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| CCTV Provision | 14 August 2018 |
| To: The Leisure and Development Committee For Decision | |

| Linkage to Council Strategy (2015-19) | |
|--|--|
| Strategic Theme | Accelerating Our Economy & Contributing To Prosperity |
| Outcome | Review of CCTV |
| Lead Officer | Town & Village Manager |
| Cost: (If applicable) | Within this year's agreed budget, however further costs will be incurred depending on the outcome of ultimate decision |

The purpose of this report is to ask Members for direction in relation to the continuation of service for Public Area CCTV within Causeway Coast and Glens Borough Council following the presentation of findings from the Feasibility study on the public area CCTV provision within the Borough in November 2017, and the subsequent councillor workshop held 14th June 2018.

Background

“CCTV is not a panacea for crime. Studies have shown increases in crime after installation of public space CCTV systems, minor displacement of crime and a host of problems with monitoring, maintenance and system upgrades. Once installed, systems are rarely removed, necessitating a long-term financial commitment. It should also be noted that many crime prevention outcomes are best achieved through a combination of measures, rather than relying solely on one approach, and CCTV is no exception” - **Considerations for establishing a public space CCTV network, Garner Clancy (CHD Partners)**

A copy of the presentation, by Derek Scott of Consultive Solutions, at the workshop has been circulated to members which outlines the current situation and provides recommendations for Council to consider, attached at **Annex A**.

The current provision of cameras is as follows:

| Town | Number of Cameras |
|-------------|--------------------------|
| Ballycastle | 11 |
| Ballymoney | 2 |
| Castlerock | 1 [not operational] |
| Coleraine | 12 |
| Garvagh | 2 |
| Kilrea | 2 |
| Portrush | 7 |
| Portstewart | 3 |

The report also recommends the installation of 10 cameras in Limavady, which would increase Council's final holdings to 50 cameras.

From the report by Consultive Solutions:

"Based on the reported crime figures and consultation with the PSNI the following crime threats are prominent and should be considered when addressing future options:

- *Anti-Social Behaviour.*
- *Violence and Sexual Offences.*
- *Shoplifting.*
- *Criminal Damage and Arson.*

(A town by town tally of the recorded incidences are included in **Annex B**).

"It is reasonably safe to assume that many of the offences are linked to the consumption of alcohol. Whilst the deployment of CCTV may not directly deter these events, it will assist the police with the investigation of such events."

The current cost to Council for the provision of public area CCTV is around £100,000 per annum.

The recommended option cost, which includes design of infrastructure, tender process and implementation of the option is an initial outlay of £477,100 for year 1, with subsequent costs of around £121,000 per annum, in years 2-5. Costs may reduce depending on specification and towns to be covered.

(The current estimate as outlined above is also included in the **Annex B**).

Review

The Review of Need showed the following: [as per presentation received by members]

- Stakeholder interviews indicate a beneficial impact in Coleraine, Portrush and Portstewart.
- Review of reported crime figures indicate a potential benefit of CCTV in Coleraine, Portrush, Portstewart and Limavady.
- PSNI are very positive about the use of CCTV in prevention and proactive monitoring of hot spots.

Technological findings: [as per presentation received by members]

- CCTV performance is generally acceptable, but equipment will require an upgrade in 2 to 3 years.
- Some CCTV units are producing very poor quality images.
- Control system is poor and does not fit with operational requirements and compliances.
- Recording system and monitoring facility is poor and not fit for operational purpose.
- BT Fibre links to PSNI are restrictive.
- BT broadband links are poor and restrict the effectiveness of the CCTV.
- Some of the wireless deployments are unreliable due to placement.

At the presentation on the 14th June the consultant emphasised the point that if council decide to continue providing public area CCTV, the system employed needs to:

1. Be fit for purpose.
2. Look to include value added functions or additional services to enable future sustainability.
3. Cover areas of identified need.

The current solution in place is now “out of contract”. It is also apparent that the equipment which is in place is now heading towards obsolescence. The wholesale switch-off of CCTV would be unpalatable to all stakeholders, however, in terms of the CCTV currently implemented, it is Council who solely fund the initiative.

