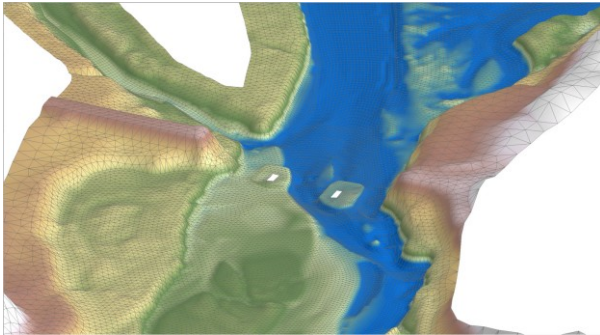


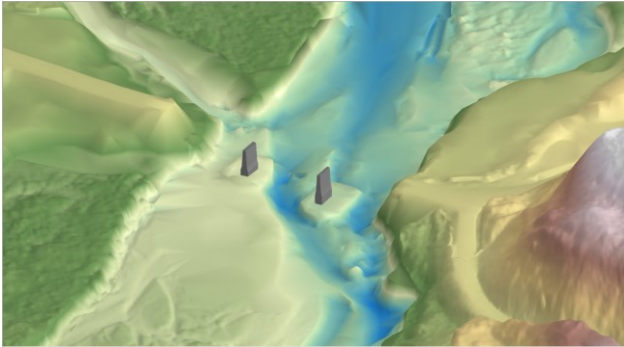
Modeling Bridge Features

Representing Bridge Features in a 2D Model



1. Channel and Abutment Geometry

Represent the channel, floodplain, and abutments with the mesh geometry



2. Piers

Include piers as holes in the mesh, unassigned material types, or obstructions.



3. Bridge Deck

Include the bridge deck only if the water surface will impact the deck for modeled discharges. Represent the deck with pressure flow boundary lines

Related Resources:

[SMS Tutorials: SRH-2D Bridge Pressure Flow](#)

[Scatter Interpolation - Wiki](#)

[Data Transform - Wiki](#)

[Modeling Bridges Video](#)

[How BC and Materials are Mapped to a Mesh](#)

