

Sonja Birr

From: Greg Minikel
Sent: Friday, November 02, 2018 2:19 PM
To: Sonja Birr
Subject: FW: 602567 Mariners Trail Pedestrian Bridge Over the Little Manitowoc River

Can you add this to the attachments for Item #18-1031?? Thanks.

These were prices for 2 slightly different style bridges. The Comm. wanted the price for some of the other models that had a little nicer appearance.

From: Brever, Dennis [mailto:DBrever@conteches.com]
Sent: Wednesday, October 31, 2018 7:17 AM
To: Greg Minikel
Subject: 602567 Mariners Trail Pedestrian Bridge Over the Little Manitowoc River

Greg

Bridge pricing is as follows:

OPTION: Capstone Style Bridge

Continental Pedestrian Bridge

Length - 100'-0" Long

Width - 10'-0" Wide

Style - Capstone H-Section

Finish - A500 Black Carbon Steel with a 3-Coat Paint System

AASHTO LRFD

90 PSF Live Load

10,000 LB Vehicle Load

35 PSF Wind Load

Bridge to be designed to accept a 6 inch thick concrete deck

Side Dams & End Dams Included

Galvanized Form Decking Included

Concrete and Steel Reinforcing to be supplied and installed by others

Nominal 5/4x6 IPE Wood Toe Tail

Nominal 5/4x6 IPE Wood Rub Rail

Horizontal Safety Rails Placed at a 4 inch maximum opening placed on the inside of the truss

Steel Cover Plates at both ends of the bridge

Fabric Reinforced Bearing Pads with Teflon & Stainless Steel

Bridge to be shipped in Two Sections with an approximate total lifting weight = +/- 33,000 LBS

Total Budget Number = \$115,122.00 Plus Tax (Delivery to Manitowoc, WI included)

OPTION: Keystone Style Bridge

Continental Pedestrian Bridge

Length - 100'-0" Long

Width - 10'-0" Wide

Style - Keystone H-Section

Finish - A500 Black Carbon Steel with a 3-Coat Paint System
AASHTO LRFD
90 PSF Live Load
10,000 LB Vehicle Load
35 PSF Wind Load
Bridge to be designed to accept a 6 inch thick concrete deck
Side Dams & End Dams Included
Galvanized Form Decking Included
Concrete and Steel Reinforcing to be supplied and installed by others
Nominal 5/4x6 IPE Wood Toe Tail
Nominal 5/4x6 IPE Wood Rub Rail
Horizontal Safety Rails Placed at a 4 inch maximum opening placed on the inside of the truss
Steel Cover Plates at both ends of the bridge
Fabric Reinforced Bearing Pads with Teflon & Stainless Steel

Bridge to be shipped in Two Sections with an approximate total lifting weight = +/- 34,000 LBS

Total Budget Number = \$129,375.00 Plus Tax (Delivery to Manitowoc, WI included)

Please let me know which style they would like to go with and I will get you exact numbers.

Please give me a call to discuss this project.

Thanks,

Please give me a call to discuss this project.

Thanks,

Dennis Brever
Truss Consultant
Contech Engineered Solutions
Phone 320-345-9337
Cell 320-304-3595
dbrever@conteches.com

From: Greg Minikel [mailto:gminikel@manitowoc.org]
Sent: Tuesday, October 30, 2018 4:31 PM
To: Brever, Dennis <DBrever@conteches.com>
Cc: Dan Koski <dkoski@manitowoc.org>; Sonja Birr <sbirr@manitowoc.org>; Chad Scheinoha <cscheinoha@manitowoc.org>
Subject: RE: 602567 Mariners Trail Pedestrian Bridge Over the Little Manitowoc River

Hi Dennis,

I took this information to the Committee earlier this month.

They are interested to know what the cost would be for the same length (100') and same width (10'), but in the Keystone or Capstone Models.

I think everything else would stay the same with a concrete deck and painted steel.

So, it would still be the Continental Pedestrian Truss, but with the Keystone Model and Capstone Model in lieu of the Connector.

They were interested in something a little more elegant and not just so plain, since we are on the Lake Michigan lakefront.

Can you get me a cost for each one of these bridge before November 7th? Thanks.

