

The City of Edinburgh Council

Road Safety Plan 2020

Working Towards Vision Zero

February 2010

Halcrow Group Limited

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City Park, 368 Alexandra Parade, Glasgow G31 3AU, Scotland
Tel +44 (0)141 552 2000 Fax +44 (0)141 552 2525
www.halcrow.com

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Road Safety Plan 2020

Working Towards Vision Zero

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City Park, 368 Alexandra Parade, Glasgow G31 3AU, Scotland

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1 Foreword

The City of Edinburgh Council is committed to providing a safe and modern road network for the 21st Century.

Building on the Scottish Government's Road Safety Framework ¹and the Council's Transport 2030 Vision ²and Single Outcome Agreement³, the Council and its Partners developed this *Road Safety Plan for Edinburgh to 2020*, as a focus for all road safety activity in the city.

At the core of the plan is the Vision that the Council and its Partners will:

Work towards Vision Zero and the provision of a modern road network where all users are safe from the risk of being killed or seriously injured

Developed by Dr Tingvall⁴ in Sweden, Vision Zero is based on the premise that human life cannot be balanced against cost.

¹ Scotland's Road Safety Framework to 2020

² The City of Edinburgh Council's Transport 2030 Vision

³ The City of Edinburgh Council's Single Outcome Agreement 2008-11

⁴ Vision Zero (1999) - An ethical approach to safety and mobility. Claes Tingvall and Narelle Haworth Monash University Accident Research Centre

While the cost of implementing a policy with such wide ranging implications may appear to be unaffordable, significant savings are achievable.

The 2006 Department for Transport report titled *Vision Zero: Adopting a Target of Zero for Road Traffic Fatalities and Serious Injuries*, noted that the UK economy as a whole would receive "a 10-year stream of benefits that can be valued at £111 billion" from the implementation of Vision Zero.

The Council is actively working towards Vision Zero and a significant step forward has been taken with the publication of this Road Safety Plan.

Providing the people of Edinburgh with value for money has always been a key driver for the Council. In the current financial climate the Road Safety Plan's challenging Vision will be achieved through the Council working with its Partners to ensure the effective targeting of limited resources.

The Council and its Partners have worked together to develop the Plan, ensuring it will act as a focus for all road safety activity in Edinburgh through a series of interventions.

These high level commitments by the Council and its Partners will target resources where they

will have the greatest impact on the number of people killed or seriously injured on Edinburgh's roads. The issue of social and geographical inequality across the city is a focus of many of the Plan's interventions.

The Plan will only retain its relevance and effectiveness if it is regularly updated. On an annual basis the previous year's casualty figures will be analysed to identify trends and patterns.

A major review of the plan will be carried out bi-annually. Such reviews will measure progress on the interventions, and ensure the plan reflects current Government and Council policies, as well as the prevailing economic conditions.

Personal statement from Councillor Mackenzie

Personal statement from Marshall Poulton

2 Objectives and Key Priorities

The objectives were developed by the Council and its Partners to ensure only those interventions actively contributing to Edinburgh's road safety vision were included in the Plan.

The following provides a brief summary of the nine objectives used to assess interventions for inclusion in the Plan, as outlined in Appendix A.

Data Management / Analysis - Data to be managed, analysed and based on auditable information rather than on perceived issues.

Healthy / Active Travel - The development of active travel and healthier living will be encouraged and promoted, especially in areas of social deprivation.

Network Management - Develop and maintain a modern and safe road network for the 21st Century.

Partnership Working - New partnerships will be formed, and existing partnerships developed, to ensure efficient delivery.

Publicity / Promotion - New and existing publicity campaigns will be used to encourage the safe and efficient use of the road network.

Speed Management - Vehicle speeds will be managed to reduce the potential for collisions as well as their severity.

Technology - The use of new and improved technology will contribute towards road safety improvements.

Tram - Contribute to the safe and efficient running of, and interaction with, the Tram.

User Behaviour - Road safety on the road network will be improved through sensible behaviours of road users.

Edinburgh's key priorities were identified from both a detailed analysis of the 2004 – 2008 casualty data and consultation with the Council's Partners and other stakeholders including user groups, to ensure the interventions target those most at risk of being killed or seriously injured on Edinburgh's roads.

Children and Young People

An analysis of the latest available casualty data (2008) shows a 56% reduction in the number of children killed or seriously injured on Edinburgh's roads since 2000.

Despite this success children remain particularly vulnerable to injury due to their lack of experience, their potential for impulsiveness, and the ease with which they can become distracted.

The continued reduction in the number of children killed or seriously injured on Scotland's roads is also a key element of the Scottish Government's Road Safety Framework.

Cyclists

Between 2004 and 2008 139 cyclists were killed or seriously injured on Edinburgh's roads.

When compared to the 130 car drivers and 128 motorcycle riders killed or seriously injured over the same period, it shows the vulnerability of cyclists.

Drivers

22% of all people killed or seriously injured and 42% of all casualties between 2004 and 2008 were car drivers or passengers.

Analysis of data indicates that car drivers are more likely to be killed or seriously injured due to speeding and inappropriate driver behaviour than from any other cause.

Elderly People

While those aged 60 and over account for 19% of the population of Edinburgh, it is considered likely that the percentage of those in this age group who actively use the road network is significantly lower.

Nevertheless with 18% of all those killed or seriously injured falling into this age group it can be seen that the elderly are at particular risk.

Impairment

The Council is dedicated to addressing the difficulties experienced by those with mobility impairment who use the road network.

This existing commitment has been given particular focus through the Disability Discrimination Act 2005.

Infrastructure

The provision of a modern and efficient road network for the 21st century will allow its use safe from the risk of being killed or seriously injured.

Motorcyclists

There were 128 motorcyclists killed or seriously injured between 2004 and 2008 on Edinburgh's Roads. The vulnerability of motorcyclists is clearly shown when this is compared with the number of car drivers killed or serious injured (130) between 2004 and 2008.

Pedestrians

Pedestrians account for 42% of all those killed or seriously injured but only 23% of all injury incidents on Edinburgh's roads between 2004 and 2008.

This disparity between those killed and seriously injured and all injury incidents highlights the particular vulnerability of pedestrians.

Speed

Research ⁵has shown that where a pedestrian is struck by a car travelling at 20mph, over 9 out of 10 people will survive. However, if a pedestrian is struck by a car travelling at 30mph 8 out of 10 people will be killed while 9 out of 10 people will be killed if the car is travelling at 40mph.

⁵ New Directions in Speed Management: A Review of Policy, DETR, 2000

Tram

The introduction of the Tram and the amendments to Edinburgh’s road network will radically change the traffic patterns in the city. It is essential that any such changes are harnessed so as to contribute towards meeting Edinburgh’s road safety vision.

