



Yamhill County Public Works Department

2060 Lafayette Avenue, McMinnville, Oregon 97128

Phone 503.434.7515 | Fax 503.472.4068 | Email pubwork@co.yamhill.or.us

YAMHILL COUNTY BOARD OF COMMISSIONERS COVERSHEET

DATE: May 19, 2022
TO: Board of Commissioners
FROM: Mark Lago, Public Works Director
RE: Approval to purchase Prestressed Precast Slabs, for the Deer Creek Park Bridge Replacement

BACKGROUND:

Public Works is requesting approval of a competitive quote to purchase four concrete beams (4' wide by 76' long) for the Deer Creek Park Bridge Replacement Project.

The successful low bid contractor would normally purchase the beams but because of the County driven construction schedule, the procurement process must take place prior to the award of the construction contract to meet the in-water-work window.

Yamhill County consulted with David Evans Associates to provide a list of manufacturers in the Pacific Northwest. They stated there are only two manufacturers of bridge beams, Knife River in Harrisburg, OR, and Concrete Technologies in Tacoma, WA. There was a third manufacturer, RB Johnson, but about a year ago they were purchased by Knife River.

The following is a summary of quotes received:

1. Knife River provided a quote for \$147,063, Freight on Board – beams to be picked up at the plant (see Supporting Data Attachments, pages 1 & 2).
2. Concrete Solutions declined to bid due to pricing competition and schedule demands (see Supporting Data Attachments, page 3).

Also, see attached beam plans (Supporting Data Attachments, page 4).

STAFF RECOMMENDATION:

Approve the purchase of four concrete beams (4' wide by 76' long) for the Deer Creek Park Bridge Replacement Project for \$147,063, as authorized by ORS 279B.070 Intermediate procurements not to exceed \$150,000.

FISCAL IMPACT:

Funds will come out of the Road Fund's Capital Improvement Project account. This project is included in the current approved FY 2021-22 budget and proposed FY 2022-23 budget.

ATTACHMENTS:

Supporting Data Attachments

Accepted by Yamhill County
Board of Commissioners on
5/19/22 by Board Order
22-155

SUPPORTING DATA
page 1

Greg Haffner

From: Jewell, Sam <Sam.Jewell@kniferiver.com>
Sent: Tuesday, May 10, 2022 12:22 PM
To: Greg Haffner
Cc: Amanda Blankenship
Subject: RE: Deer Creek Park Bridge - Modified 26" Precast Prestressed Slab price quote request
Attachments: Deer Creek Park Bridge Replacement.docx

[This email originated outside of Yamhill County]

Greg,

I have updated the pricing **\$147,063** for the beams for an early release on the project. With the early release we can offer a little of a discount to get these into opening production slots where we had some large commercial projects slide. Looking at production possibly July/August if we can get the drawings complete\submitted and approved in time. Price is good no matter when we produce though.

Attached is also the quote from VD and you or your contractor could go direct for hauling.

Thanks,

[Sam Jewell](#) | Outside Sales

Knife River Prestress
office 541-995-4147
mobile 541-221-8599
email sam.jewell@kniferiver.com

B.O. 22-155
Exhibit "A"
Pg 1 of 4

From: Greg Haffner
Sent: Thursday, April 7, 2022 2:51 PM
To: Sam.Jewell@kniferiver.com
Cc: Amanda Blankenship <Amanda.Blankenship@deainc.com>
Subject: Deer Creek Park Bridge - Modified 26" Precast Prestressed Slab price quote request

Sam,

Yamhill County is requesting a price quote to procure 4 ea. modified 26" Slabs x 76' long per details on attached sheet S05 and generally follows ODOT BR 420 & 445 standard drawings. This is a 27" thickened slab similar to ODOT BR420 standard detail with minor end slab modifications shown on Sheet S05. Slabs shall comply with ODOT Section 00550 – Precast Prestressed Concrete Members with the following specials:

SECTION 00550 - PRECAST PRESTRESSED CONCRETE MEMBERS

Comply with Section 00550 of the Standard Specifications modified as follows:

00550.00 Scope – Replace this subsection with the following:

This work consists of transporting and installing the Agency-Provided precast prestressed slabs and Agency-Provided elastomeric bearing pads. Precast prestressed concrete members in this Specifications will be referred to as members.

00550.80 Measurement - Replace this subsection with the following:

No measurement of quantities will be made for Work performed under this Section.

00550.90 Payment - Replace this subsection with the following:

The accepted quantities of Work performed under this Section will be paid for at the Contract lump sum amount for the items: "Install Agency-Provided 26 Inch Precast Prestressed Slabs, Modified".

