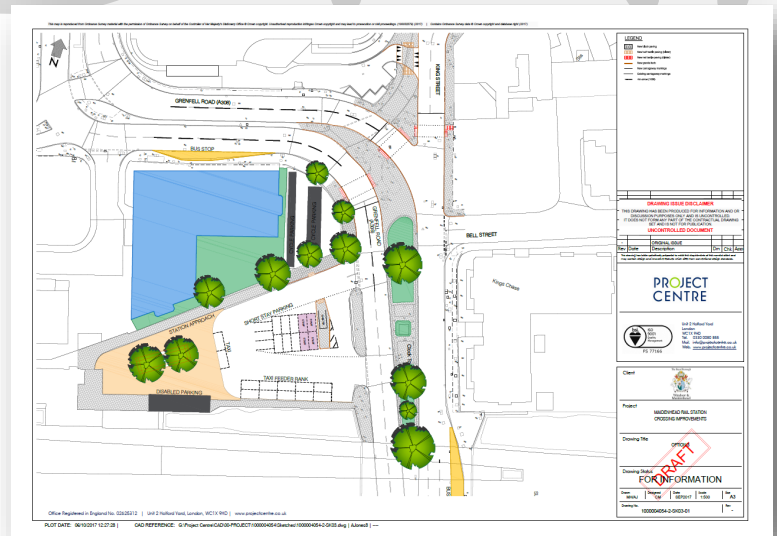
**Total cost of scheme:** £4,500,000

## Status:

- The business case, which delivers an NPV of 2.35 with overall value for money rated as 'Very High', was signed off by the Berkshire Local Transport Body on 16 November 2017
- Modelling work shows that the surface crossing options can be progressed with only minor impacts on traffic
- Additional modelling work has shown that there are significant traffic benefits associated with making Broadway two-way between the Nicholson's car park and A308 Frascati Way
- A meeting was held with rail industry partners to resolve any outstanding issues and agree the forecourt scheme details. Minor amendments have been incorporated into the scheme design as a result. Network Rail and GWR have both expressed support for the scheme, in principle, subject to Asset Protection Approvals and detailed design

## Scheme benefits:

- 2,080 new jobs
- 29,000 sq m commercial floorspace
- 50 new houses



# Slough: Burnham Railway Station

The Burnham Railway Station scheme will enhance access to the station from the west including Slough Trading Estate and neighbouring areas of South Buckinghamshire, in preparation for Crossrail services beginning in 2019. The scheme includes new station buildings and lifts, enhancements to the station entrances and parking. Highway improvements and traffic management measures will be carried out to achieve better access for pedestrians, cyclists, buses and general traffic.

**Delivery Partner:** Slough Borough Council

**Main contractor:** Amey

**LEP investment of LGF by year:** 2016/17: £2,000,000

**Total cost of scheme:** £6,250,000

## Status:

- Work on the Five Points section almost complete. Burnham roundabout complete. Station approach works to follow. Network Rail's 'Access for All' works need to take place first

## Scheme benefits:

- 1,050 new jobs
- 40,000 sq m commercial floorspace



# Slough & South Bucks: A4 Cycleway

The A4 Cycleway will provide a safe and convenient cycle route between Slough and South Buckinghamshire. It will follow the A4 corridor and link with a scheme being promoted by Buckinghamshire Thames Valley LEP, which is progressing along similar timescales. The scheme will connect the two urban areas of Slough and Maidenhead and provide access to: the Bishops Centre Retail Park; Slough Trading Estate; Burnham and Taplow railway stations; and adjacent residential areas. It will cater for commuting and other utility cycling trips, as well as leisure trips, connecting to National Cycle Network Route 61 via the Jubilee River, and to Cliveden and Burnham Beeches.

