

TRANSPORT FOR LEIGH

HS2 - A New Opportunity for a Leigh Rail Connection

Press Briefing Background Notes

Leigh Sports Village 27 March 2013

Prepared by: Transport for Leigh CIC

Forward

The High Speed Rail 2 (HS2) route for Phase 2, connecting the North West to London, has now been published. It shows the HS2 line passing very close to the site of what was Pennington Station.

Transport for Leigh, Rt. Hon. Andy Burnham MP and Lord Peter Smith, Leader of Wigan Council all believe this represents a massive opportunity for the reinstatement of a rail station, serving not only the people of Leigh, but the region.

Andy Burnham MP:

"People in the north-west will be paying for HS2 through their taxes, getting all of the disruption but - as it stands - too few of the benefits. It makes no sense at all for high-speed trains to fly through the heart of the north-west without stopping, past the areas where most people live.

This regional interchange on the Liverpool-Manchester axis makes complete transport sense and will open up HS2 to people across our region. We urge people to get behind this campaign."

Ged Tyrrell, from Transport for Leigh:

"With massive increased demand from businesses and commuters it's vital to the town that we improve transport links to stop gridlock in the region. We believe rail is a critical part of the solution."

Andy Burnham again:

"Even during these times of economic hardship demand for rail has shown a year on year increase. Large scale capital projects are one measure to take this country out of recession and grow the economy. Given this strategy, it makes absolute sense to build this station".

Lord Peter Smith, Leader of Wigan Council, also recognises that Leigh is ideally suited for a station. Lord Smith:

"The proposed interchange location in the Leigh conurbation is ideal. It offers easy access from the regions roads and motorways and takes advantage of linking the existing Manchester to Liverpool service to HS2 when it arrives".

Working with partners Transport for Leigh has produced detailed costings, which demonstrate the the project is both achievable and affordable. Ged Tyrrell again:

"The work carried out so far is fantastic. What we need now is a strong public show of support to get our station back. This is critical to provide the capacity for economic growth and mobility this area desperately needs, allowing the abundance of creativity and enterprise rooted in this area to flourish and compete nationally and internationally.

This is a once in a generation opportunity that we can't afford to miss."

Transport for Leigh encourage people to visit their website where they can find further information and fill in a brief online survey, which is essential to establishing more accurately how many people will use the proposed interchange.

Background

Leigh, the home of the first passenger rail service¹, (Leigh-Bolton c. 1831), was previously served by 4 stations:

Pennington
Opened 1828;
Station Closed 1954;
Line Closed 1969

Leigh (connected to Pennington)
Opened 1864
Closed 1969

Lowton St Mary's
Opened 1884
Closed (passengers) 1964 (totally) 1968

Kenyon Junction
Opened 1831
Closed (passengers) 1961 (totally) 1963

Despite being in the pre-internet age, in 1968, a petition gained over 1200 signatures against the cuts, which a local Councillor described as "*Foolish, silly and ridiculous*".

¹ Lancashire Life (March 2003), *The Lost Railways of Lancashire*
www.transportforleigh.org.uk

Proposal

The artists impression shows an integrated station with the existing rail network, to work in conjunction with HS2.

