

Grant #S-5842 - Trail 35 Snowmobile Bridge Grant Amendment Summary

BACKGROUND

In 2022, the SnoHoppers snowmobile club (now Rio Doylestown SledHeads), submitted a request to the Columbia County LWCD for a snowmobile bridge grant application to place a snowmobile bridge over an unnamed tributary of the Crawfish River. The LWCD applied for the grant in 2022, and it was awarded to us in February of 2023. The \$165,000.00 grant was awarded to us based on estimates we received to install a 70'L x 12'W bridge, with an advanced payment for the bridge received in July, 2023. The grant was extended this year from ending June, 2024 to June, 2025 due to the new information on the floodplain area taking more time.

At the time of this application, the LWCD wasn't providing technical assistance to the clubs regarding the placement of their bridge requests. Recently, the department noticed on previous bridge grant awards that some of the bridges to be installed were running into issues during the permitting process. The LWCD department then decided that we should assist these clubs with the placement of their bridges prior to applying for them. The reason the club first applied for a bridge application was this trail goes through a very marshy area, which during the winter can make crossing through on ice impassable if the ice is not froze and they had to travel on the adjacent road with a deep ditch/embankment on the side and it was dangerous to continue doing that (see pics).

While reviewing the bridge location for the Trail 35 grant through interactive map and on-site visits, we noticed that there would be several permitting issues with the location of this bridge. The first issue we noticed was that the bridge and trail leading to the bridge would travel through a wetland with the current bridge installation estimates. The location of the trail going through the wetland would degrade the wetland and possibly impact the approval of the permit. The proposed bridge and the footings installed, could also affect the permitting of the structure due to excavating and possibly filling of the wetland during installation. Wetland soils are also not the ideal soil types to be placing structures on. The second issue we noticed was that this bridge would be placed in a floodplain area (see attached map with floodplain layer). This would require the structure to get an H and H study to determine the impacts of the bridge to the floodplain. The cost of the study and any remediation of placing the bridge in the floodplain, would also create many unknowns in the final bridge cost. There would also be the possibility of damage to the bridge during flooding events. We corresponded with Village of Doylestown, Jeff Schure, Kurt Byfield, and Will Disser regarding solutions.

Due to the permitting and cost unknowns of placing the bridge at this location, the department recommended that a **new** site for the bridge be explored. The department then recommended that they place the bridge to the east of original location to move it out of the wetlands and floodplain (see enclosed location maps). This new location would then increase the size of the bridge from the original proposed size of 70' to 120'.

COST ADJUSTMENT REQUEST

The department then proceeded to get estimates for the new proposed 120' bridge. We received two estimates- one at \$260,000.00 and the other at \$295,000.00 (See enclosed estimates). This new cost of a longer bridge would increase the cost of the project by \$95,000.00 or \$130,000. These are only estimates for cost amendment purposes, once a decision is made at the snowmobile council meeting, "If approved", we would continue with following the county bidding process for this project, opening it up to all contractors.

If any other information if needed or there are questions/concerns please feel free to contact the Columbia County LWCD at (608)742-9670, Tim O'Leary or Kelly Maginnis are handling this project.

State of Wisconsin
DEPARTMENT OF NATURAL RESOURCES
101 S. Webster Street
Box 7921
Madison WI 53707-7921

Tony Evers, Governor
Adam N. Payne, Secretary
Telephone 608-267-7556
Toll Free 1-888-936-7463
TTY Access via relay - 711



February 7, 2023

► **REQUIRES IMMEDIATE ACTION** ◀

Snowmobile Trail Aids

Grant# S-5842

Grant Amount: \$165,000.00

Kurt R. Calkins, Land Conservation Director
Columbia County
112 East Edgewater
Portage, WI 53901

Dear Mr. Calkins:

Congratulations! On behalf of the Governor, we are pleased to forward to you a grant agreement for financial assistance for the following project: ***Columbia County Trail 35 Bridge, 2023-24***

Please review the agreement and return a copy signed by the authorized official **within 30 days of this letter's date** to Kurt Byfield at the Community Financial Assistance, 3911 Fish Hatchery Rd, Fitchburg, WI 53711. Your grant is not official until you have returned the signed copy. Please read the items checked below. They apply to your project and grant award.