To date, there has been no indication that the PSNI is in a position to contribute to the scheme, and the projected costs of the top-of-the-line replacement would be prohibitive within the current budgetary constraints.

Officers now wish to proceed with – at the very least – providing a solution which meets procurement requirements, which gauging direction from Members about a solution, will be satisfactory for at least the next five years.

Recommendation

With the research conducted and an overview of the current position, officers request the consideration of the following position:

1. Does Council wishes to continue to provide CCTV in the Borough?

If the answer to the above is yes, it is recommended that:

2. Council officers re-engage with the PSNI to immediately gauge a final position on the issue of matching / co-funding.
3. The provision is revisited and limited to the towns in the Borough i.e. Coleraine, Limavady, Ballycastle, Ballymoney, Portrush and Portstewart, (based on the observation in the Consultative Solutions report as detailed in Annex B), including extending the provision for major events.
4. Costed options are devised accordingly for Council’s further consideration.



Delivery by Definition –

Consultive - Pertaining to consultation; determined by consultation or reflection; maturely considered

Project – Causeway Coast and Glens – CCTV Feasibility

Review of Current CCTV deployment in – Coleraine
Portrush
Portstewart
Garvagh
Kilrea
Castlerock
Ballycastle
Ballymoney

Approach to Project

Review current service and effectiveness

Define the need

Provide future development options

Review of the need –

No tangible historical data to support effectiveness and input of CCTV into crime investigations

However –

Stakeholder interviews indicate beneficial impact in Coleraine, Portrush and Portstewart

Review of reported crime figures indicate potential benefit of CCTV in Coleraine, Portrush, Portstewart and Limavady

PSNI very positive about the use of CCTV in prevention and proactive monitoring of hot spots

Deployment of CCTV will support Purple Flag applications

Development of towns and villages can be supported with the correct deployment of CCTV



Operational Findings–

Lack of operational data/ no audit trail/ system availability data/ service support

Poor technology deployment reduces efficiency and quality

Potential limited effectiveness due to monitoring time restrictions

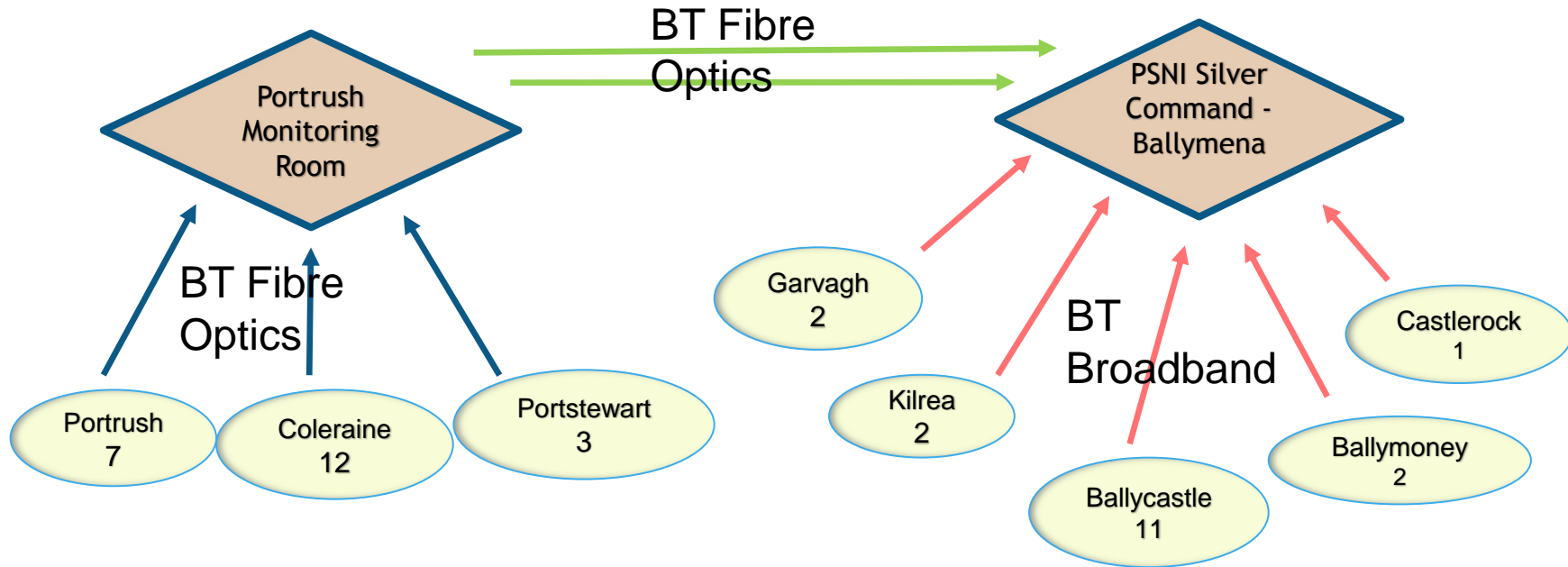
Disjointed operation between monitoring position and PSNI with no aligned reporting to the council