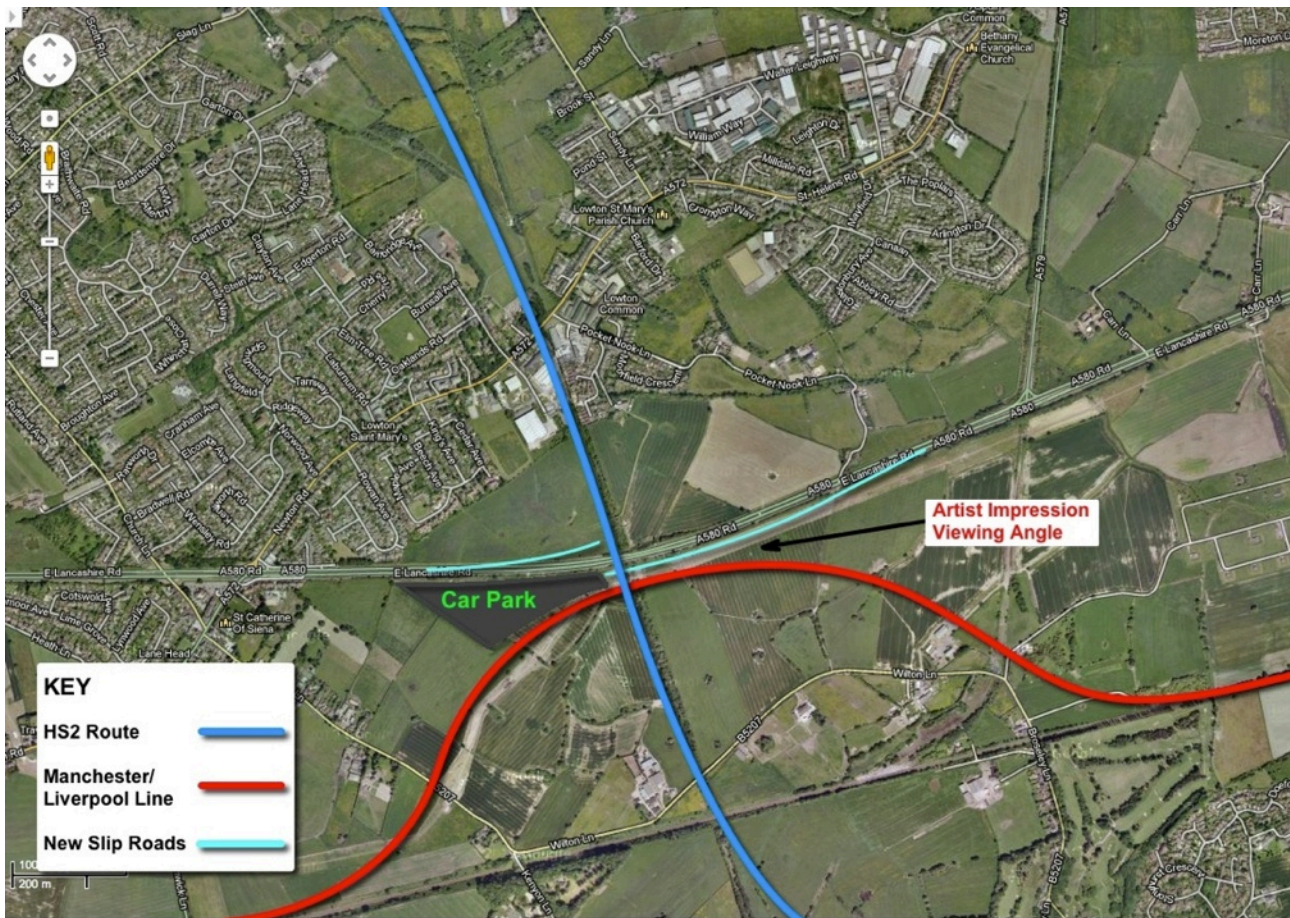


This view is taken looking west towards Liverpool. The A580 raised section can be seen to the right hand side, where the h2s train can also be noted in the distance going north under the A580.

The main view is that of the Liverpool-Manchester platforms and the west-bound car park access slip road can also be seen on the right hand side of the impression.

The combined interchange facility can be seen in the background.

Location



The map shows the provision for two new slip roads; one eastbound, the other westbound. Both slip roads provide access to the new 250 space car park from from the East Lancashire Road (A580). The east bound slip meets an underpass, which goes under the A580 to the car park.

The rail work involves a diversion of the Liverpool to Manchester railway line so that it comes very close to the South side of the East-Lancashire road (A580), where it will be within reach of a combined Liverpool-Manchester / h2s interchange facility.

At the site of the proposed interchange, the Liverpool-Manchester line will be below ground level, with the h2s running over the top of that line. The h2s line then goes under a new raised road section of the A580, where there will be a new full-length h2s platform.

Economic Appraisal

The value for money of the scheme is expressed by the Benefit to Cost Ratio (BCR).

Whilst we don't have the requisite software to produce an accurate valuation we have assessed the BCR based on a previous report produced by Halcrow for Wigan Council using the principles of the TfGM appraisal template used to assess a range of schemes. The appraisal is completed over a 60 year scheme lifetime (assumed to be 2016 to 2075). Benefits are inflated over this period as values of time increase covering traffic congestion, public transport fare increases at RPI+1%, and costs are inflated based on construction and rail industry guidance.

Our assessment in the economic appraisal is expressed in 2002 prices and values.

