



**Leeds**  
CITY COUNCIL

# Aire Valley Leeds Area Action Plan

Infrastructure Delivery Plan  
Background Paper

**Publication Draft**

Leeds Local Development Framework  
Development Plan Document

September 2015



## **Background Paper**

### **Infrastructure Delivery Plan (IDP) as it relates to AVLAAP**

Delivery of the AAP aims and policies requires organisation of various implementation and delivery mechanisms. Core strategy policy ID1 provides the overview of implementation and delivery mechanisms, within which the AVLAAP resides. The council will continue to seek funding from a wide range of sources to help deliver the necessary infrastructure to deliver the AAP's vision. For instance funding may be provided by the government in the form of supported borrowing and grants (normally for specific purposes, and particularly from the Department for Transport and the Department for Education). General funding sources investigated for LCC services also include the capital programme including council tax, CIL, generation of capital receipts, and the new homes bonus.

### **Indicative timescales and phasing**

The Leeds Infrastructure Delivery Plan (IDP) (April 2013) was produced to support the core strategy and the LDF. It provides an overarching framework for the council's and other service providers' plans and programmes, to coordinate investment to accommodate the planned quantity and locations of future growth. The IDP evaluated the district's existing infrastructure provision and identified the critical infrastructure necessary to deliver the core strategy vision, resulting funding gaps and priorities. It will be updated as necessary and was an iterative process that included the emerging Aire Valley Leeds proposals. A selective update of the IDP schedule is provided to include the position, timescales and phasing of the key infrastructure projects in relation to Aire Valley Leeds.

## AVL Infrastructure Projects

The information in the schedule is organised into three levels of priority with green (1) / amber (2) / red (3) colour coding. This coding is used to identify both the priority of a specific project, and the likelihood of its funding as set out below:

PRIORITY:	FUNDING SOURCES:
1 Key Priority / Necessary to Support Growth	1 Definite / Very Likely
2 Desirable	2 Uncertain / Part Funded
3 Subject to Funding	3 Options being explored

TOPIC	SCHEME	TOTAL COST	PRIORITY	FUNDING SOURCES AND PARTNERS	DELIVERY NOTES	DATES
Waste Management	Residual Waste Solution, Newmarket Approach	£460M	1	1 Veolia, LCC	Veolia Environmental Services appointed through PFI 2012 for 25 year £460m contract. Planning application approved Feb 2013 subject to S106 agreement and Secretary of State approval. Construction commenced 2013. Completion 2016.	2016
Public Transport	Leeds NGT trolleybus network; Stourton - Holt Park, Stourton Park and Ride, Bodington Park and Ride	£250M	1	1 £173.5m DfT, £77.1m LCC and Metro	Due to start construction 2017, start of operation 2020. Transport & Works Act Order Inquiry 2014.	2020

Flood Defence	River Aire Flood Alleviation Scheme (FAS) – Phase 1	£45M	1	1 LCC capital programme £10m, ERDF £10m, RGF £4m, FDGiA £8.8m, BID £1m, developer contributions	Under construction. Completion late 2016.	2016
Public Transport (Rail)	Leeds City Station Southern Access	£14M	1	1 DfT/ Local contribution, Metro, Network Rail	Under construction. Completion late 2015.	2015
Information technology	Leeds and Bradford Super Connected Cities programme	£8.7M	1	1 DCMS, LCC, private sector	The funding area covers the whole of Bradford, Calderdale, Kirklees, Leeds, and Wakefield. The project aims to focus on urban areas and deliver a step change in the availability of digital connectivity. There is DCMS funding of £14.4m (shared with Bradford) and LCC funding of £1.5m. This also assumes a gap funding model of additional private sector investment. Project must be complete by March 2016.	March 2016
Highways (strategic)	M1 Junction 45 Phase 2 improvement	£8M	1	1 None	Widening of northbound and southbound off slip road and ELLR entries to roundabout, roundabout widening from 2 to 3 lanes, enhancement of traffic signal control (including entry to Skelton Business Park). Extension of northbound slip road from Type A to Type C merge. Announced in 2014 that Highways England will deliver the improvements. Works underway to complete in 2016.	2016
Information technology	The West Yorkshire BDUK Local Broadband Plan		1	1 ERDF, DCMS, LCC, private sector	Aims to ensure that 90% of premises across West Yorkshire have access to superfast broadband (24mbps+), with the remaining areas able to get a minimum of 2mbps. Include Leeds City Region Enterprise Zone. For Leeds there is ERDF funding of £780k, Department for Culture Media and Sport funding of £1.5m, and a LCC commitment of £72k, with private sector investment expected to match the public sector investment as appropriate. Current phase 1 due to complete in Sept. 2015. Phase 2 to run Oct. '15 to 2018.	October 2018

