

ITEM No ...4.....

REPORT TO: COMMUNITY SAFETY AND PUBLIC PROTECTION COMMITTEE –
24 AUGUST 2020

REPORT ON: COMPLETION OF PUBLIC SPACE CAMERA AND NETWORK UPGRADE -
PHASE 3

REPORT BY: EXECUTIVE DIRECTOR OF CITY DEVELOPMENT

REPORT NO: 186-2020

1 PURPOSE OF REPORT

- 1.1 This report updates members on the proposed final phase to complete the upgrade of Dundee's public space camera system, and seeks approval from Elected Members to purchase the final cameras and Wi-Fi connection equipment, along with video search software.

2 RECOMMENDATIONS

- 2.1 It is recommended that the Committee:
- a approves expenditure of £123,599 which can be contained within the 2020/21 capital budget for:
 - i phase 3 Wi-Fi connections & existing Wi-Fi upgrades from the Rapier contract;
 - ii phase 3 camera replacements from the Scottish Communications Group contract;
 - iii the purchase of smart city video search software;
 - iv CDM (construction design management) fees.
 - b delegates the Executive Directors of City Development and Corporate Services to procure within the above capital allowance the following item:
 - i smart city video search software, in collaboration with P&KC, Angus Council and Scottish Police Authority. Tayside Procurement Consortium (TPC) will provide procurement support to develop a procurement strategy for this video search software.

3 FINANCIAL IMPLICATIONS

- 3.1 The Executive Director of Corporate Services has confirmed that funding of £123,599 is available from the Capital Budget for the purchase of the final phase of the public space camera replacements and network upgrade to a digital infrastructure. All above expenditure apart from the CDM (construction design management) fees are eligible for 39.04% ERDF "Smart Cities" funding. Details are available in Appendix 1. This is part of the Scottish Cities Alliance Smart Cities Programme and part of the Council's transformation programme Changing for the Future 2022.
- 3.2 Estimated annual maintenance for the phase three public space 10 wireless links is £5,000 with a small revenue saving transferring from leased analogue fibre to digital wireless being achieved. This revenue expenditure will be met within the existing City Development Services' public space revenue budget.
- 3.3 Upgrades and annual maintenance estimates for smart city video search software are year one £3,800, year two £3,400 and year three £3,000. This revenue expenditure will be met within the existing City Development Services' public space revenue budget.

4 BACKGROUND

- 4.1 Dundee currently has 88 public space cameras, of which 42 are used for traffic management and can be monitored in Dundee House by DCC's Urban Traffic Control (UTC) team during peak times and to control traffic during events and road works. All 88 public space cameras can be monitored 24/7 by Police Scotland camera operators from their West Bell Street control room. Dundee's public space cameras are regarded as an essential policing tool and assist DCC's Urban Traffic Control team to manage traffic when required. DCC funds the public space camera system capital costs, camera replacement, maintenance, repairs and transmission costs. Police Scotland funds the West Bell Street property and 24/7 camera operator costs.
- 4.2 Reference is made to Article III of the Policy & Resources Committee of 13 March 2017 (Report [77-2017](#) refers) in December 2016, 39.04% grant funding for the "Smart" technology project elements have been awarded £470,000 from the "Smart City" 8th City ERDF Programme to part fund an upgrade to the public space system.
- 4.3 Reference is made to Article VII of the Community Safety and Public Protection Committee of 3 June 2019 (Report [61-2019](#) refers) to the acceptance of a tender by Tayside Procurement Consortium for the enhancement and centralisation of Tayside's public space camera system at West Bell Street Police Station.
- 4.4 Reference is made to Article IV of the Community Safety and Public Protection Committee of 18 September 2019 (Report [275-2019](#) refers) updating the Committee on the ongoing project to upgrade Dundee's public space camera system and the Safety and Alarm Response Centre (SARC) and seeking approval to purchase SARC equipment, CCTV recorders, and purchase equipment for phase 2 of the public space camera system.