The benefits of the scheme include the following:

- User Benefits - Timesavings (terms generalised travel costs as it includes walk, wait, in-vehicle, interchange and fare elements of a journey) offered to passengers as a result of the proposed rail route and service. Examples of the time savings are based on the train is faster than the bus so offering lower on-vehicle times. However the rail station is further to walk to than a local bus stop and the frequency of service is lower, so wait time for the service is higher. Rail fares are also more expensive than bus fares per kilometre travelled.
- Non-User Benefits - decongestion on the highway network from car users switching to use rail, resulting in less traffic congestion in the future on route to the key centres of Manchester, Warrington and Liverpool. Congestion benefits are assumed to increase over time as highway journey times increase with more traffic using the networks. Non-user benefits also include savings in accidents and less noise and reduced vehicle emissions from less congestion and traffic.
- Bus Operator Impacts – reflects change in revenue and operating costs as a result of the rail scheme. The impact is negative as bus passengers switch to rail, so the bus operator will get less revenue.
- Rail Revenue – the net revenue gain to the operator from the farebox revenue is reported, including the impact of existing rail passengers transferring from other services, so adding no extra revenue to the overall network totals. Rail fares are assumed to grow at RPI+1% to year 2031.

	<u>£000</u>
User Benefits	£23,036
Non-User Benefits	£50,966
Bus Operator Impacts	£-9,310
Rail Revenue	£107,253
Rail Operating Costs	£-27,847
Grant Subsidy	£0
Indirect Tax Change	£-4,098
Total	£140,000

• Rail Operating Costs – (all values in 2016 prices)

The costs, as defined below, are reported over 60 years in the appraisal. Inflation and real cost increases are reflected in the costs.

Heavy Rail Costs

	<u>£000</u>
Leasing	£0.00
Train Staffing	£0.00
Station Staffing	£0.09
Track Access	£0.13
Power and Electrification	£0.45
Sub-Total	£0.67
Access Mode Costs	
Park and Ride	£0.13
Bus Shuttle Services	£0.67
Sub-Total	£0.80
<u>Maintenance</u>	
Asset Maintenance	£0.33
Sub-Total	£0.33
Total	£1.80

Benefit to Cost Breakdown

Halcrow² estimated an annual user of 375,000 passenger journeys on a service to Manchester Victoria where our proposal will link Leigh with the North Wales Trans-Pennine network. Therefore we initially estimate at least a similar number of passenger journeys to other similar sized stations of less prominence on the same line at 550,000.

We have also taken a similar average journey spend.

Using Halcrow table 6.1 this gives a benefit value of c£140M.

Our detailed estimate of the costs are as follows

1 Leigh Loop and station £60M

2 HS2 Station extension £25M

So without HS2 revenues which are initially estimated to be in excess of £30M(PV) per annum.

1 BCR is $140/60=2.3$

2 With HS2 cost= 1.65

3 With HS2 income >2

1 and 3 meet DoT requirements for funding.

² Halcrow (January 2012) *Leigh Area Rail Study*, Available from: <http://www.wigan.gov.uk/NR/rdonlyres/DD06A339-F532-4AAA-A059-DDE5111998B1/0/LARSReport.pdf> (Accessed March 2013)
www.transportforleigh.org.uk

Annex A. Detailed Cost Breakdown - Leigh Station Build

Stobart Rail Limited					
Solway Business Centre, Kingstown, Carlisle, CA6 4BY					
			£	Station Work £	Signalling £
Proprietary bike shelter	4	nr	£750	£3,000	
4 panel vandal proof "macemain" wa	2	nr	£39,000	£78,000	
Ticket vending machine	2	nr	£27,500	£55,000	
Next train indicator inc supports	1	nr	£25,500	£25,500	
Station clock inc supports	1	nr	£5,000	£5,000	
CCTV	35	nr	£2,450	£85,750	
Public payphone	1	nr	£10,000	£10,000	
Help point inc supports	2	nr	£5,000	£10,000	
Timetable display board	4	nr	£1,000	£4,000	
Station signage	1	item	£10,000	£10,000	
Additional Station signage	1	item	£5,000	£5,000	
Road signage	1	item	£5,000	£5,000	
Block paving to walkway	600	m2	£60	£36,000	
Pallisade fencing throughout	1000	m	£70	£70,000	
Handrail to underbridge	0	m	£50	£0	
Lighting to underbridge	0	nr	£2,500	£0	
New booking office complete	0	m2	£4,500	£0	
Tarmac footprint	750	m2	£40	£30,000	
Platform access ramp 1.2m high x 32	1	nr	£20,000	£20,000	
Platform access steps	2	nr	£10,000	£20,000	
Tactile paviours	600	nr	£60	£36,000	
Coping Stones	300	nr	£110	£33,000	
1000 x 300 RC strip foundation		m	inc		
Station car park	250	space	£3,500	£875,000	
Platform structure	1050	m2	£1,000	£1,050,000	
Platform structure solid blockwork fr	600	m2	£750	£450,000	
300 diameter x12m bored pile	80	nr	£3,750	£300,000	
1.5m high platform fence inc kerb	300	nr	£200	£60,000	
Platform furniture	2	item	£10,000	£20,000	
Platform lighting	2	nr	£4,250	£8,500	
PA	2	nr	£2,000	£4,000	
Lift & line plain line	800	m	£25	£20,000	
Relocate main signal & overlap + AW	2	nr	£50,000	£100,000	£100,000
Signalling panel alternations	2	nr	£10,000	£20,000	£20,000
New main signal	2	nr	£30,000	£60,000	£60,000
"Off" indicator inc platform control u	2	nr	£10,000	£20,000	£20,000
New axle counter section	1	nr	£11,000	£11,000	£11,000
Alternation to existing axle counter s	2	nr	£5,000		£10,000
Work to existing axle counter evalua	1	item	£10,000		£10,000
New axle counter evaluator	2	nr	£50,000		£100,000
New 4 aspect dorman signal head	4	nr	£8,000		£32,000
signal post	4	nr	£20,000		£80,000
Signal post telephone	6	nr	£5,000		£30,000

