

EAST AYRSHIRE COUNCIL

SPECIAL DEVELOPMENT SERVICES COMMITTEE – 20 JUNE 2006

ROADS DIVISION BUDGETS FOR 2006 - 2007

Report by the Executive Director of Development and Property Services

1. PURPOSE OF REPORT

- 1.1 The purpose of the report is to seek Committee approval for the various road safety and transport programmes to be implemented in 2006/2007.

2. BACKGROUND

- 2.1 The programmes for consideration, budgets and sources of funding are as follows:-

Fund	Sum	Source
Cycling Walking and Safer Streets	- £209,000	Scottish Executive
20mph Zones	- £257,000	Scottish Executive
Capital Road Safety	- £145,000	East Ayrshire Council
Quality of Life	- £130,500	Scottish Executive
Rural Route Action Plans	- £150,000	East Ayrshire Council
Bus Infrastructure Improvements	- £150,000	Strathclyde Partnership for Transport (SPT)
Regional Cycle Routes	- £100,000	SPT
Prudential Borrowing for Traffic Signals	- £100,000	East Ayrshire Council

- 2.2 Each budget has a different purpose and different guidelines for expenditure. However, improving road safety is the common objective. Road accident casualties have reduced significantly in recent years and the national targets for road casualty reductions for 2010 have already been met. The number of road casualties in East Ayrshire has reduced by 35% and the number of people killed and serious injury casualties has reduced by 61% compared to the average of the base-line figures between 1994 and 1998. Nonetheless, there continue to be accident problems, particularly on rural single carriageway roads where incidents sometimes result in fatalities or serious injury. A new budget has been created to accelerate the programme of measures to improve signage on rural routes and implement other safety measures. The road safety education and publicity programmes are also targeted at improving safety on rural routes; leaflets have recently been distributed to deter the use of inappropriate speeds on the A70 and the A713.

3. PROPOSALS

3.1 Cycling Walking and Safer Streets

The Scottish Executive has allocated East Ayrshire Council £209,000 in 2006/2007 to improve facilities for pedestrians, cyclists and other vulnerable road users such as children travelling to and from school.

The following projects have been identified as being beneficial to pedestrians and cyclists :-

Project	Preliminary Estimate
Auchinleck Sorn Road zebra crossing	£3,000
Cumnock zebra crossing	£2,000
Footway Improvement Rigg Street, Stewarton	£7,000
Catrine, Newton Street Zebra Crossing / Traffic Calming	£28,000
B764 Eaglesham Road, Road Markings	£22,000
Hurlford, Galston Road Puffin Crossing	£22,000
Hurlford to Galston Cycleway	£27,000 (contribution) *
A76 Mauchline Puffin Crossings	£33,000
Promotion of Cycling and Walking	£6,000
Kilmarnock, Dean Road Traffic Calming	£10,000
Auchinleck, Well Road	£17,000
Footway Improvement Craighens Road, Netherthird	£20,000
Ochiltree, Mill Street + A70 Traffic Islands	£20,000
TOTAL	£219,000

* Sustrans have provided funding of £60,000 towards the construction of this cycle path which must be spent by the end of June 2006. The total cost of the scheme is £87,000 and £27,000 will therefore be required from the CWSS budget to complete the works.

It is proposed that the projects listed above are implemented in the 2006/2007 financial year up to the limit of the current allocation. It is intended that schemes which cannot be funded from the current allocation will be put forward for inclusion in the 2007/08 programme.

3.2 20mph Zones

The Scottish Executive has allocated £257,000 for the provision of 20mph speed limits on roads. Full time and part time 20mph speed limits have already been provided on roads adjacent to 53 schools in East Ayrshire. It is proposed to complement this work with 20mph Zones at the following locations :-

Project	Preliminary Estimate
Hurlford, Mauchline Road,	£17,000
Stewarton, Dean Street/ Old Mill View	£22,000
Darvel, Hutchison Drive and Paterson Terrace	£22,000
Dalrymple, Barbieston Road	£28,000
Kilmarnock, Glen Orrin Avenue	£17,000

