

Appendix 1 – CCTV Upgrade Options Appraisal

Solution	Inclusion of expanded CCTV Control Room	Ability to Expand	Network Resilience	Costs
Bronze – Upgrade of existing wireless transmission to enable like for like replacement of network using digital IP equipment. Reliance on existing transmission methods and routes.	No	Very limited - Whilst some potential exists to add additional cameras to existing columns (subject to bandwidth availability), there will be no monitoring capacity available for live viewing and no potential therefore for future income generation.	Low – Continues to rely solely on wireless transmission between camera columns. Risk of service loss / disruption will remain high.	Low - Continues to utilise wireless transmission in each town and therefore both fibre installation and rental costs will be low. Capital - £290,000 Revenue - £54,000
Silver – Reduced reliance on existing transmission methods. Replacement of a number of wireless links with leased fibre connections to improve the resilience of the system.	Yes	Good – Potential to add additional cameras / equipment to existing columns (subject to bandwidth availability). Ability to live view additional cameras via expansion of the CCTV Control Room. Ability to also provide monitoring service for others and increase income.	Good – Provides a good balance between wireless and fibre transmission, providing a second and alternative means of transmission at a number of key locations within the network. Vastly improves the reliability of the network and improves digital imagery.	Good – Provides a good balance between wireless and fibre transmission. Whilst fibre installation and annual rental costs will increase, these will be low in comparison to the Gold and Gold + solutions. Capital - £338,000 Revenue - £59,000
Gold – Replacement of all existing wireless links where feasible with a leased fibre connection.	Yes	Good – Potential to add additional cameras to existing columns (subject to bandwidth availability).	Very High – Almost complete reliance on fibre transmission and therefore a highly	Very High – Both installation and annual fibre rental charges will be costly. This is the most

		Ability to live view additional cameras via expansion of the CCTV Control Room. Ability to also provide monitoring service for others and increase income.	resilient and reliable network.	expensive solution available. Capital - £532,000 Revenue - £110,000
Gold + - Replacement of all existing wireless links where feasible and provision of a council owned fibre network.	Yes	Very Good – Potential to add additional cameras to existing columns. Bandwidth restrictions will be minimised. Ability to live view additional cameras via expansion of the CCTV Control Room. Ability to also provide monitoring service for others and increase income.	High - Almost complete reliance on fibre transmission and therefore a highly resilient and reliable network. However, risk should failures occur will be with the council to resolve as links won't be leased.	Very High – Installation costs will be higher than any other solution. Annual fibre rental costs will be low and comparable to those of Bronze Solution. However, the transfer of risk will be to the council and there are likely to be insurance implications which would offset some of this reduction. Capital - £651,000 Revenue – £72,000

NB: All solutions include the replacement of all existing cameras and transmission equipment on the CCTV network with digital IP technology. All solutions also include the following works as referenced in 5.4 of the Cabinet Report:

- Installation of a relay column in Poulton to replace the failing wireless link due to the loss of line of sight between camera 6 and St Chad's Church. Failure to undertake works at this location will eventually lead to total loss of connection and loss of camera 6.
- Installation of a fibre connection to column 1 in Garstang to reinstate previous fibre connection to the town following relocation of the Tourist Information Centre.

- Installation of a replacement column and camera to the existing (currently redundant) column at the junction of Preston Street and Lord Street, Fleetwood. Replacement of this column whilst not critical to the continued operation of the Fleetwood network, would ensure CCTV coverage at a critical location within the town whilst ensuring advantage is taken of the cost savings to be made by incorporating this work into the wider upgrade project.
- Installation of a camera to the existing (newly installed) column within Mount Park, Fleetwood. Works to install a bespoke camera column within Mount Gardens were undertaken as part of the Mount Restoration Project. Installation of a camera on the column was postponed to enable inclusion in the wider town centre CCTV upgrade so as to avoid any conflict in connectivity with the wider project.