How to Use

This planning sheet is useful in pre-planning a pipe bridge before approaching design fabrication firms for detailed engineering work or cost estimates. Fill in as many project details below as you can to help streamline the planning and quotation process. An experienced design and build engineer can help you build out and specify unknown project elements.

Pipe Bridge Specifications

Timeline: ____________________________
Budget: ____________________________
Length: ____________________________
Height: ____________________________
Clear span: ____________________________
Loading: ____________________________
Pipe Specifications:
  Services: ____________________________
  Number: ____________________________
  Size: ____________________________
  Insulation: ____________________________
  Electric: ____________________________
Will the bridge be free standing or part of another structure?

How/to what is the pipe bridge connected on either side once installed?

Materials of Construction (MOC):

Industry standards and codes: ____________________________
  (ex. GMP, Sanitary, 3A, Food grade, etc.)
Dimensions of available space?

NDA required? Yes or No
Accessibility requirements:
  (ex. None, ladders, platforms, manways, etc.)
Future planned expansions?

Are there high temperature or critical services?

Expansion loops?

Any steel sizing work completed?
  Flat or trussed?
  (Attach relevant documents)
Will any of the following be required (circle all that apply)
  Heat tracing | Lighting | Foundation work
Seismic zone:
Wind loads:
Snow loading:

Please attach any piping general arrangements you may have.

Additional System Scope

Any additional system scope? Added processing steps or storage tanks?

Additional utilities?

How to turn this information into a cost estimate or basic design package

The easiest way to get a cost estimate is to contact a pilot plant design and build firm and discuss these project parameters with them. EPIC Systems, Inc. specializes in process system design, fabrication and automation. Visit www.epicmodularprocess.com or call 314-845-0077 to talk to an engineer.