



**BARNSLEY**  
Metropolitan Borough Council

## Listed Building Consent Application

Installation of WiFi at

Barnsley Town Hall

Experience Barnsley Museum and Discovery Centre



## Contents

- Introduction
- Background
- Design and Access Statement
- Location Plan and Site Description
- Planning Statement
- Proposed Work
- Heritage Statement
- Listing Information
- Recent Planning Applications
- Appendix 1 – Examples of Equipment
- Appendix 2 – Colour Charts

## **Introduction**

Barnsley Council operate five museum sites across the borough. These visitor attractions currently have very limited or no wi-fi connectivity for staff and corporate guests, and little or no connectivity for the public. Barnsley's Town Hall is home to the Experience Barnsley Museum and the Archives and Local Studies Service. Wifi exists in the museum and the public area of the Archive. Consent is sought to improve the wifi in Experience Barnsley and install wifi within the archives stores and collections stores which are in the Town Hall basement.

## **Background**

Barnsley Museums welcome over £1.3M visitors annually to the council owned visitor attractions at Cannon Hall, Elsecar Heritage Centre, the Cooper Gallery, Experience Barnsley Museum and Worsbrough Mill. The visitor attraction market is highly competitive and expectations of today's visitors have gone way beyond simple learning through seeing and reading. Visitors want to stay fully connected throughout their visit. It's increasingly important that visitors can use their phones to engage with our interpretation and offer and connect to social media during their visit. In addition we need this connectivity to support our business clients who want to hire the venues but need and expect good connectivity. All Barnsley Museums are free to enter so it is important to continue to attract visitors to boost donations. Improving our offer will achieve this.

Wi-fi connectivity is poor or non-existent in many areas of the museum buildings in which our teams are currently based which limits agile working.

The proposal to improve and install wifi at our museum sites supports the council's commitment to Digital First agenda, and the delivery of Barnsley Museums' Digital Strategy, a requirement as a National Portfolio Organisation and the Barnsley 2030 priorities (Digital Barnsley).

Capital Funding to undertake the project was agreed by Cabinet on 14/07/2021 Cab.14.7.2021/11. Work has taken place in conjunction with key stakeholders to further develop plans and we are now in a position to seek Listed Building Consent to complete the work.

## **Design and Access Statement**

This statement is to support the application for the proposed improvement and installation of WiFi equipment in the Experience Barnsley Museum and basement archives and collections stores.

## Location and site plan

Experience Barnsley and Discovery Centre is within Barnsley Town Hall and is located on Church Street in Barnsley town centre. Post code S70 2TA. The Experience Barnsley Museum and the Discovery Centre is on the ground floor of the building. Archives and collections stores are in the basement of the Town Hall building.



## Planning Statement

### Relevant Legislation/Planning Policy:

#### Planning (Listed Buildings and Conservation Areas) Act 1990

In terms of the impact on the special character and appearance of the listed building, Section 16 (2) of the Planning (Listed Buildings and Conservation Areas) Act 1990, states:

In considering whether to grant listed building consent for any works the local planning authority or the Secretary of State shall have special regard to the desirability of preserving the building or its setting or any features of special architectural or historic interest which it possesses

#### The National Planning Policy Framework (NPPF)

NPPF para 189 and 190: The NPPF requires applicants to describe the significance (heritage) of any heritage asset affected by a proposal including any contribution made by the setting of the asset. The level of detail should be proportionate to the importance of the asset and the degree of intervention the proposal represents. The local Planning Authorities will take the heritage significance of an asset into account and consider any impacts on the asset to avoid conflict with the conservation of the asset.

NPPF para 193: Great weight given to an asset's conservation, irrespective of the degree of harm

NPPF para 194: Any harm to or loss of significance will require clear and convincing justification

#### Barnsley Local Plan Policies

Barnsley Local Plan Policy HE1: The Historic Environment: Positively encourage developments that help in the management, conservation and understanding of the historic environment

Barnsley Local Plan Policy HE3: Developments affecting Historic Buildings: Proposals involving historic buildings should conserve and where appropriate enhance, respect historic precedents, and capitalise on opportunities to reveal significance.

## **Proposed Work**

Installation of wifi access points in Experience Barnsley and Discovery Centre and basement stores, office and breakout room. Pictures and dimensions of equipment are in appendix A. Below is an example of an internal access point (AP). These can be wrapped in a variety of colours, as shown in appendix B. They have internal antennae to minimise their appearance.

