



Gary Memorial United Methodist Church is a stone masonry structure built in 1930. Since the original construction, 2 building additions have been constructed.

The main sanctuary's roof consists of a steep slope gable roof covered with roofing slate. Another gable roof exists to the west of the main sanctuary's roof. At the northeast and southeast corners of the sanctuary roof, there are 2 small dormers. There are also 2 small gable roofs over the south and north entrances to the church. In addition to the steep roofs, the building also has several low-slope roofs. BTC was originally retained to evaluate the condition of the slate roof. This evaluation was triggered due to water leakage and falling slate. BTC's investigation revealed several issues related to the warping and twisting of the original roof deck boards that were contributing to the dislodgement of the slate. In addition, BTC observed deterioration of various flashing components.

Subsequent to its evaluation, BTC designed a temporary fall arrest system for the slate to address fall hazards. BTC's subsequent services for the project included the evaluation of several limestone framed stained glass windows, and the building facade.

In 2004, BTC was retained as a consultant to the church to perform a peer review of the design of a large addition to the building. BTC's services included peer review of design documents for roofing and building facade repairs that were to be included as part of the addition construction. BTC also provided consulting services during the construction phase of the project.

Project Name:
*Roof Evaluation at Gary Memorial
United Methodist Church*

Project Location:
Wheaton, Illinois

Client:
*Gary Memorial United Methodist
Church
224 North Main Street
Wheaton, Illinois 60187*

Approximate Construction Cost:
\$12,000,000

Year Completed:
2005

Nature of Services:
*Evaluation of Existing Slate Roofing
Systems, Evaluation of Facade, Design
Peer Review*

