

Bridge Types

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History:

Art Thureson, Inc has been supplying contractors with various types of timber products for over twenty years. We supply timber and steel bridges, walkways, construction lumber (large and odd pieces), crane mats, piling, etc. We provide material to Contractors doing Heavy Hwy, County, State DOT, DNR, Parks and Rec, ETC type of work.

Our steel bridges are manufactured by **Anderson Bridges**. Anderson Bridge is AISC certified and has been manufacturing bridges since 1989. Anderson Bridge applications include snowmobile, ATV, bicycle, golf cart, and pedestrian trails. Each bridge is custom designed and suited to meet the client's needs.

There are four standard Bridge System Types:

- **Half-Through Pony**
- **Half-Through H-Section**
- **Full-Through Box**
- **Bowstring**

Within each of these four types, there are a variety of end and diagonal configurations.

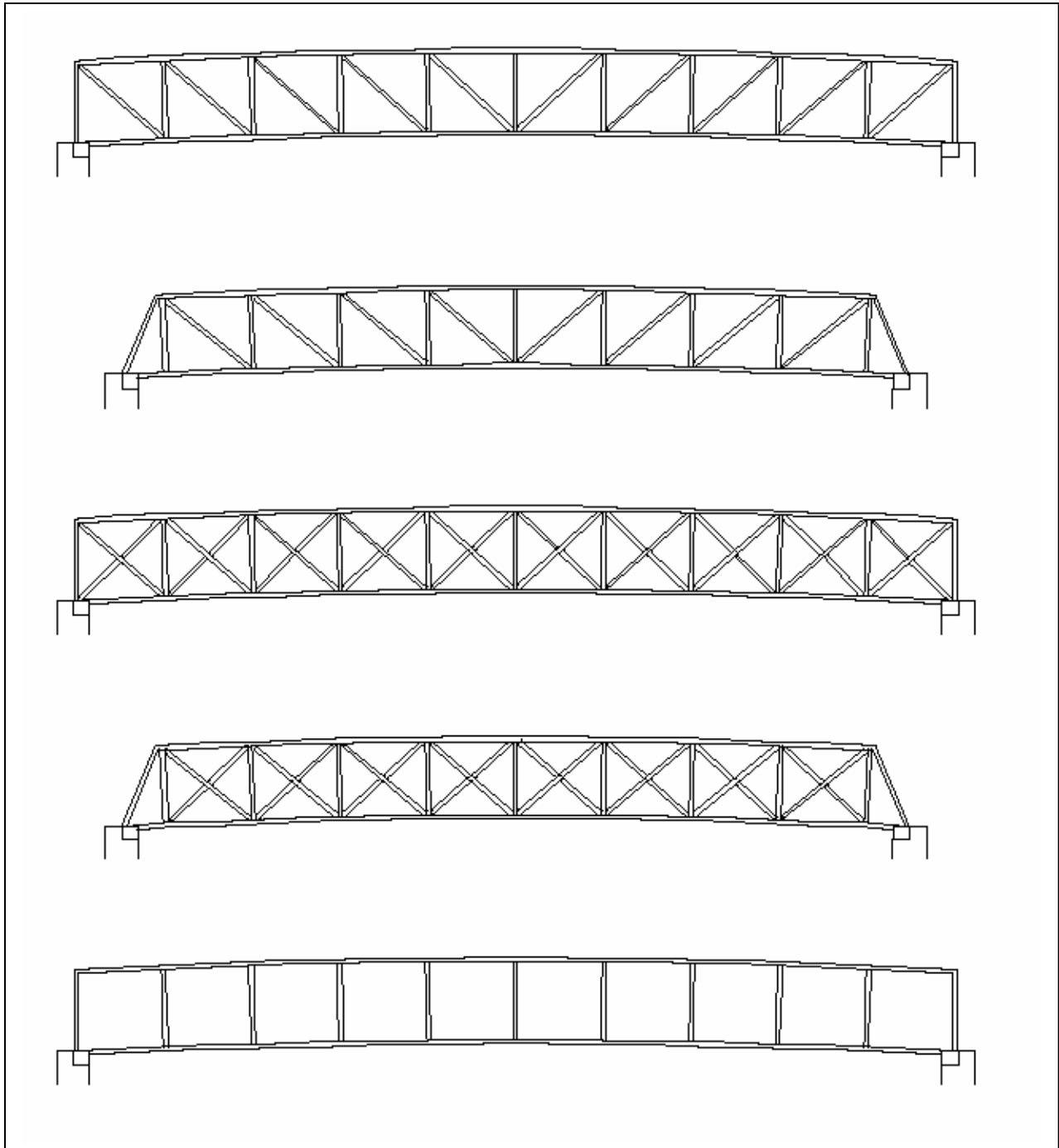
Half-Through Pony

FEATURES

- A cost effective option for bridge spans from zero to 80 feet.
- Side trusses act as the handrail system, allowing an unobstructed view with no overhead members. Typical handrail heights (distance from top of deck to top of top chord) are either 42" or 54".
- Constructed utilizing an underhung floor beam. That is, the top of the floor beam is directly welded to the bottom of the bottom chord.
- This system offers the most minimal top of deck to underside of steel dimension.
- Usually shipped in one piece for spans up to eighty feet. Installation is as easy as removing the bridge from the truck and setting into place.