Payment will be payment in full for furnishing all Materials, Equipment, labor, and Incidentals necessary to complete the Work as specified.

No separate or additional payment will be made for transporting or installing.

We are not 100% sure on our environmental permits right at this moment, but want to get the beams under construction ASAP.

There is a chance that the beams may need to sit until the summer of 2023 due to possible in water work window.

There is no federal money included in this project so domestic steel is not required.

Please let me know if you have any questions.

Greg Haffner
Engineering Manager

Greg Haffner

From: Alex Carpenter <ACarpenter@concretetech.com>
Sent: Thursday, May 12, 2022 12:25 PM
To: Greg Haffner
Cc: Amanda Blankenship
Subject: RE: Deer Creek Park Bridge - Rail insert location update

[This email originated outside of Yamhill County]

Hi Greg,

After discussion with my team we have decided to politely decline the opportunity to bid this one. Both pricing and schedule were factors in this decision. Thank you for considering CTC for this project and we hope you keep us in mind for the next one.

Thanks,

Alex Carpenter
Sales Manager – Buildings, Garages & Detention Vaults
CONCRETE TECHNOLOGY CORPORATION
Direct: 253-404-2209
ACarpenter@ConcreteTech.com

From: Greg Haffner <haffnerg@co.yamhill.or.us>
Sent: Tuesday, May 10, 2022 4:43 PM
To: Alex Carpenter <ACarpenter@concretetech.com>
Cc: Amanda Blankenship <Amanda.Blankenship@deainc.com>
Subject: RE: Deer Creek Park Bridge - Rail insert location update

Alex,

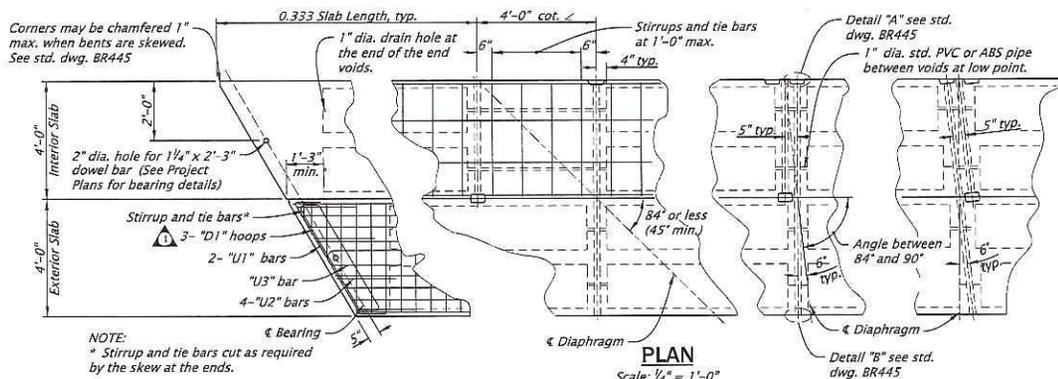
The trucking is only \$800 difference from the competition, so basically a wash. Please let me know if you will be able to quote or not.

Maybe make quote contingent on an October delivery.....

Greg Haffner
Engineering Manager

SUPPORTING DATA
page 4

br420.dgn 07-2020

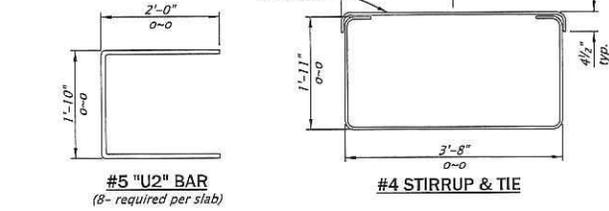
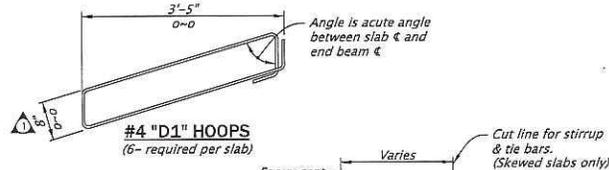
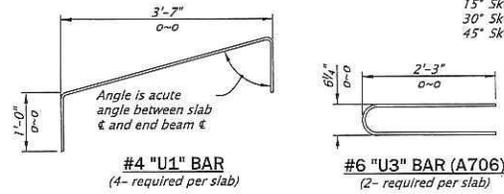


NOTE "A" (Slab End Bars)
2- #4 x 10'-0", slabs 6 and 7
4- #4 x 12'-6", slabs 8, 9, 10, 11, 12 and 13
Place bars each end of each slab (Epoxy coat).

