

Lewis Denton
St Mary's Church
Lymm

07-02-2024

Quote Ref: 01197/TP/1.2

Dear Lewis,

Thank you for asking us to carry out the work for you at St Mary's Church. Following our conversations, I have provided some information below to support your faculty application to the DAC.

Installation of Projection and Live Streaming System

A new visual and live streaming system is to be installed as per the quotation provided and as outlined below. The purpose of the visual system is to aid and enhance worship and the purpose of the live streaming system is to allow members of the congregation who are unable to attend services in person to be part of services on-line and also to allow the church to extend its reach to people who would not otherwise be able to or wish to attend in person. It is important that this is not done at a cost of distracting the congregation who are in the building from worship. The system that has been proposed has therefore been designed to provide simplicity in operation whilst offering the flexibility required.

The proposed system is to be installed in a manner that is in sympathy with the aesthetic of the building and as discretely as possible in order to minimise its impact upon the aesthetic of the building.

A twin motor projection screen would be mounted at high level behind the chancel arch. When required, the barrel of this screen would first lower on wires, and then the fabric would lower out of the barrel. When not in use, it is anticipated that the barrel of the screen would be parked at high level above/ behind the apex of the chancel arch, out of sight from the Nave. This is illustrated in the images below. This screen is operated by a hand held wireless controller so does not require any control cable routing to the screen.

A projector would be mounted on a short arm from the wall near to the bottom of the vertical wooden truss in the V shape between the arches above the rear pillar next to the AV control desk. The projector and the arm would be white.

A pair of reference pair of 43" reference screens would be fitted to the chancel side of the front stone pillars in church. These would be of such a size and installed in such a position that they were obscured from view of the congregation sat in the Nave by the pillars themselves. Ambient microphones would be mounted next to these screens in order to pickup the congregational singing and the organ.

Two cameras would be installed as part of the live streaming system, a PTZ camera would be fitted just above the pillar capital directly the projector and a smaller, fixed block camera fitted in the same position on the pillar on the opposite side of church. These would be fitted to bespoke brackets which it is anticipated could be fixed into the mortar joints around the pillar capitals.

A new AV control position would be established within the rear pew on the North side of the Nave as the existing sound system connection position is part way down the nave. This is not a suitable control position for the increased AV system as operators would be sat in the middle of the congregation meaning that part of the congregation would be behind them which would offer multiple distractions to those members of the congregation who were seated behind the AV control desk. The rear pew on the north side is currently loose and not fixed in position, so this would be replaced with a lockable cabinet to house the control equipment and would offer a suitable AV control position for operators to be able to sit without causing distraction to members of the congregation.

Cabling shall be routed from the new AV control position to the Projector, cameras and to the internet router in the office. Given the construction of the floor it is anticipated that the majority of the cabling can be routed under the floor out of sight and then following existing cable routes.

