NATIONAL TRANSPORT AUTHORITY

2011 Report

Regional Cities

Jobs Initiative Schemes Bus Priority and Park & Ride Projects





Contents

Introduction	3
Cork City	4
Jobs Initiative Projects;	4
Bus Priority and Park & Ride	6
Galway City	7
Jobs Initiative Schemes:	7
Bus Priority Park and Ride;	9
Galway County	10
Bus Priority Park and Ride;	10
Limerick City	11
Job Initiative Schemes:	11
Bus Priority and Park and Ride;	13
Limerick County	14
Job Initiative Schemes:	14
Bus Priority and Park and Ride;	15
Waterford City	16
Jobs Initiative Projects;	16
Bus Priority and Park & Ride	18



Introduction

Funding of €10.6 million was provided by the Department of Transport, Tourism & Sport during 2011 to the regional cities, in relation to various traffic management, bus priority and sustainable transport projects. A total of €4.99 million was invested in construction and implementation of sustainable transport measures under the *Jobs Initiative Scheme* and €5.61 million was invested in *Bus Priority and Park & Ride* projects, with both grant programmes administered by the National Transport Authority, on behalf of the Department.

The funds were distributed between six Local Authorities, namely;

- Cork City Council
- Galway City Council
- Galway County Council
- Limerick City Council
- Limerick County Council
- Waterford City Council

2011	Bus Priority & Park & Ride Fund	Jobs Initiative Fund
Local Authority	Total Spend 2011	Total Spend 2011
Cork City Council	€1,174,875	€1,469,695
Galway City Council	€2,291,767	€481,596
Galway County Council	€358,680	-
Limerick City Council	€98,735	€1,529,348
Limerick County Council	€887,660	€415,187
Waterford City Council	€799,185	€1,093,275
Total	€5,610,902	€4,989,101

This report will outline the sustainable and public transport measures implemented in each of the Local Authorities highlighting the specific projects that have received investment from the above allocations.

Cork City

A combined total of €2,644,570 was invested in sustainable and public transport projects in Cork City in 2011.

Funding comprised of €1,469,694 for the Jobs Initiative Grant and a further €1,174,875 for the Bus Priority and Park and Ride Grant. This investment has successfully delivered significant improvements for pedestrians, cyclists and users of public transport in the city region.

The following paragraphs outline in brief how the total sum was deployed to various projects to enhance the infrastructure in Cork City.

Jobs Initiative Projects;

Pedestrian Crossings & Counting Facilities

Investment; €166,804 + €145,444



Old Youghal Road - Signalised Pedestrian Crossing

This project provided 2 new pedestrian crossings and 3 controlled zebra crossings at three locations. These pedestrian facilities improve safety and access in the vicinity to local amenities, such as Cork City Library on the Old Youghal Road. Also, this new infrastructure provides for pedestrians where there were previously no facilities for pedestrians and the mobility impaired and disabled to traverse the junctions.

Pedestrian counting facilities have been installed at seven key locations around the city centre to measure pedestrian volume and demands. This will allow better foundation and guidance for Traffic Management Strategies which are under development.



Pedestrian Detector on traffic light - St. Patricks

Freight Signs Management & Kent Interchange & Interchange Workshop

Investment; €71,763



Sign 11; Southbound Route

This project comprised the design, provision and installation of directional signs for heavy goods vehicles (HGV's,) linking the industrial estates around the North and South perimeter of the city.

The signposting of HGV's along the national roads is aimed at reducing the congestion and associated negative environmental impacts on city centre streets in Cork.



Boreenmanna Rd Improvement

Investment; €122,500

This project commenced in 2011, for completion in 2012. It will provide pedestrian facilities at a dangerous location, where there are currently no footpaths. The carriageway has been widened to allow the introduction of a cycle lane and a new footpath, providing a significantly safer environment for pedestrians, cyclists and traffic alike.



Boreenmanna Road - under construction

Cork Cycle Network - Phase 1

Investment; €402,384

In 2011, Cork City Council introduced the first phase of their Cycle Network strategy which is between the City Centre and the suburb of Douglas, to the south-east. The objective of the strategy is to promote cycling as a sustainable mode of transport by providing a direct, safe and coherent infrastructure to encourage a modal shift from modes of private transport. The cycle Network is being implemented in accordance with the National Cycle Manual.