Woodstock School, North Hamilton Street	£28,000
Irvine Rd/Beech Avenue/Grange Terrace	£33,000
Mauchline Primary School	£33,000
Barbieston Road, Auchinleck	£20,000
Kilmarnock, Craufudland Road	22,000
Catrine, Sorn St	£3,000
Catrine, St Cuthbert Street	£3,000
Conversion of Twenty's Plenty Zones to mandatory 20mph Zones	£30,000
TOTAL	£278,000

Several 20mph zones are adjacent to existing 20's Plenty areas. Where possible, it is proposed that Orders are promoted to incorporate the advisory 20's Plenty areas into the mandatory 20mph Zones. The Police have indicated initial support for this approach. However, additional traffic calming will be required in some streets ensure compliance with the mandatory speed limit.

The current proposals exceed the budget for 20 mph zones. Any works that are not completed in the current financial year will be included in the 2007/08 programme.

3.3 Capital Road Safety

An assessment of road accidents is carried out annually and from this information locations are identified where there is a history of accidents. In June 2004 the Committee approved a programme of road safety measures. As the majority of schemes have now been completed the remaining schemes have been reviewed. Appendix 1 lists the updated programme of accident locations along with accident information, costs and first year rate of return. The schemes to be implemented in 2007/07 are listed in Table 1. Table 2 summarises sites for which there have been requests for road safety and other measures.

Project	Preliminary Estimate
Table 1 Schemes	
A71 West of Galston	£5,000
A70, at Coalhall	£15,000
C36 South of Benston Smithy (Hall of Auchincross)	£5,000
C117 South of Stewarton	£12,000
London road / Culzean Crescent / Linfern Avenue	£5,000
Holehouse Road / Grassyards Road	£15,000
A71 East of Bellfield Interchange	£20,000
A759, Gatehead	£20,000
TOTAL	£97,000

Table 2 Minor Schemes and Projects with local support	
B706 Nether Oldhall nr Dunlop	£2,000
Fenwick - mini roundabout at Main Road / Stewarton Road junction	£7,000
Barony Road, 30mph ext to speed limit + gateway	£5,000
Kilmarnock, Holmes Road	£33,000
Cumnock, Holmhead Road	£17,000
Fenwick, Traffic Signs	£6,000
Kilmarnock, Whattriggs Rd / Merrick Drive Junction Imp.	£7,000
Kilmarnock One Way System – Revisions to signs and roadmarkings	£10,000
TOTAL	£87,000

The overall cost of the proposals contained in Tables 1 and 2 is £184,000 and schemes which cannot be completed during 2006/07 will be considered for the 2007/ 08 programme.

3.4 Quality of Life

At the Committee meeting in June 2005 approval was given for a programme of works which included Twenty's Plenty schemes in residential areas and rural route action plans on A' class routes.

68 Twenty's Plenty schemes have now been introduced in residential areas throughout East Ayrshire.

Rural action plans have been completed on the A713 and most of the A70. The remaining 9 km section of the A70, east of Muirkirk, will be completed shortly.

Twenty's Plenty - As in previous years it is proposed to use a portion of the Quality of Life budget to provide further Twenty's Plenty areas on the basis of requests that have been received, providing the proposals comply with the Scottish Executive criteria. The current estimate for this work is approximately £25,000 and the following schemes which are proposed are summarised in Table 3.

TABLE 3

Braehead Court	Kilmarnock
Brown's Road, Brown's St. etc	Newmilns
Hoyle Crescent	Cumnock
Townend Rd., Marchdyke Cresc. Etc	Kilmarnock
Craufurd Drive	Drongan
Crossdene Estate	Crosshouse
Annandale/Woodbank	Crosshouse
Gatehead / Laurieland	Crosshouse
Lomond Avenue, Etc	Hurlford
Cairn View	Galston
Campbell / West Campbell	Newmilns

Further requests for 20's Plenty areas will be considered, subject to available funding.

Rural Route Action Plans – Work to complete the rural route action plan on the remaining 9 kilometre rural section of the A70 is about to commence. This extends from a point approximately 3 kilometres west of Muirkirk to the Council’s eastern boundary at Glenbuck.

