The prototypical elevated promenade concept seeks to preserve a waterfront space and view that is available to the public but yet still able to provide flood risk reduction. The elevated promenade consists of a 27.47-foot diameter steel flat sheet cofferdam with sand backfill inside, and a reinforced concrete cap of 18-inch thick. The existing ground and existing mudline were assumed to be El. 9' and El. -5', respectively.

The elevated promenade was assumed to be constructed along the shoreline to replace an existing promenade. Temporary structures will likely be needed to shore up the existing promenade during demolition and construction. Detailed design would be completed during later stages of the study when site specific parameters are available.