

## Appendix 1 - LIP Submission

APPENDIX 1: Annual LIP Spending Submission 2011 to 2014					
Corridors and Neighbourhoods					
Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
<b>1. Improving public realm</b>					
1) Town Centres	Introduction of pedestrian sign posting scheme modelled on type introduced in central London. The scheme will consist of a combination of maps in large and medium size format at strategic locations supplemented by finger posts or similar to key destinations, initially in Uxbridge and West Drayton town centres	60	60	60	TfL and LB Hillingdon have been liaising on introducing a pedestrian sign posting scheme 'Legible London' to improve way finding for pedestrians in Uxbridge and West Drayton in 2010-12 with a view to rolling it out to other town centres thereafter. New Way finding will be ready in time for numerous visitors during Olympics 2012. Initial stakeholder consultation through the Uxbridge Initiative and Area-wide Travel Plan Partnership have been extremely positive.
2) District Centres	Introduction of minor public realm and parking schemes initially in Ruislip Manor and Northwood Hills	50	50	50	Development of town centre improvement initiatives such as widening carriageways, improving pedestrian crossing and parking arrangements, in consultation with local businesses.
3) Local Shopping Parades	Rationalisation of street furniture arrangements and de-cluttering and consideration where possible of stop and shop parking arrangements to create a better shopping environment and improved turnover for local businesses. Public realm improvements could include installation of benches, improved pavements, better bus stop arrangements and upgraded lighting.	50	50	50	Measures to improve viability and vitality of local parades in response to issues raised during stakeholder liaison meetings with the Mobility Forum in particular. Dellfield Parade (South Uxbridge) improvements will be used as a model to roll out to other parades e.g. Merriman's Corner, Harlington Road (petition heard by Cabinet Member in May 2010) and New Peachey Lane near Paddington Packet Boat Lane.
<b>Total</b>		<b>160</b>	<b>160</b>	<b>160</b>	

Appendix 1 - LIP Submission

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<b>2. Interchanges</b>					
1) Uxbridge	Provide borough wide real time information to promote Uxbridge as a gateway to the borough and west London building upon the scheme currently being implemented in Bakers Road.	10	10	10	Better public understanding of potential to link Uxbridge with 1) Central Line at West Ruislip, 2) Heathrow Airport (Bus & Coach Station), 3) Great Western Main Line, 4) Significant town centres in the neighbouring counties
2) Hayes	Support and complement Cross Rail to implement some initial schemes to develop the town centre and interchange in preparation of a major scheme application to be submitted to TfL at the next bidding opportunity (2012). This will build upon Cross Rail's Urban Design Study and help to market and promote activities to develop significant vacant / derelict sites in the area, especially in Blyth Road	60	60	60	Measures will support the Hayes Town Partnership and 1) achieve an improved interchange 2) create an attractive arrival experience 3) attract investment in the area. 4) enable collection of automated traffic count data at Hayes By Pass/North Hyde Road to determine the contribution of road traffic to air pollution levels with a view to demonstrate that the Cross Rail scheme is helping to improve local air quality. Hayes Town Centre Partnership is working with Cross Rail and LB Hillingdon to develop an urban design study for the immediate station area focused on a creating better pedestrian access to the station.
3) Eastcote	Complete Eastcote Station Access project	5	0	0	Post scheme review to ensure that the scheme has created an attractive arrival experience including any subsequent measures required.
4) South Ruislip	Upgrade public realm including rationalisation and improved street furniture and enhanced pedestrian routes to station and convert under-used footway space possibly into cycle parking facility	0	50	0	Proposals to enhance the arrival experience at this key interchange between London underground and Chiltern Railway. Further to this, to help model traffic congestion problems in the area, it is proposed to use an automatic traffic count data along the whole of West End Road, South Ruislip, to provide robust evidence to support measures proposed.

Appendix 1 - LIP Submission

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5) Ruislip Gardens	Upgrade the public realm including the area under the bridge to provide better pavements, lighting and improvements visual amenity.	0	0	20	Development of proposals to enhance the public realm on the approaches to South Ruislip Station. This would include consideration of better lighting, improved pedestrian routes and more attractive materials. The area under the bridge has been identified to be of particular concern by local residents.
6) Grand Union Canal Dawley Road / Rigby Lane £58,900	<ul style="list-style-type: none"> <li>• 1) £43,900 Improvements along the Grand Union Canal between Dawley Road and Rigby Lane (including resurfacing of footpath and alteration of the mooring area ramp). Length = 300m, width = 2.6m, area = 780m2 @ £50/m2</li> <li>• 2) £15,000 Improve existing informal ramp to Rigby Lane once increased demand from the south has been created by redevelopment. New design to include signposting and local information. Bituminous surface on general fill base is assumed</li> </ul>	59		59	The scheme will essentially form a continuation of improvements along the Grand Union Canal from east to north-west and result in improved conditions for walking and cycling along the Grand Union Canal towpath, an 18.8km entirely off-highway route (Greenway). The measures will include step-free access; wayfinding information at entry points; and barriers to prevent motorcycle use. The Biking Borough Report (April 2010) will be taken into account, along with practical constraints. Dawley Road - Rigby Lane measures will 1) provide all year round attractive and comfortable conditions for walking and cycling, 2) improve access to potential new developments and Stockley Park (S106 funding will be sought for specific access improvements)