Grant Award Time Period: September 1, 2022 through June 30, 2024. All project activities must occur within this time period to be eligible costs for reimbursement.

ACH Transfer Payment: Grant payments will be sent via ACH transfer (electronic bank transfer). When the ACH transfer occurs, your county treasurer will receive an email from the State of Wisconsin with payment details, including a "memo" with details on the project to help them process the payment appropriately.

Changes to the approved project scope, Project time period, and/or project financial assistance (budget) may not be made without prior approval from the Department.

You are entitled to a project advance of: \$123,750.00

This advance payment is made available to you to cover costs you may incur in the initial stages of your project. The advance payment is equal to 75% of the state cost sharing assistance. *If you wish to request the advance payment, please check the box provided on the last page of the project agreement.*

Please check your local procedures to insure you comply with all applicable state laws regarding competitive bidding and awarding.

Please note: To simplify record keeping on chargebacks for equipment referenced in county machinery agreements, we will use rates established by the Department of Transportation (DOT). The correct version of the DOT rates will be indicated on your grant web page located at <http://dnr.wi.gov/Aid/Grants.html>. Snowmobile and Off-Road Vehicle Council established rates, supersede the DOT rates and are available on those web pages.

Reimbursement claim forms and/or financial administration information can be found by going to: <http://dnr.wi.gov/Aid/Grants.html> and then selecting the Snowmobile Trail Aids webpage. Please submit reimbursement claim forms for your project to Kurt. Feel free to contact Kurt at 608-501-4274, if you have any

questions about your grant award or the reimbursement procedures. We are pleased to have the opportunity to participate with you on this project.

Sincerely,

A handwritten signature in cursive script that reads "Jillian Steffes for".

Jim Ritchie, Director
Bureau of Community Financial Assistance

C: Kurt Byfield – SCR



111 Willow Street
Colfax, WI 54730
(715) 962-2800
FAX: (715) 962-2801

PROPOSAL

July 3, 2024

To: Columbia County Snowmobile Trail Administrator

Re: Snowmobile Bridge Budget

- 1 - **120' x 12' (clear width) steel truss bridge**
 - Design Standards: **AASHTO**
 - Diagonals per Panel: **1**
 - Clear width: **Inside face structural elements at deck level**
 - End Vertical: **Square**
 - Bearings: **Equal Elevations**
 - Steel Grade: **A588/A847 (Unpainted self-weathering)**
 - Deck: **#1 Southern Yellow Pine (.40 MCA)**
 - Safety Rails: **Horizontal (4" opening)**
 - Installation: **Steel and/or concrete abutments**
 - Loads: **85 psf live load - 35 psf wind load – 25,000 lbs. vehicle load**
 - FOB: **Columbia County, WI**
 - Engineered Drawings State Seal: **Wisconsin**

Price-----\$260,000

• Structure (Steel Truss)	\$160,000
• Engineering	\$20,000
• Soil Testing	\$0
• Site Prep	\$10,000
• Abutments	\$40,000
• Labor	\$20,000
• Rip Rap	\$10,000

*****This price is for budgetary purposes only*****

Please call with any questions.