TPWS TSS	6	nr	£6,000		£36,000
TPWS TSS to signal	6	nr	£6,000		£36,000
TPWS buffer stop OSS fitment	2	nr	£7,500		£15,000
TPWS OSS	2	nr	£7,500		£15,000
AWS to signal	6	nr	£4,200		£25,200
AWS	6	nr	£4,200		£25,200
New location case	6	m	£26,000		£156,000
Signal Troughing Route	3800	m	£30		£114,000
Power Cable	4500	m	£15	£67,500	
Signal Cable	4500	m	£8		£36,000
Drivers walkway	6	m	£50		£300
GPLS 4 aperture PL2R	6	nr	£4,700		£28,200
New Signalling route over points	4	nr	£29,000		£116,000
Train describer alterations	2	item	£600,000		£1,200,000
Internlocking and panel alterations	2	nr	£175,000		£350,000
Turnout	5	item	£125,000		£625,000
HW type points machine	8	nr	£220,000		£1,760,000
Points heating	8	nr	£21,000		£168,000
Mod to existing points heater power	1	item	£12,000		£12,000
Excavate ballast and remove		m3	inc		
New ballast	7400	m3	£25	£185,000	
Serviceable plain line FB on conc	3800	m	£520	£1,976,000	
Track drainage	3800	m	£175	£665,000	
Friction buffer stop	0	nr	£18,000	£0	
Buffer stop red light	0	nr	£900	£0	£0
Power supply	0	item	£1,200		£0
Electrification of Route	3800	m	£850	£3,230,000	
Electrification into mainline	1	Item	£600,000	£600,000	
Works to existing Rail Infrsatructure	1	item	£250,000	£250,000	
ATWS System Hire	1	item	£150,000	£150,000	
Legal Fee's	1	item	£100,000	£100,000	
TOC Fee's	1	item	£150,000	£150,000	
Temporary Works	1	item	£300,000	£300,000	
C-Forms	1	item	£200,000	£200,000	
Non Rail Elements					
CPO'S	1	Item	£1,500,000	£1,500,000	
Works to existing structures	3	item	£250,000	£750,000	
Associated Earthworks incl landscapi	3800	m	£1,000	£3,800,000	
Devegetation	64000	m2	£0.50	£32,000	
Topographical surveys	2	Item	£20,000	£40,000	
Gound Investigation	1	item	£100,000	£100,000	
Environmental Impact Assessmentt e	1	item	£5,000	£5,000	
Archeoligical Surveys	1	item	£10,000	£10,000	
Traffic Assessments	1	item	£5,000	£5,000	
Translocation or similar	1	item	£50,000	£50,000	
Legal Fee's	1	Item	£175,000	£175,000	
Security	1	Item	£350,000	£350,000	
Diversion of existing services	1	Item	£1,500,000	£1,500,000	