Vehicles

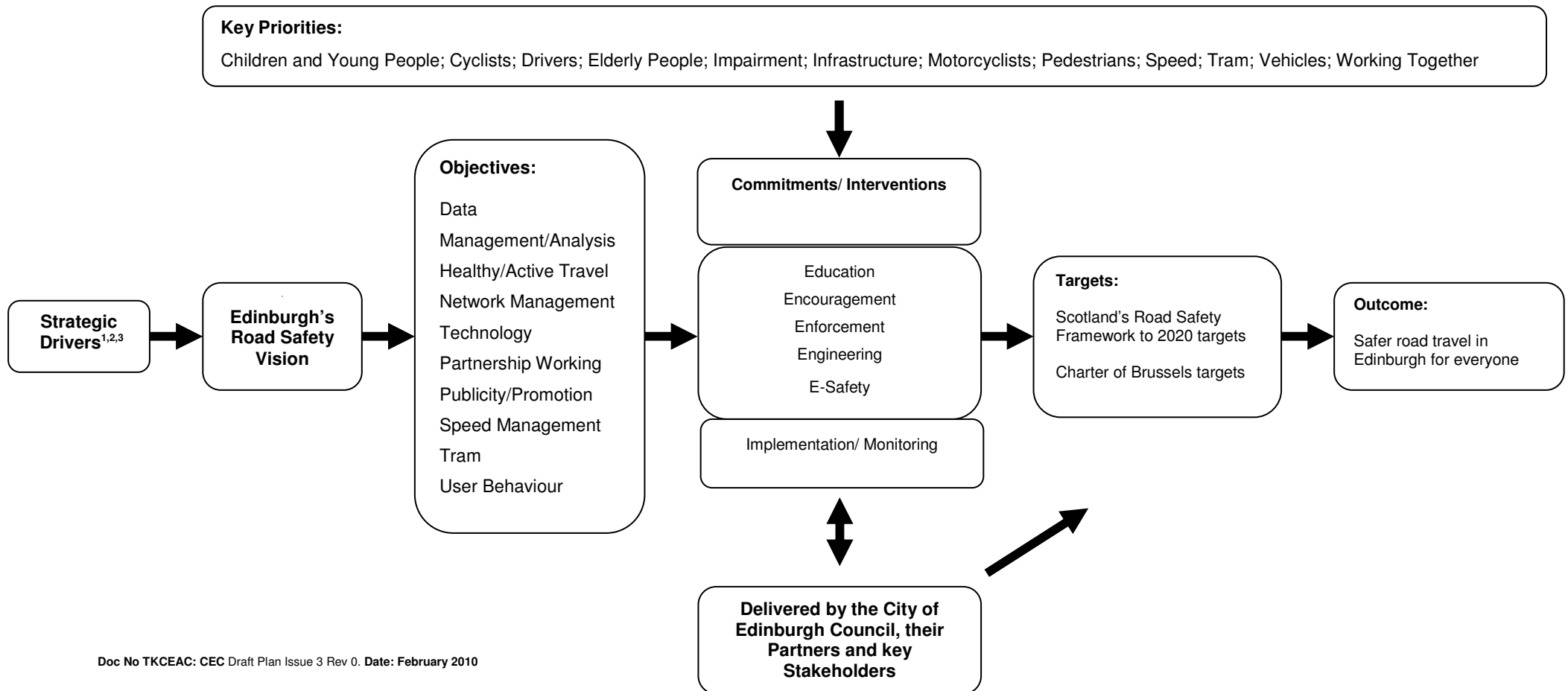
The road worthiness of a vehicle can be a major contributory factor towards the likelihood of the vehicle being involved in a collision, while the level of protection offered by the vehicle can reduce the severity of any injuries.

Evolving technology now offers the potential for reducing the likelihood of a collision occurring.

Working Together

By working together the Council and its Partners will be able to target their limited resources to where they will have the greatest impact.

The interactions of the Vision, Objectives and Key Priorities and their contribution towards the development of the Interventions and the delivery of safer road travel in Edinburgh for everyone is summarised below:



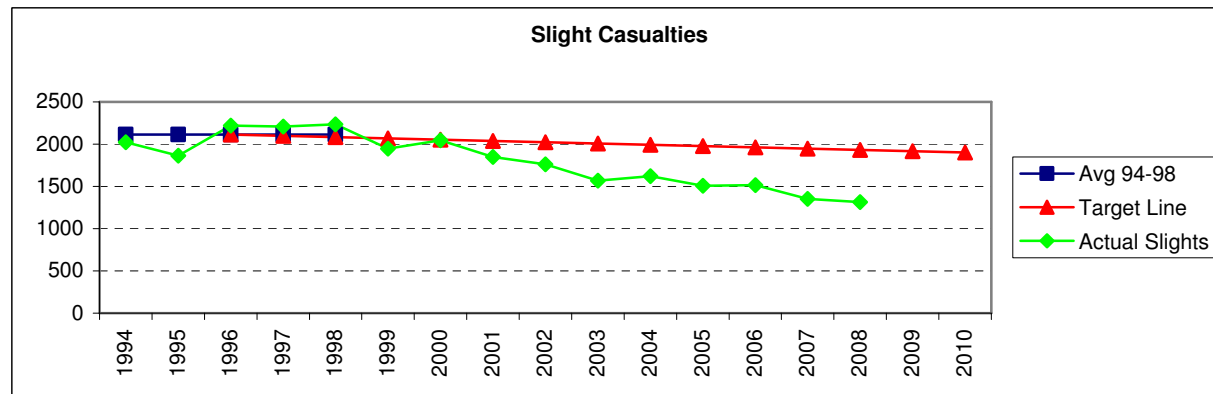
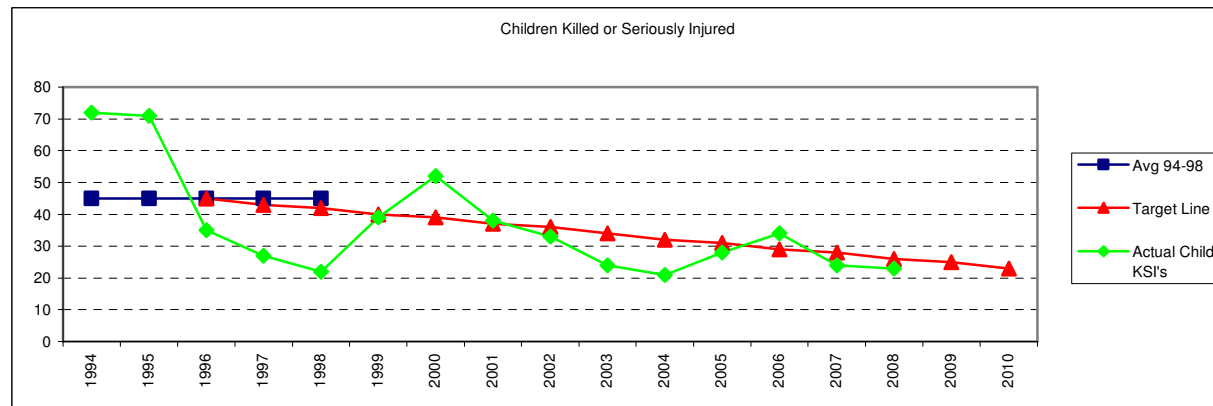
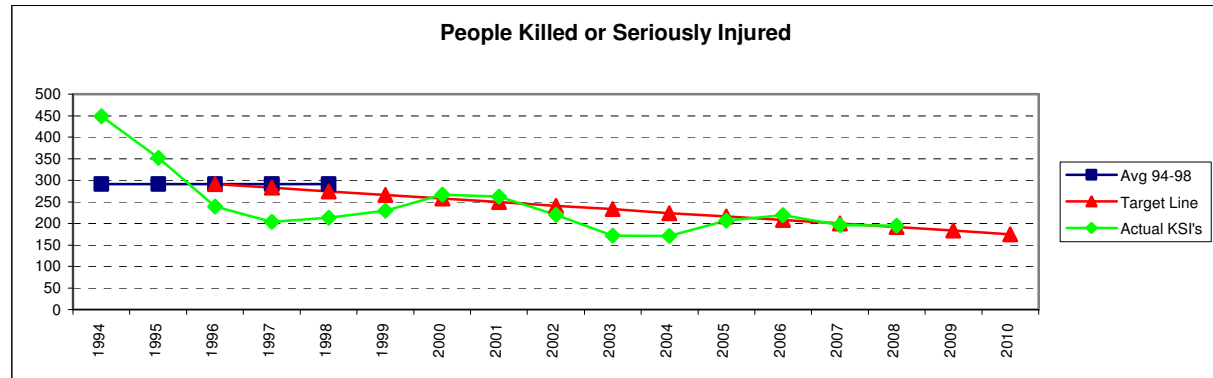
3 Existing 2010 Targets