Thank you,

Kory S. Weathers

Project: Revised: Doylestown Snowmobile Bridge
Columbia Co., WI



Wheeler Lumber LLC
9531 W 78th Street, Ste. 100 | Minneapolis, MN 55344
Jake Silkey | Sales Engineer
jsilkey@wheeler1892.com | 262.229.4068

Letting | Date:
Time:
Place:

Timber Panel Lam Snowmobile Bridge:

30'/30'/30'/30' (120' total span) x 12' wide, H12.5 loading (25,000 lbs vehicle)

Wheeler Materials: \$150,000

Engineering: \$10,000

Geotechnical Investigation: \$10,000

Abutments and Piers (Helical or Timber Piling *by others*): \$65,000

Construction Costs (bridge install, mobilization, restoration *by others*): \$60,000

Total Estimated Cost: \$295,000

Area in marsh first proposed for installing entry area for bridge



First proposed exit pic



adjacent road with a deep ditch/embankment





Trail 35 bridge location map



Original proposed bridge location

New bridge location proposal

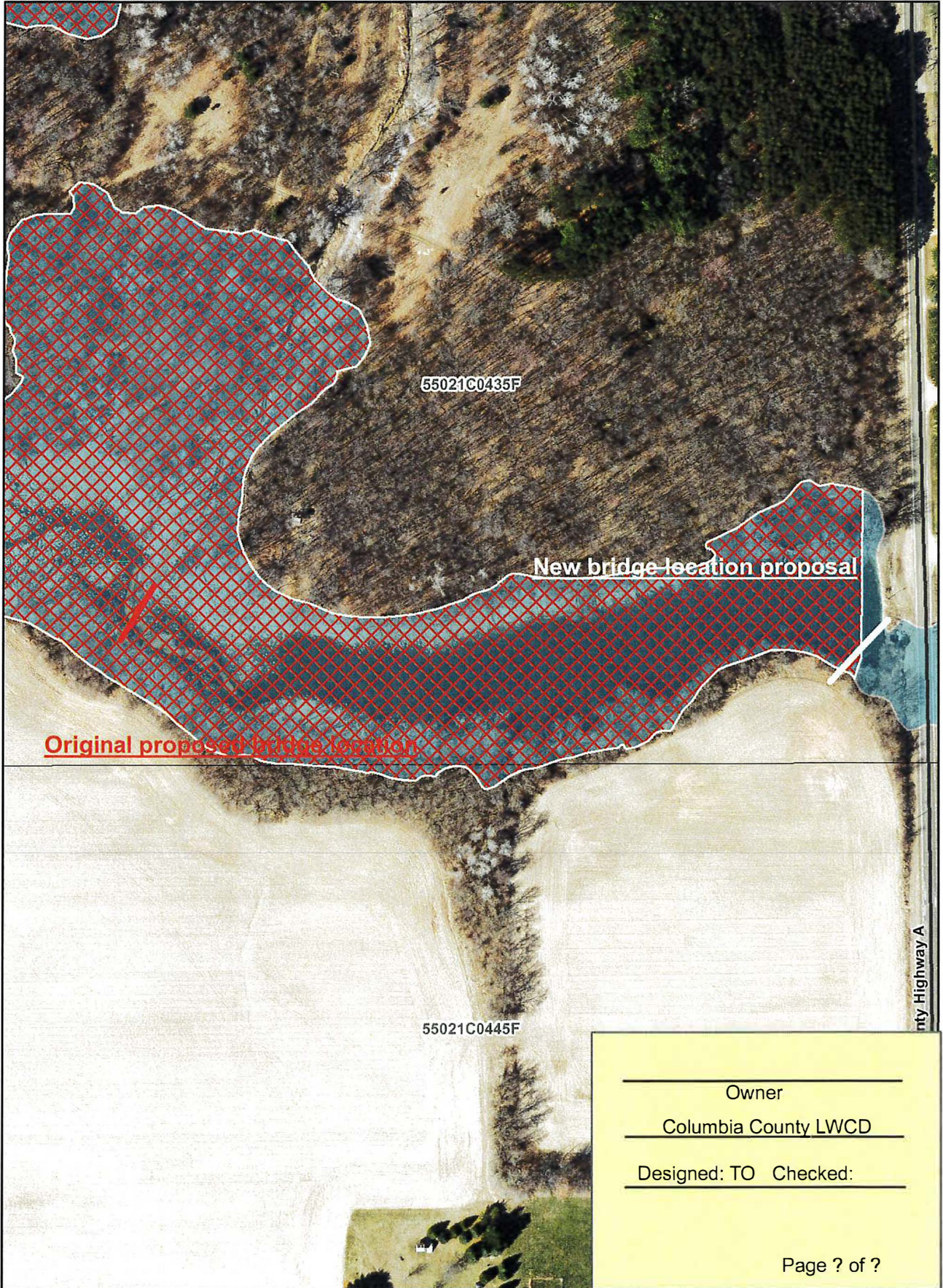
County Highway A

Owner
Columbia County LWCD

Designed: TO Checked:

Page ? of ?