Section 278 Works	1	Item	£100,000	£100,000	
				£0	
Materials	1	Item	£100,000	£100,000	
Consumables	1	item	£50,000	£50,000	
Total Work				£19,980,250	£5,190,900
Testing & Commissioning (15%)					£778,635
Sub Total				£19,980,250	£5,969,535
Contractor Preliminaries (20%)				£3,996,050	£1,193,907
Contractor Overhead and Profit(10%)				£1,998,025	
Station Civils Design (5%)				£999,013	
Signalling Design (25%)					£1,492,384
Network Rail GRIP 1-3 Costs				£500,000	
Consultants fee for Works Information Spec				£500,000	
Council Fees				£500,000	
Construction Cost				£28,473,338	£8,655,826
Network Rail Project Management (10%)				£2,847,334	£865,583
Network Rail Sponsor Cost (4%)				£1,138,934	£346,233
Possession & Isolation Costs (2.5%)				£711,833	£216,396
Sub Total				£33,171,438	£10,084,037
Contingency (35%)				£11,610,003	£3,529,413
TOTAL				£44,781,442	£13,613,450
					£58,394,892
2014 2% INCREASE DUE TO INFLATION					£59,562,789
2015 2% INCREASE DUE TO INFLATION					£60,754,045
2016 2% INCREASE DUE TO INFLATION					£61,969,126
2017 2% INCREASE DUE TO INFLATION					£63,208,509
2018 2% INCREASE DUE TO INFLATION					£64,472,679
2019 2% INCREASE DUE TO INFLATION					£65,762,132
2020 2% INCREASE DUE TO INFLATION					£67,077,375
2021 2% INCREASE DUE TO INFLATION					£68,418,922
2022 2% INCREASE DUE TO INFLATION					£69,787,301

Annex B. Detailed Cost Breakdown - Integration to HS2

Stobart Rail Limited					
Solway Business Centre, Kingstown, Carlisle, CA6 4BY					
			£	Station Work £	Signalling £
Proprietary bike shelter	4	nr	£750	£3,000	
4 panel vandal proof "macemain" wa	2	nr	£39,000	£78,000	
Ticket vending machine	2	nr	£27,500	£55,000	
Next train indicator inc supports	1	nr	£25,500	£25,500	
Station clock inc supports	1	nr	£5,000	£5,000	
CCTV	40	nr	£2,450	£98,000	
Public payphone	1	nr	£10,000	£10,000	
Help point inc supports	2	nr	£5,000	£10,000	
Timetable display board	4	nr	£1,000	£4,000	
Station signage	1	item	£10,000	£10,000	
Additional Station signage	1	item	£5,000	£5,000	
Road signage	1	item	£5,000	£5,000	
Block paving to walkway	600	m2	£60	£36,000	
Pallisade fencing throughout	1000	m	£70	£70,000	
Handrail to underbridge	0	m	£50	£0	
Lighting to underbridge	0	nr	£2,500	£0	
New booking office complete	150	m2	£4,500	£675,000	
Tarmac footprint	750	m2	£40	£30,000	
Platform access ramp 1.2m high x 32	2	nr	£20,000	£40,000	
Platform access steps	2	nr	£10,000	£20,000	
Tactile paviments	600	nr	£60	£36,000	
Coping Stones	300	nr	£110	£33,000	
1000 x 300 RC strip foundation		m	inc		
Station car park	250	space	£3,500	£875,000	
Platform structure	1050	m2	£1,000	£1,050,000	
Platform structure solid blockwork fr	600	m2	£750	£450,000	
300 diameter x12m bored pile	80	nr	£3,750	£300,000	
1.5m high platform fence inc kerb	300	nr	£200	£60,000	
Platform furniture	2	item	£10,000	£20,000	
Platform lighting	2	nr	£4,250	£8,500	
PA	2	nr	£2,000	£4,000	
Lift & line plain line	0	m	£25	£0	
Relocate main signal & overlap + AW	0	nr	£50,000	£0	£0
Signalling panel alternations	0	nr	£10,000	£0	£0
New main signal	0	nr	£30,000	£0	£0
"Off" indicator inc platform control u	2	nr	£10,000	£20,000	£20,000
New axle counter section	1	nr	£11,000	£11,000	£11,000
Alternation to existing axle counter s	0	nr	£5,000		£0
Work to existing axle counter evalua	0	item	£10,000		£0
New axle counter evaluator	0	nr	£50,000		£0
New 4 aspect dorman signal head	0	nr	£8,000		£0
signal post	4	nr	£20,000		£80,000
Signal post telephone	4	nr	£5,000		£20,000