The action plan includes ‘SLOW’ road markings, verge marker posts and chevron signs. These are applied to bends along the route in a graduated manner to assist drivers to maintain the appropriate speed when approaching the various hazards. Reflective bollards are provided at accesses and minor roads to alert drivers of the possibility of turning traffic. New Road Studs and lining will also be provided where necessary.

In addition, it is proposed to carry out a further assessment to identify bends, on A class routes, which require skid resistant surfacing to further reduce the potential for accidents. It is proposed that remaining funds available from the Quality of Life budget will be used to carry out further works on the other untreated ‘A’ class routes as set out in 3.5 below. The proposed expenditure is summarised in Table 4 below.

TABLE 4

Scheme	Estimate
Twenty’s Plenty	£25,000
A70 Rural Route Action Plan	£60,000
Skid Resistant Surfacing	£30,000
Rural Route Action Plan Measures as identified in Paragraph 3.5	£15,000
TOTAL	£130,000

3.5 Rural Route Action Plans

A significant proportion of the most serious and fatal road accidents in East Ayrshire occur on rural single carriageway roads. This additional budget will enable the Roads Division to accelerate the provision of road safety measures on the remaining A class routes in East Ayrshire as detailed in Table 5 below.

TABLE 5

‘A’ Class Route	Estimated Cost
A71	£64,000
A736	£40,000 (EAC section)
A735	£76,000
A719	£84,000
A759	£12,000
TOTAL	£276,000

It is proposed that works will commence with the routes with the most serious accident record which are the A736 and A71. A rolling programme will be implemented on the remaining ‘A’ class routes as funds permit, thereafter the need for measures on similar B class routes will be considered.

A large section of the A736 is in North Ayrshire. North Ayrshire Council have agreed to participate in the design of co-ordinated road safety measures over the length of the route within the two council areas. North Ayrshire Council will be responsible for funding any measures undertaken in their area.

3.7 Strathclyde Partnership for Transport (SPT), Bus Infrastructure Improvements

In recent years many bus stops have been upgraded with funding from Scottish Executive Public Transport Funds (PTF) and WESTRANS. To date raised kerbs have been provided at 248 bus stops and 132 new bus shelters have been erected. Funding for strategic transport schemes is now being channelled through the new Strathclyde Partnership for Transport (SPT). £150,000 has been allocated to East Ayrshire Council for further improvements to bus infrastructure in 2006/07.

The bus infrastructure improvements include raised kerbs to allow easier access to and from buses, improved lighting where needed, new bus shelters and information boards. Each location will be subject to a detailed site survey and local consultation.

The locations being considered for improvement are set out in Table 6.

TABLE 6

Kilmarnock, Dundonald Road
Kilmarnock, Holmes Road
Kilmarnock, Mount Avenue
Kilmarnock, Dundonald Road
Kilmarnock, Glasgow Road
Kilmarnock, London Road
Ochiltree, B7036, Mill Street
Coalhall, A70
Skares, Skares Road
Drongan, Littlemill Road
Drongan, Watson Terrace

3.8 Strathclyde Partnership for Transport (SPT), Regional Cycle Routes

Since 1996, the Department has provided approximately 23 kilometres of cycle routes in East Ayrshire. These include the N73 National Cycle Route to Irvine and a new section of cycle path from Southcraigs, in the north of Kilmarnock, to Dalmusternock, near Fenwick. The Strathclyde Partnership for Transport (SPT) has provided funding to complete the footway and cycle route from Dalmusternock to the cycle path on the A77, via Fenwick.

3.9 Prudential Borrowing for Traffic Signals – The first phase of traffic signal upgrades was approved by the Committee at the Development and Property Services meeting on the 23rd August 2005. The appointment of a specialist traffic signals contractor has been delayed, however, this tranche will commence shortly. It is now proposed to upgrade a further phase of traffic signal installations as listed in Table 7 below, to improve the reliability of the signals and reduce the future maintenance burden for the Council. Upgrading work will include new facilities for disabled people, including the provision of tactile slabs and rotating cones.