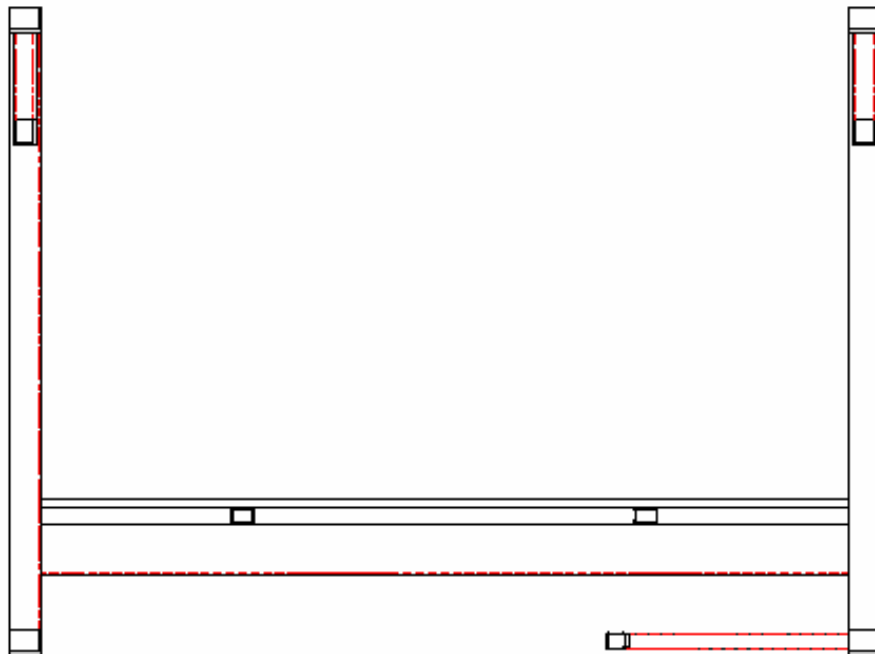
Half-Through Pony System Models



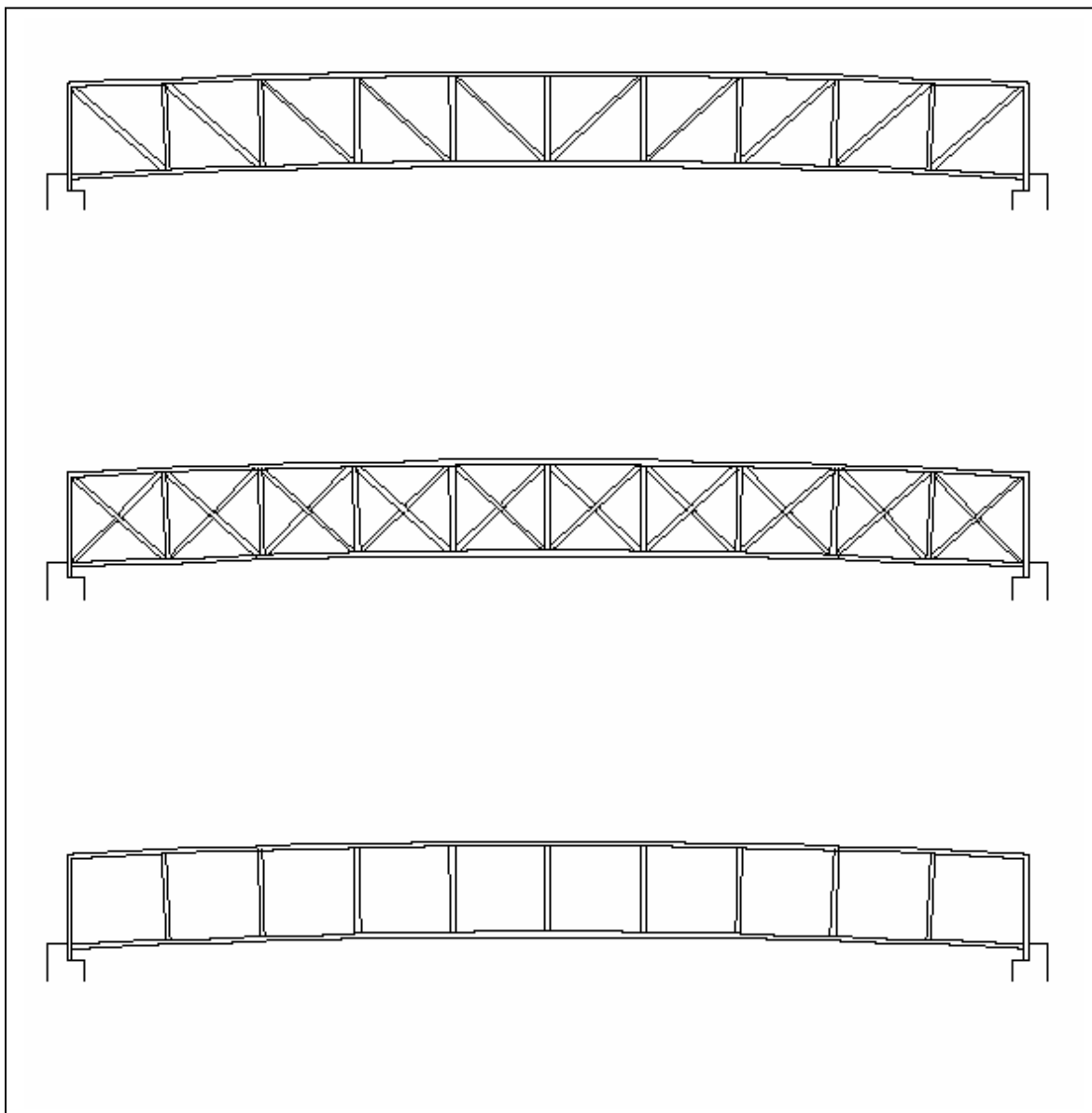
Half-Through H-Section

FEATURES

- A cost-effective option for bridge spans from 80 feet to 220 feet.
- Best option when maximum handrail heights are a controlling issue, but deep trusses are necessary for the span length. Side trusses act as the handrail system, allowing an unobstructed view with no overhead members. Typical handrail heights (distance from top of deck to top of top chord) are either 42" or 54". Remaining truss extends below deck.
- Ideal when long spans are necessary and below deck steel clearance is not an issue.
- Constructed utilizing a floor beam that is welded into the side face of the truss verticals.
- Usually shipped in multiple sections. Sections utilize all bolted field splices. No field welding is required.