Trail 35 bridge location map with floodplain layer



Owner
Columbia County LWCD
Designed: TO Checked:
Page ? of ?

Trail 35 bridge location map with wetland layer



Original proposed bridge location

New bridge location proposal

County Highway A

Owner
Columbia County LWCD
Designed: TO Checked:
Page ? of ?

State of Wisconsin
 Department of Natural Resources
dnr.wi.gov

Motorized Recreation Grant Application

For: (choose all that apply) Form 8700-159 (R 03/22)
Page 1 of 5

- ATV/UTV Trail Aid
 Snowmobile Trail Aid

Due Date: April 15

Notice: Completion of this form is required under Wisconsin Statutes 23.09(26) and 23.33. Failure to complete this form will result in denial of financial assistance. Personally identifiable information found on this form is not intended to be used for any other purpose. The Department of Natural Resources (DNR) may provide this information to requesters as required by Wisconsin's Public Records law (ss. 19.31 – 19.39, Wis. Stats.).

Instructions: Applications may combine more than one source of funds. They may be submitted for consideration of traditional ATV, UTV, Snowmobile and Motorized Stewardship funding. Submit one copy of all forms and attachments. See Page 2 for necessary attachments. Send applications to your Community Services Specialist.

DNR Use Only	
Category	Number

Section 1: Applicant Information

Applicant / Organization Name Columbia Co. LWCD/SnoHoppers of Doylestown			Check Recipient: Individual other than authorized individual to act on behalf of the applicant. <input checked="" type="checkbox"/> Select if the same as applicant.		
Individual Authorized to Act on Behalf of Applicant per Resolution Kurt R. Calkins			Check Recipient Name (Name to Appear on Check) Kurt R. Calkins		
Title Director LWCD			Title Director LWCD		
Address 112 E. Edgewater Street, Room 244			Address 112 E. Edgewater Street, Room 244		
City Portage	State WI	ZIP Code 53901	City Portage	State WI	ZIP Code 53901
Telephone Number (608) 742-9670		Email Address kelly.maginnis@co.columbia.wi.us			

Section 2: Project Information Required for all Projects

Project Title Trail 35 Bridge					Current Funded Miles 14.79	New Miles (if applicable)
County Columbia	Township 11 N	Range 11	Section 11	<input checked="" type="radio"/> E <input type="radio"/> W	<input type="checkbox"/> ¼ <input checked="" type="checkbox"/> ¼ <input type="checkbox"/> ¼	GPS Coordinates: Lat. 43.438169 Long. -89.150981

Project Description Summary

Bridge over wetlands. There is a marshy area that is part of Trail 35, but the past couple years the water rises during difficult times of the year where they are not able to use the trail due to high water. They have rerouted this area recently to a safer route along the forest line and road but then have a longer distance to travel to join back with the original trail, so having a bridge to pass over the wetlands/high water area during those times needed would be the best fix.

I certify that all maintenance land use agreements are on file.

Estimated Cost

Maintenance	Acquisition	Insurance	Development	Bridge Rehab.	Trail Rehab.	Total Estimated Cost \$165,000.00
Leave Blank – DNR Use Only						

Applicant Certification

Printed Name of Authorized Official Kurt R. Calkins	Official's Title Director of LWCD
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As the applicant's authorized official, I certify that, to the best of my knowledge, the information in this application is true and correct.