Cycle Lanes - Anglesea Road. With flow and Contraflow

Sunvalley Drive

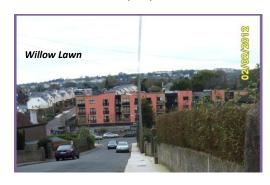
Investment; €290,800

This project has significantly improved safety for pedestrian movement in the area with the introduction of reduced speed limits and further traffic calming measures such as raised platforms signage, improved road markings and narrower general traffic lanes.

Footpath renewal schemes

Investment; €270,000

Cork City Council identified 18 locations with a requirement for the reconstruction of certain defective sections of footpath. This project provided a safer, more accessible environment for pedestrians, the mobility impaired and disabled.





Bus Priority and Park & Ride

Ballincollig Green Route

Investment; €907,637

The project commenced on site in 2008. It provides a bus priority scheme from the satellite town of Ballincollig to Cork City Centre. 2011 saw the conclusion of the construction stage and the completion of the traffic management systems associated with the Quality Bus Corridor. The prominent objective of the project has been to significantly enhance the effectiveness, efficiency and quality of public transport and to encourage a modal shift away from private transport.



Ballincollig Main Street

Carrigrohane Park & Ride

Investment; €267,238

The Cork Area Strategic Plan 2008 identified the potential requirement of locating a second significant Park & Ride facility to the west of Cork city centre. In 2011 Cork City Council carried out a detailed design of a Park & Ride facility located adjacent to the Carrigrohane Road. The project now has contract documents prepared for the construction stage.

Cork City Council	
Bus Priority and Park and Ride Programme	
Schemes:	2011 Grant Amount:
Ballincollig Green Route	€907,637
Carrigrohane P&R	€267,238
Subtotal	€1,174,875
Jobs Initiative Pi	rogramme
Schemes:	2011 Grant Amount:
Pedestrian Crossings	€166,804
Pedestrian Counting facilities	€145,444
Freight Signs Management & Kent Interchange & Interchange Workshop	€71,763
Boreenmanna Rd Improvement	€122,500
Cork Cycle Network – Phase 1	€402,384
Sunvalley Drive	€290,800
Footpath renewal schemes	€270,000
Subtotal	€1,469,695

Total	€2,644,570
-------	------------



Galway City

A grand total of €2,773,363 was invested in the construction and implementation of sustainable transport measures in Galway City in 2011. Funding comprised €2,291,767 from the Bus Priority and Park and Ride Grant and a further €481,596 from the Jobs Initiative Grant. The investment has successfully delivered significant improvements for pedestrians, cyclists and users of public transport in the city region.

Jobs Initiative Schemes:

Galway City Urban Traffic Management and control Centre (UTMC)

A total of €167,902 was invested in the construction of a new UTMC Integrated Control Centre within the Galway City Council buildings. The centre houses all the operating equipment for the UTMC including workstations, display screens, seating for operatives and external agencies. Management of the City's new SPOT-UTOPIA traffic control system is from this control centre as well as the monitoring of the Council's electronic street equipment and VMS/Parking Guidance System. As well as bringing benefits to overall traffic management in the city, the system will facilitate the provision of bus priority at traffic signals, as well as the provision of greater priority to walking and cycling.



Galway Urban Traffic Management and Control Centre

Galway UTC Signal Upgrades

A total of €103,735 was invested in the upgrade of 9 key junctions on the Dublin Road Corridor and the updating of communications to an additional 19 junctions across the City. The 9 key junctions required additional detection equipment as well as upgrade communications. The corridor is now undergoing signal optimisation via the SPOT-UTIOPIA operating system. The scheme is in line with the Galway Strategic Bus Study and the Galway Public Transport Feasibility Study.



Eyre Square - Junction Upgrade

Galway City (East) VMS/Car-Park Guidance

A total of €209,595 was invested in the first phase of the Galway City VMS/Parking Guidance project. This involved the installation of 6 VMS/Parking Guidance signs on key eastern approach routes to the city. The signs provided are Full Matrix, 128 x 96 pixels, 14.50mm pixel pitch, Ultra Bright Red & White Leds with 3G Communications. The signs will allow the dissemination of information to drivers on availability of car parking, traffic incidents, journey times and other information which can be used to influence driver behaviour and allow them make informed decisions, resulting in less congestion and better use of resources.