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
7) Grand Union Canal Horton Bridge Road / West Drayton Interchange £143,590	<ul style="list-style-type: none"> <li>• 1) £50,000 Interchange design upgrade (Indicative sketch attached) to make best use of existing traffic signal proposals at the Horton Road / High Street junction to create link between GUC and High Street</li> <li>• 2) £2,400 Introduce signposting, local information and a bin at the GUC / Horton Road access. 4 fingers assumed @ £200/finger + £300/post + £25/ped priority sign = £1,125. Bin, £150 (Broxap)</li> <li>• 3) £90,090 Resurface the towpath between Horton Bridge Road and High Street. Length = 630m, width = 2.6m (may not be achievable throughout), area = 1638m<sup>2</sup> @ £50/m<sup>2</sup></li> <li>• 4) £100 Add antiskid surfacing to surface covers within the vicinity of West Drayton Station</li> <li>• 5) £1,000 Remove all barriers along section of route and make good where appropriate</li> </ul>	41	103		Measures will build upon Hayes - West Drayton High Street major scheme being implemented. Interchange upgrade was identified through a comprehensive review and study (RISP) with key stakeholders. The scheme will <ol style="list-style-type: none"> <li>1) create an attractive and direct link between the route and Yiewsley town centre and will increase the route's prominence within the town centre.</li> <li>2) provide information on the route alignment and surrounding area</li> <li>3) provide a comfortable all weather surface along the towpath</li> <li>4) reduce the potential for cycle slip accidents in wet weather</li> <li>5) provide a barrier free route</li> </ol>

Appendix 1 - LIP Submission

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8) Grand Union Canal High Street – Trout Road £73,480	<ul style="list-style-type: none"> <li>• 1) £500 Remove the existing accesses near to St Matthew’s C of E Primary School and plant hedge.</li> <li>• 2) £1,725 Formalise existing informal access by introducing a barrier (£600) and signposting. 4 fingers assumed @ £200/finger + £300/post + £25/ped priority sign = £1,125</li> <li>• 3) £15,000 Convert the Trout Road stepped access to a ramp and introduce signposting and local information. 4 fingers assumed @ £200/finger + £300/post + £25/ped priority sign = £1,125. Bituminous surface on general fill base assumed</li> <li>• 4) £55,055 Resurface the towpath between High Street and Trout Road. Length = 385m, width = 2.6m (may not be achievable throughout), area = 1001m<sup>2</sup> @ £50/m<sup>2</sup></li> <li>• 5) £1,200 Introduce motorcycle barriers on the towpath at High Street and Trout Road bridges to minimise the impact of motorcycle on the towpath. Barriers could be temporary installations and monitored for effectiveness</li> </ul>		33	41	<p>Measures will build upon the major scheme being implemented in Yiewsley - West Drayton High Street. Existing stepped access will be replaced by a formal step free access on an existing desire line for pedestrians and cyclists. A comfortable all weather surface will be provided along the towpath whilst reducing the impact of illegal motorcycle use along the towpath to a minimum</p>

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
9) Grand Union Canal Oxford Road Interchange £237,130	<ul style="list-style-type: none"> <li>• 1) £201, 630 Widen and resurface the towpath between Cowley Mill Road and Oxford Road (high priority). Length = 1410m, width = 2.6m, area = 666m<sup>2</sup> @ £50/m<sup>2</sup></li> <li>• 2) £4,500 Introduce signposting and local information at the Rockingham Road and Oxford Road accesses. 4 fingers assumed @ £200/finger + £300/post + £25/ped priority sign = £1,125</li> <li>• 3) £30,000 Create a new access north of Oxford Road</li> <li>• 4) £1,000 Remove all barriers along section of route and make good where appropriate</li> </ul>		68	134	Measures will provide an attractive interchange at a key location, making best use of the adjacent pub and open space; creating a comfortable and all weather surface for pedestrians and cyclists; providing local and route information for pedestrians and cyclists using the route; and creating an attractive step free access for pedestrians and cyclists

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
10) Grand Union Canal Gates and unauthorised access overhaul £6,750;	<ul style="list-style-type: none"> <li>• 1) Station Road to Printing House Lane: £600 Introduce barrier at top of Printing House Lane ramp and £550 Introduce staggered guard rail and a bin at the bottom of Printing House Lane ramp. Guard rail, £200/m @ 2m, Bin, £150 assumed (Broxap);</li> <li>• 2) Printing House Lane to Dawley Road: £1,000 Remove all barriers along section of route and make good where appropriate;</li> <li>• 3) Rigby Lane to Stockley Road: £1,000 Remove all barriers along section of route and make good where appropriate;</li> <li>• 5) Stockley Road – Iron Bridge Road – Horton Bridge Road: £1,000 Remove all barriers along section of route and make good where appropriate;</li> <li>• 6) Trout Road to Packet Boat Lane: £1000 Remove all barriers along section of route and make good where appropriate;</li> <li>07/01 Packet Boat Lane to Benbow Way: £1,000 Remove all barriers along section of route and make good where appropriate;</li> <li>• 7) Benbow Way to Iver Lane: £600 Replace existing wooden barrier at Iver Lane with an additional barrier added south of the recreation ground to reduce illegal motorcycle use along the towpath</li> </ul>			7	Access will be reviewed as soon as schemes above have been implemented to adjust gates as necessary at all locations so that the route will have adequate control at all access points whilst effectively ensuring good access along the canal itself
<b>Total</b>		<b>175</b>	<b>324</b>	<b>331</b>	

