

New Hampton Metal Fab and Spillman

# ARCH FORMING SYSTEMS



The diagram illustrates the components of the arch forming system, including the Stem Jacket Panel, End Plate, Arch Jacket Panel, Bosses, OSHA Conforming Walkway (Optional), Core Filler Panel, Lifting Loops, Hinged Core, Stem Core Panel, Arch Core Panel, Bolt Together Base Frames, and Vibrator Mount (Optional). The photos show the system in use, including a large green arch formwork structure on a trailer and a completed stone arch bridge.

## Any Span, Every Option Customized to Your Spec

Heavy-duty construction for use in spans and arches for bridges, underpasses, tunnels, culverts and underground containment applications. Forms can be manufactured to the custom shape and size of engineered specifications and in a variety of span and rise combinations. Single casting unit or double casting units in a twin leaf form are available.

We design and manufacture all necessary additional components: wingwalls, headwalls, and endwalls. Pourable on edge or in job position.

**AFINITAS.COM**

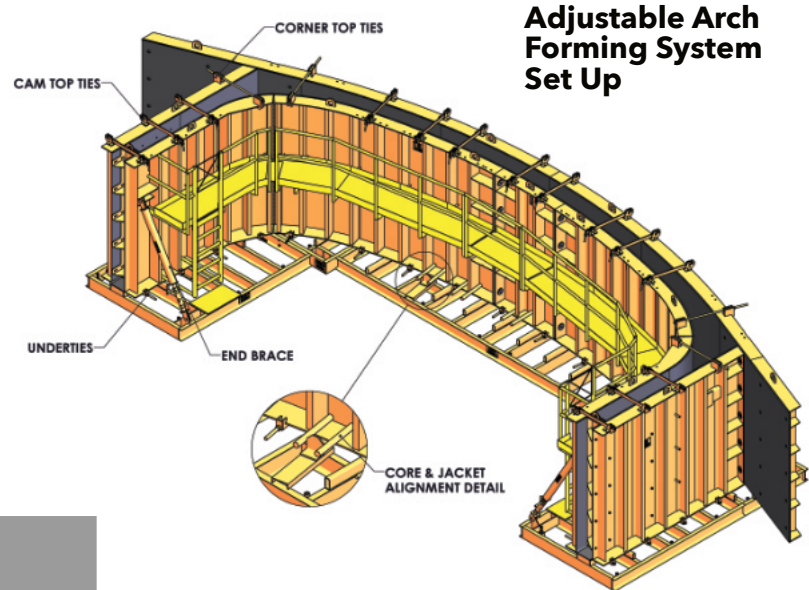


Intelligent  
Infrastructure  
Solutions

Afinitas is a global, comprehensive and customer-oriented infrastructure equipment and services platform that brings together the expertise of HawkeyePedershaab, BFS, New Hampton Metal Fabrication, Spillman and CAM Products.

New Hampton Metal Fab and Spillman

# ARCH FORMING SYSTEMS



## System Features

- Common sizes range from 12' arches up to 60'
- Typical lay lengths range from 4' to 8' depending on size of casting
- Fabrication from 5/16" HR steel skin reinforced with 1/2" steel formed screed rail and shoe plate, channel and formed gussets
- Form set comes with core and outside jackets with Boss connections, a pallet on a structural base frame, end plates and top ties and under ties as required
- We recommend adding an OSHA conforming catwalk to the core jacket of any arch form 6' tall or taller
- Thickening kits are available to change the casting thickness, for example if the arch was 10" thick it could allow the customer to cast a 12" thick arch
- Rise extension kits are available for some sizes to increase the height of the arch
- Forms can be adjustable to cast 2 to 4 similar arches, typically a 4' to 12' range of arch sizes
- Crane strip outside and core jackets off the casting

**AFINITAS.COM**



Intelligent  
Infrastructure  
Solutions

Afinitas is a global, comprehensive and customer-oriented infrastructure equipment and services platform that brings together the expertise of HawkeyePedershaab, BFS, New Hampton Metal Fabrication, Spillman and CAM Products.