Galway City VMS Signs

Galway Transportation Unit

A total of €291,796 was invested in 2011 in the Galway Transportation Unit (GTU) which continued the work of promoting the development of improved traffic management and sustainable travel through a range of works and initiatives, including:

- Seamus Quirke Road improvement scheme
- Progressing the Draft of the Walking and Cycling Strategy
- Continuation of work with An Taisce in the area of the Green Schools travel programme
- Continuation of work on Mobility Management Plans with key employers and stakeholders in the City
- Provision of new bike stands
- Continuation of the City Council programme for the provision and upgrade of new bus shelters
- Continuation of annual programme of traffic surveys and maintaining Saturn Traffic Model for the City

Other schemes on which work was carried out in 2011 included:

- Development of proposals for a short section of new bus lane on Rahoon Road and obtaining Part 8 planning approval
- National launch event for National bike week 2011 and , working with Galway County Council, the development of a full programme of works in the City and county for Bike Week
- Hosting a trial "Cyclovia" type event in the City
- Finalising the design and procuring a new UTMC system for the City, including the 1st phase of its installation in 2011
- Design and procurement of phase 1 of VMS signage on Eastern environs of the City
- Engaged with car park operators in the City to develop proposals for parking guidance system
- In conjunction with the NRA, implementing and managing the roll out of the N6 Multi modal corridor improvement scheme which involves the replacement of roundabouts on the N6 and their replacement with signalised junctions incorporating improved facilities for cyclists and pedestrians.
- In conjunction with NUIG finalising the design and progress to procurement and construction for the new Eglinton Canal footbridge.
- Upgrades on controllers at existing signalised junctions so as to be compatible with UTMC system.
- Speed limit review and developed proposals for 30Km/h in City Centre.



Bus Priority Park and Ride;

Seamus Quirke Road Scheme

A total of €1,999,971 was invested in this scheme in 2011. The scheme commenced on site in September 2010 and is due for completion in March/April 2012. It comprises of a new road configuration to include 1.6km of bus lane in each direction along with 1.6km of cycle track in each direction. The scheme includes upgrade/installation of 8 Bus Stops, the upgrade/construction of 5 pedestrian facilities and the upgrade of 4 signalised junctions. The scheme significantly promotes sustainable transport through greater use of public transport, cycling and walking facilities.



Seamus Quirke Road Scheme (Under Construction)

Galway City Council		
Bus Priority and Park and Ride Programme		
Schemes:	2011 Grant Amount:	
Seamus Quirke Road Scheme	€1,999,971	
Galway Transportation Unit	€291,796	
Subtotal	€2,291,767	
Jobs Initiative Programme		
Schemes:	2011 Grant Amount:	
Galway City Urban Traffic Management and control Centre (UTMC)	€167,902	
Galway UTC Signal Upgrades	€103,735	
Galway City (East) VMS/Car-Park Guidance	€209,959	
Subtotal	€481,596	

Total	€2,773,363



Galway County

Bus Priority Park and Ride;

N17 Bus Corridor, Claregalway

Payment of €358,680 was made to Galway County Council in relation to the bus corridor to the north and south of Claregalway. The scheme comprises of a total of 3.42km of bus corridor carried out in two contracts. The 1.8km northern contract was completed in May 2009 and the southern contract was completed in August 2008. This payment related to outstanding contractual issues which had been resolved between the council and the relevant contractor.

Galway County Council	
Bus Priority and Park and Ride Programme	
Schemes:	2011 Grant Amount:
N17 Bus Corridor, Claregalway	€358,680
Total	€358,680



Limerick City

A total of €1,628,082 was invested in the construction and implementation of sustainable transport measures in Limerick City in 2011. Funding comprised €1,529,347 from the Jobs Initiative Grant and a further €98,735 from the Bus Priority and Park and Ride Grant. The investment has successfully delivered significant improvements for pedestrians, cyclists and users of public transport in the city region.

Job Initiative Schemes:

10 Variable Message Signs and 26 Parking Guidance Signs.

A total of €826,379 was invested in the 10 VMS and 26 PGS project. The VMS is an effective means of disseminating strategic information to en-route commuters including drivers, cyclists and pedestrians. The VMS is also an effective tool in managing the reduction of congestion associated with events and incidents on the road network. The scheme is also used for the promotion of Road safety messages by Gardaí.



Variable Message Signs

The Parking guidance signs has many traffic management benefits to the environmental including the reduction of circulation traffic and reduction of emissions.



Parking Guidance Signs

Cycle and pedestrian ramps from O'Callaghan Road and Condell Road walking and cycling facilities.