**Delivery Partner:** : Slough Borough Council

**Main contractors:** Amey

**LEP investment of LGF by year:** 2016/17: £483,000

**Total cost of scheme:** £2,658,600

**Status:**

- Junction work now rescheduled for early 2018

**Scheme benefits:**

- 2.4km of new cycleway





# Slough: Mass Rapid Transit - Phase 1

The A4 forms the spine of a 12km strategic public transport corridor linking Maidenhead, Slough and Heathrow. The western section of the Slough Mass Rapid Transit (SMaRT) project will allow buses to operate along the service roads fronting Slough Trading Estate. Bus lanes and other priority measures will be provided in the central section between the Estate, Slough town centre and eastwards to junction 5 of the M4. Phase 2 will extend the route eastwards onto the airport; Phase 3 will extend the route westwards to an as yet identified Park and Ride site.

**Delivery Partner:** Slough Borough Council

**Main contractor:** Balfour Beatty

**LEP investment of LGF by year:** Phase 1: 2015/16: £3,100,000; 2016/17: £2,500,000

**Total cost of scheme:** £9,100,000

## Status:

- Phase 1: Eastern section complete. Western section - signals work under progress at the Tuns junction. Approaching completion

## Scheme benefits:

- 2,460 new jobs
- 108,700 sq m of commercial floorspace
- 3,120 new houses



# Slough: A332 Improvements

This scheme will include a programme of junction improvements, road widening and other works along the A332 on the approach to Slough town centre with the aim of improving conditions for general traffic as well as buses, making journeys quicker and more reliable.

**Delivery Partner:** Slough Borough Council

**Main contractor:** Balfour Beatty

**LEP investment of LGF by year:** 2015/16: £1,266,667; 2016/17: £1,433,333

**Total cost of scheme:** £5,000,000

**Status:**

- Work approaching completion (December 2017)

**Scheme benefits:**

- 2,150 new jobs
- 79,150 of commercial floorspace
- 2,995 new houses



# Slough: A355 Route Enhancement

This scheme, part of the 'Heart of Slough' project, will improve traffic flow and reduce congestion on the north-south A355 route linking the M4, Slough Trading Estate and the M40, and enhance access to Slough town centre. The scheme involves the remodelling of the Copthorne roundabout, signal and junction upgrades and selected road widening.

**Delivery Partner:** Slough Borough Council

**Main contractor:** Balfour Beatty

**LEP investment of LGF by year:** 2015/16: £2,275,000; 2016/17: £2,125,000

**Total cost of scheme:** £5,800,000

## Status:

- Scheme complete

## Scheme benefits:

- 1,260 new jobs
- 48,000 of commercial floorspace
- 600 new houses





# Slough: Langley Railway Station

This scheme will improve facilities at Langley and enhance access to the railway station from the surrounding area in preparation for Crossrail services beginning in 2019. Improvements include new station buildings, lifts and enhancements to the station entrances and parking. Improvements will also be made to pedestrian, cycling and bus facilities. Better information and signage will be provided along with measures to enhance the safety and security of the station.

**Delivery Partner:** : Slough Borough Council

**Main contractor:** Slough DSO

**LEP investment of LGF by year:** 2017/18: £1,500,00

**Total cost of scheme:** £5,260,000

## **Status:**

The scheme has full business approval and is due on site in February 2018. Works are being co-ordinated with the rail industry in preparation for the start of Crossrail Services in 2019

## **Scheme benefits:**

- Improved station access and facilities
- 700 new houses



# Superfast Berkshire

Superfast Berkshire is a collaboration between the six Berkshire unitary authorities and Thames Valley Berkshire LEP to bring high speed broadband solutions to residents and businesses, which are considered commercially unviable by telecomms companies. The scheme is part of the government's national scheme (managed by Broadband Delivery UK, part of DCMS) to expand high speed broadband across the country.

**Delivery Partner:** West Berkshire Council

**Contractors:** Phase 1: BT; Phase 2: Gigaclear & Callflow; Phase 3: Gigaclear & BT

**LEP investment of LGF by year:** 2016-17: Phase 2 – Lot 7 £43,500; 2017-18: Phase 2 – Lot 5 £392,000; 2018-19: Phase 3 - Wokingham £64,500

**Total cost of scheme:** £26,710,932

## Status:

- Take-up of the enhanced service offered through the new digital infrastructure across Thames Valley Berkshire now stands at just over 50% and is still growing. This remains one of the highest in the UK
- A Phase 3 contract has now been awarded to Gigaclear to expand coverage in the Wokingham district.