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
<b>3. North -South Sustainable Transport Corridors</b>					
1) Bus accessibility on north - south corridor	Improve bus accessibility for older and disabled passengers to promote better use of public transport and better efficiency of north - south services.	20	0	0	In conjunction with London Buses and residents groups, to implement improvements at priority junctions.
2) B466 High Road (Ickenham) / B467 Swakeleys Road priority junction	Continue to work with TfL and its suppliers to introduce measures to complement junction priority works.	0	50	10	Await completion of pedestrian crossing upgrade to a signalised crossing on Long Lane / B477 junction and propose further measures for B466 complementing this upgrade. Further to this, in order to address traffic congestion problems it is proposed to use automatic traffic count data at Swakeleys Road junction with A40 to provide robust evidence to support measures proposed.
3) A4180 Duck's Hill - Bury Street - High Street (Ruislip) - B466 Eastcote Road - High Road Ickenham / West Ruislip Station - B457 Swakeleys Road A437 - Long Lane (whole length south of A40)	Work with TfL and its suppliers towards modal change and carbon footprint reduction using pilot information technology	0	30	100	TfL has identified the A40 as the most heavily congested and unreliable radial corridor in London. The Council will work closely with TfL to smooth traffic and develop improved links to the A40 and associated destinations so that measures will bring benefits to both residents and commuters. Supplementary measures will be considered for improved bus journey times and reliability following the TfL pilot scheme in the A40 area. Opportunities will be explored to divert cyclists from the A437 main carriageway on to the existing shopping parade service road to provide easier access to the shopping facilities. Further to identify and assist the modelling of traffic congestion problems it is proposed to use Automatic Traffic Count along the whole of Long Lane to provide robust evidence to support measures proposed.



Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
4) A437 Long Lane / Freezeland Way / Sweetcroft Lane & A437 Long Lane - Hercies Road	Build upon previous proposal in 2010/11 to change zebra crossing to a puffin crossing. Measures are to include an upgrade to the public realm with measures for a two way shared use path, U2 bus stops and shelter, signalling upgrade and Advanced Stop Lines	62	10	0	The measures will improve pedestrian safety and also improve access to U2 bus service e.g. bus stops and a shelter in response to a request from a local user.
<b>Total</b>		<b>82</b>	<b>90</b>	<b>110</b>	
<b>4. East - West Sustainable Transport Corridors A4020</b>					
1) East-West A4020 Park Road (Uxbridge Road)	1) Improve crossing facility between bus stops on opposite sides of A4020 near Park Road, Hayes	130	20		Measures to improve pedestrian access - in particular for vulnerable groups including older people - who wish to gain safe and convenient access to the 427 and 607 bus services on the A4020 Uxbridge Road. A petition was heard by the Cabinet Member for Planning & Transportation in June 2010.
2) East West A4020 Green Way (Hillingdon)	2) Improve pedestrian road safety at junction of A4020 Hillingdon Hill and Greenway	95			Proposed measures are a direct response to representations made by very large secondary school and local residents. Existing footpaths and central island provision cannot cope with the volume of school children at PM school times. Petition has been submitted and is likely to be heard by Cabinet Member for Planning & Transportation in final quarter of 2010-11. The need for a second pedestrian crossing needs to be assessed as no pedestrian crossing is provided on the A4020 west arm of the Kingston Lane junction whilst numerous pedestrians have been observed to cross informally raising safety concerns.

Appendix 1 - LIP Submission

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3) East West A4020 future schemes	3) Prioritise future schemes to enhance the East West corridor to support local shopping parades, improve road safety and smooth traffic		250	250	Public realm improvements are to be considered in the following shopping parades: 1) Hayes End, 2) Hillingdon Village, 3) 641-693 Uxbridge Road, Wood End, 4) 124-152 Uxbridge Road, Hayes, 5) Crescent Parade, Hillingdon. The measures could include improved arrangements for parking, deliveries, pedestrian crossing and bus stops. Proposals could include de-cluttering, improved lighting, improved pavements and a better and safer shopping environment.
<b>Total</b>		<b>225</b>	<b>270</b>	<b>250</b>	
<b>5. School safety measures</b>					
1) Deanesfield Primary: Queens Walk, South Ruislip	To introduce measures to address traffic calming such as a pedestrian crossing in Queens Walk	0	0	35	Proposed crossing will act as a traffic calming measure and remove obstructive parking in the immediate school environment
2) Frithwood Primary: Carew Road, Northwood	To introduce measures to address traffic calming and road safety such as a raised crossing and improved lighting	125	0	0	Measures will improve road safety and encourage pupils, parents and staff to walk school as outlined in School Travel Plan
3) Glebe Primary: Sussex Road, Ickenham	To introduce measures to address traffic calming such as a raised crossing on Sussex Road.	55	0	0	Measures will improve road safety and encourage pupils, parents and staff to walk school as outlined in School Travel Plan.
4) Harefield Academy: Northwood Way, Harefield	Extend traffic calming measures from village c+B46entre to Academy	0	0	100	Measures will provide a safe area around the school on roads currently subject to speeding and rat running.

Appendix 1 - LIP Submission

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5) Harlington Community & Pinkwell Primary: Pinkwell Lane	Continuing further phase on streetscape overhaul with new raised crossings, bus stop relocation, parking bays and traffic regulations. Measures will include traffic calming in Pinkwell Lane and improved layout of Station Road and Dawley Road to enhance pedestrian access to the school.	150	150	0	Work has already started to improve safety in the immediate school environment at the most critical locations in Pinkwell Lane. Further measures are proposed in response to compelling requests from the bus operator, schools and local residents to improve both safety and bus service reliability currently hampered by numerous obstructions, especially at school times. Measures will improve road safety and encourage pupils, parents and staff to walk school as outlined in two School Travel Plans.
6) Harlyn Primary: Tolcarne Drive, Pinner	To introduce measures to address traffic calming such as a raised crossing on Tolcarne Drive.	55	0	0	Measures will improve road safety and encourage pupils, parents and staff to walk school as outlined in School Travel Plan.
7) Heathrow Primary: Harmondsworth Lane / Sipson	To introduce measures to address traffic calming such as a pedestrian crossing and 20mph zone on Harmondsworth Lane	0	0	100	Measures will provide a safe area around the school on local roads currently subject to speeding and rat running.
8) Hermitage Primary: Belmont Road, Uxbridge	To introduce measures to address traffic calming such as a pedestrian crossing on Belmont Road	0	125	0	Measures are appropriate for this busy road with a number of instances of speeding vehicles mounting the pavements near the school.
9) Hillingdon Primary: Nickels Avenue, Hillingdon	To introduce measures to address traffic calming such as a pedestrian crossing on Harlington Road	50	0	0	Measures will improve safety and encourage pupils parents, staff and local residents to walk.
10) Longmead Primary: Laurel Lane, West Drayton	To introduce measures to address traffic calming such as a pedestrian crossing on Laurel Lane	0	35	0	Pedestrian crossing adjacent to school gates will reduce the need for parking outside the school.