Single service CCTV provision

IDS monitoring is contracted out to third party

Overall running costs were found to be high for the Safer Causeway System

Current CCTV Deployment–



Technological Findings–

CCTV performance generally acceptable, but equipment will require upgrade in 2 to 3 years

Some CCTV units are producing very poor quality images

Control system is poor and does not fit with operational requirements and compliances

Recording system in monitoring facility is poor and not fit for operational purpose

BT Fibre links to PSNI are restrictive

BT broadband links are poor and restrict the effectiveness of the CCTV

Some of the wireless deployments are unreliable due to placement

Recommendation Process

Review of the need and if needed what is required – Do you need as many cameras?

Provide migration path to improve system at each stage

Look to include value added functions or additional services

Ensure the recommendations reflect the user needs

Then, and only then, look at technology

Develop long term technological solutions with limited restrictions

Operational Recommendations –

Ensure compliance and need with Privacy Impact Assessments (PIA) and Operational Requirements (OR)

Review and or renegotiate monitoring service contract

Develop multi-service monitoring provision

Provide integrated audit/ incident monitoring and reporting function

PSNI (silver command) should be an extension of the system

Technological Recommendations –

Upgrade to “private wireless” local networks

- Will introduce savings against current BT costs.
- Can be deployed to provide additional services over and above CCTV
- Allows the ability to take advantage of new and developing technology

Deploy an open platform

- Allows the ability to take advantage of new and developing technology
- Provides an infrastructure that additional council and third party services can be integrated to
- Reduces the risk of having a “one system one provider” scenario

Upgrade to distributed server based recording platform

- Provides resilience and reliability across the system
- Allows local high quality recording at all times
- Reduces the load on networks and transmission infrastructure

