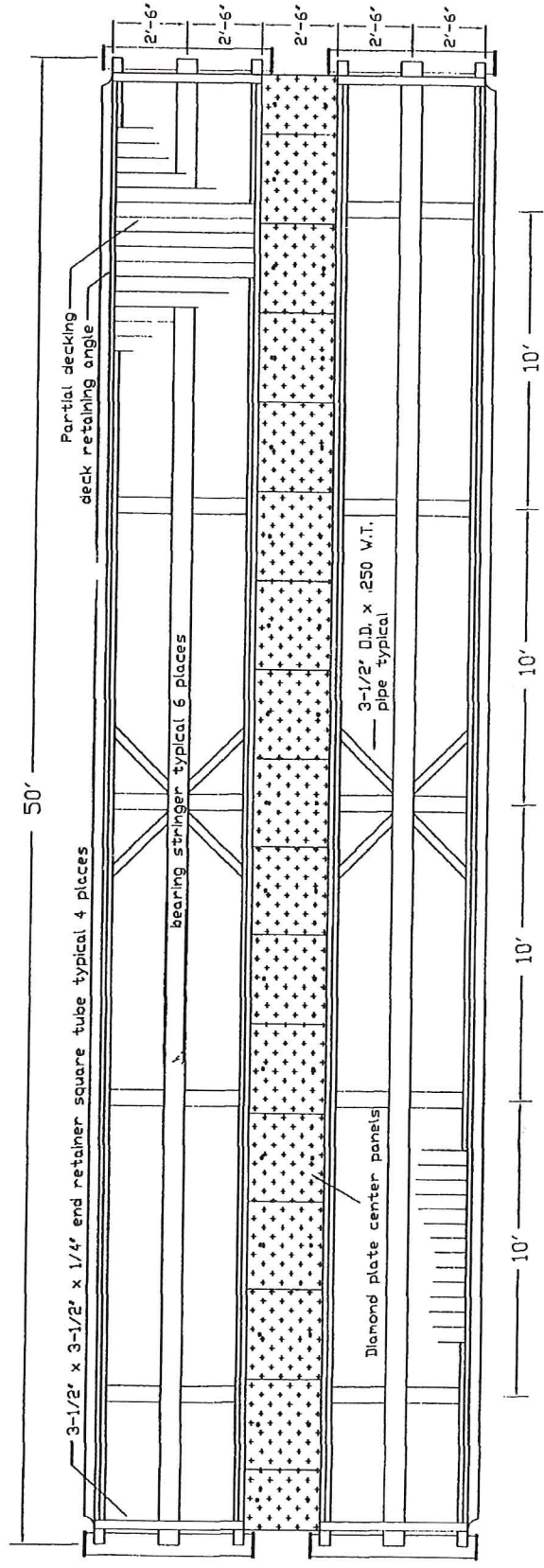


ADM Welding & Fabrication
 37 Broadhead Street Warren, PA 16365
 Phone: 814-723-7227 Fax: 814-723-7326
 www.admwelding.com admwelding@verizon.net

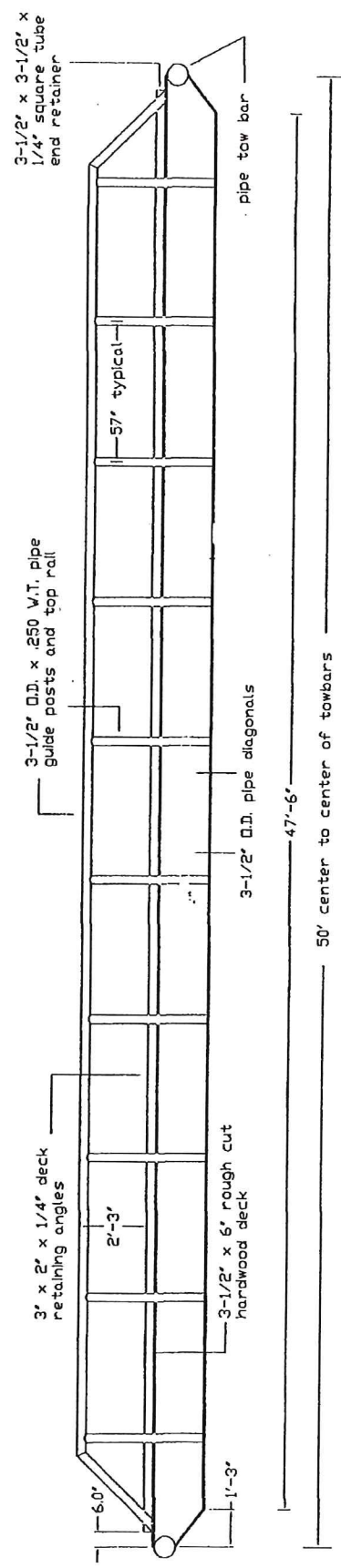
50' Portable Bridge
 Assembled Framing Plan