## Scheme benefits:

- Number of additional businesses with broadband access of at least 30Mbps - 2,000
- Superfast Broadband Coverage (Speed Greater than 24Mbit/s) for Berkshire:
  - After Phase 2 - 95.60%
  - After Phase 3 - 99.64%

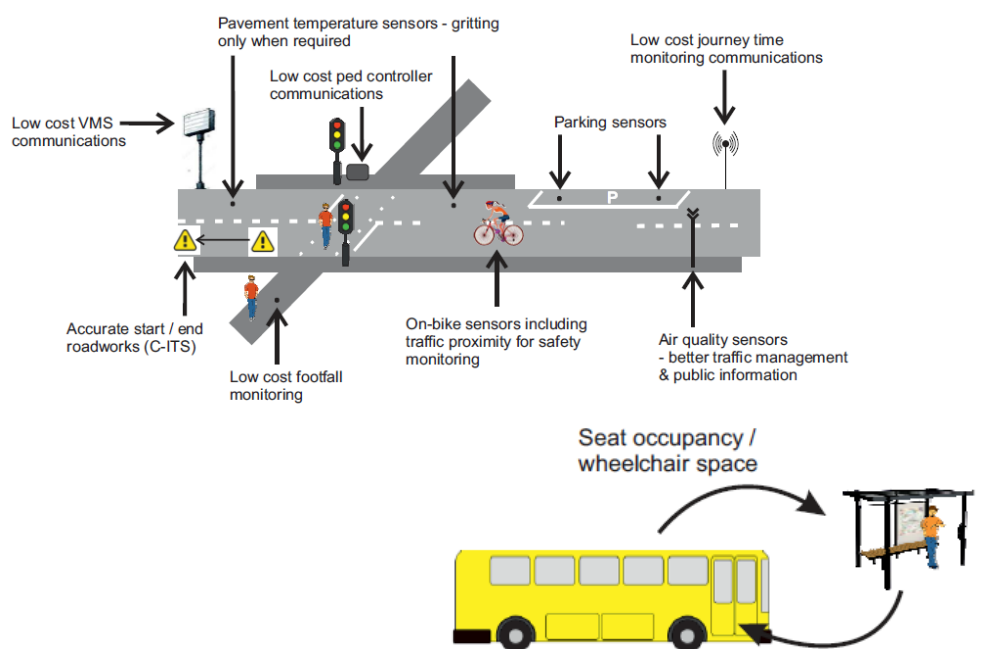


# Smart City Cluster

The project will deliver a smart city platform across Reading, Bracknell, Wokingham and West Berkshire benefiting residents and employees, and encouraging economic development. A communications platform will provide a low powered wide area network (LPWAN), the platform for the Internet of Things, and open up huge opportunities for the low cost deployment of smart devices for business, developers and local authorities to use.

In addition to the LPWAN network, there will also be a data platform built around the existing open data service. The key will be using BSI Hypercat standards approach to ensure an open system that allows data to be shared between systems with sufficient security. This will enable the smart city cluster to grow organically with new systems added, but without 'lock-in' to an overall smart city platform supplier. A series of smart tech solutions will be built on this platform, including air quality monitoring using a wide dispersal of low cost monitors. The project will be delivered in 3 main stages, the 1st stage being the main capital investment for the smart city platform and air quality monitors, and the 2nd and 3rd stages being a two-phase capital investment in the IoT smart city sensors and supporting data systems.

To ensure innovation whilst also meeting procurement requirements, the funding will be offered in competitive calls requiring a level of match, mirroring the approach used by Innovate UK. This will deliver a range of projects within the Reading, Bracknell, Wokingham and West Berkshire areas around transport, energy, environment and assisted living, with a package focused on small scale funding for start-ups. It is hoped that the allocation of LGF core capital funding will be a catalyst for both the public sector and large companies looking to engage in smart city opportunities.