The current Road Safety Plan contains a series of targets for the reduction of casualties by 2010:

- Reduce by 40% the number of people killed or seriously injured in road accidents;
- Reduce by 50% the number of children killed or seriously injured;
- Reduce by 10% the slight casualty rates;
- Reduce by 50% the number of cyclist casualties per km travelled;
- Reduce by 40% the number of pedestrian casualties per km travelled.

Data is not currently available to allow casualty rates to be calculated on a km travelled basis.

The graphs shown compare the above targets with the actual casualty rates. If current trends are maintained, it is expected the first three measurable targets shown above will be met.



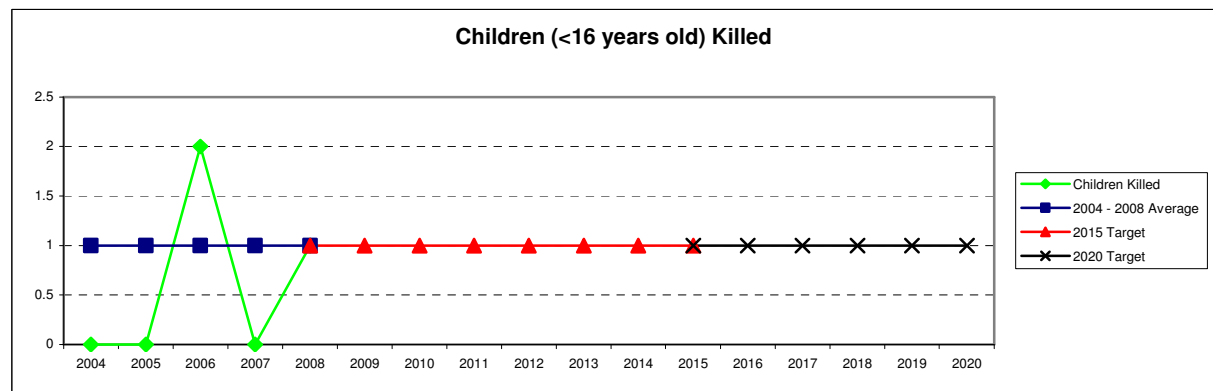
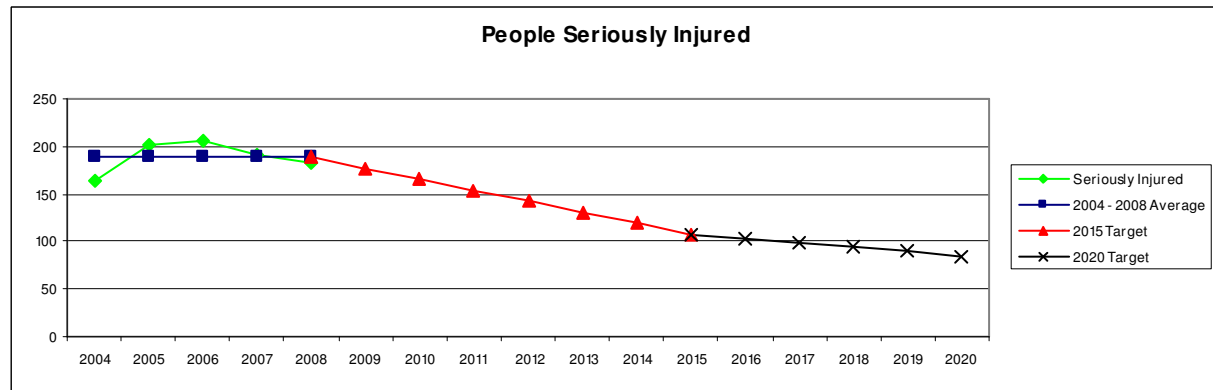
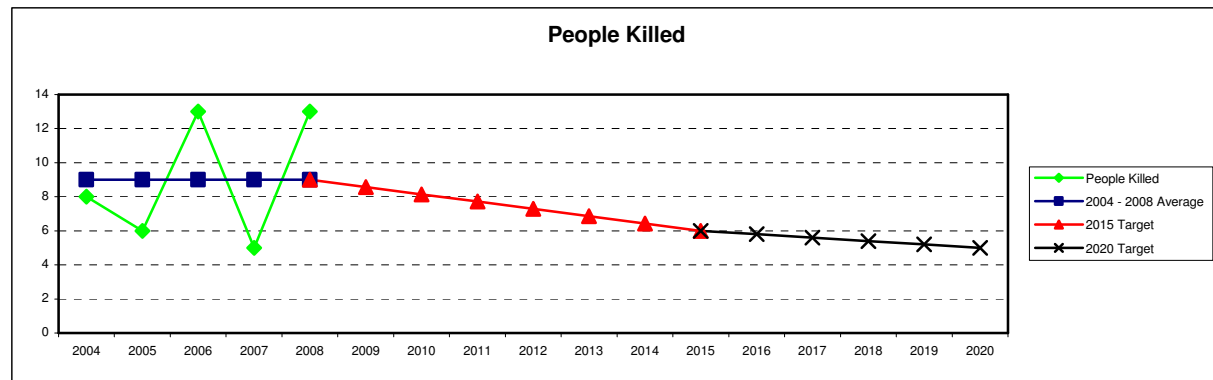
4 New 2020 Targets

Significant investment has been made in road safety, resulting in a 15.8% decrease in all casualties in Edinburgh between 2004 (1,792) and 2008 (1,509).