5 NEXT STEPS

- 5.1 DCC has committed to Smart City ERDF (European Regional Development Funding) match of £734k for the Operations Centres Project. Due to ERDF not accepting the Safety and Alarm Response Centre (SARC) recorder expenditure as eligible, it is proposed that the final phase of the public space camera upgrade which is ERDF eligible be purchased instead, which would assist meeting the ERDF match funding requirement and qualifies for Smart City 39.04% funding.
- 5.2 Rapier Systems were awarded the contract for installation, support and maintenance of the wireless data infrastructure in October 2017, following an OJEU Open Tender joint procurement exercise carried out by Tayside Procurement Consortium (TPC), contract reference TPC/Wireless/17/06. TPC is a shared services initiative for the provision of corporate procurement services amongst Angus, Dundee City and Perth and Kinross Councils in association with the procurement arm of Tayside Contracts.
- 5.3 The final phase 3 wireless equipment is being purchased via this contract and the ongoing support and maintenance of the equipment will be covered until the end of the contract. The revenue costs for the new wireless connections will be funded by City Development and will result in a marginal saving on the previous analogue fibre costs.
- 5.4 Scottish Communications Group were awarded the contract for the design, supply, installation, support and maintenance of Tayside's centralised public space smart city/town management system at West Bell Street, Dundee in October 2018, following an OJEU restricted tender process as part of a joint procurement exercise carried out by TPC, contract reference TPC/CCTVSYST/17/25. The 11 phase three cameras will be purchased via this contract. City Development Services have a revenue budget for the ongoing maintenance of the 88 public space cameras.
- 5.5 The 3rd phase of the public space camera and network digitalisation will allow the Council to complete the system upgrade.

- 5.6 All 11 phase three new cameras will be IP (internet protocol) cameras with video analytic capability, to enhance city/town management with the view of achieving the common goal of Smart City/Town aspirations. The smart city cameras will have built in video analytics to alert operators in case of unusual scene activity, e.g. loitering, idle/removed object detection, crowd density estimation, people counting etc. The analytics engine can automatically classify objects as upright people, car, bike or truck. Intelligent tracking controls the pan/tilt/zoom actions of the camera to track objects or individuals live and keep them in view.
- 5.7 The target date for the new centralised Tayside public space system “go live” at Police Scotland, West Bell Street and Urban Traffic Control (UTC), floor 5, Dundee House is September 2020. The phase one and two 76 replacement cameras are being upgraded between March and October 2020. The Site 6 public space camera (opposite V&A) is due to be installed in August. The phase three 11 cameras require to be upgraded before the ERDF deadline of 31 December 2020.
- 5.8 Video search software transforms video into actionable intelligence. P&KC have agreed to share with DCC, the capital and revenue costs of the Smart City video search software. Aberdeen City Council have recently procured video search software and Edinburgh City Council are actively investigating video search software options.

6 POLICY IMPLICATIONS

- 6.1 This report has been subject to an assessment of any impacts on Equality and Diversity, Fairness and Poverty, Environment and Corporate Risk. There are no major issues.

7 CONSULTATIONS

- 7.1 The Council Management Team were consulted in the preparation of this report and are in agreement with its content.

8 BACKGROUND PAPERS

- 8.1 None.

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14 August 2020

APPENDIX 1

PROJECT/ EXPENDITURE	Community Safety/Public Protection - CCTV Project		
PROJECT PROJECT INFORMATION	Tayside Centralised Public Space Camera System and Safety and Alarm Response Centre (SARC) Public space phase 3 - final camera replacement and network upgrade plus video search software		
ESTIMATED START DATES EST COMPLETION DATES	September 2020 31 st December 2020		
TOTAL COST	<u>Public Space</u> Public space wireless network - Rapier 36,100 11 replacement public space cameras - Scottish Communications Group 45,375 Allowance – Video search software 21,134 Allowance – CDM (Construction Design Management) Fees 20,990 TOTAL COST <u>£123,599</u>		
FUNDING SOURCE BUDGET PROVISION & PHASING	Capital Plan 2020-25 – Community Safety and Justice - CCTV Project 2020/2021 Capital Budget (includes ERDF “Smart Cities” 39.04% funding)		£123,599
REVENUE IMPLICATIONS	To be contained within public space revenue budget		
POLICY IMPLICATIONS	There are no major issues.		
QUOTE	Contract Ref TPC/Wireless/17/06	Rapier Systems	£36,100
	Contract Ref TPC/CCTVSYST/17/25	Scottish Communications Group	£45,375
RECOMMENDATION	Acceptance of offers.		
ALLOWANCES SUB-CONTRACTORS	As above None		£42,124
BACKGROUND PAPERS	None		