A STRUCTURAL PERFORMANCE

FINITE ELEMENT MODELING is a long-established method for determining the structural performance and load-bearing capacity of a wide variety of steel-framed structures, including truss systems. 2D and 3D diagrams and models take into account the direction and magnitude of tensile and compressive forces. Often, tension and compression are illustrated in blue and red, respectively, while structurally neutral elements are rendered in green. In more complex, multi-span assemblies, forces can vary along the structural members.

GOALS:

- 1. Honor the history of the current structure as an engineering landmark.
- 2. Create an illuminated (evening) destination on the Fort Point Channel.