TPWS TSS	4	nr	£6,000		£24,000
TPWS TSS to signal	4	nr	£6,000		£24,000
TPWS buffer stop OSS fitment	2	nr	£7,500		£15,000
TPWS OSS	2	nr	£7,500		£15,000
AWS to signal	4	nr	£4,200		£16,800
AWS	4	nr	£4,200		£16,800
New location case	4	m	£26,000		£104,000
Signal Troughing Route	400	m	£30		£12,000
Power Cable	4500	m	£10	£45,000	
Signal Cable	4500	m	£5		£22,500
Drivers walkway	24	m	£50		£1,200
GPLS 4 aperture PL2R	4	nr	£4,700		£18,800
New Signalling route over points	0	nr	£26,000		£0
Train describer alterations	0	item	£500,000		£0
Internlocking and panel alterations	0	nr	£150,000		£0
Turnout	0	item	£20,000		£0
HW type points machine	0	nr	£200,000		£0
Points heating	0	nr	£21,000		£0
Mod to existing points heater power	0	item	£10,000		£0
Excavate ballast and remove		m3	inc		
New ballast	0	m3	£20	£0	
Serviceable plain line FB on conc	0	m	£470	£0	
Track drainage	0	m	£150	£0	
Friction buffer stop	0	nr	£15,000	£0	
Buffer stop red light	0	nr	£700	£0	£0
Power supply	0	item	£1,000		£0
Electrification of Route	0	m	£750	£0	
Electrification into mainline	0	Item	£500,000		£0
Works to existing Rail Infrsatructure	1	item	£200,000	£200,000	
ATWS System Hire	0	item	£100,000		£0
Legal Fee's	1	item	£75,000	£75,000	
TOC Fee's	0	item	£100,000		£0
Temporary Works	1	item	£250,000	£250,000	
C-Forms	1	item	£150,000	£150,000	
<u>Non Rail Elements</u>					
CPO'S	1	Item	£1,500,000	£1,500,000	
Works to existing structures	3	item	£250,000	£750,000	
Associated Earthworks incl landscapi	400	m	£1,000	£400,000	
Devegetation	10000	m2	£0.50	£5,000	
Topographical surveys	2	Item	£20,000	£40,000	
Gound Investigation	1	item	£100,000	£100,000	
Environmental Impact Assessmentt e	1	item	£5,000	£5,000	
Archeoligical Surveys	1	item	£10,000	£10,000	
Traffic Assessments	1	item	£5,000	£5,000	
Translocation or similar	1	item	£50,000	£50,000	
Legal Fee's	1	Item	£175,000	£175,000	
Security	1	Item	£350,000	£350,000	
Diversion of existing services	1	Item	£1,500,000	£1,500,000	

Section 278 Works	1	Item	£100,000	£100,000		
				£0		
Materials	1	Item	£100,000	£100,000		
Consumables	1	item	£50,000	£50,000		
Total Work				£9,907,000	£401,100	
Testing & Commissioning (15%)					£60,165	
Sub Total				£9,907,000	£461,265	
Contractor Preliminaries (20%)				£1,981,400	£92,253	
Contractor Overhead and Profit(10%)				£990,700		
Station Civils Design (5%)				£495,350		
Signalling Design (25%)					£115,316	
Network Rail GRIP 1-3 Costs				£500,000		
Consultants fee for Works Information Spec				£500,000		
Council Fees				£500,000		
Construction Cost				£14,874,450	£668,834	
Network Rail Project Management (10%)				£1,487,445	£66,883	
Network Rail Sponsor Cost (4%)				£594,978	£26,753	
Possession & Isolation Costs (2.5%)				£0	£16,721	
Sub Total				£16,956,873	£779,192	
Contingency (35%)				£5,934,906	£272,717	
TOTAL				£22,891,779	£1,051,909	£23,943,688
2014 2% INCREASE DUE TO INFLATION						£24,422,561
2015 2% INCREASE DUE TO INFLATION						£24,911,013
2016 2% INCREASE DUE TO INFLATION						£25,409,233
2017 2% INCREASE DUE TO INFLATION						£25,917,418
2018 2% INCREASE DUE TO INFLATION						£26,435,766
2019 2% INCREASE DUE TO INFLATION						£26,964,481
2020 2% INCREASE DUE TO INFLATION						£27,503,771
2021 2% INCREASE DUE TO INFLATION						£28,053,846
2022 2% INCREASE DUE TO INFLATION						£28,614,923

Notes to editors

- “Transport for Leigh” should not be abbreviated in the first mention to “TfL”. This avoids confusion with Transport for London.
- Images, text and attributed quotes are free for distribution.
- Transport for Leigh is a not-for-profit Community Interest Company.
- It’s aim is the reinstatement of improved transport links for Leigh, and the wider area, to aid in social mobility, employment and economic regeneration.

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