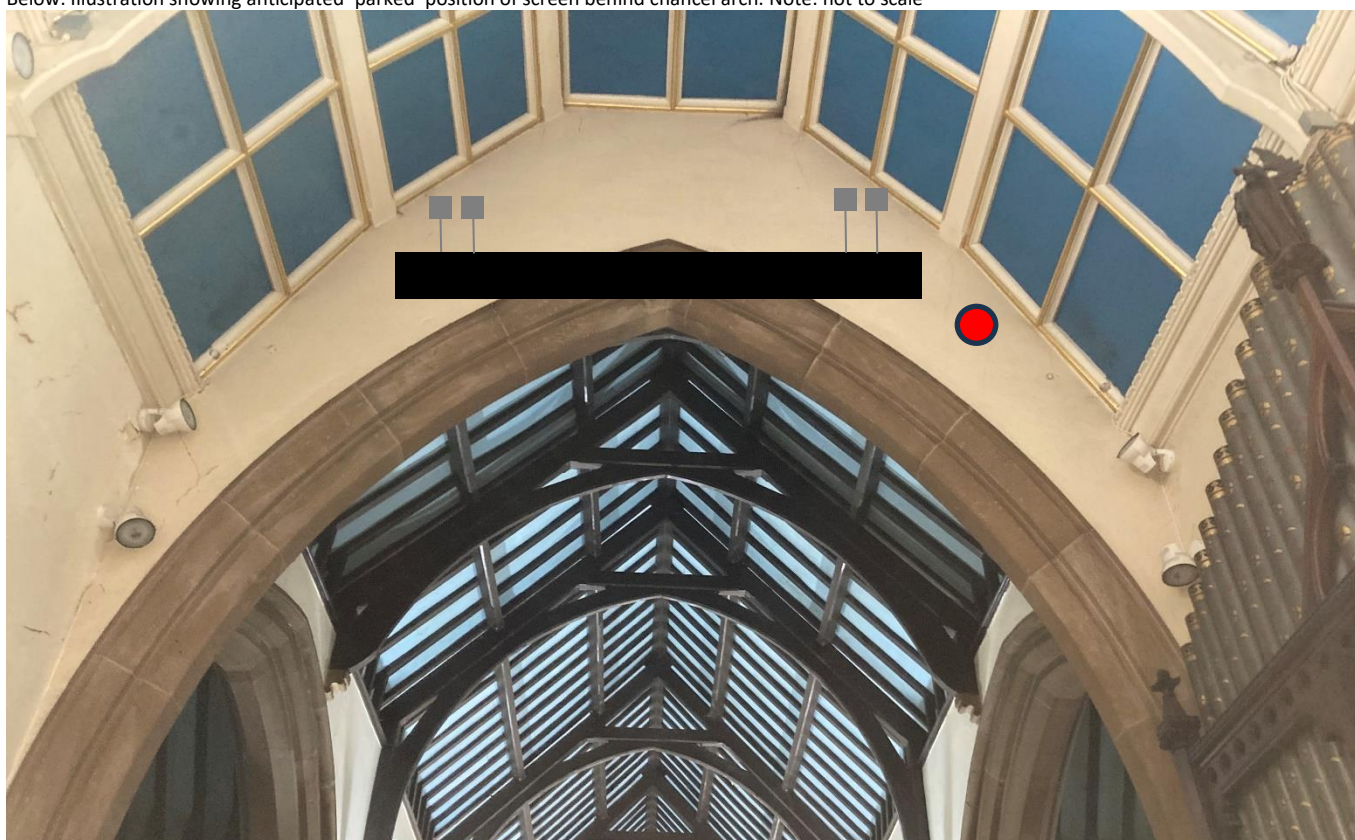
Our engineers have great experience of working within both Grade I and Grade II listed buildings and understand the need for all work to be carried out in a sensitive manner to the fabric of the building. Cabling shall be routed as discretely as possible and neatly fixed using either; glue, staples, P or cable clips, depending on which is deemed to be most appropriate for its location by the engineers on site. Each cable route shall be assessed individually prior to works commencing and the choice of colour for each cable shall be made by the engineers on site to be the most appropriate colour for the route which the cable takes. It is anticipated that the majority of the new cabling required for the new AV system can follow existing cable routes, either of existing sound system cabling, or of cabling for the lighting/ power systems.

Where equipment is to be fixed to the fabric of the building, this shall be done in a manner which is reversible should the need arise to remove the equipment in the future. Preference shall be given for fixing holes to be made in areas which are rendered meaning that holes can be made good should equipment be removed in the future. Where there is no other option that to fix to exposed stone, fixings shall, wherever possible, always be made into mortar joints. The majority of fixings shall be made using passive fixings, however it is anticipated that given the weight of the twin motor screen, the arm brackets for this shall be fixed using an active resin fix.



Above: Illustration showing anticipated position of screen when in use. Note: not to scale

Below: Illustration showing anticipated 'parked' position of screen behind chancel arch. Note: not to scale





Cabling to screens to follow existing cable routes from under floor up pillars to speakers. Note: angle of photographs above do not show full extent of pillars and therefore cause screens to appear as though they will protrude beyond pillars. Please refer to layout plan for illustration of screen position



Above: Illustration showing proposed location of projector

Please note; any system designs, concepts or specifications laid out in this document are the intellectual property of Audioworks (NW) Ltd, and are intended for the attention of the person(s) named above only, and should not be passed to, or shared with, any other parties without the prior written permission of Audioworks (NW) Ltd. We are pleased to offer a consultancy service for the design of and advice about audiovisual systems should you require information to pass on to others. Please let me know if you would like details of this.

I hope the above is clear, please don't hesitate to contact me on 015242 61628 if you require further help or information.

Yours sincerely

Tim Parsons.
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