A total of €277,031 was invested in the construction of the cycle and pedestrian ramp at O'Callaghan Road at the Shannon Bridge and the walking and cycling route at Condell Road. The ramp connects two existing cycle and pedestrian routes including the Condell Road route. The 720m of 3m off road cycle and pedestrian track was constructed to complete a continuous route between Coonagh area and the City Centre.



Cycle and Pedestrian Ramp



Condell Road cycle and pedestrian route



Cycle Network Hazard Improvements

€131,704 was invested in the provision of cycle network hazard improvements to improve the safety of existing facilities for cyclist throughout Limerick City Centre. These will help facilitate the safe passage of cyclists through the city. The scheme will improve facilities for cyclists and thus encourage a modal shift to the more environmentally friendly cycling mode.

Pedestrian Upgrades to MID

A total of €112,954 was invested in the upgrade of 4 pelican crossings to fully signalised crossings and the upgrade and improvement of 19 pedestrian crossings with tactile paving, push button units, pedestrian detection and drainage etc. The improvements enhance road safety for pedestrians and vulnerable road users. Other benefits include energy efficiencies, reduced maintenance costs and reduced traffic delays.

Provision of Advance Cycle Stop Lines

€84,766 was invested in the provision of advanced stop lines for cyclists at 19 signalised junctions in the city centre - to facilitate the safe passage of cyclists through these junctions. The scheme will assist in encouraging a modal shift to the more environmentally friendly cycling mode.



Advance stop lines

Traffic Control Room

A total of €37,228 was invested in the Adaptive Urban Traffic Control System (AUTU) which incorporates the following systems: Traffic Signal Controls, Bus priority Signal Fault Management Systems, Optic fibre Network Termination, PGS and VMS and Traffic CCTV Monitoring System. The room will allow the traffic controllers to manage traffic including peak traffic, emergency incidents and event management.



Traffic Control Room

Public Transport Way Finder Signage

A total of €26,260 was invested in the provision of directional and advance directional signage to Limerick City Bus and Rail Terminal Colbert Station and also the provision of way finding signage at the bus and train station to the city centre and at major bus stops. The aim is to encourage a modal shift to the more environmentally friendly pedestrian, cycling and public transport modes.





Way Finder Signage

Speed Warning Control Signs

€25,765 was invested in the installation of 10 electronic speed activated radar warning signs. The scheme will reduce the occurrence of traffic speed violations on roads throughout Limerick City. This will ensure that the urban environment is safer for walkers and cyclists and will reduce the incidence of speed related accidents.

Orbital Route Phase 2 provisions, directional and lane assignment signs

€7,260 was invested in providing advance directional signs and lane assignment signs on and adjacent the inner orbital route. The scheme improves lane discipline and circulation, reducing energy consumption and vehicle emissions. The scheme will also assist in traffic management enforcement and improve road safety and driver awareness.

Bus Priority and Park and Ride;

Southern Green Route Phase 1

A total of €53,823 was invested in the completion of the detail design, the tender documents and the planning Part 8 process of the proposed inbound bus lane on the Ballinacurra Road. The Part 8 process was completed and approved in 2011. It is proposed to commence construction in 2012.

Eastern Green Route Phase 2

A total of €44,912 was invested in the planning process of the scheme. Due to the extents of the scheme Bord Pleanala approval is required.

Southern Green Route Phase 1 Eastern Green Route Phase 2 Subtotal Job Initiativ Schemes: Public Transport Way finder Signage Speed Warning Control Signs	
Schemes: 2 Southern Green Route Phase 1 € Eastern Green Route Phase 2 € Subtotal	2011 Grant Amount: €53,823 €44,912
Southern Green Route Phase 1 Eastern Green Route Phase 2 Subtotal Job Initiativ Schemes: Public Transport Way finder Signage Speed Warning Control Signs	€53,823 €44,912
Eastern Green Route Phase 2 Subtotal Job Initiativ Schemes: Public Transport Way finder Signage Speed Warning Control Signs	€44,912
Subtotal Job Initiativ Schemes: 2 Public Transport Way finder Signage Speed Warning Control Signs €	
Job Initiativ Schemes: 2 Public Transport Way finder Signage Speed Warning Control Signs €	€98,735
Schemes: 2 Public Transport Way finder Signage Speed Warning Control Signs €	
Schemes: 2 Public Transport Way finder Signage Speed Warning Control Signs €	
Public Transport Way finder Signage Speed Warning Control Signs €	ve .
Signage Speed Warning Control Signs €	2011 Grant Amount:
Speed Warning Control Signs €	€26,260
	€25,765
Cycle & Pedestrian Access	
Ramp from O'Callaghan St and Condell Rd Walking & Cycling €	€277,031
Facility	
Cycle Network Hazard €	€131,704
Improvements	
Regulate pedestrian upgrades	€112,954
to W.I.D. Standards	,
Orbital Route Phase 2 Provisions, directional & lane	€7,260
assignment signs	e7,200
10 VMS & 26 Parking Signs	6026 270
Provision of cycle advance stop	€826,379
lines at key junctions	€84,766
Traffic Control Room €	€37,228
Subtotal €	€1,529,348
Total €	•