Technological Recommendations –

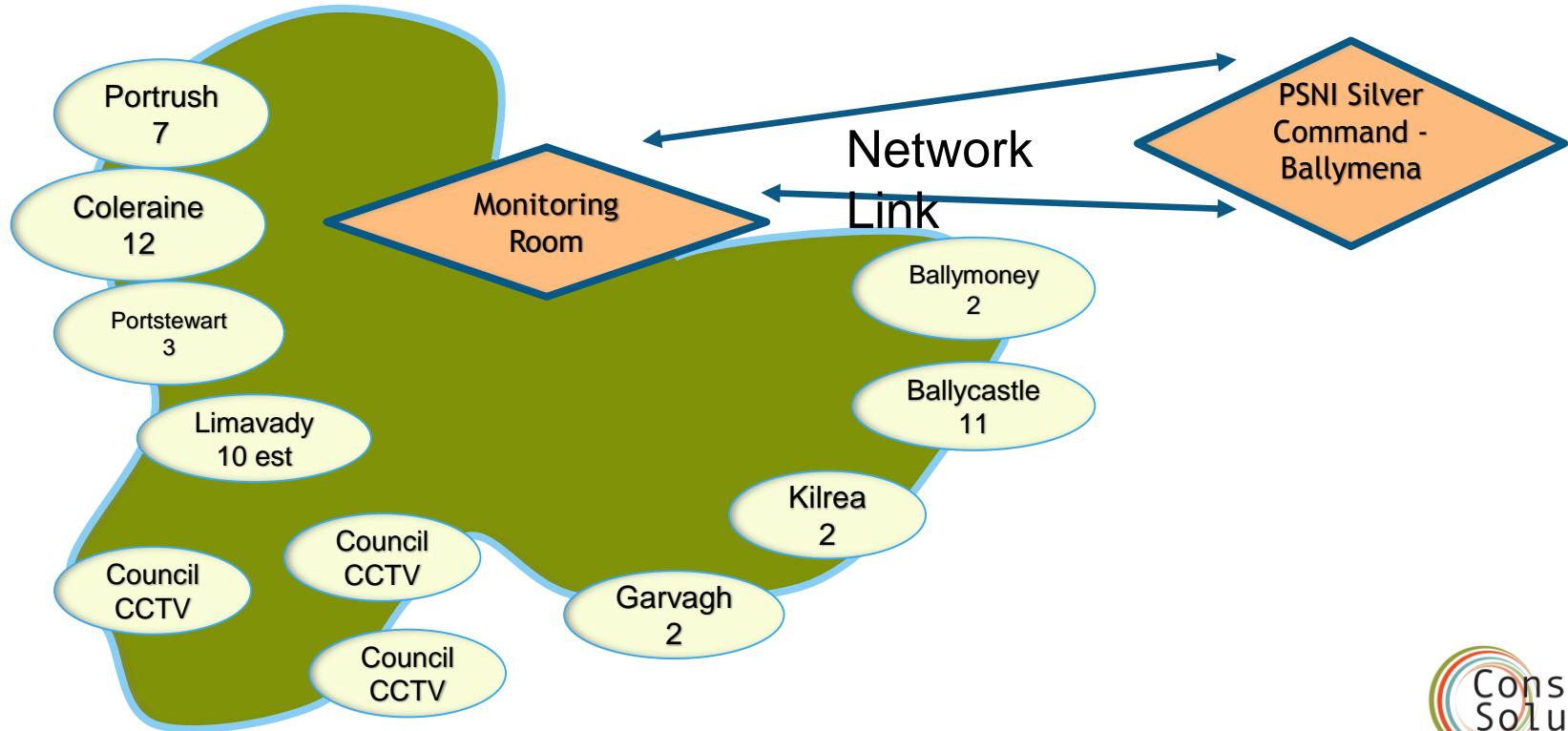
Upgrade to IP CCTV units relevant to OR

- Provides higher quality images, high quality recording, better coverage with fewer cameras
- Deployment of static cameras instead of PTZ can improve efficiency and reduce service costs
- New technology allows the deployment of additional functions such as ANPR and analytics

Upgrade control software to provide integrated control facility with event management, reporting and audit trail

- Allows full management and reporting of the CCTV control system
- Ensures common management reporting compliancy
- Many manual functions can be automated
- Allows PSNI to be part of, but logically isolated from, the system

Deployment Recommendation –



Comprehensive Considered approach is as follows:

| | |
|--|--|
| Current cost to Council for Public area CCTV | approx. £100,000 per annum |
| Recommended Option cost to include: Design of infrastructure, tender process and implementation of recommended option over 5 year period. | Year 1 £477,100 Years 2-5 £121,400 per annum *N.B. costs may reduce depending on specification |

Thank You



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Any Questions?



Camera Deployment**Coleraine**

- Coleraine currently has 12 CCTV cameras, purchased as part of the Safer Causeway project.
- Transmission to the monitoring centre is via BT leased fibre optic circuits.
- The performance of the CCTV cameras was adequate in the conditions reviewed.

Portrush

- Portrush currently has 7 cameras, purchased as part of the Safer Causeway project.
- 5 cameras are transmitted to the monitoring centre is via BT leased fibre optic circuits.
- Two of the cameras are transmitted to the monitoring centre is via wireless point to point links.
- It was noted at the time of the visit, that one of these links was not correctly setup and or configured which resulted in the intermittent loss of signal. This was still evident when reviewing the CCTV images from the PSNI Silver Command four weeks later.
- The performance of the CCTV cameras was adequate in the conditions reviewed.