 Signature of Authorized Official

4/11/2022
 Date Prepared

Checklist for Maintenance and Projects		
Snowmobile	ATV/UTV	
<input type="checkbox"/>	<input type="checkbox"/>	Project resolution by grant applicant authorizing participation (sample resolution)
<input type="checkbox"/>	<input type="checkbox"/>	Project is on public land and I will be applying for RTP funds for this project. \$
<input type="checkbox"/>	<input type="checkbox"/>	Land Acquisition – consult your Regional Grant Specialist for required procedures
Maintenance		
<input type="checkbox"/>	<input type="checkbox"/>	Current trail map identifying funded/unfunded miles.
<input type="checkbox"/>	<input type="checkbox"/>	Troutes – identify gas tax or no gas tax
Bridge Rehab/Replace/New, Re-Route w/bridge – Must complete Appendix A		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Quality photos showing need for rehabilitation (no snow photos)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	County wide trail map showing bridge location on the funded trail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Aerial, wetland, topo, and plat maps showing bridge location with trails overlaid
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Detailed construction plans (show length, width, rail height and approaches)
<input type="checkbox"/>	<input type="checkbox"/>	Reroute - Cost Estimate Worksheet Form 8700-014
<input type="checkbox"/>	<input type="checkbox"/>	Reroute - trail map showing old trail and proposed new trail with bridge location
<input checked="" type="checkbox"/>		New Bridge Rank (don't need for replacement or reroute bridges)
<input type="checkbox"/>		Trail Reroute Ranking Tool
	<input type="checkbox"/>	Identify season - Summer, Winter, Year-Round (Winter include rules)
Trail Rehab/Qualified Troute – Must complete Appendix B		
<input type="checkbox"/>	<input type="checkbox"/>	Quality photos showing need for rehabilitation
<input type="checkbox"/>	<input type="checkbox"/>	County wide trail map showing the segment proposed for rehabilitation on the funded trail
<input type="checkbox"/>	<input type="checkbox"/>	Aerial, wetland, topo, and plat maps with the trails overlaid
<input type="checkbox"/>	<input type="checkbox"/>	Cost Estimate Worksheet – Form 8700-014 (Itemize gravel costs)
	<input type="checkbox"/>	Depth and location of gravel to be used
	<input type="checkbox"/>	Identify season - Summer, Winter, Year-Round (Winter include rules)
New Miles – Must complete Appendix B if development funds are requested		
<input type="checkbox"/>	<input type="checkbox"/>	Current county trail map identifying all requested segments.
<input type="checkbox"/>	<input type="checkbox"/>	Aerial and topo site maps for each segment requested. Include Town-Range-Section.
<input type="checkbox"/>	<input type="checkbox"/>	Cost Estimate Worksheet – Form 8700-014 (only if development funds needed)
<input type="checkbox"/>	<input type="checkbox"/>	Construction plans for bridges or other structures. Include Appendix A
<input type="checkbox"/>		New Trail Ranking Tool
	<input type="checkbox"/>	Troutes – identify gas tax or no gas tax
	<input type="checkbox"/>	Identify season - Summer, Winter, Year-Round (Winter include rules)
Intensive Use Area		
	<input type="checkbox"/>	County, plat, wetland, topo maps showing project boundaries, trails, and elements
	<input type="checkbox"/>	Site plans showing any existing facilities along with proposed new construction including trails, riding courses, bridges, culverts, shelters, parking lots and toilets
	<input type="checkbox"/>	Preliminary construction plans for new trails, major grading, buildings, bridges, etc.
	<input type="checkbox"/>	Cost Estimate Worksheet – Form 8700-014
New Support		
<input type="checkbox"/>	<input type="checkbox"/>	Campgrounds, shelter, etc. Please provide detailed information.
<input type="checkbox"/>	<input type="checkbox"/>	Cost Estimate Worksheet – Form 8700-014

