

## EAST AYRSHIRE COUNCIL

### DEVELOPMENT SERVICES COMMITTEE – 6 March 2007

#### ROADS AND STRUCTURES DESIGN CAPITAL PROGRAMME FOR 2007/08

##### Report by Executive Director of Development and Property Services

#### 1. PURPOSE OF THE REPORT

- 1.1 The purpose of the Report is to seek the Committee's approval of the Roads and Structures Design Capital Programme for 2007/08.

#### 2. BACKGROUND

- 2.1 The 2007/08 Capital Programme is the subject of a separate report to this Committee.
- 2.2 Based on the proposed allocation to Bridge Strengthening and Culvert Replacement contained in the 2007/08 Capital Programme, this Report details the proposed 2007/08 bridge and culvert Capital schemes for the Committee's approval.

#### 3. THE PROPOSED ROADS & STRUCTURES DESIGN CAPITAL PROGRAMME

- 3.1 Within the anticipated overall capital allocation to the Roads and Transportation Division the following proposed allocations have been made to Roads and Structures Design Schemes for the financial year 2007/08;

Bridge Strengthening and culvert replacement - £400,000

Refurbishment of the multi-storey car park - £50,000

#### 4. BRIDGE STRENGTHENING AND CULVERT REPLACEMENT

- 4.1 The proposed Bridge Strengthening and Culvert Replacement Programme is as follows:

<b>Proposed Schemes</b>	<b>2007/08</b>	<b>Estimated Costs</b>
C134 Birkhill Bridge Replacement		£150,000
Assessment of Council Bridges		£110,000
Assessment of Network Rail Bridges (or assessment of Council Bridges)		£50,000
A713 Dunaskin Bridge Widening		£23,000
A71 Allanton Plains Culverts - Strengthening		£35,000

B7036 Burnhouse Cottage Culvert – Invert replacement	£6,000
B7036 Stevenson Culvert – Strengthening	£26,000
Total	<u>£400,000</u>

- 4.2** Birkhill Bridge on the C134 near Lanfine Estate, Darvel is a 1.6m span culvert under a 4m high embankment. The culvert has suffered varying degrees of failure including the total collapse of one of the parapets and retaining wall and requires to be replaced. The tenders for this scheme have been returned and the contract has been awarded to Kelburne Construction Ltd, at a cost of £166,742.70. The project commenced in February 2007 and is programmed to be completed in early summer. A budget of £60,000 was approved in the 2006-07 capital programme. However, because of slippage in the programme, it is anticipated only £20,000 will be spent in the year to April 2007. £150,000 has been allocated in 2007-08 for the completion of the works.
- 4.3** £110,000 has been allocated to engage specialist consultants to carry out Council bridge assessments, as part of the Council's obligation to assess all bridges against current European loading standards.
- 4.4** A further £50,000 has been allocated to Network Rail under the Council's obligations to fund the loading assessment of all road-over-rail bridges. This should complete the outstanding programme of assessment of road over rail bridges in East Ayrshire. In the event that Network Rail does not proceed with the assessments of road over rail bridges in 2007-08, it is proposed that this budget will be used to commission consultants to extend the programme of assessments of Council bridges set out in 4.3 above.
- 4.5** Dunaskin Bridge on the A713 at Waterside spans the Dunaskin Burn and has no footway facility. Pedestrians are forced to use the carriageway to cross the bridge. It is proposed to widen the bridge on the downstream side to provide a pedestrian footway. An allocation of £27,000 from the Environmental Initiative Budget was approved in 2006-07 for this scheme. Subject to this funding being carried forward into 2007-08 and successful resolution of significant land acquisition issues it is proposed to commit the necessary funds to allow this scheme to be implemented. Based on the £50,000 estimated cost of the works an allocation of £23,000 is anticipated.
- 4.6** Two masonry arch culverts at Allanton Plains near Darvel which carry the A71 road show various degrees of damage and failure and require to be strengthened via a combination of pressure pointing/stone patching and pipe lining/infilling in order to extend their life span. The cost of these works is estimated at £35,000.
- 4.7** Burnhouse Cottage Culvert on the B7036 near Ochiltree has severe scour damage to the invert which is undermining the abutments and threatening the stability of the

culvert. Replacement of the scoured stone invert is proposed at an estimated cost of £6,000.

- 4.8** Stevenson Culvert on the B7036 near Ochiltree is a 1.55m corrugated steel pipe structure showing varying degrees of corrosion failure. It is proposed to strengthen this structure via internal sleeving at an estimated cost of £26,000.

## **5. REFURBISHMENT OF THE MULTI-STOREY CAR PARK**

- 5.1** The multi-storey car park has been substantially upgraded in recent years and the decks are now bright and attractive. The stairwells have also been refurbished and CCTV and brighter lighting installed, enhancing security.
- 5.2** £50,000, has been allocated for the continuation of this upgrading programme in 2007/08. This will include the refurbishment of the main entrance and a contribution towards the general upgrading of the multi-storey required to complement the Top of the Town development.

## **6. LEGAL IMPLICATIONS**

- 6.1** Nil

## **7. FINANCIAL IMPLICATIONS**

- 7.1** The schemes will be funded from the Roads and Transportation Division's Capital Allocation for 2007/08.

## **8. POLICY IMPLICATIONS**

- 8.1** The proposed programme is in accordance with the Council's Local Transport Strategy.

## **9. COMMUNITY PLAN IMPLICATIONS**

- 9.1** The projects within the Roads and Structures Design Capital Programme 2007/08 are needed to maintain the fabric of the road network and will contribute to the Improving Opportunities and Community Safety themes in the Community Plan.

## **10. RECOMMENDATIONS**

- 10.1** It is recommended that the Committee approves the Roads and Structures Design Capital Programme as outlined in Section 4 of the Report.

**James T Kane**  
**Acting Executive Director of Development and Property Services**

**13 February 2007**

**KO/AEI/YK**

**BACKGROUND PAPERS**

**NIL**

For further information on this report, please contact Alan Ierland, Principal Engineer, Roads and Bridge Design (Tel: 01563 555759).

Implementation Officer: Alan Ierland, Principal Engineer, Roads and Bridge Design (Tel: 01563 555759)