

## Church of St John the Divine, Victoria

### Report on proceedings of the Lighting Team

as of 12 October 2017

#### *Existing house lighting:*

The existing house lighting was installed circa 1990 utilizing wiring dating from the re-building of the church in 1962. Lighting was conceived as 'performance' lighting at that time, employing theatre type luminaires installed at the top of the north and south walls of the Nave. The house lighting over the Nave is expensive to run and to maintain as access is difficult and costly due to their location.

Now, only two of the original 12 lights are working. The luminaires themselves are so damaged that simply replacing bulbs is not an option.

The last full maintenance was done by Pacific Audio in 2012. At that time, all the instruments were removed, cleaned and re-focused and re-lamped. It is not known whether or to what extent the electrical wiring serving the house lighting was inspected at that time.

#### *Investigation by the Lighting Team of replacement possibilities:*

Initially the Team considered the possible return to pendant light fixtures as had been employed in both the original church of 1912, and initially in the re-building of 1963. These would have provided much easier access and could have been fitted with LED bulbs for economy of use and maintenance.

The Team consulted Stuart Stark a heritage design and lighting expert. Whilst he would have preferred to return to pendant light fittings he recognized that such light fittings would not conform to the current seismic code. He therefore suggested wall mounted sconces projected out from the Nave walls on a decorative metal framework.

The Lighting Team rejected this solution believing that it would be both visually intrusive and, being purpose designed and crafted, very expensive.

After a search by members of the Team, a possible solution was seen to have been recently employed in another church, in which LED wall lights were mounted at mid-level on the nave walls illuminating both the congregation area below and the decorative roof above. Controls also would allow the congregation or the roof to be lit independently.

#### *The Design brief :*

A lighting design brief was then written incorporating two possible scenarios:

1) replacing the existing lights with new LED luminaires

or

2) installing new luminaires lower down on the north and south walls of the nave (below the clerestory windows) that would light the congregational areas below and/or the roof above.

Whichever scenario is selected the work will require attention to the electrical wiring and controls (Panel, Dimmers, Switches etc.) For example: replacement parts cannot readily be obtained for the electrical panel (situated in the corridor leading to the Parish House) and the breakers in this panel are currently used as switches - a practice not recommended.

*The selection of Consultant Lighting Engineer:*

The Lighting Team searched for suitable locally based professional engineering consultants who would be able to:

- a) prepare a full lighting specification for tenders to be obtained from selected electrical contractors.
- b) select luminaires for their quality and lighting effectiveness
- c) supervise the installation of the new lighting by the selected contractor during the progress of the works.

Two consulting companies were located on Vancouver Island and a proposal for their services sought from each: Triumph Engineering Ltd and AES Engineering Ltd.

Representatives from both companies visited the church and were able to inspect the location and have any questions answered by members of the Lighting Team.

Proposals were received by the 30th August. The Lighting Team agreed that the Proposal from Triumph Engineering should be rejected as it did not meet the requirements of our brief and was much more expensive than that from AES Engineering.

So in order to get another competitive Proposal, a further search was made for another suitable consulting firm, but without success.

On Tuesday 10th October Jeff Halpenny of AES Engineering met with the Chair of the Lighting Team (Tony Barlow) and Barry Salter to clarify details of the nature and extent of his company's Proposal. A revised Proposal for their professional services has now been received.

We recommend that this Proposal be accepted by Parish Council, the Rector and Wardens.

**NOTE**

As the work involved in this project will exceed \$20,000, it will be necessary for the works to obtain Diocesan approval. At the commencement of the Lighting Team's work, the Diocesan Asset Manager, Peter Daniels was informed of this project.