From: Brever, Dennis [<mailto:DBrever@conteches.com>]
Sent: Wednesday, October 03, 2018 7:17 AM
To: Greg Minikel
Subject: 602567 Mariners Trail Pedestrian Bridge Over the Little Manitowoc River

Greg

Attached is a quick prelim drawing for you to reference for your project.
This is not exactly correct, but it is close.

Bridge pricing is as follows:

Continental Pedestrian Bridge
Length - 100'-0" Long
Width - 10'-0" Wide
Style - Connector H-Section
Finish - A500 Black Carbon Steel with a 3-Coat Paint System
AASHTO LRFD
90 PSF Live Load
10,000 LB Vehicle Load
35 PSF Wind Load
Bridge to be designed to accept a 6 inch thick concrete deck
Side Dams & End Dams Included
Galvanized Form Decking Included
Concrete and Steel Reinforcing to be supplied and installed by others
Nominal 5/4x6 IPE Wood Toe Tail
Nominal 5/4x6 IPE Wood Rub Rail
Horizontal Safety Rails Placed at a 4 inch maximum opening placed on the inside of the truss
Steel Cover Plates at both ends of the bridge
Fabric Reinforced Bearing Pads with Teflon & Stainless Steel

Bridge to be shipped in Two Sections with an approximate total lifting weight = +/- 31,000 LBS

Total Budget Number = \$109,640.00 Plus Tax (Delivery to Manitowoc, WI included)

Please give me a call to discuss this project.

Thanks,

Dennis Brever
Truss Consultant
Contech Engineered Solutions

Phone 320-345-9337
Cell 320-304-3595
dbrever@conteches.com

From: Greg Minikel [<mailto:gminikel@manitowoc.org>]
Sent: Monday, October 1, 2018 4:22 PM
To: Brever, Dennis <DBrever@conteches.com>
Cc: Dan Koski <dkoski@manitowoc.org>; Mike Zimmer <mzimmer@manitowoc.org>
Subject: FW: Sample Drawings - Mariners Trail - Proposed Pedestrian Bridge Over the Little Manitowoc River

Hi Dennis,

Once again, sorry for the delay. I got side tracked again for another 6 weeks.

Anyway, here is some additional information on the proposed bridge that we are looking at. I also attached some photos from each side of the river.

Is this soil boring information enough?? They were from the roadway area.

It looks like we could make the 100 foot bridge work based on what I sketched on the attached aerial photo.

The existing ground elevation on both sides of the river is pretty close to a 589.0 which would match well to keep the bottom chord above the 588.00 elevation, which was the 100 yr. flood elevation on the 1991 Bridge plans.

You recommended the concrete deck and painting the steel truss.

What was your cost estimate again for this bridge??

Who normally designs the footings/foundations or do you have a standard design that gets used with these bridges??

I also need to try and figure out just how we will bid this project.

Thanks again for your assistance.

Greg Minikel, P.E.
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Dept. of Public Infrastructure
City of Manitowoc
900 Quay Street
Manitowoc, WI 54220
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From: Greg Minikel
Sent: Monday, October 01, 2018 3:44 PM
To: Dan Koski
Cc: Mike Zimmer
Subject: FW: Sample Drawings - Mariners Trail - Proposed Pedestrian Bridge Over the Little Manitowoc River

Dan,

Here is some information for our PI Comm. meeting on Wednesday night.

When I talked to Dennis Brever from Contech last month, he stated that we should really go with concrete deck. He said that the cost difference between treated wood and concrete was not that much.

He also said that since this is near the roadway and above the water and if we are salting the trail, then he would highly recommend painting the steel truss.

He suggested either getting or finding existing soil borings in this area.

I will also have to contact the USACOE and WDNR regarding permitting issues.

I believe he said that the cost of the painted bridge with a concrete deck would be around \$125,000 or so if I remember correctly.

We only have \$150,000 in the 2018 budget, so by the time you add the footings on each side and add the installation of the new walkways on each side, we will likely be over the budget, but hopefully not too far off.

From: Brever, Dennis [<mailto:DBrever@conteches.com>]

Sent: Tuesday, August 14, 2018 12:00 PM

To: Greg Minikel

Subject: Sample Drawings

Dennis Brever
Truss Consultant
Contech Engineered Solutions
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dbrever@conteches.com

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