**FIGURE 1**  
EXAMPLES OF APPLICATIONS  
ENABLED BY A LOW POWERED  
WIDE AREA NETWORK (Lpwan)

*(These are not specific proposals to be  
procured under this project)*

**SMART CITY PL**  
Lpwan  
comms



Delivery Partner: Reading Borough Council with project management from Peter Brett Associates

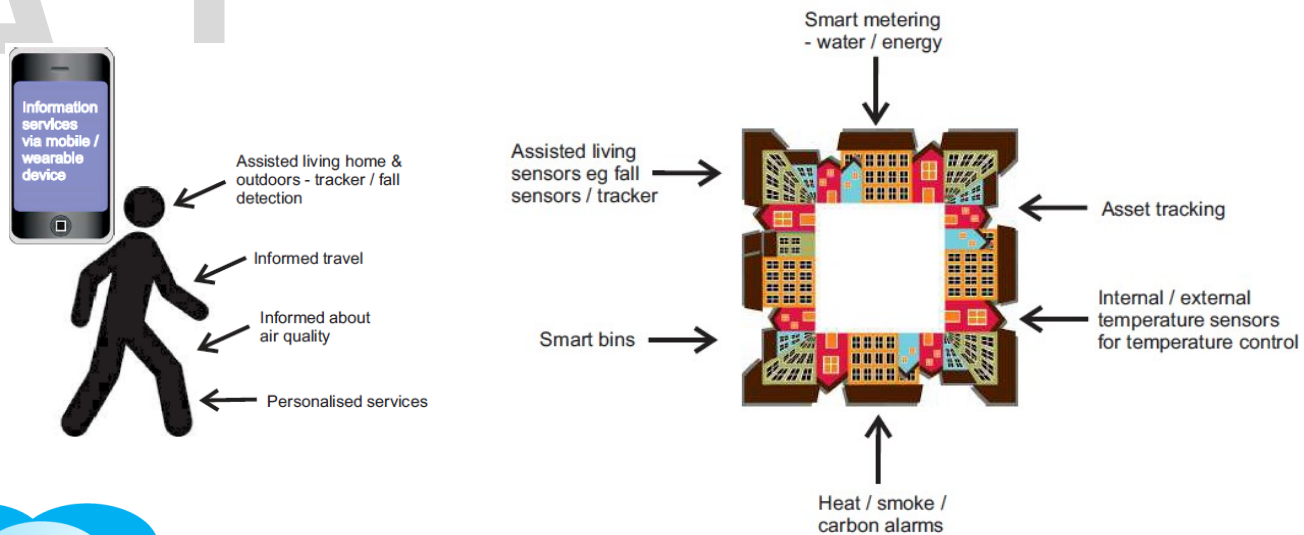
LEP investment of LGF by year: 2017/18: £98,400; 2018/19: £1,100,000; 2019/20: £535,254

Total cost of scheme: £9,952,654

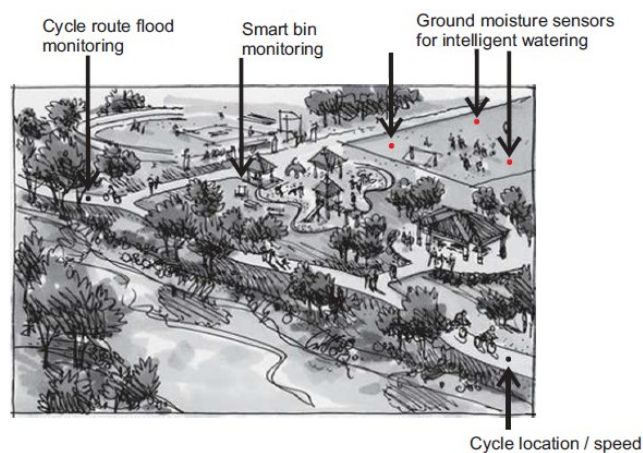
Status: Due on site January 2018

#### Scheme benefits:

- Economic: Attracting funding for research, business investment and start-ups in delivering smart products
- Social: The project has the potential to deliver an assisted living element, which will directly improve the lives of those with mobility challenges
- Environmental: The project has the potential to deliver significant environmental benefits in that improved infrastructure network management services will smooth vehicle flow, improve fuel economy and reduce emissions and air quality risk