TABLE 7

LOCATION	ESTIMATE
Cumnock, New Bridge St (Pelican)	£5,000
Cumnock, Glaisnock St Ayr Road	£7,000
Kilmarnock, Low Glencairn / Holmquarry Road	£6,000
Kilmarnock, Western Road, Nr Knockinlaw Road (Pelican)	£3,000
Kilmarnock, Hill St / Witchill Place (Pelican)	£7,000
Kilmarnock, West Shaw / Mill St	£1,000
Kilmarnock, London Road / Holehouse Road	£8,000
Darvel, west Main / Hastings (Pelican)	£1,000
Auchinleck, Main Street Nr Well Road (Pelican) Note: Awaiting statutory undertakers to finish their works prior to signal refurbishment.	£5,000
Cumnock, Lugar Street / Tanyard junction.	£20,000
Kilmarnock, Western Road near Innellan Drive (Pelican) To be co-ordinated with developers relocation of traffic signals.	6,000
TOTAL	£69,000

4. LEGAL IMPLICATIONS

4.1 Traffic Regulation Orders will be require to be promoted for the introduction of mandatory 20 mph zone schemes. When required, an Order will be promoted in accordance with the requirements of the Road Traffic Regulation Act 1984, as amended and the Local Authorities' Traffic Orders (Procedure) (Scotland) Regulations 1999. The Statutory process for promoting an Order includes extensive consultation and a period of advertisement during which the public has the right to make objections. The minimum timescale for an order is generally approximately 9 months. However, this time can be significantly increased if there are objections from the public.

A Road Humps Notice will be processed under the terms of the Road Scotland Act 1984 when required.

5. FINANCIAL IMPLICATIONS

5.1 Road Safety measures will be funded from the various budgets as stated in paragraph 2.1

5.2 There will be added maintenance costs arising from the need to maintain traffic calming measures, cleanse and maintain new road signs and cleanse new bus shelters on a regular basis.

6. POLICY IMPLICATIONS

6.1 The respective programmes have been designed to meet the Council's Local Transport Strategy objectives in terms of reducing road accidents, encouraging cycling walking, increasing the usage of public transport and improving access for communities and vulnerable road users, as appropriate.

7. COMMUNITY PLAN IMPLICATIONS

7.1 The Road Safety programmes will provide benefits to communities throughout East Ayrshire through improvements to road safety;

Rural route action plans and improvements to bus infrastructure will enhance access, work and educational opportunities.

Cycling Walking and Safer Streets and 20mph Zones will encourage walking and cycling to improve the environment and promote a healthy lifestyle.

8. RECOMMENDATIONS

8.1 It is recommended that the Committee : -

- (a) notes the contents of the report; and
- (b) agrees to the implementation of the works programmes as outlined in section 3 of the report

James Lavery
Executive Director of Development Services
6 June 2006
NB - FV

BACKGROUND PAPERS

1. Capital Road Safety Programme, Development Services Committee, 29 June 2004
2. Road Safety Programmes for 2004-05, Development Services Committee, 4 May 2004
3. A70 and A713 Rural Route Action Plan Leaflets.

For further information on this report, please contact Keith Orton, Principal Engineer, Roads Division, Traffic Section (Tel: 01563 555714)

Implementation Officer: Neil Bell, Senior Engineer, Roads Division, Traffic Section (Tel: 01563 555579)