Ensuring this significant reduction in overall casualty numbers continues, the Council has adopted the challenging targets contained in the Scottish Government's Road Safety Framework.

Target	% Reduction	
	2015	2020
People Killed	30	40
People Seriously Injured	43	55
Children (<16) Killed	35	50
Children (<16) Seriously Injured	50	65
People Slightly Injured	5	10
Cyclists Killed		50

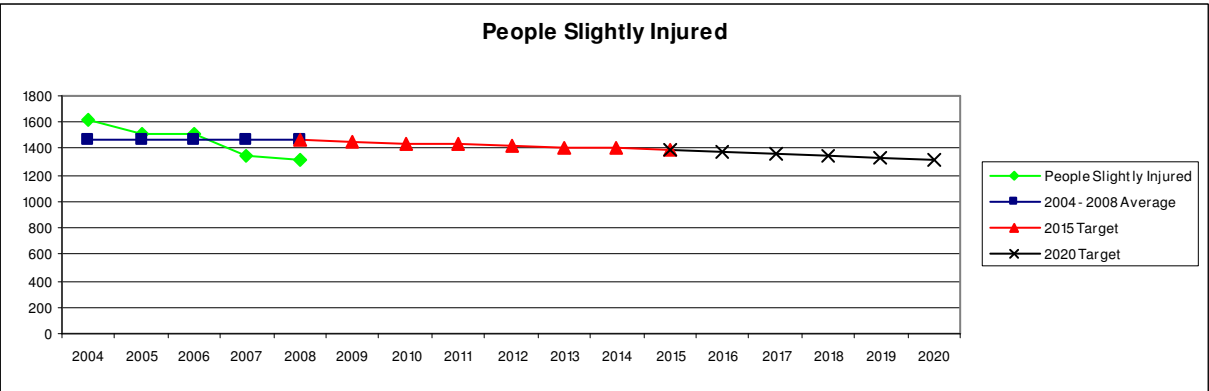
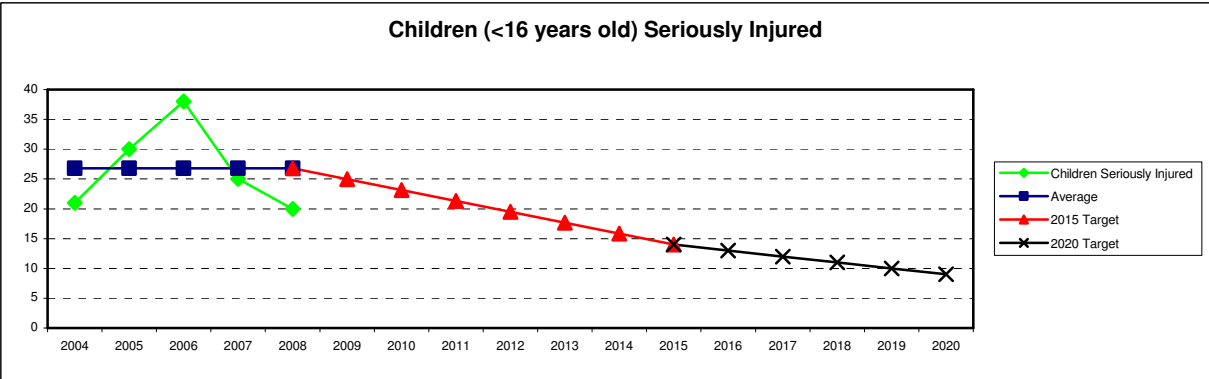
In addition to the above targets, the Council signed up to the Charter of Brussels in 2009. The Charter of Brussels sets a modal target of at least 15% of all journeys to be made by bicycle by 2020. During this same period, the level of cycle fatalities should drop by 50% or more.



The previous graphs, as well as those opposite, compare the Scottish Framework targets with Edinburgh’s casualty rates.

Due to the already low number of people killed on Edinburgh’s roads, it is not possible, at this time, to make an assessment of the likelihood of achieving the targets for reducing fatalities.

If current trends are maintained, it is anticipated that the targets (reduced numbers of, people seriously injured, children seriously injured, and people slightly injured) will be met.



5 Working Together

Through partnership working, the Council will deliver safer road travel in Edinburgh for everyone.

To this end, the development of the plan was guided by a Project Board, Steering Group and feedback from various consultation events.

Road Safety Plan Board

The Project Board consisted of representatives from:

- The City of Edinburgh Council (Transport and Children and Families);
- NHS Lothian;
- Lothian & Borders Police; and
- Halcrow Group Ltd.

The Board guided the development of the Plan and authorised its publication.

Road Safety Plan Steering Group

The Steering Group brought together representatives from the Key Stakeholders ensuring the Plan addressed the concerns of a variety of interest groups.

The Group was made up of representatives from:

- The City of Edinburgh Council (Transport, Children and Families, Corporate Communications, Planning, and Services for Communities);
- Lothian & Borders Police (Road Policing, Road Safety, Education);
- Lothian & Borders Fire and Rescue Service
- NHS Lothian, and
- Halcrow Group Ltd.

Consultation Workshop

A workshop was held on 5 November 2009 to obtain the views of those Stakeholders who were not part of the Project Board or Steering Group.

After a presentation on the analysis of the casualty data from 2004 – 2008 the Stakeholders were invited to develop a series of interventions for possible inclusion in the Plan.

Representatives from the following organisations attended the workshop:

- City of Edinburgh Council Children and Families;
- NHS Lothian;
- City of Edinburgh Council Transport;
- Safety Camera Partnership;
- Lothian Buses;
- Central Taxis;
- City for All Ages;
- Cyclist Touring Club;
- Lothian & Borders Police;
- City of Edinburgh Council Services for Communities;
- Older Peoples Forum;
- Living Streets;
- Cycle Touring Club;
- Halcrow Group Ltd;
- First Edinburgh;
- Edinburgh Chamber of Commerce;
- Young Peoples Council;
- Road Haulage Association;
- Lothian and Borders Fire Service;
- Spokes; and
- Edinburgh World Heritage Trust.

