Livingston County, MI - Structures

Project Location: Livingston County, Michigan

Team Members Needed:

Please see description and responsibilities of team members needed (at a minimum):

1. **Responsible Engineer in Charge (REIC)** - *Four years of professional experience and have appropriate licensure in project state or territory*
2. **Quality Assurance Manager (QAM)** - *Four years of experience*
3. **Project Lead**

*Full descriptions and roles/responsibilities are linked and can be found on our website.*

Outside of those listed above, additional general project team members are welcome and encouraged to contribute.

Project Background: Residents of Livingston County Michigan experience extreme flooding 2-5 times a year. The impacted townships are working with local offices and the Army Corps of Engineers to conduct broad floodplain studies in the affected region. In addition, the community group has worked with the individual townships to facilitate relocation assistance packages for some residents and to explore grant assistance options through FEMA for raising homes above flood waters.

In 2021 the community applied for a state-funded FEMA grant requesting assistance to elevate 6 homes. They were not awarded the grant but would like assistance with the technical analysis and reports needed to apply again. The identified homes in the community are considered 'repetitive loss' and paying $13,000/yr premium for their flood insurance. The community is also looking to expand this application to include more homes in the future. Part of the grant application includes engineering designs for these homes; the community group had previously received some contractor quotes for very general plan designs, but this was likely insufficient for the purposes of an award.

Project Scope of Work: A volunteer team is being requested to provide preliminary designs for raising the elevation of the homes as required for the FEMA grant application. While it is currently unknown the extent/design detail necessary for a successful application, it is anticipated that a team would provide preliminary design drawings for the six proposed homes and cost estimates to match the designs.

[www.communityengineeringcorps.org](http://www.communityengineeringcorps.org)
Timeline: The community would like to apply for the grant on a regular yearly cycle (due in January each year). The current target is to apply for the January 2025 or January 2026 grant.

Contact: CECorpsinfo@ewb-usa.org