APPENDIX 1

CAPITAL ROAD SAFETY PROGRAM
ROAD SAFETY PROPOSALS - REVISED SCHEMES
SUMMARY OF COST/BENEFIT ANALYSIS

TABLE 1

ROUTE	NO. OF ACCIDENTS IN 3 YEAR PERIOD				ESTIMATED COST OF REMEDIAL MEASURES	ESTIMATED ACCIDENT SAVINGS (3 YEAR)	ESTIMATED ACCIDENT SAVINGS %	FYRR %	NATURE OF PROPOSED MEASURES *	COMMENT	
	FATAL	SERIOUS	SLIGHT	TOTAL							COST OF ACCIDENTS
A71, West of Galston	0	0	7	7	£ 863,667.00	£5,000	£ 492,290.00	57.00%	3281%	G, J, K	Anti-skid + Improved Signs and Road Markings
A735, Wardhead/Lochridge, S. of Stewarton	0	0	7	7	£ 863,667.00	£4,000	£ 371,377.00	43.00%	3095%	J, K, G	Improved Signs and Road markings. Potential limited use of Anti-skid
A70, at Coalhall	1	1	11	13	£ 1,603,953.00	£15,000	£ 801,976.00	50.00%	1782%	M, K, J, H	Gateways, Double White Lines, Interactive Signs and anti-skid
C117 South of Stewarton	0	2	10	12	£ 1,480,572.00	£12,000	£ 592,229.00	40.00%	1645%	G, J, K	widening. Also check with Operations regarding surface dressing.
C36 south of Benston Smithy (Hall of Auchincross)	0	1	2	3	£ 370,143.00	£5,000	£ 210,982.00	57.00%	1406%	G,J, K	Anti-skid + Improved Signs and Road Markings
London Road / Culzean Crescent / Linfern Avenue	0	1	4	5	£ 266,905.00	£5,000	£ 160,143.00	60.00%	1067%	J, K	Improve signs and road markings and provide right turn lane
A71, East of Bellfield Interchange	0	2	7	9	£ 1,110,429.00	£20,000	£ 632,945.00	57.00%	1055%	G, J, K	Anti-skid + Improved Signs and Road Markings
A759, Gatehead	0	3	4	7	£ 374,906.00	£20,000	£ 243,689.00	65.00%	406%	F, J, K	Traffic Calming = improved signs and Road Markings
Holehouse Road / Grassyards Road	0	0	4	4	£ 214,232.00	£15,000	£ 128,539.00	60.00%	286%	E, J, K	Footway construction to "tighten" junction
A70, Barrhill Road, Cumnock	0	2	4	6	£ 530,817.00	N/A	N/A	N/A	N/A	N/A	No treatable clusters or pattern
High Street, Stewarton	0	2	4	6	£ 321,348.00	N/A	N/A	N/A	N/A	N/A	No Identifiable or Treatable Pattern
Glaisnock Street, Cumnock	0	2	3	5	£ 267,790.00	N/A	N/A	N/A	N/A	N/A	Treated under QBC measures
B7038, Ayr Road at Caprington, Kilmarnock	0	0	4	4	£ 214,232.00	N/A	N/A	N/A	N/A	N/A	No Identifiable or Treatable Pattern
A70, Ayr Road, Ochiltree	0	2	2	4	£ 214,232.00	N/A	N/A	N/A	N/A	N/A	Recently been treated with anti-skid and part time 20mph speed limit
B705, Catrine	0	2	1	3	£ 160,674.00	N/A	N/A	N/A	N/A	N/A	Treated under QBC measures
A71, at Co-op, Galston	0	0	2	2	£ 107,116.00	N/A	N/A	N/A	N/A	N/A	20 mph Part Time Speed Limits Have Been Introduced
A719, at Polbaith, South of Moscow	0	0	1	1	£ 123,381.00	N/A	N/A	N/A	N/A	N/A	No Identifiable or Treatable Pattern
Polwarth Street, Galston	0	0	0	0	£ -	N/A	N/A	N/A	N/A	N/A	No Accidents in Past 3 Years
TOTALS	1	20	70	91	£ 9,088,064.00	£101,000	£ 3,634,170.00		1200%		

NOTE - COST OF AN URBAN INJURY ACCIDENTS IS £53,558
 COST OF A RURAL INJURY ACCIDENT IS £123,381
 (SOURCE - ROAD ACCIDENTS SCOTLAND 2004)

- * LEGEND**
- | | | |
|--------------------------|-----------------------------|---------------------|
| A - PEDESTRIAN GUARDRAIL | F - SPEED TABLES / CUSHIONS | L - MINI ROUNDABOUT |
| B - PELICAN CROSSING | G - ANTI-SKID TREATMENT | M - GATEWAY FEATURE |
| C - TOUCAN CROSSING | H - RED TEXTURED SURFACING | N - CYCLE LANE |
| D - REFUGE ISLAND | J - TRAFFIC SIGNS | P - TRAFFIC LIGHTS |
| E - BUILD OUTS | K - ROAD MARKINGS | Q - SAFETY FENCE |