**Internal AP**



Dimensions: W x L x H 21.6cm  
x 21.6cm x 4.3 cm

The Council's IT contractor has provided a proposal to achieve this. The contractor has worked on similar projects in the past for the British Museum, the British Library and cities of York and Bath.

The structured data cables, installed as part of the project to provide power and up to 1Gbps data network services to the wireless access points, will be Leviton category 6 unshielded twisted pair (UTP). The cables will be run through existing and/or new surface mounted trunking where needed. Any new trunking installed will be done in an aesthetically sensitive way.

The sites identified for the APs in this proposal should be sufficient to meet the project brief. However, the proposed locations may be subject to minor changes, dependent upon availability of suitable cable routes and digital wifi signal mapping survey by the contractor. In the event of this situation, preservation of the asset would come first. If changes are required, they will be discussed and agreed with the Council's Conservation Officer.

## **Experience Barnsley**

### **Main Exhibition Area**

The current wifi provision in this area is weak. There is one AP which is located above the central display. The provision needs improving to enhance the visitor experience and enable digital engagement with the collections on display. It is proposed that two additional APs are installed to improve connectivity in this area. The plan below gives an example of the proposed locations. The APs will be fitted to the ceiling. There are already items attached to the ceiling such as lighting, plug sockets, projectors and smoke alarms.



## Town Hall Basement



Green dot = AP

Wifi is required in the basement to enable more efficient processing of items from the collections and archive records and help when researching of artefacts. The proposed areas for the installation of APs are:

### Collections Stores

Front Collection Store



Rear Collection Store



The walls are brick and painted. Cable trunking exists.

### Large Archive Store

An AP will be installed at either end of the Archive Store. The walls are brick and painted. Cable trunking exists.



### **Corner Archive Store**

A weak wifi signal exists in this room, however, the addition of an AP in this area would make the connection more robust. The walls are brick and painted. Cable trunking exists.



### **Office**

An AP in the office would enable employees to use the corporate network meaning that files, software applications and the internet could be accessed from this location. The walls are brick and painted. Cable trunking exists.



## **Breakout Area**

An AP in this area would enable employees to access wifi away from their desks, making a useful touch down area. Food and drinks are not allowed in the collections stores.



## **Heritage Statement**

Consultation has taken place with the Senior Conservation Officer and advice given has been fully incorporated into this submission.

Existing structured cabling will be utilised wherever possible. Where new structured cabling has to be installed it will comply to the Telecommunication Industry Standard (TIA) category 6 standard for unshielded twisted pair and be installed in dual surface mount outlets. The use of dual outlets will enable other system to be developed in the future without a repeat of the cable installation process, e.g. CCTV or Internet of Things (IoT) networks.

Internal access points will be mounted out of the line of sight, wherever possible. Where it is not possible to do this, access points can be wrapped to match with the decoration of the room, or placed near other existing wall/ceiling mounted equipment, eg CCTV, exit signs etc. A colour chart is included in appendix B for reference of stock colours, however bespoke colour wraps can be created at a cost. Cables will follow existing routes where possible and any new trunking painted to match décor.

Consultation has taken place with the Collections and Exhibitions Manager, Visitor Services Manager and with the Museums Team to ensure that the collections can be kept safe throughout this work. Arrangements will be made with the Museums Team to move and/or protect artefacts or enlist the services of specialist removers, if needed, prior to work commencing.

The Group Leader for Heritage and Arts has been fully consulted and briefed about all aspects of this project.

The Council's IT contractor is fully appreciative of the protected status of the museum sites and has worked on similar projects for the British Museum, British Library and cities of York and Bath. The contractor has stated that they are fully committed to working alongside the Conservation Officer and all relevant stakeholders in the undertaking of this project.

This project has given great consideration to the conservation of Barnsley Town Hall. The proposed addition of wifi access points would not cause any significant degree of harm to the asset. The wifi will enable improvements to the management, conservation and understanding of the site. It will improve the visitor and commercial offer which in turn will contribute to the conservation of the site.

Overall, we would suggest the proposal is justified and represents no harm to the heritage significance of the listed building(s) and is therefore in accordance with local and national planning policy.