Cycle Consultation Event

On 10 November 2009 a presentation and discussion was held between the Council and the Edinburgh Cycle Forum. This event proved very useful in-terms of understanding the views of experienced cyclists in Edinburgh, and establishing what they would like to see included in the developing Road Safety Plan.

School Consultation Event

This interactive event was held on 4 December 2009, and comprised of 18 s1-s6 pupils from various high schools across Edinburgh discussing road safety education. Topics covered how best to target messages to school children, as well as what elements of road safety concerned them the most.

6 Interventions

A long list of interventions was developed based on the analysis of the 2004 – 2008 casualty data, consultation with the Project Board and Steering Group as well as feedback from consultation events held to obtain the views of wider stakeholder groups. The anticipated timescale for implementing each of the interventions has been indicated as short (2011 - 2012), medium (2013 - 2015) and long (2016 - 2020) term.

The interventions were scored against the criteria outlined in Appendix A to identify the refined list of Interventions for inclusion in the Plan.

Each intervention has been allocated an 'Owner'. While responsibility for the implementation of an intervention will not rest solely with the owner, assigning ownership will ensure interventions are developed, and progress is reported to the Road Safety working group.

Children and Young People			Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
Ref.	Intervention	Key Stakeholders								
YP1	<i>Education</i> - Road Safety Scotland resources adopted as a core programme from nursery to S6, supplemented by contextual learning and the new curriculum with support from partners, and reinforced by council policy updates. Department For Transport and other free resources to be effectively and equally distributed through schools and to parents. Where resources are limited, schools in deprived areas should be prioritised.	<i>Owner: CEC Children & Families.</i> Assisted by: CEC Transport, L&B Police, L&B Fire and Rescue Service, Young Peoples Council.	√	√	√			√		
YP2	<i>Data analysis</i> - Investigate the circumstances of each child fatality and report to key delivery partners with recommendations for action.	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Services for Communities, Young Peoples Council, NHS Lothian (Public Health).				√	√	√		
YP3	<i>Children in deprived areas</i> - Continue to monitor and identify possible road safety issues that link to children living in areas of multiple deprivation and implement agreed action.	<i>Owner: NHS Lothian (Strategic Planning and Public Health).</i> Assisted by: CEC Transport, CEC Children & Families, L&B Fire and Rescue Service, CEC Services for Communities, Young Peoples Council.	√	√		√	√	√		
YP4	<i>School Travel Plans</i> - Continue to support their use, fully involving the local community, and utilise other funding/resources: Sustrans/Road Safety Scotland/Cycling Scotland.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, NHS Lothian (Health Promotion & Edinburgh CHP), CEC Services for Communities, Young Peoples Council.	√	√	√		√	√		
YP5	<i>Pre-driver</i> - Investigate feasibility of introducing pre-driver events for senior school pupils, to influence young people's attitudes to road safety and future driving behaviour before they get behind the wheel. Links could be made to other work on risk reduction i.e. alcohol, drugs.	<i>Owner: CEC Children & Families.</i> Assisted by: CEC Transport, L&B Police, L&B Fire and Rescue Service, Young Peoples Council, FE Colleges, Voluntary Sector youth work.	√	√	√	√		√		

Children and Young People

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
YP6	<i>E-learning</i> - Consider the continued support of E-learning systems for road safety training in schools.	<i>Owner: CEC Children & Families.</i> Assisted by: CEC Transport, L&B Police, L&B Fire and Rescue Service, Young Peoples Council.	√	√	√				√	

Cyclists

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
C1	<i>Data analysis</i> - Undertake further investigation and analysis to determine patterns of cyclist collision occurrence and identify notable cycle groups at risk.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, NHS Lothian (HIU & Health Promotion), CEC Services for Communities, Spokes, Cyclist Touring Club.	√				√	√		
C2	<i>Cycle safety working group</i> - Key stakeholders to meet twice-yearly to discuss results of data analysis, and agree relevant interventions including awareness raising, enforcement, training and alterations to the road environment.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, Spokes, Cyclist Touring Club.	√	√	√	√		√		
C3	<i>Campaigns</i> - Support national and initiate local campaigns aimed at safer cycling and the health benefits of cycling.	<i>Owner: CEC Transport.</i> Assisted by: NHS Lothian (Health Promotion), CEC Children & Families, L&B Police, CEC Services for Communities, Spokes, Cyclist Touring Club.	√	√	√	√	√	√		
C4	<i>Cycle training</i> - Ensure the Scottish Cycle Training Scheme resources and practical training is promoted in every school, particularly in areas of deprivation and promote adult cycle training city-wide.	<i>Owner: CEC Children & Families.</i> Assisted by: CEC Transport, L&B Police, NHS Lothian (Health Promotion), Spokes, Cyclist Touring Club, Cycle Training Providers.	√	√	√	√		√		
C5	<i>Network management</i> - Ensure cyclists' needs are accommodated in new road and maintenance schemes.	<i>Owner: CEC Services for Communities or Transport.</i> Assisted by: CEC Children & Families, Spokes, Cyclist Touring Club, Trunk Road Network Agents.	√	√	√		√	√		
C6	<i>Pilot</i> - Investigate a pilot examining advance green signal phases for cyclists on a corridor in the city.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, NHS Lothian, CEC Services for Communities, Spokes, Cyclist Touring Club.	√	√	√	√	√		√	
C7	<i>Training</i> - Maintain and build upon safer cycling education and awareness measures through basic and further educational training initiatives, aimed at all road users to ensure safer interaction between users, appreciation of the highway code, and safer cycling practices.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, NHS Lothian, Spokes, Cyclist Touring Club.	√	√	√	√			√	

Drivers

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
D1	<i>Training</i> - Support the Scotland Government in introducing the development of SAFED (Safe and Fuel Efficient Driving) training for van drivers in Edinburgh.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, Edinburgh Licensed Taxi Association, Lothian Buses, First Edinburgh.	√	√	√				√	
D2	<i>Data analysis</i> - Examine driver age distribution and gender split to determine factors between casualties and the age and sex of drivers.	<i>Owner: CEC Transport.</i> Assisted by: L&B Police, CEC Services for Communities.				√	√	√		
D3	<i>Data analysis</i> - Identify the factors responsible for incident causation and determine remedial measures.	<i>Owner: CEC Transport.</i> Assisted by: L&B Police, CEC Services for Communities, Trunk Road Network Agents.					√	√		

