

REPORT TO: CITY DEVELOPMENT COMMITTEE - 23 MAY 2011

REPORT ON: TRANSFER & REPLACEMENT OF URBAN TRAFFIC CONTROL AND RELATED CCTV EQUIPMENT REQUIRED BY THE DEMOLITION OF TAYSIDE HOUSE

REPORT BY: DIRECTOR OF CITY DEVELOPMENT

REPORT NO: 221-2011

1 PURPOSE OF REPORT

- 1.1 To seek the approval for the replacement and upgrading of the CCTV facilities associated with Urban Traffic Control and Public Safety, etc currently located at Tayside House.

2 RECOMMENDATION

- 2.1 It is recommended that the Committee approve the replacement and upgrading of this equipment and remit the Director of City Development to enter into a contractual partnership with the firms listed in paragraph 4.8 for the provision of these services.

3 FINANCIAL IMPLICATIONS

- 3.1 The overall project, including the sums listed in Report 204/2011, is estimated to have a capital cost of approximately £280,000 and a non-recurring Revenue cost of approximately £30,000. The revenue cost can be contained within the City Development Department Revenue Budget for 2011/12. £150,000 of the Capital cost can be met from TACTRAN and the remaining £130,000 can be contained within the City Development Department's Capital Budget for 2011/12. The contribution of £150,000 by TACTRAN has been approved by the Partnership's Executive Committee.

4 BACKGROUND

- 4.1 Tayside House is currently the base for the city's Urban Traffic Control Centre, including the Traffic Light Management System, the Real Time Bus Information system and the Car Park Space Information System. Urban Traffic Control is integrated with Public Space CCTV, which is owned by the Council but located in Tayside Police Headquarters, and then connected to Tayside House by high capacity fibre optic cables.
- 4.2 All of this complex technology together with its cabling and ducting needs to be replaced in Dundee House and linked to Police Headquarters if these current capabilities are to continue to be available after Tayside House closes in the autumn of 2011. Key public space cameras located on the roof of Tayside House also have to be replaced elsewhere. Failure to carry out this work would have very severe implications for traffic movement, public transport, and public space surveillance in the city.
- 4.3 The situation is complicated by the fact that most of the current CCTV hardware and software in both Tayside House and Police Headquarters is around 13 years old, which is beyond the end of its reasonable lifespan, and at the limit of its capacity to

accept further UTC and Public Space cameras. So both for reasons of age and capacity, these control systems need to be replaced as part of the transfer.

- 4.4 As far as the CCTV element of the work is concerned, it is recommended that the Council should move away from the traditional solution of linking cameras to the central control system at Police Headquarters by expensively rented fibre optic cable. Newer technologies, involving both 'line of sight' secure wireless transmission and digital signals through the Council's IT network offer the prospect of significantly reduced revenue costs and are more flexible. This is the preferred solution for connecting cameras affected by the closure of Tayside House.
- 4.5 As an urgent first step in this project, it is requested that the Committee should approve Report 204/2011 for the letting of an initial contract for the construction of a street duct from Dundee House to Police Headquarters and the supply and installation of a 48 core fibre optic cable between the Control Rooms in these buildings. It will provide an essential high capacity communications link between the buildings.
- 4.6 The estimated capital cost of the project as a whole is £280,000, plus a revenue cost of £30,000 relating to the relocation of existing equipment, and the diversion of rented telephone cables. Due to the project's very specialised nature and complex technology and interactions, it will not be possible to seek competitive tenders for the vast majority of the work, and it is requested that the Committee should agree to partnering with specialised contractors to ensure the integrity of the final result.
- 4.7 The Partners recommended for the various main elements of this project are:-

Scotshield Ltd: Currently the term contractor to the Tayside local authorities for Public Space CCTV maintenance and minor works, Scotshield would install CCTV Cameras, Masts, equipment cabinets, power supplies, and local wiring based on previously tendered rates.

Aerelink Ltd: - Currently the contractor to the Council's IT Division for Wireless Transmission aerials, Aerlink would install aerials on CCTV masts; on Caird Hall and on Dundee House, and related local wiring to communications cabinets and Control Rooms based on previously tendered rates.

Siemens Traffic Controls: Currently the provider of traffic light technology to the Council, Siemens Traffic Controls would install updated traffic light control technology in the UTC Control Centre in Dundee House based on previously tendered rates.

Siemens Building Technologies: This Company is a leading supplier of CCTV technology to local authorities, with long experience and a specialism in wireless transmission systems. Due to the Council's lack of in-house specialist expertise in such systems, it is recommended that the Council partners with Siemens Building Technologies for system design and installation of signal decoding equipment for both ends of wireless transmission routes, a new matrix, other control & signal processing equipment for the main control room in Police Headquarters, and the supply and installation of screens, keyboards and monitors for the new UTC Control Room in Dundee House.

ACIS: Currently the manufacturer and provider of the Council's Real Time Bus Information System, ACIS would alter and re-install the system in Dundee House and

also alter and recommission the radio transmission system on which it depends based on previously tendered rates.

Dambach: Currently the manufacturer and provider of the Council's Car Park Sign Capacity System, Dambach would alter and re-install the system in Dundee House and also alter and recommission the radio transmission system on which it depends based on previously tendered rates.

Other contracts will involve street works by Tayside Contracts to be undertaken within the existing partnering arrangement, and works such as the re-routing of numerous British Telecom cables which can only be done by British Telecom.

5 POLICY IMPLICATIONS

- 5.1 This Report has been screened for any policy implications in respect of Sustainability, Strategic Environmental Assessment, Anti-Poverty, Equality Impact Assessment and Risk Management. There are no major issues.

6 CONSULTATIONS

- 6.1 The Chief Executive, Depute Chief Executive (Support Services), Director of Finance and Assistant Chief Executive have been consulted and are in agreement with the contents of this report.

7 BACKGROUND PAPERS

- 7.1 None

Mike Galloway
Director of City Development

MPG/GJF/MS

12 May 2011

Dundee City Council
Tayside House
Dundee