PLATFORM  
Data  
Platform



# Solutions Labs: A collaborative STEM project for

The purpose of this project is to raise the quality and profile of STEM provision across Berkshire and ensure that STEM education responds to the needs of the innovative, forward thinking companies (large and small) located here. It will drive the development of a young workforce, which can seize the tech-based job opportunities that are emerging and support the growth ambitions of the area. To deliver this, we will work with STEM businesses to shape curricula so that they are aligned with their changing needs (particularly at technician levels).

The Solutions Labs will create resources that are currently unavailable within colleges; developing excellence in business research and development; innovation; testing and development of entrepreneurial skills; all to create individuals who will bring the products, skills and innovation required to stimulate the local economy.

To this end, our intention is to refurbish existing buildings within FE Colleges to create Solutions Labs. These Labs will provide the wherewithal for early stage prototyping. They will be used both as a state-of-the-art setting for teaching students (including Higher Level Apprentices) and as a resource available (on a commercial basis) to micro and small businesses in TVB. Practice elsewhere suggests that small companies struggle to afford proto-typing equipment of this type (3-D modelling, printing, simulation, etc.) individually, but at certain points in time, the use of it is critical in relation to their own future growth.



# from Berkshire's Further Education Colleges

The Solutions Labs will differ from each other in terms of their technological focus: at Reading College, there will be an emphasis on engineering and science; at Newbury College, the Solutions Lab will be oriented exclusively to fusion, mechanical and electrical engineering. Reading IT Solutions Lab will focus on networking, data security and software engineering; and Berkshire College of Agriculture (BCA) will provide a modern setting for training in renewable energy engineering and associated skills.

In all cases, a strong and on-going dialogue with relevant businesses will guide the choice of equipment included in the Lab so that the facility's relevance and currency is retained (and, overtime, recreated). Expertise will be drawn from Innovation Hubs, which have been developed through the Gazelle Colleges Network.

**Delivery Partners:** Reading College (Activate Learning), Newbury College and BCA

**Contractors:** Reading College: Total Projects Ltd & Holy Brook Estates; Newbury College: Steele David Ltd; BCA: LSM Building Contractors Ltd

**LEP investment of LGF by year:** 2015/16: £383,333; 2017/18: £380,333

**Status:** Reading Solution Lab, Reading IT Solution Lab and Newbury Solutions Lab are complete

**Scheme benefits:**

- Total area of improved learning / training floorspace of 1,193m<sup>2</sup>





# River Thames Scheme

The overall Scheme provides a long term and comprehensive solution to reducing flood risk between Datchet and Teddington. As the largest area of developed floodplain in England without flood defences, this area has suffered from significant, regular flooding. For Flood Channel Section 1 (Datchet to Hythe End), a range of survey works have been conducted, which include site investigation works, topographical and bathymetry surveys, groundwater and gas monitoring, and ecological surveys.

**Delivery Partner:** Environment Agency

**Main contractors:** Fugro, Opus and White Young Green (WYG)

**LEP investment of LGF by year:** 2015/16: £500,000

**Total cost of scheme:** £581,537.16

**Status:**

- The scheme is complete and working well

**Scheme benefits:**

- The survey information will help to inform the preferred option and ultimately the Outline Business Case, due to be submitted in Spring 2019
- The overall scheme will reduce flood risk to 10,000m<sup>2</sup> of commercial floor space and open up 145 hectares of potentially developable land, boosting local productivity



# AFT



# DRA



100 Longwater Avenue

Green Park

Reading

RG2 6GP