Portstewart

- Portstewart currently has 3 cameras, purchased as part of the Safer Causeway project.
- Transmission to the monitoring centre is via BT leased fibre optic circuits.
- The performance of the CCTV cameras was adequate in the conditions reviewed.

Garvagh

- Garvagh currently has 2 cameras.
- These cameras are viewable by PSNI via a shared broadband link.
- The cameras were viewed at the Ballymena Silver Command via the remote broadband link.
- The performance of the cameras was poor due to the transmission link.

Kilrea

- Kilrea currently has 2 cameras.
- These cameras are viewable by PSNI via a shared broadband link.
- The cameras were viewed at the Ballymena Silver Command via the remote broadband link.
- The performance of the cameras was poor due to the transmission link.

Ballycastle

- Ballycastle currently has 11 cameras.
- These cameras are viewable by PSNI via a shared broadband link.
- The cameras were viewed at the Ballymena Silver Command via the remote broadband link.
- The performance was seen to be poor due to the transmission medium and latency of telemetry control.
- It was noted that the main wireless link to the transmission point gets regularly broken when high sided vehicles pass through the transmission path. This causes freezing of images and loss of PTZ control and is a significant risk to the effectiveness of the system.

Ballymoney

- Ballymoney currently has 2 cameras.
- These cameras are viewable by PSNI via a shared broadband link.

- The cameras were viewed at the Ballymena Silver Command via the remote broadband link.
- The performance of the cameras was poor due to the transmission medium.

Castlerock

- Castlerock is listed as having one camera.
- This camera was removed some time ago to facilitate works at the rail station. To date it has not been reinstalled.

Limavady

“Based on our review, we would recommend that Limavady should have CCTV deployed. This will not only help address the reported crime figures, but also help support the recent investment in the re development of the town centre. The CCTV deployment should be based on operational requirements. It has been note that a figure of £25,000 has been put forward for the installation of CCTV. Based on the size of the town, this figure does seem quite light and should be reviewed prior to any commitment.

Simply based on the study of reported crime figures and the comparison of towns without CCTV, it is difficult to justify the maintenance of CCTV services in:

- Kilrea
- Garvagh
- Castlerock

It should be noted, that the CCTV cameras within Kilrea and Garvagh are seen as important cameras by the PSNI due to specific issues relevant to those locations. These have been requested, by PSNI, to be maintained and upgraded along with other systems developments”.

Recorded incidences in those towns with CCTV

| | <i>Ballycastle</i> | <i>Ballymoney</i> | <i>Castlerock</i> | <i>Coleraine</i> | <i>Garvagh</i> | <i>Kilrea</i> | <i>Portrush</i> | <i>Portstewart</i> |
|----------------|--------------------|-------------------|-------------------|------------------|----------------|---------------|-----------------|--------------------|
| <i>Mar-16</i> | 33 | 59 | 6 | 232 | 5 | 3 | 145 | 87 |
| <i>Apr-16</i> | 32 | 69 | 9 | 211 | 6 | 11 | 58 | 44 |
| <i>May-16</i> | 33 | 65 | 8 | 214 | 14 | 13 | 95 | 76 |
| <i>Jun-16</i> | 31 | 81 | 7 | 255 | 9 | 9 | 86 | 53 |
| <i>Jul-16</i> | 45 | 83 | 14 | 286 | 13 | 3 | 93 | 58 |
| <i>Aug-16</i> | 55 | 79 | 10 | 321 | 8 | 7 | 80 | 69 |
| <i>Sept-16</i> | 26 | 68 | 4 | 281 | 2 | 13 | 98 | 50 |
| <i>Oct-16</i> | 39 | 85 | 10 | 249 | 9 | 14 | 92 | 49 |
| <i>Nov-16</i> | 26 | 76 | 2 | 167 | 2 | 4 | 53 | 42 |
| <i>Dec-16</i> | 24 | 62 | 1 | 193 | 8 | 7 | 87 | 64 |
| <i>Jan-17</i> | 23 | 63 | 5 | 193 | 9 | 0 | 101 | 27 |
| <i>Feb-17</i> | 20 | 78 | 7 | 220 | 7 | 10 | 91 | 66 |
| <i>Mar-17</i> | 23 | 56 | 12 | 259 | 7 | 14 | 141 | 62 |