<b>Cycle</b>	Leeds Core Cycle Network Route 16 - Wyke Beck Valley (phase 2)	£0.6M	1	1 Sustrans, British Coal Residuary Authority	Connections to East Leeds Link, Aire Valley and Trans Pennine Trail. LTP3 scheme 2015.	2016
<b>Education</b>	2FE primary to the SW corner of the Copperfields site and 2FE primary / 4FE secondary through school at Skelton Grange	£19.6M	1	1 Developer contributions / CIL / LCC sites, LCC budget	Education Funding Agency build rates: <ul style="list-style-type: none"> <li>£12,320 per primary pupil, so £2.6m for 1FE and £5.2m for 2FE primary</li> <li>£15,400 per secondary pupil, so £9.2m for a 4FE (only implemented with a 2FE primary as a through school).</li> </ul>	
<b>Public Transport</b>	Leeds NGT trolleybus network Line 3 - extension to Aire Valley Leeds	£98M	1	2 WYTF, CIL, developer contributions	NGT extension from city centre to Aire Valley. Funding prioritised in 'West Yorkshire Plus' Transport Fund (which includes DfT devolved major scheme funding), which includes the Temple Green Park and Ride.	
<b>Green Infra</b>	Improvements to green space quantity and/or quality as result of new housing development	£11.7M	1	2 Developer contributions and grant funding	The increase in population will lead to a need for new areas of green space as well as improvements to existing parks. AAP housing figures of 7,500 dwellings gross to 2028. Core Strategy G4 requires 80 sq.mtrs/unit where sites located in areas of green space deficiency. For 60% of the housing target, assuming green space is delivered on-site, the other 40% is located in areas of adequate supply. This generates an anticipated on-site requirement for 36 hectares. Cost to lay out estimated at £7M. Improvements to local green space infrastructure estimated as £4.7M green space.	
<b>Green Infra</b>	City Park and smaller pocket parks in city centre	£40M	1	2 in partnership with developers, LCR, LCC,	A broad estimate including restructuring works of some highways is £40m.	
<b>Green Infra</b>	Child's fixed play as a result of new housing development; play areas, MUGA, and skate/BMX	£3.5M	1	2 Provided on larger sites by developers	At 0.62 children per house and 0.1 children per flat = costs £645 per house and £104 per flat (rounded). AAP housing target of 7,500 dwellings gross to 2028. Assume 60% delivered on-site, leaving 40% of new infrastructure on existing green space. One third of housing target assumed to be flats. Costs based on 2014 green space off-site calculation rates.	

<b>Flood Defence</b>	River Aire Flood Alleviation Scheme – Phase 2	£25M	1	2 ERDF, BID, FDGiAF, JESSICA, LCC, development industry contributions	Phase 2 - to provide a 1:75 year Standard of Protection along the River Aire, from Newlay Bridge to the city centre and from Knostrap to Woodlesford.
<b>Flood Defence</b>	River Aire Flood Alleviation Scheme – Phase 3	£25M	1	2 ERDF, FDGiA, BID, JESSICA, LCC, development industry contributions	Phase 3 - to increase the overall level of protection offered by the defences to a 1:200 standard of protection for the whole scheme.
<b>Highways (local)</b>	Aire Valley Leeds - East Leeds Link Road and river crossing	£24.8M	1	2 Enterprise zone borrowing, developer funding, WYTF	New river bridge and link road to connect East Leeds Link Road with Pontefract Road. Includes Skelton Grange link route protection for a new road link and river crossing into Cross Green industrial estate and improvement at the junction between Skelton Grange Road and Pontefract Road. A potential role for the CIL. Funding prioritised in 'West Yorkshire Plus' Transport Fund (which includes DfT devolved major scheme funding)
<b>Highways (local)</b>	Logic Leeds Link Road	£2.5M	1	1 EZ bus rates, prudential borrowing,	In LCC Capital Programme, initially funded by prudential borrowing. £2.5m provided to support a new spine road through Logic Leeds. This will allow public transport to connect directly from the LCREZ to Halton Moor residential community, thereby facilitating sustainable access to the new jobs. The LEP has agreed to repay the borrowing using retained EZ business rates.
<b>Green Infra</b>	Outdoor recreation city wide	5M	1	2 S106/CIL, £1M match funding in grants.	Parks and Countryside are responsible for the majority of parks and green spaces throughout the city which with new housing growth and increased usage means that they will require investment to improve standards. S106/CIL funding is generally used for this purpose, along with additional match funding from external sources (assume £1M).
<b>Public Transport</b>	Temple Green Park and Ride	£5M	1	2 WYTF	Part of package of transport connectivity enhancements. Funding prioritised in 'West Yorkshire Plus' Transport Fund (which includes DfT devolved major scheme funding)