Elderly People

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
E1	<i>Bus use</i> - Investigate the cause of incidents involving elderly people using buses in Edinburgh.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, Older Peoples Forum, City for All Ages, Lothian Buses, First Edinburgh.	√	√				√		
E2	<i>Research</i> - Investigate whether there is an increased risk of elderly people, particularly in areas of deprivation, being involved in an incident and the specific causes.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, Older Peoples Forum, City for All Ages, Lothian Buses, First Edinburgh.	√	√				√		
E3	<i>Consult</i> - Older Peoples Forum and Equalities Transport Group to be regularly consulted to ensure the needs of elderly people are incorporated into remedial measures.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Fire and Rescue Service, NHS Lothian (Edinburgh CHP), Older Peoples Forum, City for All Ages, Lothian Buses, First Edinburgh.	√	√	√			√		

Impairment

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
Im1	<i>Policing</i> - Through data analysis and intelligence led policing, effectively target enforcement and complement the 'don't risk it' message by raising the perceived risk of being caught.	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Children & Families.	√	√		√		√		
Im2	<i>Campaigns</i> - Support national campaigns, where relevant, to raise awareness of: - seatbelt wearing - speeding - the dangers of using mobile phones whilst driving - fatigue among drivers - driving after taking some prescription or over the counter drugs - drink drive publicity campaigns outside of the traditional summer and festive seasons - self-policing by identifying risks to, and impacts on, the close friends and families of drivers likely to offend, and in-turn target messages to partners/loved ones.	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Fire and Rescue Service, NHS Lothian (Communications and Health Promotion), Edinburgh Licensed Taxi Association, Lothian Buses, First Edinburgh, Trunk Road Network Agents, Road Haulage Association.	√	√	√	√		√		

Infrastructure

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
If1	<i>Audit</i> - Identify key areas, carriageways and t-junctions/staggered junctions with the greatest rate of incidents and conduct detailed analysis on these.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, NHS Lothian, CEC Services for Communities, Lothian Buses, First Edinburgh, Road Haulage Association, Edinburgh Licensed Taxi Association, Trunk Road Network Agents	√		√	√	√	√		
If2	<i>Incident response</i> - Investigate and improve upon the lag between emergency services and traffic control/network management responses.	<i>Owner: CEC Transport.</i> Assisted by: L&B Police, Scottish Ambulance Service, L&B Fire and Rescue Service, CEC Services for Communities, Lothian Buses, First Edinburgh, Road Haulage Association, Edinburgh Licensed Taxi Association.				√	√		√	
If3	<i>Maintenance</i> - Ensure footway clutter is minimised and aligned within design and maintenance schemes.	<i>Owner: CEC Services for Communities.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Police, Lothian Buses, First Edinburgh, Road Haulage Association, Edinburgh Licensed Taxi Association.	√	√		√			√	
If4	<i>Accessibility</i> - Identify and incorporate the use of accessibility standards in line with current DDA requirements into new maintenance schemes to improve on road safety.	<i>Owner: CEC Transport.</i> Assisted by: L&B Police, CEC Services for Communities, Lothian Buses, First Edinburgh, Road Haulage Association, Edinburgh Licensed Taxi Association, NHS Lothian (Equality & Diversity).			√		√		√	

Infrastructure

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
If5	<i>Corridor approaches</i> - Establish corridor approaches to examine the needs of, and safety implications of all users.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, NHS Lothian (Edinburgh CHP), CEC Services for Communities, Lothian Buses, First Edinburgh, Road Haulage Association, Edinburgh Licensed Taxi Association.	√	√	√	√	√	√		
If6	<i>Development Control</i> – Ensure planning applications that impact on the public realm comply with all relevant national and local development and design guides, such as the Council’s Movement and Development Plan, and the Active Travel Plan.	<i>Owner: CEC Transport</i> Assisted by: CEC Planning, CEC Services for Communities.				√	√		√	

Motorcyclists

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
M1	<i>Awareness</i> - Publicise the rising trend in motorcycle related injuries and increase awareness through combined user group awareness training, for example Bikesafe.	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Children & Families, NHS Lothian (Health Promotion), Edinburgh Licensed Taxi Association, Lothian Buses, First Edinburgh.	√	√	√	√		√		
M2	<i>Campaigns</i> - Promote the national motorcycling website being developed by the Scotland Government that contains road safety information and links, and the targeted Road Safety Scotland publicity campaigns aimed at motorcyclists.	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Children & Families, NHS Lothian (Communications).	√	√	√	√		√		
M3	<i>Network management</i> - Consider the needs and vulnerabilities of motorcyclists when designing new roads and implementing safety features on existing roads.	<i>Owner: CEC Transport.</i> Assisted by: L&B Police, CEC Services for Communities.			√	√	√	√		
M4	<i>Link to cycling</i> - Investigate the potential to link aspects of cycle campaigns with motorcycle campaigns to benefit conditions for two wheeled vehicles.	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Children & Families, NHS Lothian (Health Promotion), CTC, Spokes, Trunk Road Network Agents.	√	√	√			√		
M5	<i>Enforcement</i> - Ensure continued enforcement of the laws against mini-moped and unlicensed motor-cycles, and riders who drive them unsafely both on the roads and in public spaces.	<i>Owner: L&B Police.</i> Assisted by: CEC Services for Communities (Community Safety).				√		√		