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
11) Northwood College: Maxwell Road, Northwood	To introduce measures to address road safety concerns such as Drop & Go in public car park and new gate and path construction	80	0	0	Outline design proposals have been prepared in close consultation with ward members and the college. The measures will improve access to school by enhancing conditions for walking to school
12) Ryefield Primary: Ryefield Avenue, Hillingdon	Extend 20mph zone to school area and include a pedestrian crossing on Ryefield Avenue	0	100	35	Measures will improve access to school by enhancing conditions for walking to school
13) Ruislip Gardens Primary: Stafford Road: Ruislip Gardens	To introduce measures to address traffic calming such as a pedestrian crossing on Stafford Road	0	0	35	Pedestrian crossing adjacent to school will reduce the need for parking outside the school
14) Ruislip High School: Sidmouth Drive, Ruislip	To introduce measures to address traffic calming such as a pedestrian crossing in Sidmouth Drive	0	0	35	Raised crossing adjacent to school gates will reduce the need for parking outside the school.
15) St John's School: Potters Street Hill, Pinner	To introduce measures to address traffic calming such as a pedestrian crossing on Hillside Road	0	0	35	Measures will improve safety and encourage pupils, staff and residents to walk to school as outlined in the School Travel Plan.
16) St Swithun Wells RC Primary: Hunters Hill, Ruislip	To introduce measures to address traffic calming such as a pedestrian crossing on East Mead	0	0	35	Measures will improve safety and encourage pupils, staff and residents to walk to school as outlined in the School Travel Plan.
17) Vyners: Warren Road, Uxbridge	To introduce traffic calming measures such as kerb build outs and footway widening. Residents have also suggested remedial works.	100	0	0	Measures will improve safety and encourage pupils, staff and residents to walk to school as outlined in the School Travel Plan.

Appendix 1 - LIP Submission

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18) Warrender Primary: Old Hatch Manor, Ruislip	To introduce measures to address traffic calming such as a pedestrian crossing on The Ridgeway. This will support works carried out in 2010/11 (pedestrian crossing at Willmill Hill).	35	0		Measures will improve safety and encourage pupils, staff and residents to walk to school as outlined in the School Travel Plan.
19) West Drayton Primary: Kingston Lane, West Drayton	To introduce measures to address traffic calming such as a pedestrian crossing on Station Road.	10	0	0	Measures will improve safety and encourage pupils, staff and residents to walk to school as outlined in School Travel Plan. The Council have secured S106 funding of £52K to deliver the scheme in 2012/13 and /or 2013/13. The £10k funding from TfL in 2011/12 is to carry out the feasibility stage.
20) Whitehall Primary School and Whitehall Junior School: Cowley Road	To introduce measures to address pedestrian safety issues such as a possible drop and go scheme within the school grounds off Whitehall Road	15	0	0	Measures will seek to achieve more active travel whilst facilitating access to a growing school.
21) Woodend Park Community: Judge Heath Lane	To introduce measures to address pedestrian safety issues such as kerb realignment, traffic signs and measures to create a prominent school access	0	0	10	Rat running traffic in the area has been growing considerably during recent years. Such pressures have been exacerbated by significant developments in the area and the significant growth in pupil numbers. The measures will encourage pupils, parents and staff to walk to school.

## Appendix 1 - LIP Submission

<b>Location</b>	<b>Description of Proposal</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>Comments</b>
22) Footpath improvements relating to Bishop Ramsey School, Hume Way	To improve the public footpath (R158) from Warrender Way to Myrtle Avenue.	13			The path is heavily used link by pupils of Bishop Ramsey School. The tarmac has become affected by tree root growth and wear, and large puddles of water form on the path.
23) Footpath improvements relating to Haydon School, Wiltshire Lane	To improve the public footpath (R54 and R55) from Chamberlain Way to Chamberlain Lane.	14.5			The path is used as link route by Haydon School pupils. The tarmac surface is eroding and breaking up and needs upgrading.
<b>Total</b>		<b>702.5</b>	<b>410</b>	<b>420</b>	

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
<b>6. Popular Destinations</b>					
1) Uxbridge Town Centre	1) Uxbridge High Street, between Windsor Street and Vine Street: Introduce transport operated or time-programmed bollard to restrict access to traffic in pedestrian areas (£15k) 2) Uxbridge Town Centre: Install accessible relief pen (dog toilet) for guide and assistance dogs (£25k)	40			Measures will address issues associated with mobility impairments
2) Heathrow (A4-M4) Villages: Harmondsworth, Sipson, Harlington, Cranfield and Longford	To address the blight caused by Third Runway 3 proposal include a series of environmental enhancements in the Heathrow Village and surrounding area. This could include measures for pavement upgrade, benches and improvement to roads currently subject to HGVs routes and rat running	100	100	50	Hillingdon Council continues to work with the Heathrow Area Transport Forum to implement measures in the villages between the A4 and the M4 especially when taking into account the Government's recent third runway decision
3) Ruislip	1) Ruislip Woods: Access audit to address numerous kissing gates and signing issues and part implementation (£25k) 2) 'The Oaks' bus stop: Introduce audible system to announce bus services for visually impaired people (£10k) 3) Ruislip to Eastcote, River Pinn towpath, Reinstate towpath off St. Martins Approach parallel to Park Avenue car park (£30k) 4) Kings End Road, Ruislip: Eliminate excessive gradient on service road footpath (approximately 100m) to food superstore Churchfield, Eastcote Road, rectify problem	90			Measures will address issues associated with mobility impairments

## Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
4) Eastcote	Field End Road, Eastcote (outside Champers wine bar): Introduce raised footway (Kassel kerb) to create accessible bus stop (£10k)		10		Measures will address issues associated with mobility impairments
5) Ickenham	1) Midcroft Road opposite Ickenham Road: Introduce pedestrian crossing opposite post office (£10k) 2) Ickenham Road (outside bakery): Reposition lamp column from centre of the footway to outer edge (£2k)		12		Measures will address issues associated with mobility impairments
6) West Drayton	Station Road / Harmondsworth Road junction area (West Drayton): Rationalise cycle route alignments to ensure safe interaction between pedestrians and cyclists (£50k)		50		Measures will address issues associated with mobility impairments



Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
7) Borough-wide	<p>1) Barrier overhaul preventing anti-social motorcycle use whilst avoiding access restrictions for disabled and older people in alleyways (£25k/annum)</p> <p>2) Demand responsive installation of appropriate tactile paving on dropped kerbs (£25k/annum)</p> <p>3) Introduce contrast banding around street furniture, particularly litter bins, to ensure they can be seen by partially sighted people (£25k/annum)</p> <p>4) A-Z guide on door to door transport schemes for older and disabled people: Issue regular updates (£25k initially, 5 yearly thereafter)</p>	50	25	25	Measures will address issues associated with mobility impairments
8) Yiewsley - West Drayton Lavender Rise, Porters Way and Harmondsworth Road	To develop and implement schemes to improve the quality of life in the area whilst coping with existing and projected traffic flows. Measures include a series of Porters Way/Station Road area junction modifications and bus priority measures to reduce congestion along the High Street between Porters Way and Cowley Road	95	200	100	Measures will be designed so that existing and projected traffic flows can be accommodated on the principal road network taking into account 1) the Yiewsley - West Drayton High Street Scheme, 2) Stockley Park Phase 3, 3) NATS, and 4) School expansion in Harmondsworth Road area. The 222 bus service (connecting Uxbridge and Hounslow Metropolitan Town Centres) should benefit significantly and conditions will improve for people who walk and cycle, especially on school routes. The Yiewsley and West Drayton Town Centre Action Group local members, major employers and transport operators in the area appear very interested and committed to such an approach

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
9) Further area-wide travel plan partnerships	To introduce public transport travel and journey planning information facilities and displays (building upon existing and new information technology including the TfL journey Planner and Countdown 2). Information will be provided in significant reception areas of public attractions including the Civic Centre, Public Libraries and Leisure Centres.	60	60	280	The new facilities will assist in enabling people to plan their journeys with real and current journey time information, thereby promoting public transport in the most constructive possible manner.
<b>Total</b>		<b>435</b>	<b>457</b>	<b>455</b>	

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
<b>7. Ongoing Borough-wide Initiatives</b>					
<b>1) Road safety improvement measures</b>					
1) Charville Lane, Langdale Drive & Grosvenor Avenue, Hayes End	To introduce measures to address road safety concerns	5	125	25	A petition was heard by the Cabinet Member for Planning & Transportation in November 2008, at which residents expressed concern about traffic speeds and volumes. Subsequent 24/7 surveys support the case for some traffic management measures. It is proposed to develop proposals in greater detail in 2011-12 and seek to consult and implement in 2012-14.
2) Cowley Road/Cowley Mill Road,	To introduce measures to address road safety concerns	5			Cowley Road has a relatively high road safety collision record, forms one of the Council's 'route alert' road signage schemes and carries high traffic flows. It is proposed to use Automatic Traffic Count along the Cowley Road to provide robust evidence to inform appropriate road safety improvement measures.
3) Green Lane Station Approach, Northwood	Post implementation audit of traffic signal controlled junction with pedestrian phasing	10			A new traffic signal controlled junction was introduced in 2009/10 as part of a comprehensive scheme for Green Lane. However there have been concerns about its impact on traffic congestion and doubts about acceptability to some road users. It is proposed to undertake a thorough audit and review including surveys and video evidence and consideration of further measures such as Pedestrian Countdown. Costs at this stage are for independent study only.

## Appendix 1 - LIP Submission

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4) Long Lane/ Sweetcroft Lane/ Ryefield Avenue	Review of options for the introduction of a pedestrian phase in Ryefield Avenue			5	Following past representation from residents, the council and TfL signals jointly explored options to introduce a pedestrian phase in Ryefield Avenue adjacent to this busy junction. However modelling at the time indicated unacceptable queue lengths. Following the work to improve the crossing arrangements further north in Long Lane, planned for 2010-11, and modernisation of the Freezeland Way junction by TfL Signals in 2010, there may be an opportunity to look at improved linked signals at the Sweetcroft Lane junction. Study only envisaged at this stage.
5) Harlington Road/Judge Heath Lane,	To introduce measures to address road safety concerns; conflicting movements at the junction; visibility and speed issues.	80			This Local Safety Scheme proposal was looked into in 2010/11. Funding is required to undertake consultation and based on the results of this, for implementation.
6) Kingshill Avenue/Lansbury Drive,	To introduce measures to address road safety concerns; particularly conflicts at the junction with visibility and speed issues.			50	This Local Safety Scheme proposal was looked into in 2010/11. Funding is required to undertake consultation and based on the results of this, for implementation.
7) St Andrews roundabout	To introduce measures to address road safety concerns; particularly poor lane discipline and conflicts on this major roundabout.	35			Vehicle conflicts and lane discipline are poor on the approaches to this major roundabout which lies at the junction of Park Road (Uxbridge) and Hillingdon Hill (A4020).
8) Bury Street/Ladygate Lane	To introduce measures to address road safety concerns; and desire for pedestrian crossing facility			70	Sight lines are restricted at this slightly skewed junction and traffic signals have been discounted on technical grounds. A zebra or similar crossing would need to be sited north of the junction of Bury Street and Ladygate Lane to benefit vulnerable road users including pupils of Whiteheath schools.

## Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
9) Eastcote Road/ Windmill Hill	To introduce measures to address road safety concerns; and particularly an improved layout of this large roundabout which forms a pedestrian route for school children and residents walking to Ruislip Manor LUL Station.	95			The existing roundabout suffers from inadequate vehicle deflection and poor pedestrian facilities. The proposed improvements would address these and provide benefits for a wide range of pedestrians including vulnerable groups.
10) Station Road/ Dawley Road/ Shepiston Lane, Hayes	To introduce measures to address road safety concerns; and particularly better pedestrian crossing arrangements and measures to reduce traffic speeds (including unauthorised HGV traffic).		90		Sight lines and vehicle speeds are an issue of concern and this site has been looked at due to a higher accident record. The measures would complement the work being developed in 2010-2012 for Pinkwell Lane, Hayes and would benefit pupils at the schools in that road as well as local people accessing the small parade of shops in Dawley Road immediately north of this junction.
11) Angus Drive/ The Fairway	To introduce measures to address road safety concerns; and particularly rationalised parking and an improved junction layout to reduce vehicle conflicts.	45			A petition was heard by the Cabinet Member for Planning & Transportation in March 2009, asking for improved road safety and parking arrangements. A scheme has been developed in outline, subject to funding.
12) Green Lane, Northwood (near The Glen)	To introduce measures to address road safety concerns; and particularly a request from vulnerable road users for a new zebra crossing	35	60		A petition has been presented by local members and residents in July 2010 which asked for a safer means of crossing Green Lane near the Glen. Potential to extend Green Lane 20mph zone in 2012/13.

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
13) Clifton Gardens, Hillingdon	To introduce measures to address road safety concerns; including pedestrian safety.		35		Measures to improve road safety and reduce problems associated with this dead end road which also serves as public access for Abbotsfield and Swakeleys Schools. This will complement the proposal for Abbotsfield and Swakeleys listed in 'Pedestrian corridors to and from school' for a pedestrian crossing in Long Lane to assist pedestrian safety to and from the school.
14) Borough-wide schemes	Other accident remedial schemes	90	35	305	The delivery programme is tailored to a total value of accident remedial schemes is £400k per annum in line with our historic accident analysis, implementation strategy and expenditure profile. The shortlist of accident remedial schemes will be incorporated within wider schemes wherever such initiatives are being developed.
Total Road Safety Improvements		400	400	400	

## Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
<b>2) Parking Management Schemes and associated measures</b>					
1) Residents parking schemes	To progress residents parking schemes at: 1) West Drayton/Yiewsley 2) West Ruislip 3) Hayes 4) Ickenham 5) Northwood Hills 6) Eastcote 7) Cowley 8) Hillingdon Hospital 9) Ruislip Gardens 10) South Ruislip 11) Harefield 12) Ruislip Manor 13) Oak Farm Estate 14) Hillingdon Hill	50	50	50	Parking schemes will be rolled out across the borough in response to local issues and public concerns
2) "Stop and Shop" Parking Schemes	To progress 'stop and shop' schemes at: 1) Violet Avenue 2) Merrymens Corner 3) Hayes End Drive 4) The Parade, High Rd, Cowley 5) Brakspear Road North 6) Dawley Parade	30	45	30	Stop and Shop Parking schemes will be rolled out across the town centres and shopping parades in the borough in response to local issues and concerns from businesses and residents

## Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
3) Rationalisation of resident parking in narrow residential streets	To introduce measures to address road safety concerns; and in particular schemes to address the problems of footway parking and conflicts in narrow streets including 1) Craig Drive 2) Perry Close, 3) Central Avenue, 4) Wyteleaf Close and 5) St David's Close	65	95	95	Measures will address road safety concerns associated with footway parking and narrow streets as practical solutions to a key and growing issue of concern to residents, with a high level of petitions. Work proposed in 2011/12 will deliver schemes petitioned for in 2010. Further schemes are expected to be developed in response to public demand over the remainder of the LIP period.
Total Parking Management		145	190	175	
<b>3) Bus accessibility improvement measures</b>					
1) Dawley Road near Botwell Lane	Replacement of former temporary bus stop with new stop, together with safer pedestrian access	80			A temporary bus stop in Dawley Road was removed by TfL in 2010 following concerns from local elected members. However there remains a clear demand from local residents for a safe means of accessing bus services here. Work has already been undertaken in 2010 to identify a suitable location and access arrangements with input from police and London Buses.
2). Other measures under development	Improved access to and from bus services identified through audit and studies largely completed in 2010.	30	125	125	Following a meeting in May 2010, TfL, London Buses and council officers have begun to identify a comprehensive programme of works following site audits
Total Buss Accessibility Improvements		110	125	125	
<b>4) Public footpath improvements</b>					



Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
1) London Outer Orbital Loop	Improve public footpath (U65) at River Colne: Iver Lane to Cowley Mill Road.	17.5			The route forms part of one of the Hillingdon sections of the London Loop (London Outer Orbital Path). A section of the route has suffered from illegal motorbike use. Measures include re-landscaping and definition with appropriate surface.
2) Frays River	Improve public footpath (U56 and 57) at Frays River from Braybourne Close northwards to the South Bucks borough boundary.		34.5		The route is an important link into the surrounding countryside, Grand Union Canal and Denham countryside park for residents of Uxbridge. Sections of the route are suffering from river bank erosion and surface erosion. Measures include improving and laying an appropriate surface.
3) Yeading Valley	Improve public footpath (U73) from Charville Lane to Sharvel Lane.		13.5		The route has historical significance and provides an important off road link between Hillingdon and Ealing and into the surrounding Yeading Valley countryside. There has been severe surface erosion of the route and there are muddy conditions. Measures include general improvements and laying of an appropriate surface.
4) Ancient Highway to Ruislip Woods	Improve Jackets Lane – Ancient Highway (U73) from Jackets Lane to Northwood Road.		14		The route has historical significance and provides an important off road link for recreational users into Ruislip Woods National Nature Reserve. Severe erosion of one section of surface, which is now revealing hard core base. Measures include general improvements and laying of an appropriate surface.
5) Bridleway improvements	Improve public bridleways (R190 and R189) from Copse Wood, Ruislip Woods National Nature Reserve - Ducks Hill Road to public bridleway R65.			52	The bridleway suffers from erosion of the surfaces and muddy conditions. Measures include general improvements and lay appropriate surface.

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
6) Northwood Hills footpath	Improve public footpath (R48) from Wiltshire Lane to Haste Hill Golf Course.			10	The path serves as a link into a surrounding network of footpaths onto Haste Hill Golf Course and Ruislip Woods National Nature Reserve. The path is suffering from surface erosion which has led to gullying of surface and water/aggregate run off.
Total Footpath Improvements		17.5	62	62	
<b>5) Congestion Reduction</b>					
Major transport infrastructure proposals	The measures will include a) Minor transport modelling to justify/defend proposals prepared by third parties including High Speed Rail 2 Company, Cross Rail, Airtrack and BAA b) Contribution to Heathrow Flight Ban Study from the Icelandic Ash Cloud on road traffic levels accessing Heathrow Air. This is to be led by TfL and GLA.	30	30	30	The measures will provide a robust set of data to determine future decision making on proposals for High Speed Rail 2 Company, Cross Rail, Airtrack and BAA and traffic associated with Heathrow Airport.
<b>6) Freight Management</b>					
	WestTrans support and HGVS Route Signposting	63	33	33	The measures have been submitted as part of WestTrans partnership work, joint-funded by West London boroughs

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
<b>7) Emissions Monitoring &amp; Modelling</b>					
	<p>NOx, PM10 and CO2 emission simulation through tailor-made simulation software to monitor environmental effects of LIP2 from implementation initiatives including the following:</p> <ol style="list-style-type: none"> <li>1) Area-wide travel plans</li> <li>2) Sustainable N-S Corridor</li> <li>3) Free parking for Electric Vehicles at 25+ locations</li> <li>4) Possible feasibility assessment for provision of hydrogen infrastructure (champion to be identified, scheme to be developed)</li> <li>5) Champion, development and application of sustainable checklist to quantify emission reduction benefits of transport schemes</li> <li>6) Identification and monitoring of target user groups, using techniques including website development</li> </ol>	30	30	30	<p>Projects and monitoring will be carried out as part of Hillingdon Council's commitment to 40% CO2 reduction target by 2015. Hillingdon is a pilot borough to monitor its carbon footprint and actively develop the necessary software and monitor the effect of dedicated projects to maximise effective reduction. TfL is supporting software development and good practice promotion involving CO2 footprint monitoring software developed in 2010 to develop active linkages with area-wide travel plan initiatives.</p>

## Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
<b>8) Environmental Area Noise Studies</b>					
	Heathrow Airport Area Aircraft Noise Monitoring (Borough obligation under EU's environmental noise directive to control and reduce environmental noise)	15	15	15	Hillingdon is one of the worst affected London boroughs for road traffic noise. Our local road traffic noise action plan is to mitigate high road traffic noise levels affecting residential properties by achieving reductions in outdoor road traffic noise levels. Previous LIP funding has been used to carry out initial work in preparing the action plan, and to pay for some road re-surfacing with low noise material. It is important that we are able to use LIP funding to continue with these road traffic noise initiatives.
<b>Total (Ongoing Borough Initiatives)</b>		<b>810.5</b>	<b>885</b>	<b>870</b>	
<b>GRAND SUB-TOTAL Corridors and Neighbourhoods</b>		<b>2590</b>	<b>2596</b>	<b>2596</b>	
<b>TfL ALLOCATION</b>		<b>2590</b>	<b>2596</b>	<b>2596</b>	
<b>Difference between Allocation and Grand Sub-Total Corridors and Neighbourhoods</b>		<b>0</b>	<b>0</b>	<b>0</b>	
<b>Smarter Travel</b>					
<b>1. School Travel Awareness Programme, including Monitoring and Review</b>					
	1) Walk on Wednesday	55	55	55	WoW runs in the majority of the boroughs primary schools reducing the number of cars.
	2) Prizes for Promotions	10	10	10	Prizes encourage greater participation in competitions.
	3) Resources for competitions and events	30	30	30	Building upon successful "Mapping in Action", "Feet First" "Wheelie Great Treasure Trails".
	4) Transition upgrade packs	55	55	55	Upgrade assists pupils transition from primary to secondary school
	5) Autumn School Conference to promote School Travel Plans	15	15	15	Conference is effective in strengthening constructive partnership.