Recorded Incidences in those towns with no CCTV

| | <i>Ballykelly</i> | <i>Greysteel</i> | <i>Limavady</i> | <i>Dungiven</i> | <i>Cloughmills</i> | <i>Rasharkin</i> | <i>Dervock</i> | <i>Loughgiel</i> | <i>Stranocum</i> | <i>Bush mills</i> |
|---------------|-------------------|------------------|-----------------|-----------------|--------------------|------------------|----------------|------------------|------------------|-------------------|
| <i>Mar-16</i> | 12 | 6 | 131 | 9 | 2 | 5 | 5 | 1 | 2 | 6 |
| <i>Apr-16</i> | 19 | 6 | 122 | 10 | 6 | 15 | 9 | 0 | 1 | 11 |
| <i>May-16</i> | 14 | 5 | 141 | 5 | 5 | 5 | 19 | 4 | 3 | 15 |
| <i>Jun-16</i> | 17 | 5 | 141 | 17 | 6 | 6 | 7 | 4 | 1 | 12 |
| <i>Jul-16</i> | 18 | 3 | 159 | 18 | 5 | 6 | 2 | 4 | 1 | 7 |
| <i>Aug-16</i> | 27 | 3 | 135 | 12 | 6 | 9 | 5 | 0 | 1 | 9 |
| <i>Sep-16</i> | 14 | 6 | 112 | 11 | 7 | 3 | 4 | 3 | 1 | 14 |
| <i>Oct-16</i> | 23 | 7 | 163 | 16 | 10 | 4 | 7 | 0 | 0 | 8 |
| <i>Nov-16</i> | 17 | 3 | 105 | 14 | 3 | 1 | 1 | 6 | 1 | 3 |
| <i>Dec-16</i> | 8 | 6 | 119 | 20 | 1 | 3 | 5 | 3 | 1 | 11 |
| <i>Jan-17</i> | 11 | 6 | 107 | 11 | 10 | 9 | 3 | 0 | 0 | 14 |
| <i>Feb-17</i> | 13 | 8 | 107 | 10 | 1 | 7 | 5 | 1 | 3 | 17 |
| <i>Mar-17</i> | 24 | 1 | 159 | 14 | 8 | 5 | 3 | 0 | 0 | 14 |

The following table outlines the full costs of an upgrade on the current system to full specification as discussed by the consultant within the Consultive Solutions presentation.

*Projected Costs Based on Current Monitored System upgraded to IP (22 cameras - £21,461.00 per camera over 5 years)

| Description | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Total |
|---|--------------------|-------------------|-------------------|-------------------|-------------------|--------------------|
| Design and specification | £7,500.00 | £0.00 | £0.00 | £0.00 | £0.00 | £7,500.00 |
| Installation of wireless transmission links | £38,000.00 | £0.00 | £0.00 | £0.00 | £0.00 | £38,000.00 |
| Upgrade of CCTV camera assemblies | £40,700.00 | £0.00 | £0.00 | £0.00 | £0.00 | £40,700.00 |
| Connectivity to Council IT Network | £15,000.00 | £0.00 | £0.00 | £0.00 | £0.00 | £15,000.00 |
| Monitoring | £61,555.34 | £61,555.34 | £61,555.34 | £61,555.34 | £61,555.34 | £307,776.70 |
| Maintenance | £5,074.80 | £5,074.80 | £5,074.80 | £5,074.80 | £5,074.80 | £25,374.00 |
| Insurance | £4,414.65 | £4,414.65 | £4,414.65 | £4,414.65 | £4,414.65 | £22,073.25 |
| Internal Costs | £3,144.36 | £3,144.36 | £3,144.36 | £3,144.36 | £3,144.36 | £15,721.80 |
| Total | £175,389.15 | £74,189.15 | £74,189.15 | £74,189.15 | £74,189.15 | £472,145.75 |

** There may be BT costs based on the reduced need but may be required for links to the PSNI.