Public Transport (Rail)	High Speed Rail (HS2)	Not yet costed	1	3 DfT	Network proposals with links from London to Birmingham, Manchester and Leeds. Subject of national study. Timetable envisages completion of route to Leeds by 2033.	2033
Public Transport (Rail)	Infrastructure to maximise the regeneration benefits of HS2 and effectively integrate HS2 into the South Bank.	Not yet costed	1	3	Upon completion of HS2 station masterplanning and growth strategy, the council will have a comprehensive plan and list of infrastructure required to maximise growth associated with HS2, as well as a funding ask/ proposal. This exercise will inform the specific projects in the South Bank. Costs are unknown at this stage.	2028
Pedestrian	Improved connectivity through provision of bridge infrastructure	Not yet costed	1	3	Specific ambitions/ requirements to improve connectivity. For example the South Bank area requires the Sovereign Square footbridge, the low fold footbridge. At approximately £1M per pedestrian/cycle bridge.	2028
Highways (Strategic)	M1 J44 Pinch Point Scheme	£2M	2	1 Highways England	Funded Pinch Point scheme.	Pre March 2015.
Highways (strategic)	Arla Foods obligations, Aire Valley Leeds - M1 J44 measures additional to those obligated on Leeds Valley park - widening of Pontefract Road on approach to northern dumbbell roundabout and improvements to southern dumbbell	Not known	2	1 Developer funded	Developer funded, although development trigger has not yet been reached.	

Highways (strategic)	M621 J7 improvements and coordinated traffic signal control - at M621 southbound off-slip and A61(N) entries to roundabout. M1 J44 modifications to northern roundabout and installation of coordinated traffic signals on all entries to both roundabouts.	Not known	2	1 Developer funded	To be implemented when Leeds Valley Park trip generation trigger is reached, expected 2015.	
Highways (strategic)	Skelton Grange Power Station obligations, Aire Valley Leeds - M621 J7 as per Valley Park and M1 J44 measures additional to those obligated on Leeds Valley Park - widening of Pontefract Road on approach to northern dumbbell roundabout.	Not known	2	1 Developer funded	Developer funded, although development has not come forward yet.	
Pedestrian	Public Rights Of Way Network	£1.2M	2	2 £800k from LTP, grants, and on-site provision	The Leeds ROWIP will be reviewed by 2017. If all of the identified projects were to be delivered over the next ten years, the city council would need to seek funding between £2.3m and £3.9m, including through developer contributions, West Yorkshire Transport Plan and third party grants. A cautious estimate has been used of £1.2m (half the lowest estimate) to reflect that schemes are aspirational. The current PROW network is a LTP3 scheme, supported through LTP3 for next 3 years with £75k and likely to extend beyond this through ongoing work. An assumption of £75k LTP funding has therefore been assumed for each 3 year period = £300k. Additional 3rd party grants and provision on site as part of development schemes has assumed an additional £500k. These figures are only available for the Leeds district.	

<b>Pedestrian / Cycle</b>	Trans Pennine Trail (National Cycle Network Route No. 67)	£1.2M	2	3 Developer funded, grants, Sustrans	Renew and upgrade surfacing of the canal and riverside paths which together form the TPT/NCN walking and route (Royal Armouries to Woodlesford Locks- 6Km) Estimated cost £600K. Skelton Grange Road Bridge - New footbridge to replace current unsatisfactory (and non-Equalities Act compliant) stepped access onto and off road bridge. Estimated cost £500K Fishpond Lock – Installation of re-located, ramped, wooden footbridge from Knostrop Flood Lock to create cycle/wheelchair access over canal for Skelton Lake link to Wykebeck Valley Way. Estimated cost £75K.	
<b>Green Infra</b>	Green Infrastructure improvements in Aire Valley Leeds	Not yet costed	2	3	Green infrastructure and green space will be provided and enhanced in Aire Valley Leeds in relation to both specific development sites and structural masterplanning. Information on costs not yet available.	
<b>Energy</b>	Aire Valley and city centre district heat network	£81M	1	1 Private investment, ECO, ERDF, HRA, LCC	A wide area heat network serving Leeds city centre and Aire Valley could be developed under three phases. This would take low carbon heat from the RERF and other sources and distribute to homes and business in the AV and city centre. Currently at detailed feasibility stage.	2016-28

**For more information, please contact:**

LDF Publication Draft Consultation  
Forward Planning & Implementation  
The Leonardo Building  
2 Rossington Street  
Leeds LS2 8HD

**Email: [avlaap@leeds.gov.uk](mailto:avlaap@leeds.gov.uk)**

**Web: [www.leeds.gov.uk/yourcity](http://www.leeds.gov.uk/yourcity)**



**Aire Valley Leeds Area Action Plan**  
**Infrastructure Delivery Plan Background Paper**  
**Publication Draft**

Leeds Local Development Framework  
Development Plan Document

**September 2015**