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
	6) Small grants to purchase materials for implementing travel plans	40	40	40	Funds to purchase badges, pedometers, compasses etc for teaching.
	7) Grants for completing reviews and rewrites of school travel plans	40	40	40	Completed School Travel Plans assist in securing grants
	8) Feasibility work by borough engineers for schemes	20	20	20	Outline design budget to enable bidding and liaison.
	9) Signing and marking, waiting restrictions around schools and safety fencing	20	20	20	Budget for small engineering measures outside schools demonstrating commitment to working in partnership.
<b>Total</b>		<b>285</b>	<b>285</b>	<b>285</b>	

**2. Road Safety Education**

**Borough-wide Road Safety Education**

	1) The Road Safety Partnership Forum	2	2	2	For the development of the group re support and resource materials such as promotional pens, printing costs for leaflets or hire costs for event venues
	2) Campaigns	7	7	7	For advertising and promoting, and the cost of supporting some of the campaigns, with resource materials
	3) Theatre in Education	5	5	5	One tour of theatre in education for primary or secondary sector schools
	4) Student Road Safety Officers	1	1	1	Funding for initiatives by the students to promote the scheme. This may incur printing and advertising costs for poster competitions
	5) Junior Road Safety Officers Material	9	9	9	Resource materials for 80 Junior Road Safety Officers in schools and accident analysis support

Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
	6) Moving On programme	3	3	3	Resource booklet for all year 6 & 7 students in the boroughs primary and secondary schools
	7) Young Drivers programme	3	3	3	Resources available to run a programme of schools education and driver workshops to reduce the level of casualties to 17 – 25 year olds drivers
	8) Walking Programme	7	7	7	Budget to facilitate the training of all year 3 children, and on request years 2 and 4 children in practical pedestrian training through casual employees working directly with the schools
	9) Cycling Programme Bikeability	70	70	70	Budget to continue to support the programme where 1750 children are trained to this national recognised standard
	10) Adult Cycle Training	20	20	20	Budget to continue to support the training of borough residents with up to 4 hours provided by the borough's appointed training provider.
<b>Total</b>		<b>127</b>	<b>127</b>	<b>127</b>	
<b>3. Borough Wide Modal Change Promotion</b>					
1) Borough-wide Travel Plan Monitoring	External workplace Travel Plan Monitoring	20	20	20	Results will enable impact assessment on Council-wide carbon footprint reduction
2) Electric Vehicles	Electric vehicle scheme modelled on the type introduced in central London	27	27	27	TfL and LB Hillingdon have been liaising on converting existing charging points to comply with London-wide standards and increase number of charging points in the borough
3) Active Travel promotional events	To promote Party in the Park and organise Try Cycling, Led-rides, Dr Bike at work place events	30	30	30	The measures will continue successful annual events to promote sustainable transport options

## Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
<b>Total</b>		77	77	77	
<b>GRAND SUB-TOTAL Smarter Travel</b>		<b>489</b>	<b>489</b>	<b>489</b>	
<b>TfL ALLOCATION</b>		<b>489</b>	<b>489</b>	<b>489</b>	
<b>Difference between Allocation and Grand Sub-Total Smarter</b>		<b>0</b>	<b>0</b>	<b>0</b>	
<b>£100k for Local Transport Projects</b>					
1) Dawlish Drive, Ruislip	Lady Bankes Infant & Junior: Traffic calming measures including raised crossing and formalisation of informal one-way operation	50	0	0	Implement design as agreed with stakeholders
2) Kingshill Avenue, Hayes	Hayes Park Primary: To introduce measures to address pedestrian safety concerns, such as pedestrian crossing in Kingshill Avenue in the locality of Bradenham Road and Frogmore Avenue; speed and parking restrictions.	50	0	0	The measures will improve pedestrian safety and encourage pupils, parents and staff to walk to school, as outlined in the School Travel Plan.
3) Local Transport future schemes	Details to be agreed in 2011/12	0	100	100	Specific schemes will be identified and agreed in 2011/12.
<b>Total</b>		<b>100</b>	<b>100</b>	<b>100</b>	

## Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
<b>Major Schemes</b>					
1) Yiewsley/ West Drayton High Street	Package of measures to upgrade the shopping environment	£2.4m			Scheme will assist in regenerating the area, reduce the vacancy rate, improve shopping environment and safety
2) Hayes Bus/Train Interchange, Hayes Town Centre Semi-Pedestrianised Scheme, Station Road eastside footway.	Package of measures to upgrade the town centre environment		£2.0m	£2.5m	Measures will include footway realignment, construction of new public realm, possibly partnership-led building construction works, construction of canal towpath / highway interchange, dedicated pedestrian/cycle facilities, delivery access provision. It is proposed to extend the project to Coldharbour Lane between Pump Lane and Minet Drive as a second phase.
3) Ruslip Manor	Package of measures to increase the vitality and viability of the local shopping centre		£1.0m	£2.2m	The scheme is to increase the vitality and viability of the local shopping centre by upgrading the environment in a holistic manner and to address issues raised by shoppers, pedestrians, school representatives local residents and other stakeholders.
<b>Total</b>		<b>£2.4m</b>	<b>£3.0m</b>	<b>£3.7m</b>	
<b>Maintenance - Principal Road Renewal</b>					
1) Duck's Hill Road	A4180 from Drakes Drive to Northgate	153	0	0	Undertaking these works will improve the Borough's Principal Road Network to ensure that roads are in a safe condition for all roads users
2) Rickmansworth Road	A404 from Green Lane to Murray Road	250	0	0	
3) West End Road	A4180 from Grosvenor Vale to Wood Lane	130	0	0	
4) West End Road	A4180 from Bridge Water to Sidmouth Drive	200	0	0	



Appendix 1 - LIP Submission

Location	Description of Proposal	2011-12	2012-13	2013-14	Comments
5) Future Principle Road Renewal schemes	Specific projects are to be confirmed in 2011/12		800	800	
<b>GRAND SUB-TOTAL 3</b>		<b>733</b>	<b>800</b>	<b>800</b>	
<b>TfL ALLOCATION</b>		733	unknown	unknown	
<b>Difference between Allocation and Grand Sub-Total 2</b>		0	unknown	unknown	