## **Listing information**

### **Location**

Statutory Address:

TOWN HALL INCLUDING ATTACHED RAILINGS, CHURCH STREET

### **District:**

Barnsley (Metropolitan Authority)

Parish: Non Civil Parish

National Grid Reference: SE 34365 06521

SE3406NW BARNSELY CHURCH STREET SE3406SW (west side), Barnsley 8/10 Town Hall including 9/10 attached railings GV II Town Hall and attached railings. 1933 by Briggs and Thornely of Liverpool. Portland stone, brick infill panels at rear. Classical style. 3 storeys plus basement to front due to sloping ground. 21 bays by 10 bays with 2 internal courtyards. Symmetrical facade of 8, 5 and 8 bays. The central 5 bays break forward and are surmounted by a tall square tower. Rusticated ground floor with band above. Central square-headed portal with dentilled cornice surmounted by anthemion acroteria and a central cartouche with scroll support. Foundation tablets to each side. A giant, Corinthian distyle in antis loggia with clasping pilasters to each side on 1st and 2nd floors of the central 5 bays. 3 tall round-arched windows with glazing bars to the back wall. Iron balustrade. The single square-headed window to each side has a small cornice on console brackets and a large panel above. Windows to other bays are 20-pane casements, with 16 panes to the smaller 2nd-floor windows. Deep frieze and cornice and deep parapet which is balustraded over the central 3 bays. The 3-stage reducing square tower sits on a square base with corner urns. The 1st stage has a large niche to each face, and in each is set a square-headed window with fluted Doric colonnettes supporting a full entablature with urns. Below the niche on the facade side is a relief of the Barnsley County Borough coat of arms with its supporters: a miner and a glass-blower. Corner urns surmount the 1st stage. A clock face to each side of the 2nd stage which has a Doric entablature with anthemion acroteria. The final stage has a triple group of slender lights, a deep, swagged frieze with acroteria and stepped blocking courses. The rear elevation has 5 central bays with a 1st and 2nd floor giant order of square piers and pilasters with ornamental capitals. The centre 3 bays form a loggia whose lower part (1st floor) is infilled with tripled windows. Other windows are casements as before. The left and right return elevations have 8 central bays and wide corner bays which break forward slightly and are framed at 1st- and 2nd-floor levels by giant fluted Corinthian pilasters. 1st-floor windows to corner bays have cornices, the rest are 16 and 20-pane casements as before.

Interior: entrance hall with good central staircase with decorative cast-iron balustrade and bronze handrail and newels. Dentilled plaster friezes, decorated with anthemion. Glazed dome over stairwell. Terrazzo fluted piers. The Council chamber has walnut panels and fluted Corinthian pilasters, original fittings and good detailing.

Attached railings: square, Portland stone panelled piers, dwarf wall and heavy cast-iron railings are attached at front and continue around the building. Round, cast-iron fluted bars with square bosses, pineapple finials and round section rails. Two fluted, ornamental lamp standards with later lamp housings, to each side of entrance. The Town Hall was opened by H.R.H. Edward, Prince of Wales on 14th December 1933.

Listing NGR: SE3436506521

## Recent Planning Applications

Reference	Description	Site Address	Valid From	Decision	Status
<a href="#">2021/0919</a>	Installation of roof top Solar Photovoltaic panels and 3no. air source heat pumps (Listed Building Consent)	Barnsley Town Hall, Church Street, Barnsley, S70 2TA	19 July 2021	Approve with Conditions	Final Decision
<a href="#">2021/0914</a>	Installation of roof top Solar Photovoltaic panels and 3no. air source heat pumps	Barnsley Town Hall, Church Street, Barnsley, S70 2TA	29 June 2021	Approve with Conditions	Final Decision
<a href="#">2020/0371</a>	Internal alterations consisting of relocation of doors and formation of a sheilding lobby	Barnsley Town Hall, Church Street, Barnsley, S70 2TA	11 June 2020	Approve with Conditions	Final Decision
<a href="#">2020/0370</a>	Internal alterations consisting of relocation of doors and formation of a sheilding lobby (Listed Building Consent).	Barnsley Town Hall, Church Street, Barnsley, S70 2TA	27 May 2020	Approve with Conditions	Final Decision

## Appendix A

### Equipment information

#### External AP

The Cisco Catalyst 9124AX Series outdoor access points are next-generation Wi-Fi 6 access points encased in a rugged and robust design that service providers and enterprises can easily deploy.



**Figure 1.**  
Cisco Catalyst 9124AX Series Access points

Dimensions : W x L x H : 25.9 x 23.3 x 8.1 cm (excluding mounting bracket)

#### Internal AP

The Cisco Catalyst 9120AX Series Access Points are the next generation of enterprise access points. They are resilient, secure, and intelligent.



Access point (without mounting brackets): C9120AXI: 21.6 x 21.6 x 4.3 cm  
Mounting bracket is invisible behind the AP and is attached to the wall/ceiling by four screws.

