



Legislation Text

File #: 2017-0102, **Version:** 1

Title/Name/Summary

Village Hall Green Roof Structural Analysis - Proposal

History

In 2011, the Village worked with CBBEL to develop an application for funding for a green roof on Village Hall via the Illinois Green Infrastructure Grant Program. Funding for the project was not awarded. Since that time, the Illinois Green Infrastructure Grant Program has been suspended.

Interest in establishing a green roof at Village Hall has persisted. The Village Hall green roof would create an educational and social gathering space accessible to residents, visitors and staff members alike. The green roof would also increase awareness of the watershed and water quality benefits potentially leading to the construction of more of these types of projects throughout the Village.

The proposed location for the green roof on two (2) second floor terraces on the north side of Village Hall are highly visible and relatively accessible to the Public and Village Staff. Additionally, these terraces overlook the Village's stormwater detention basin, which would directly benefit from the improved water quality generated by the green roof.

The first step in determining the feasibility of a green roof at Village Hall is to perform a structural analysis of the proposed locations. Such an analysis was not performed as a part of the 2011 application process. A proposal from Christopher B. Burke Engineering (CBBEL) to perform a structural analysis of the two (2) terraces to verify they have the structural capacity to allow for the installation of a green roof has been requested. Funding to pay for this study would come from the Village's Tree Preservation and Green Infrastructure Account.

The proposal states that CBBEL will review the existing plans of the Village Hall structure provided by staff. CBBEL has included one site visit in this proposal to verify existing conditions and to check items that are unclear in the existing plans. CBBEL will analyze the structure and determine if the structure has the capacity to support the proposed green roof loads and if it will be in compliance with the current Village building code requirements. As part of the analysis, CBBEL will determine if any modifications to the structure are required to support the proposed loads. CBBEL will provide the Village with a technical memorandum summarizing its finding and recommendations. Once this is completed, staff will come back to the Village Board with recommendations on moving forward or not with a pilot green roof project.

On February 20, 2017, this item was reviewed by the Development Services, Planning and Engineering Committee and referred to the Board for approval.

Financial Impact

Funds for this project are available in the Tree Preservation and Green Infrastructure Account (formerly known as the Tree Mitigation Account) # 010-0000-223100.

Recommended Action/Motion

I move to approve to accept the proposal for the Village Hall Green Roof Structural Analysis from Christopher B. Burke Engineering, Ltd. of Rosemont, Illinois in an amount not to exceed \$4,850.00.