Appendix A – Required for Bridge Rehab/Replace, New, or Reroute with New Bridge

Bridge Rehab/Replace New Bridge Reroute with new bridge

County	Township	Range	<input checked="" type="radio"/> E <input type="radio"/> W	Section	¼ ¼	¼	GPS Coordinates: Lat. 43.438169 Long. -89.150981
Columbia	11 N	11		11			
Water Body Name				Bridge Name		County Inventory Number	
Wetland				Trail 35 Bridge			
Funded Trail Name or Number (SNARS if applicable)				Has this bridge site ever received development or rehabilitation funds in the past? <input type="radio"/> Yes <input checked="" type="radio"/> No Year: _____ \$ _____			
County Trail 35							
Bridge is located on: <input checked="" type="radio"/> Private property <input type="radio"/> Public property				Old Bridge/Culvert Size <u>N/A</u> New Bridge/Culvert Size <u>70L'x12W'12.5H'</u>			
Landowner Where Bridge is Located				Telephone Number		Length of Trail Use Agreement (5 year minimum)	
Sally Jo Bahr Epps				(920) 210-5020		5 years +	
Current maximum load _____ lbs.		Age of Bridge		Bridge Material			
Proposed maximum load <u>25,000</u> lbs.							
Sponsoring Club Name				Club Contact		Telephone Number	
SnoHoppers of Doylestown				Adam Hohlstein		(920) 382-7003	
Do you have your trail bridges posted as to maximum load? <input type="radio"/> Yes <input type="radio"/> No				What is the maximum load of the other bridges on the system if groomed with this bridge?			
What is the weight of your puller & drag/grading equipment? 11,900 lbs							
What other recreational trail uses are planned for this bridge? Snowmobile							
If there are other Recreational uses planned, how much of the bridge cost will be paid for by non-snowmobile or non-ATV users? None							
<input type="radio"/> Yes <input checked="" type="radio"/> No Have you contacted your local <u>DNR Water Management Specialist (WMS)</u> regarding a permit? <input checked="" type="radio"/> Yes <input type="radio"/> No Is a permit needed? (Please provide any written correspondence from WMS.) <input type="radio"/> Yes <input checked="" type="radio"/> No Have you contacted your County Zoning Dept. regarding a floodplain determination? <input type="radio"/> Yes <input type="radio"/> No Will an H & H (hydrologic and hydraulic) study be required?							

Bridge Project Detailed Description

Bridge over wetlands. There is a marshy area that is part of Trail 35, but the past couple years the water rises during difficult times of the year where they are not able to use the trail due to high water. They have rerouted this area recently to a safer route along the forest line and road but then have a longer distance to travel to join back with the original trail, so having a bridge to pass over the wetlands/high water area during those times needed would be the best fix.

Appendix A (continued)

Summarize Costs in Appropriate Categories:

Bridge Structure		
	Quote 1	Quote 2
	<input type="radio"/> Steel <input checked="" type="radio"/> Wooden	<input type="radio"/> Steel <input checked="" type="radio"/> Wooden
Bridge Dimensions:	<u>70'Lx12W'x12.5H</u>	<u>70'Lx12W'x12.5H</u>
Bridge Manufacturer:	<u>RG Huston Co, Inc.</u>	<u>Wheeler</u>
Design Weight Load	<u>25,000 lbs.</u>	<u>25,000 lbs.</u>
Cost of Structure:		
1. Engineering	\$ <u>12,000</u>	\$ <u>10,000</u>
2. Structure	\$ <u>95,000</u>	\$ <u>75,000</u>
Subtotal	\$ <u>107,000</u>	\$ <u>85,000</u>