Pedestrians

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
P1	<i>Data analysis</i> - Undertake detailed analysis of pedestrian casualties, including their incidence in areas of deprivation and develop an action plan to target high risk groups and the specific causes of casualties within these groups.	<i>Owner: CEC Transport.</i> Assisted by: CEC Services for Communities, Older Peoples Forum, NHS Lothian (HIU), City for All Ages, Edinburgh Access Panel, Living Streets.					√	√		
P2	<i>Data analysis</i> - Investigate whether alcohol is playing a greater part in pedestrian casualties and, if it is, consider how to reverse the trend. <i>NB. Wording still to be clarified.</i>	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Children & Families, NHS Lothian (HIU and Edinburgh CHP), Older Peoples Forum, City for All Ages, Edinburgh Access Panel, Living Streets.	√	√	√	√		√		
P3	<i>Audits</i> - Examine the usage of existing pedestrian crossing facilities and identify if either the existing or new installations are required.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, CEC Services for Communities, Older Peoples Forum, City for All Ages, Edinburgh Access Panel, Living Streets.		√			√	√		
P4	<i>Audits</i> - Review all major junctions and assess the effectiveness of existing crossing and control methods, with regard to use by all age and ability ranges.	<i>Owner: CEC Transport.</i> Assisted by: CEC Services for Communities, Older Peoples Forum, City for All Ages, Edinburgh Access Panel, Living Streets, Trunk Road Network Agents.					√		√	
P5	<i>Disabled access</i> - Consult with the Edinburgh Access Panel to ensure the needs of the disabled are incorporated into remedial measures.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Fire and Rescue Service, Older Peoples Forum, City for All Ages, Edinburgh Access Panel, Living Streets.	√	√	√			√		
P6	<i>Routes</i> - Establish routes to and through, the city centre and other key destinations including tram stops most used by pedestrians, and establish means of reducing conflict at key points, so as to enable more people to walk greater distances in safety.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, NHS Lothian (Edinburgh CHP), CEC Services for Communities, Older Peoples Forum, City for All Ages, Edinburgh Access Panel, Living Streets.		√	√		√	√		
P7	<i>City centre</i> - Investigate the potential for increasing pedestrian priority, and pedestrian only zones in the city centre and incorporate this into an action plan for pedestrians.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, CEC Services for Communities, Older Peoples Forum, City for All Ages, Edinburgh Access Panel, Living Streets.	√	√	√	√	√		√	
P8	<i>Encouragement</i> – Develop confidence building schemes such as ‘walking buses’, walks for health and buddying schemes.	<i>Owner: CEC Services for Communities.</i> Assisted by: <i>CEC Transport</i> , CEC Children & Families, Edinburgh Access Panel, Living Streets, NHS Lothian (Health Promotion & Edinburgh CHP).	√	√				√		

Speed

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
S1	<i>Technology</i> - Utilise technology to reduce speeds on corridors where potential exists to do so, for example through average speed systems or Intelligent Speed Adaptation.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, CEC Services for Communities, Trunk Road Network Agents.	√		√	√	√			√
S2	<i>Behaviour</i> - Target behaviours regarding speeding as being socially unacceptable and allocate enforcement to tackle this.	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Fire and Rescue Service, Trunk Road Network Agents.	√	√	√	√			√	
S3	<i>Engineering</i> - Implement 20mph zones in all residential streets.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, CEC Services for Communities.	√	√	√	√	√			√
S4	<i>Engineering</i> - Ensure traffic calming continues, but with a stronger onus on community, environmental and health benefits, particularly in areas of deprivation, rather than solely road safety.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, NHS Lothian (Edinburgh CHP), CEC Services for Communities.	√	√	√	√	√		√	
S5	<i>Safety cameras</i> - Continue to support the Safety Camera Programme and its initiatives.	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Fire and Rescue Service, CEC Services for Communities.	√	√	√	√	√	√		
S6	<i>Review</i> - Review speed limits on all class A and class B roads, and look to implement any changes indicated by such a review.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, CEC Services for Communities, Trunk Road Network Agents.	√	√	√	√	√	√		
S7	<i>Investigate</i> - Investigate the potential to make existing streets, notably city centre streets, shopping areas and residential areas a 20mph speed limit, whilst establishing the potential economic, environmental and health impact on the city.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, NHS Lothian (Public Health), CEC Services for Communities.	√	√	√	√	√		√	

Tram

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
T1	<i>Data analysis</i> - Identify whether tram works appear to have any impact upon the incident data.	<i>Owner: CEC Transport.</i> Assisted by: TIE, CEC Children & Families, L&B Police, CEC Services for Communities.	√	√	√	√	√	√		
T2	<i>Traffic management</i> - Encourage more effective control of traffic management works and temporary works on the Tram project.	<i>Owner: TIE.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Police, CEC Services for Communities.	√	√	√	√	√	√		

Tram

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
T3	<i>Responsibility</i> - Promote responsibility across all user groups during the implementation of the tram works.	<i>Owner: TIE.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Police.	√	√	√	√		√		
T4	<i>Education</i> - Provide education to identified target user groups regarding future integration with the completed tram project and required safety practices to be adopted.	<i>Owner: TIE.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Police, Transport Edinburgh Limited.	√	√	√	√		√		
T5	<i>Interaction</i> - Raise awareness of hazards of trams/tram lines with cyclists/drivers, provide training of cyclists and alternative routes for cyclists to be developed and promoted.	<i>Owner: TIE.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Police, L&B Fire and Rescue Service, NHS Lothian, Spokes, Cyclist Touring Club, Voluntary Sector Cycling Providers, Transport Edinburgh Limited.	√	√			√	√		

Vehicles

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
V1	<i>Targeted measures</i> - Prioritise resources on reducing the number of collisions caused by the 3 primary vehicles types (cars, goods vehicles and motorcycles) identified in the analysis of the collision data as being the primary cause of collisions.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, CEC Services for Communities, Lothian Buses, First Edinburgh, Road Haulage Association, Edinburgh Licensed Taxi Association, Trunk Road Network Agents.	√	√	√	√	√	√		
V2	<i>Campaign</i> - Support national campaigns to promote the use of Fresnel lenses by left-hand drive HGVs to avoid blind spots/side-swipe incidents, and encourage the fitting of close-proximity lenses to HGVs.	<i>Owner: CEC Transport.</i> Assisted by: Road Haulage Association, L&B Police, CEC Children & Families, NHS Lothian, Lothian Buses, First Edinburgh, Edinburgh Licensed Taxi Association.	√	√				√		
V3	<i>Fleet</i> - Investigate the potential for all new cars purchased or hired by the Plan partners to have a high EuroNCAP (safety assessment) rating.	<i>Owner: L&B Fire and Rescue Service.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Police, NHS Lothian, Lothian Buses, First Edinburgh, Road Haulage Association, Edinburgh Licensed Taxi Association.	√	√	√				√	
V4	<i>Fleet</i> - Plan partners to encourage their vehicle fleet operators to do more to ensure that users take full responsibility for their actions whilst operating vehicles, with a view to rolling out successful initiatives to the private sector.	<i>Owner: L&B Fire and Rescue Service.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Police, NHS Lothian (Human Resources), Lothian Buses, First Edinburgh, Road Haulage Association, Edinburgh Licensed Taxi Association.	√	√	√	√			√	