Notes:
 • Railing and full timber deck not shown for framing clarity

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50' Portable Bridge
Side View



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Mr. Matthew S. McFadder
Office of Licking County Engineer
20 South Second Street
Newark, OH 43055

JULY 21, 2015

RE: Temporary Bridges
Licking County, OH

Matthew:

Thank you for your interest in our temporary bridges. As a starting point, please find the following information on our most common configurations. However we routinely design/fabricate bridges with a variety of widths, capacities, guardrail systems, etc.

Hinged Portable Bridges – Available in lengths through 50'

- 12'-6" clear travel width.
- HS25 capacity (45-ton, 5-axle combination), subject to 10 mph speed restriction.
 - Deflection may exceed AASHTO suggested values.
- Pennsylvania P.E. stamped drawings, stringer calculations, and design letter of certification.
- 3-1/2" O.D. pipe guardrail system (27" above deck).
- Longitudinal hinge system allows bridge to be folded for transport as a legal-width load.
- Heavy duty towbars and tapered beam ends for ease of handling.
- Epoxy primer/urethane topcoat in Hunter Green.
- Timber deck system [two options].
 - 3-1/2"x6" white oak planks – This deck system has been used extensively with our bridges and "field-proven" to be suitable, although calculated stresses are larger than recommended in the National Design Spec for Wood Construction.
 - Treated, nail-laminated, 2x4 SYP deck – This deck system offers approximately twice the lifespan of the white oak, and can be provided with PE stamped calculations of the capacity.

The bridge is one complete unit with guardrail and timber deck pre-installed. The bridge can be set with a crane, or it is often possible to "skid" it across into position using a piece of construction equipment [ideally an excavator] on the far side of the crossing. Once set in place the bridge is unfolded, pinned open, and a series of metal panels drop in place by hand to cover the hinge system. Installation at a previously prepared site averages around an hour.

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Modular Temporary Bridges – Available in lengths through 70'

- 14' clear travel width.
- HS25 capacity (45-ton, 5-axle combination), subject to 10 mph speed restriction:
 - Deflection may exceed AASHTO suggested values.
- Pennsylvania P.E. stamped drawings, stringer calculations, and design letter of certification.
- 3-1/2" O.D. square tube guardrail system (27" above deck).
- Heavy duty towbars and tapered beam ends for ease of handling.
- Epoxy primer/urethane topcoat in Hunter Green.
- Timber deck system [two options – see above].

The bridge consists of two units, each nominally half the width x the full length, with guardrail and timber deck pre-installed. The sections can be set with a crane, or it is often possible to "skid" them across into position using a piece of construction equipment [ideally an excavator] on the far side of the crossing. Once set in place the two sections are aligned and bolted together, then a series of metal panels are set in place to cover the splice location. Installation at a previously prepared site takes approximately two hours.

Cost & Transport Summary

50' Hinged Portable Bridge

Purchase Price

- Hardwood Deck - \$34,400
- Nail-Laminated Deck - \$36,800

Transport

- # Loads – One
- Method – Standard 48' flatbed trailer (legal load)

60' Modular Temporary Bridge

Approximate Purchase Price

- Hardwood Deck - \$56,000
- Nail-Laminated Deck - \$59,000

Transport

- # Loads – Two
- Method – Transport requirements will vary depending on state DOT regulations and the haul vehicle. As a generality, these sections will transport on a 48' flatbed trailer as a permit load only (no escort vehicle) on interstates and state routes. An escort vehicle may or may not be required on local roads.

Bridges over 60' long will generally require hauling on a stretch (extendable) trailer and transport logistics therefore become more complicated and expensive.

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Pricing Excludes

- Design/construction of temporary foundations.
- Offloading and installation.
- Delivery
- Taxes (if applicable)

Freight

Delivery to the Newark, OH area is estimated at \$1750 per load.

Don't hesitate to get in touch if there's any further information we can provide.

Sincerely,

Derek Zawacki
Project Manager