Church Flooding, Cook County, IL - Civil

Project Location: Cook County, IL

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: A non-denominational and culturally diverse church located in Cook County, Illinois, has faced significant challenges due to excessive rainfall in the summer of 2023. After experiencing what the National Weather Service considers a 500-yr storm, the city’s combined sewer backed up into their basement. In addition to being a place of worship, the church is a non-profit that acts as a food pantry and community shelter and their operations have been greatly disrupted by the flooding. Currently, they experience basement flooding every time it rains and they are in need of a long term solution.

Description of the Community: Those negatively impacted by the flooding include members of the community which has a diverse demographic. According to the EPA’s Climate and Economic Justice Screening Tool, the county’s residents fall within the 77th percentile for low income households and the 95th percentile for projected flood risk rendering them particularly vulnerable to the impacts of climate change.

Project Scope of Work: A volunteer team is being requested to address current flooding and sewer backup issues inside the church’s facilities. The team will prepare preliminary engineering reports, and investigate alternatives including, but not limited to, backflow prevention and internal plumbing updates.

Timeline: As soon as possible

Contact: CECinfo@ewb-usa.org