Working Together

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
WT1	<i>Communication and Branding Strategy</i> - Create one which will: - ensure messages are focused appropriately - recognise the different motivators for different elements of society - profile and in turn target vulnerable users - ensure partners share responsibility for delivery - identify target groups - identify who is responsible to tackling and relaying the message(s)/action(s) - identify means of relaying messages through myriad media formats - to address campaigns, messages and promotion initiatives - develop action plans covering the short, medium and long-term.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, NHS Lothian (Communications), CEC Services for Communities, Spokes, Cyclist Touring Club, Older Peoples Forum, City for All Ages, Lothian Buses, First Edinburgh, Edinburgh Access Panel, Living Streets, Road Haulage Association, Edinburgh Licensed Taxi Association, Young Peoples Council, TIE, Trunk Road Network Agents.	√	√	√	√	√			
WT2	<i>Working group</i> - Establish a strategic road safety group of key stakeholders and delivery partners to meet every three months, including a review meeting each year to monitor the action plans.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, NHS Lothian (Edinburgh CHP), CEC Services for Communities, Spokes, Cyclist Touring Club, Older Peoples Forum, City for All Ages, Lothian Buses, First Edinburgh, Edinburgh Access Panel, Living Streets, Road Haulage Association, Edinburgh Licensed Taxi Association, Young Peoples Council, TIE, Trunk Road Network Agents.	√	√	√	√	√	√		
WT3	<i>Strategic approach</i> - Sign Edinburgh up to the European Road Safety Charter.	<i>Owner: CEC Transport.</i> Assisted by: CEC Services for Communities.				√		√		
WT4	<i>Technology</i> - Ensure new/emerging technologies are considered for application in developing new road safety approaches, whilst also ensuring their uses are understood amongst the public.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, CEC Services for Communities, Trunk Road Network Agents.	√	√	√	√	√		√	
WT5	<i>Data analysis</i> - Direct vision and focus towards main at-risk categories identified through the analysis, and ensure regular monitoring of incident data as part of a continuous programme to identify trends.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, NHS Lothian (HIU & Edinburgh CHP), CEC Services for Communities, Spokes, Cyclist Touring Club, Older Peoples Forum, City for All Ages, Lothian Buses, First Edinburgh, Edinburgh Access Panel, Living Streets, Road Haulage Association, Edinburgh Licensed Taxi Association, Young Peoples Council, TIE, Trunk Road Network Agents.	√	√	√	√	√	√		
WT6	<i>Data analysis</i> - Upgrade and improve current incident causation data recording and analysis procedures, and develop an operational target time for incident data returns to be completed within 6 weeks of the incident. <i>NB. Wording still to be clarified.</i>	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Services for Communities, CEC Children & Families, L&B Fire and Rescue Service, NHS Lothian (HIU & University Hospitals Division).		√		√	√		√	

Working Together

Ref.	Intervention	Key Stakeholders	Education	Encouragement	E-Safety	Enforcement	Engineering	Short Term	Medium Term	Long Term
WT7	<i>Fatal incidents</i> - Develop and adopt a process to involve CEC and all related parties in a coordinated fatal incident inquiry process. <i>NB. Wording still to be clarified.</i>	<i>Owner: L&B Police.</i> Assisted by: CEC Transport, CEC Children & Families, L&B Fire and Rescue Service, NHS Lothian (HIU & UHD), CEC Services for Communities, Trunk Road Network Agents.		√		√	√	√		
WT8	<i>Public health</i> - Link road safety issues with health initiatives, particularly in relation to health inequalities, to ensure that both reap benefits.	<i>Owner: NHS Lothian (Edinburgh CHP).</i> Assisted by: CEC Transport, CEC Children & Families, CEC Services for Communities.	√	√	√		√	√		
WT9	<i>Campaigns</i> - Support the national introduction of a Scottish Road Safety Week.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, CEC Services for Communities, L&B Police, L&B Fire and Rescue Service, NHS Lothian (Health Promotion).	√	√	√	√			√	
WT10	<i>Public update</i> - Produce a bi-annual update on the delivery of the Road Safety Plan.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, NHS Lothian, CEC Services for Communities.	√	√	√	√	√	√		
WT11	<i>Public attitudes</i> - Research attitudes to road safety, to help shape future action plans.	<i>Owner: CEC Transport.</i> Assisted by: NHS Lothian (Health Promotion), CEC Children & Families, L&B Fire and Rescue Service, CEC Services for Communities, Spokes, Cyclist Touring Club, Older Peoples Forum, City for All Ages, Lothian Buses, First Edinburgh, Edinburgh Access Panel, Living Streets, Road Haulage Association, Edinburgh Licensed Taxi Association, Young Peoples Council, TIE.	√	√			√		√	
WT12	<i>Research</i> - Continue to research best practice from elsewhere, including Road Safety Scotland and the UK Parliamentary Advisory Council for Transport Safety, to feed into the bi-annual update of the plan. Additional funding opportunities should similarly be investigated.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, NHS Lothian, CEC Services for Communities, Trunk Road Network Agents.	√	√	√	√	√	√		
WT13	<i>Information management</i> - Investigate the development of an extranet site, to enable the sharing and coordination of information amongst Plan partners, and aid the implementation and review of the Plan.	<i>Owner: CEC Transport.</i> Assisted by: CEC Children & Families, L&B Police, L&B Fire and Rescue Service, NHS Lothian, CEC Services for Communities.	√	√	√	√	√	√		

Appendix A – Scoring System

To determine which intervention best supported the Road Safety Plan’s Vision they were scored against the following criteria. Only those that received a total score of 3 or more have been included in the Plan.

A - Contribution to Vision/Objectives

Score	Criteria
1	Zero or one Objective met
2	Two to three Objectives met
3	Four to five Objectives met
4	Six to seven Objectives met
5	Eight to nine Objectives met

B – Delivery Mechanism

Score	Criteria
1	Complex delivery arrangements using untried relationships.
2	Delivery arrangement through untried relationship
3	Previously tested delivery arrangements through newly formed relationships
4	Established delivery arrangements through single party or existing relationships
5	Routine delivery arrangements through single party or well established relationships.

C – Cost vs. Value

Score	Criteria
1	Cost of measure potentially exceeds anticipated value return.
2	Cost of measure is slightly greater than anticipated value return.
3	Cost of measure is approximately equal to anticipated value return.
4	Cost of measure is slightly less than anticipated value return.
5	Cost of measure is significantly less than anticipated value return.

D – Resources and Capability

Score	Criteria
1	Resources may be difficult to obtain or technology may not yet be available.
2	Resources may be available or uses emerging technology.
3	Resources are available or it uses developed technology.
4	Both resources and developed technology are readily available.
5	Both resources and technology are currently in use and successful.

E – Assessment of Likely Impact

Score	Criteria
1	Measure will have no positive impact on reducing the number casualties.
2	Measure will have a limited positive impact on reducing the number casualties.
3	Measure likely to succeed and directly impact on reducing the number casualties.
4	Measure is tried and tested with positive history of casualty reduction.
5	Measure is tried and tested with positive history of high casualty reduction.

As the Road Safety Plan is a strategic document it was determined that contribution to the Vision/Objectives was the most significant of the scoring criteria. The following weighting was applied:

Criteria	A	B	C	D	E	
Weighting	30.00%	17.50%	17.50%	17.50%	17.50%	100.00%