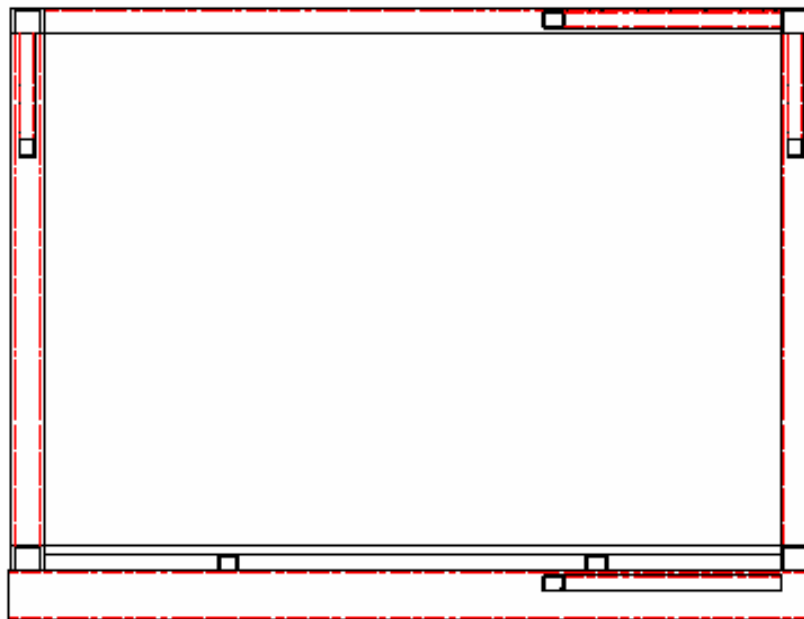
Full-Through H-Section System Models



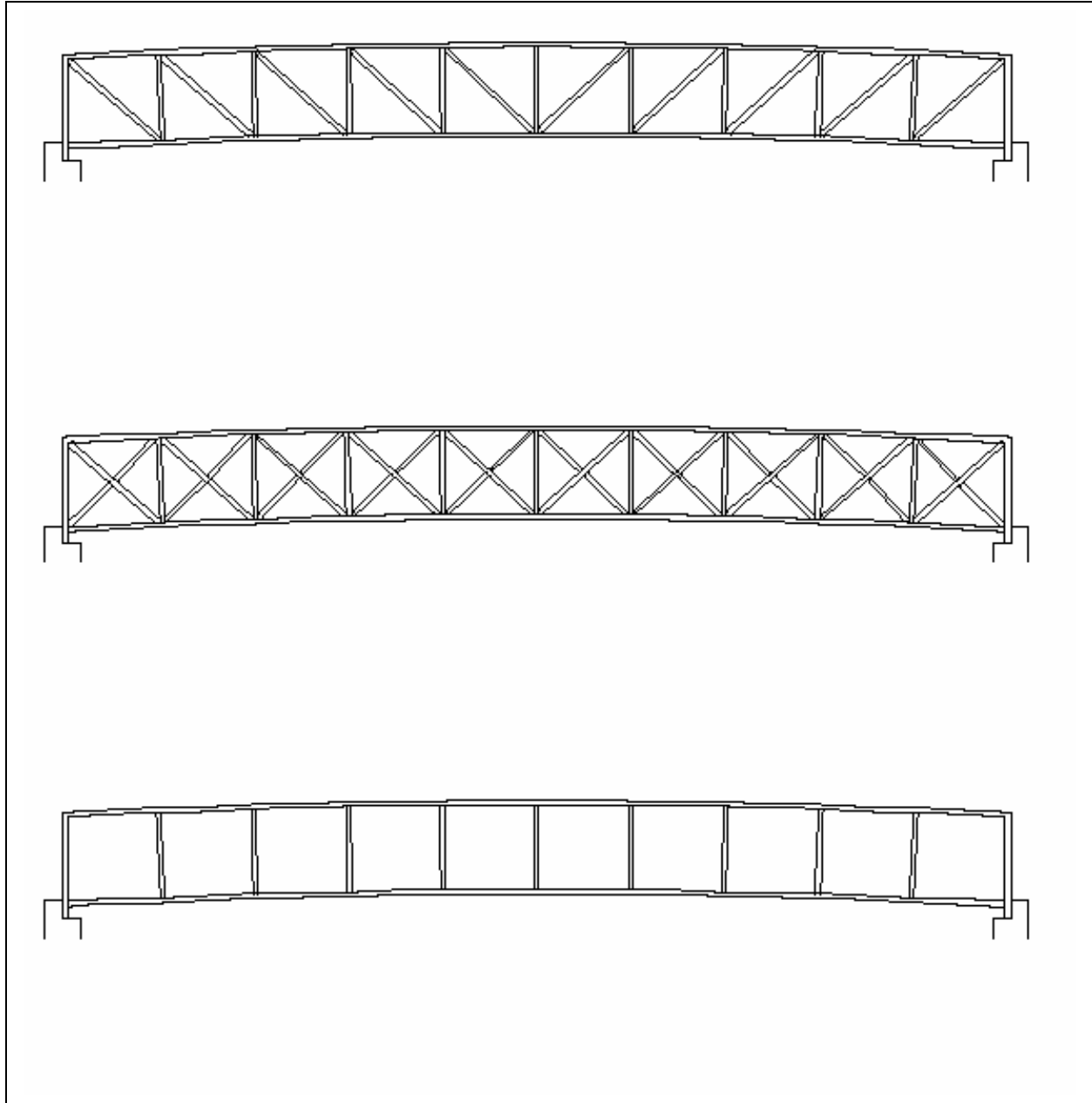
Full-Through Box

FEATURES

- A very cost-effective option for bridge spans from 100 feet to 250 feet, or for any span needing to be fully enclosed.
- This bridge system utilizes overhead framing members to laterally support the top chord and provide wind load resistance.
- Ideal when long spans are necessary and the necessity for minimizing below deck steel clearance is critical.
- Constructed utilizing an underhung floor beam. That is, the top of the floor beam is directly welded to the bottom of the bottom chord.
- Excellent system for use as an overpass or skywalk system. Enclosing materials such as fencing and glazing are easily installed.
- Usually shipped in multiple sections. Sections utilize all bolted field splices. No field welding is required.



Full-Through Box System Models



Bowstring

FEATURES

- Effective for bridge spans from 80 feet to 180 feet.
- Side trusses act as the handrail system. The truss height varies along the length of the bridge, following the camber of the top chord.
- Model BS1-U is constructed utilizing an underhung floor beam. That is, the top of the floor beam is directly welded to the bottom of the bottom chord. This model is typically used for spans less than 100 feet.
- Model BS1-H is constructed utilizing a floor beam that is welded into the side face of the truss verticals.
- Excellent choice for when an architectural statement is desired. Usually a more expensive option than the Half-Through Pony or Half-through H section Systems.

BOWSTRING SYSTEM