#### Cabling and trunking

The cabling will be Leviton Category 6 ( which meets the minimum requirement of BS 6701, Euroclass Cca-s1b,d2,a2 in accordance with BS EN 13501-6). The trunking and components will be

Marshall Tufflex Plastic Mini Trunking and components. Marshall Tufflex Plastic conduit 20mm and components will also be used.

Example of Tufflex Mini Trunking (left) Marshall Tufflex Plastic conduit 20mm (right)





## Supreme Wrapping Film

Gloss			Matte			Matte Metallic				
White SW 900-101-O		Grass Green SW 900-758-O		Matte White SW 900-132-O		Silver Matte Metallic SW 900-857-M		Lagoon Blue Matte Metallic SW 900-648-M		
Black SW 900-190-O		Emerald Green SW 900-771-O		Matte Black SW 900-180-O		Anthracite Matte Metallic SW 900-858-M		Blue Matte Metallic SW 900-639-M		
Yellow SW 900-225-O		Dark Green SW 900-792-O		Matte Orange SW 900-321-O		Gunmetal Matte Metallic SW 900-840-M		Brilliant Blue Matte Metallic SW 900-671-M		
Ambulance Yellow SW 900-234-O		Grey SW 900-832-O		Matte Emerald Green SW 900-751-O		Charcoal Matte Metallic SW 900-845-M		Purple Matte Metallic SW 900-565-M		
Dark Yellow SW 900-245-O		Dark Grey SW 900-865-O		Matte Dark Grey SW 900-856-O		Pink Matte Metallic SW 900-520-M		Night Blue Matte Metallic SW 900-623-M		
Orange SW 900-370-O						Cherry Matte Metallic SW 900-444-M				
Soft Red SW 900-427-O		Pearlescent			Gloss Metallic			Brushed Metallic		
Red SW 900-415-O		White Pearlescent SW 900-109-S		Black Metallic SW 900-192-M		Garnet Matte Metallic SW 900-472-M		Black Brushed Metallic SW 900-193-X		
Cardinal Red SW 900-433-O		Orange Pearlescent SW 900-327-S		Cherry Red Metallic SW 900-440-M		Blaze Orange Matte Metallic SW 900-371-M		Aluminum Brushed Metallic SW 900-812-X		
Carmine Red SW 900-436-O		Gold Orange Pearlescent SW 900-326-S		Gold Metallic SW 900-215-M		Brown Matte Metallic SW 900-950-M		Titanium Brushed Metallic SW 900-802-X		
Burgundy SW 900-475-O		Red Pearlescent/ Red Rush Pearl Metallic SW 900-437-S		Brown Metallic SW 900-929-M		Midnight Sand Matte Metallic SW 900-797-M		Steel Brushed Metallic SW 900-813-X		
Light Blue SW 900-632-O		Light Green Pearlescent SW 900-777-S		Bright Blue Metallic SW 900-646-M		Green Matte Metallic SW 900-768-M		Bronze Brushed Metallic SW 900-903-X		
Intense Blue SW 900-667-O		Dark Green Pearlescent/ Emerald Pearl Metallic SW 900-796-S		Dark Blue Metallic SW 900-653-M		Apple Green Matte Metallic SW 900-745-M				
Blue SW 900-677-O		Conform Chrome			Silver Metallic SW 900-903-M		Emerald Matte Metallic SW 900-771-M		<b>NEW</b> Bubblegum Pink Satin SW 900-514-O	
Dark Blue SW 900-681-O		Conform Black Chrome SF 100-196-S		Grey Metallic SW 900-907-M		Frosty Blue Matte Metallic SW 900-643-M		<b>NEW</b> Carmine Red Satin SW 900-436-O		
Indigo Blue SW 900-699-O		Conform Gold Chrome SF 100-604-S		Quick Silver Metallic SW 900-914-M		Powder Blue Matte Metallic SW 900-614-M		<b>NEW</b> Black Satin SW 900-197-O		
Lime Green SW 900-731-O		Conform Blue Chrome SF 100-256-S						<b>NEW</b> White Satin SW 900-116-O		
		Conform Silver Chrome SF 100-543-S		Carbon Fiber					<b>NEW</b> White Pearlescent Satin SW 900-117-O	
				White Carbon Fiber SW 900-115-X		Black Carbon Fiber SW 900-194-X				

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## Satin



## Matte



## Textures



## Color Flips



## Chrome

