

Overview and Scrutiny 2022

21st November

CCTV Digitisation Upgrade Report

Relevant Portfolio Holder	Councillor M. A. Sherrey
Portfolio Holder Consulted	Yes
Relevant Head of Service	Judith Willis
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Wards Affected	Wythall, Alvechurch, and Brook Rd Park
Ward Councillor(s) consulted	No
Relevant Strategic Purpose(s)	Communities which are safe, well maintained and green.
Non-Key Decision	
If you have any questions about this report, please contact the report author in advance of the meeting.	

1. RECOMMENDATIONS

Overview and scrutiny committee are asked to note the report.

2. BACKGROUND

The Bromsgrove CCTV has gone through an extensive upgrade following recommendations made during a Review by O and S, in 2018.

All recommendations have been carried and additional improvements have been funded through 5 years of PCC funding.

Members requested an update of the BDC CCTV scheme improvements which was given April 2022. Members then asked if/when all remaining analogue cameras are to be made digital.

Since that report was written the following camera locations are have been made digital by incorporating the cameras into their local wireless network and replacing the camera head with a digital camera:

Camera 2 - Stourbridge Road Car park, Bromsgrove Town Centre

Camera 61 and 62 - Hagley Recreation Ground.

Cameras 46, 47, and 48 - Hewell Rd and Station Approach, Barnt Green.

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All camera within the BDC scheme have been replaced. Most transmission links are now digital, many analogue links have been replaced with wireless connections where cameras have line of sight.

The following 3 locations remain on analogue transmission.

Brook Rd Park, Rubery – There are 2 analogue cameras at this location. Cameras at this location are solely analogue not hybrid. Due to historical installation methods, the cable between the cameras and the BT cabinet cannot be upgraded and would need to be replaced completely with a new digital fibre. Costs for this work plus 2 digital cameras have been estimated at £12,800 (plus a contingency of £7,000 depending on what duct work is required). BT costs to upgrade the circuit are £3,400 capital and increased revenue charges by £615 £ to £1,470.

Wythall – although all cameras have been upgraded to the latest hybrid analogue to digital tech (future proofed for years to come), and providing great image quality now*, the transmission of these cameras is still analogue. The reason for this is that the distance between cameras makes wireless connectivity impossible (as line of sight is required). Therefore, all existing BT fibres would need to be upgraded to digital and there would be 2 days work for the incumbent CCTV contractor and minor equipment costs estimated at £2800. There are four circuits serving these 5 cameras, so the BT costs to upgrade these circuits is £13,600 capital and increased revenue charges by £3,700.22 £ to £5,880.

Alvechurch - currently a mix of analogue and digital transmission. All cameras have been upgraded to the latest hybrid analogue to digital tech (future proofed for years to come), and providing great image quality now*. Two cameras are using digital transmission and three are analogue. To change the 3 cameras to digital settings would cost in the region of £2200. To change all fibres to digital in Alvechurch requires 2 circuits to be upgraded. Capital costs would be £6800 and revenue costs would increase each year by £1,715 to £2,940.

* Note the Hybrid cameras purchased across the District have a digital and analogue output. This means transmission can be either analogue or digital, based upon camera settings. The cameras were purchased to provide good quality analogue images where digital transmission was cost prohibitive, but future proofed to be used in digital mode should the opportunity/need to change transmission arise. Whilst the digital image may slightly sharper the camera functionality is the same, day and night time capabilities are still good.

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3. FINANCIAL IMPLICATIONS

3.1 Cost for each location

Location	CAPITAL Equipment/integration work by CCTV contractor	CAPITAL Transmission upgrade to digital.	REVENUE Annual increase above current revenue costs.
Brook Rd	£19,800	£3,400	£615
Wythall	£2,800	£13,600	£3,700
Alvechurch	£2,200	£6,800	£1,715
TOTAL COST	£24,800	£23,800	£6,030

Capital	£48,600 +VAT	Revenue increase per year	£6,030 +VAT
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Upgrading these transmission systems would benefit the scheme and future proof them going forwards, it is noted that the last 5 years has seen funding from the PCC to support the CCTV project. If members wish to fund the above upgrades, a capital budget bid would be required or alternatively Officers would recommend pausing any decision to determine if any PCC grant funding becomes available in the future.

4. LEGAL IMPLICATIONS

4.1 There are no legal implication

5. STRATEGIC PURPOSES - IMPLICATIONS

Relevant Strategic Purpose

5.1 Communities which are safe, well maintained and green.

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Climate Change Implications

- 5.2 There are no climate change implications

6. OTHER IMPLICATIONS

Equalities and Diversity Implications

- 6.1 There are no equality and diversity implications as these are not new locations to the scheme.

Operational Implications

- 6.2 Down time of the system is limited to only the cameras being worked upon. Down time in these circumstances is usually limited to 48hrs, and in most cases much less.

7. RISK MANAGEMENT

- 7.1 The risk to not carrying out this upgrade work is that in the future BT may no longer support analogue transmission. However recent enquiries do not pose this scenario as an imminent risk.

8. APPENDICES and BACKGROUND PAPERS

Background: Briefing Note April 2022

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9. REPORT SIGN OFF

Department	Name and Job Title	Date
Portfolio Holder	Cllr Margaret Sherrey	
Lead Director / Head of Service	Judith Willis	
Financial Services		
Legal Services	N/A	
Policy Team (if equalities implications apply)	N/A	
Climate Change Officer (if climate change implications apply)	N/A	