Limerick County

A grand total of €1,303,105 was invested in the construction and implementation of sustainable transport measures in Limerick County in 2011. Funding comprised €415,445 from the Jobs Initiative Grant and a further €887,660 from the Bus Priority and Park and Ride Grant. The investment has successfully delivered significant improvements for pedestrians, cyclists and users of public transport in the city region. Total number of Man hours or days all schemes below: Estimated between 4000 and 5000 man days. Overall 6 Pedestrian crossings were newly constructed and 12 upgraded. 10km of Cycle lane was improved at various locations across the network and 1km of cycle lane was constructed.

Job Initiative Schemes:

Golf Links Road

A total of €295,000 was invested to construct 140 m of footpath linking the Golf Links Road with the R445. The works include footpath construction, setting back boundaries of gardens and associated accommodation works, public lighting, traffic calming, relocation of services, signage etc. This scheme provides a footpath on a very busy distributor road connecting the housing estates of Castletroy with the University, Shopping Centres, sports facilities and access to the Green Bus Route on the R445. Traffic calming is included to facilitate both pedestrians and cyclists.



Golf Links Road

Bus shelter Programme

A total of €55,000 was invested in the provision of bus shelters and bus/cycle shelters at strategic locations on the major bus routes in the city environs. The scheme promotes the use of public transport, cycling and walking.



Bus shelter programme

Groody Road and Kilmurray Road

A total of €14,893 was invested improving junctions, footpaths and cycle lanes. Improvements were carried out along 2.8km of cycle lane on Groody and Kilmurray Road. All existing pedestrian crossings along the route were upgraded. The investment has successfully delivered significant improvements for pedestrians, cyclists and users of public transport in the area.



Groody Road and Kilmurray Road



Pedestrian and Cycle Info

A total of €13,762 was invested in the provision of clear signage detailing distances and expected travel times to the City Centre and nearby landmarks by the various sustainable transport modes relative to the car. The aim is to encourage a modal shift to the more environmentally friendly pedestrian, cycling and public transport modes. Being a relatively compact City is an advantage here. The majority of housing/schools are within 5KM of the City Centre. Outlining the distances and expected cycle times from all locations to the Centre will really 'drive' home the message that cycling/walking into and around the City is quick and easy.



Pedestrian and Cycle Info

Pedestrian & Cycle Crossing

A total of €36,532 was invested in the upgrade of un-signalised crossings to fully signalised crossings. The improvements enhance road safety for pedestrians, cyclists and vulnerable road users.

Bus Priority and Park and Ride;

R445 Dublin Road Green Route Phase 2

A total of €887,660 was invested in the construction of the 1km of bus lane, cycle lane and footpath along the R445 between Annacotty Roundabout and Cappamore Junction. The scheme promotes the use of public transport, cycling and walking.



R445 Dublin Road Green Route Phase 2

Limerick County Council		
Bus Priority and Pa	Bus Priority and Park and Ride	
Schemes:	2011 Grant Amount:	
R445 Dublin Road Green Route	€887,660	
Phase 2		
Subtotal	€887,660	
Job Initiative		
Schemes:	2011 Grant Amount:	
Groody Road & Kilmurray Road	€14,893	
Bus Shelter Programme	€55,000	
Golf Links Road	€295,000	
Pedestrian & Cycle Crossing	€36,532	
Pedestrian Cycle Information	€13,762	
Subtotal	€415,187	
Total	€1,302,847	



Waterford City

A grand total of €1,892,460 was invested in the construction and implementation of sustainable transport measures in Waterford City in 2011. Funding comprised €1,093,275 million from the Jobs Initiative Grant and a further €799,185 from the Bus Priority and Park and Ride Grant. The investment has successfully delivered significant improvements for pedestrians, cyclists and users of public transport in the city region.