	Quote 1	Quote 2
	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate	<input checked="" type="radio"/> Contractor or <input type="radio"/> Sponsor Estimate
Installation Costs:		
1. Engineering	\$ _____	\$ _____
2. Site Preparation	\$ _____	\$ _____
3. Abutments	\$ _____	\$ _____
4. Pilings/Piers	\$ _____	\$ <u>40,000</u>
5. Approaches	\$ _____	\$ _____
6. Riprap	\$ _____	\$ _____
7. Labor	\$ <u>68,500</u>	\$ _____
8. Equipment Rental	\$ _____	\$ _____
9. Culverts	\$ _____	\$ _____
10. H & H Study	\$ _____	\$ _____
11. Wetland Delineation	\$ _____	\$ _____
12. Other <u>Mobilization</u>	\$ <u>16,800</u>	\$ <u>40,000</u>
Subtotal	\$ <u>85,300</u>	\$ <u>80,000</u>
Total Cost	\$ <u>192,300</u>	\$ <u>165,000</u>

For the application grant, you must take the lowest of the two quotes.

Entire Deck and Railing Projects		<input checked="" type="radio"/> Contractor	<input type="radio"/> Sponsor	<input type="radio"/> Club
Bridge Dimensions:	<u>70'Lx12'Wx12.5'H</u>			
Design Weight Load	<u>25,000 lbs.</u>			
1. Materials	\$ <u>75,000</u>			
2. Labor	\$ <u>90,000</u>			
Total	\$ <u>165,000</u>			

Budget Price Only



R.G. HUSTON COMPANY, INC.

R G Huston Company, Inc.

2561 Coffeytown Road

Cottage Grove, WI 53527

Contact: Kollin Reinhardt

Cell: (608) 219-3117

Email: kreinhardt@rghuston.com

Quote To: Doylestown Sno Hoppers Club

Attn: Adam Hohlstein

Phone: (920) 382-7003

Email: allaction24_7@outlook.com

Job Name: Doylestown Sno Hoppers Bridge Budget

Date of Plans: 3/23/2022

Date of Quote: 3/28/2022

Revision Date:

Addenda

RGH Quote No: 2022-085

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
10	Mobilization	1.00	LS	16,800.00	16,800.00
20	Construction Costs (Bridge Install)	1.00	LS	68,500.00	68,500.00
30	Bridge Materials (By Others)	1.00	LS	95,000.00	95,000.00
40	Engineering Costs (By Others)	1.00	LS	12,000.00	12,000.00
GRAND TOTAL					192,300.00

NOTES:

Pricing valid for 60 days from the date of the quote.

Assumes no bonds, permits, fees, staking (utility & building), soils testing or engineering, included in pricing.

Assumes no winter work or frost protection provisions.

Assumes any utility (ie gas, electric, tv, etc) installations, removals or relocations to be done by others.

Assumes all landscaping to be done by others.

T21

Estimate

DATE

Project: Doylestown Snowmobile Bridge
Columbia Co., WI



Letting | Date:
| Time:
| Place:

Wheeler Lumber LLC
9531 W 78th Street, Ste. 100 | Minneapolis, MN 55344

Jake Silkey | Sales Engineer
jsilkey@wheeler1892.com | 262.229.4068

Timber Panel Lam Snowmobile Bridge:

20'/30'/20 (70' total span) x 12' wide, H12.5 loading (25,000 lbs vehicle)

Wheeler Materials: \$75,000

Engineering: \$10,000

Abutments and Piers (Helical Piling **by others**): \$40,000

Construction Costs (bridge install, mobilization, **by others**): \$40,000

Total Estimated Cost: \$165,000

Maginnis, Kelly

From: SnoHoppers of Doylestown <snohoppers@gmail.com>
Sent: Monday, March 28, 2022 5:08 PM
To: Maginnis, Kelly
Cc: Adam Hohlstein
Subject: Bridge Site Photos

Caution! This message was sent from outside your organization.

[Allow sender](#) | [Block sender](#)

Hi Kelly,

Below are four photos of the bridge site, so you can see in each direction.

Perpendicular facing East (down stream) toward the dam/highway A



Facing South where the trail exits into the corn field. The exit point will be just to the left of the opening at the center of

the photo, as we'd cut down those two trees.



Facing North into the forest at the center of the photo



Facing West (up stream)



Let us know if you have questions on these photos.

Corrine