SECTION PROPERTIES

Area =	851 in ²
c.g. =	12.92 in
I =	63,596 in ⁴
St =	4923 in ³
Sb =	4923 in ³
Weight =	916 lbs/ft
J =	128,800 in ⁶
K =	0.77
V/S =	5.75
Form wt =	20 lbs/ft (tubes)
Total wt	
w/forms =	936 lbs/ft
Diaphragm Weight	
No Skew	430 lb
15° Skew	710 lb
30° Skew	1230 lb
45° Skew	1940 lb

NOTE:
GROUT keyway as specified in General Notes.
Omit keyway on exterior side of exterior slabs.
Keyway is continuous.



Accompanied by dwg. BR445

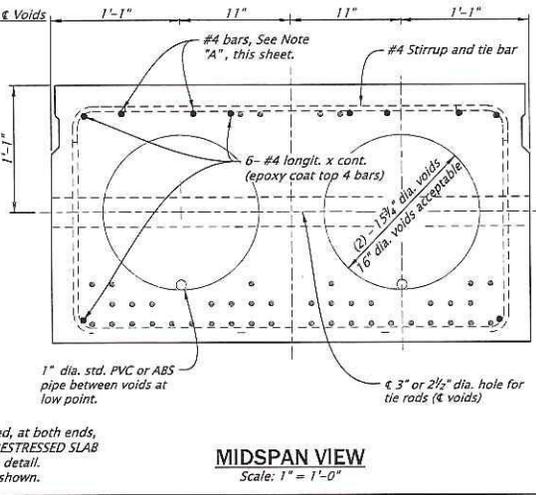
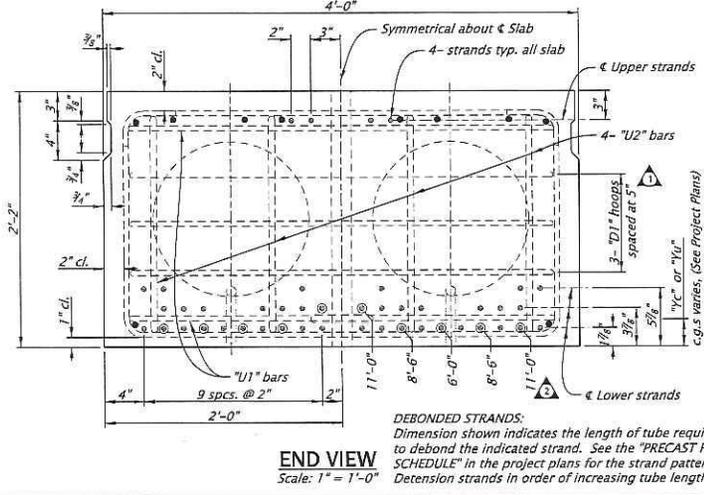
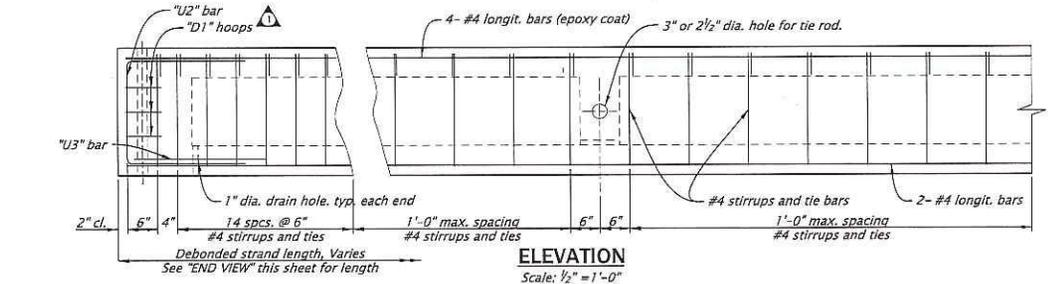
CALC. BOOK NO. _	SDR DATE: 02-July-2020
NOTE: All material and workmanship shall be in accordance with the current Oregon Standard Specifications	
OREGON STANDARD DRAWINGS	
26" PRECAST PRESTRESSED SLAB	
2021	
DATE	REVISION DESCRIPTION
07/2020	Added end zone reinf.
07/2020	Revised debonded length.
07/2020	Updated drawing to current stds.

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without consulting a Registered Professional Engineer.

Effective Date: December 1, 2021 - May 31, 2022

BR420

BR420



B.O. 22-155
Exhibit "A"
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