Jobs Initiative Projects;

Bus and cycle routes surface upgrade.

€501,253 was invested in the upgrade and resurfacing of strategic commuter bus and cyclist routes in the City and its environs. Measures included localised repairs to the road surface at numerous locations thus improving the ride quality and safety on these busy streets.



Surface Upgrade of Cycle Route



Surface Upgrade of Bus Route

Cycle Network Improvements

€20,657 was invested in the provision of advanced stop lines for cyclist at signalised junctions in the city centre - to facilitate the safe passage of cyclists through these junctions. These will help facilitate the safe passage of cyclists through these junctions. The scheme will improve facilities for cyclists and thus encourage a modal shift to the more environmentally friendly cycling mode.

Traffic Calming at Schools

€171,385 was invested in speed tables, signage and high visibility anti-skid surfacing in the vicinity of schools. These improvements will contribute to reduced speeds on the approaches to schools with a consequent increase in safety for children crossing at these locations.



Traffic Calming at Schools

Cycling and Pedestrian Wayfinding Signage

€11,258 was invested in the provision of clear signage detailing distances and expected travel times to the City Centre and nearby landmarks by the various sustainable transport modes relative to the car. The aim is to encourage a modal shift to the more environmentally friendly pedestrian, cycling and public transport modes. Being a relatively compact City is an advantage here. The majority of housing/schools are within 4.5KM of the City Centre. Outlining the distances and expected cycle times from all locations to the Centre will really 'drive' home the message that cycling/walking into and around the City is quick and easy



Diagonal pedestrian Crossings

The investment of €29,333 in the provision of the diagonal crossing and dishing of footpaths at the cross roads of Parnell Street and Johns Street, will provide improved pedestrian linkages with the shopping area in Railway Square, (Tesco, TK Maxx and Storm Cinema) and the rest of the City centre shopping areas. This junction is also the centre for nightlife in Waterford City with numerous revellers crossing from the pubs and nightclubs located on the 4 corners of the junction. The all - pedestrian phase of junction provides the option to cross diagonally across the junction in one phase rather than crossing in two phases.

Pedestrian Accessibility

The investment of €59,389 in the construction of new footpaths has provided new direct links along 'desire lines' from residential areas to public transport links and trip attractors such as Waterford Institute of Technology.



Pedestrian Footpath linking Ballybeg with Cork Road Bus Stop and Waterford Institute of Technology.



Bus Priority and Park & Ride

South Quays Green Route - Phase 1A & 1B

A total of €799,185 was invested in the South Quays Green Route (Phase 1A) under the Bus Priority and Park & Ride programme. €300,000 was invested in the South Quays Green Route (Phase 1B) under the Jobs Initiative Fund. The project aims to return the multifunctional streets to the people through the implementation of an inclusive, safe and highly accessible streetscape environment that connects spaces with permeable linkages which enhance pedestrian, cyclist and public transport accessibility in parallel to retaining sustainable mobility levels that support the commercial, social and cultural vitality of the city centre.

The scheme highlights include the rededication of road space, from a 4-lane road to a 2-lane road with dedicated bicycle and bus lanes. The reduction in road width coupled with the provision of high quality paving gives a much improved pedestrian realm. The inclusion of a central median has improved safety for all road users, particularly pedestrians wishing to cross the road.



South Quays Green Route – Widened Footpath

Contract 1a and 1b, from Colbeck Street to

Conduit Lane, were completed in 2011. Contact 1c,
which is due to start shortly, will extend these
works along the entire quays to Rice Bridge.

Waterford City	/ Council
Bus Priority and Park and Ride Programme	
Schemes:	2011 Grant Amount:
South Quays Green Route – 1A	€799,185
Subtotal	€799,185
Jobs Initiative Pi	rogramme
Schemes:	2011 Grant Amount:
South Quays Green Route – 1B	€300,000
Bus & Cycle routes surface upgrade	€501,253
Cycle Network Improvements	€20,657
Traffic Calming at schools	€171,385
Cycle & Pedestrian Wayfinding Signage	€11,258
Diagonal Pedestrian Crossings	€29,333
Pedestrian Accessibility	€59,389
Subtotal	€1,093,275

Total	€1,892,460
-------	------------