

November 4, 2022

Procurement Agent Senior: Jenifer Schofield, NIGP-CPP
Requisition/Purchase Order Nos.: 984496
Vendor Name: Bayne Development Group, LLC
Purchase Amount: \$123,479.38

Jennifer Schofield

Emergency Request Recommendation – Arabia Mountain Bridge #1

On November 4, 2022, Purchasing and Contracting received an emergency request from Recreation, Parks and Cultural Affairs for Bridge No. 1 at Arabia Mountain. The emergency purchase is necessary as the bridge provides a gateway to other areas and its failure is a life, health and safety issues for anyone who utilizes the park, as the park as been deemed as imminently failing.

A Sourcewell Cooperative Agreement, EZIQC Contract has been identified as the quickest means to rectify the condition. A quote from Bayne Development Group, LLC has been provided. Based on the impact to the County, its workers and residents, should the bridge fail, I recommend approval of this emergency purchase request. An agenda item will be drafted for submission for ratification of the request.



Department of Purchasing and Contracting NON-COMPETITIVE PROCUREMENT REQUEST FORM

Requesting Department: Recreation, Parks and Cultural Affairs

Department Contact Person: Paige Singer

Telephone: 404-687-3733

Email: pk singer@dekalbcountyga.gov

Requisition Number: 984496

Suggested Supplier: Bayne Construction

Estimated Amount of Purchase: \$ 123,479.38

Detailed Description of the Goods or Services to be purchased: _____

To replace a bridge located at Arabia Mountain that has been deemed unsafe for pedestrians and vehicles

Emergency (For Emergency Requests, Please check this box and answer **all** questions below.)

1. Date and Time of Emergency Occurrence: 10/20/2022

2. Please state the nature of the emergency posing a risk to public health, welfare, safety or resources:

A bridge located at Arabia Mountain along the PATH is failing. The bridge needs to be replaced immediately as it has been deemed unsafe by a structural engineer to be utilized by pedestrians or utility vehicles.

3. State how the Estimated Amount was determined to be Fair and Reasonable (attach supporting documentation):

RPCA intends on utilizing the EZIQ. Please see attached.

Sole Source (Please check box and answer all of the following completely.)

1. Provide an explanation why the product, service or supplier requested is the only method that can satisfy the requirements. Please explain why alternatives are unacceptable. Be specific with regard to specification, features, characteristics, requirements, capabilities and compatibility. (Attach additional documents, if necessary):

2. Will this purchase obligate us to a particular vendor for future purchases? (Either in terms of maintenance that only this vendor will be able to perform and/or if we purchase this item, will we need more "like" items in the future to match this one?) Explain in detail.

3. Explain the impact to the County or Public if this request is not approved.

I hereby request that this non-competitive procurement request be approved for the purchase of the above stated work, material, equipment, commodity, or service.

Department Director (Typed/Printed Name)

Chuck O. Ellis

Signature:

Chuck O. Ellis

Date: 11/04/21

Do Not Write Below – for the Department of Purchasing and Contracting Use Only

Procurement Agent (Typed/Printed Name)

Jennifer Schofield

Signature:

Jennifer Schofield

Date: 11.4.2022

Procurement Manager (Typed/Printed Name)

Delois Robinson

Signature:

Delois Robinson

Digitally signed by Delois Robinson
Date: 2022.11.04 15:16:37 -0400

Date: 11/4/22

Approved

Not Approved

Signature: _____, Director, Department of Purchasing and Contracting Date: _____

P&C Rev. 12/13/2018

Approved Not Approved, _____, Zachary L. Williams, Chief Operating Officer

Print Form

September 12, 2022

Paige K. Singer, Division Manager
DeKalb County Recreation, Parks and Cultural Affairs
3681 Chestnut Street
Scottdale, GA 30079

Re: Arabia Mountain Trail (Polebridge Trailhead) – Pedestrian Bridge & Boardwalk Observations

Site Name: Arabia Mountain Trail

Site Address: 262 Browns Mill Road, Stonecrest, GA 30338

Ms. Singer:

We visited the Arabia Mountain Trail on July 27, 2022 for the purpose of making visual structural observations of (5) existing pedestrian bridges and associated boardwalks at different locations along the trail. The pedestrian bridges vary in span and construction and only the bridges and boardwalks shown in this report were included in the scope of this investigation.

The locations of the observed pedestrian bridges are shown in the Figure 1 – Site Plan and are labeled in accordance with the locations as specified in email correspondence we received. The following letter summarizes those visual findings, each wall was given a condition rating of 1–5 as defined below.

- 5 - Like-New Condition: No visible issues observed.
- 4 - Good Condition: Minor issues observed, but bridge is functioning as designed.
- 3 - Fair Condition: Issues observed, requires repairs within 6-12 months.
- 2 - Sub-Par Condition: Severe Issues observed, requires repairs within the next 3-6 months.
- 1 - Poor Condition: Failure/Partial Failure is apparent; repairs should be done immediately.

No attempt was made to verify if the construction of the pedestrian bridges matched the original design as there was insufficient information available to conduct such an analysis. No invasive/destructive testing was authorized or performed; this report includes visual observations only.

Due to unknown factors and the inability to investigate below grade or observe full bridge member integrity without invasive observation methods, regardless of condition rating we recommend all pedestrian bridges are monitored annually for signs of fatigue.

If any questions arise from your review, please call us at your earliest convenience.

Sincerely,
FORESITE GROUP, LLC

George Reynolds, P.E.
Senior Project Manager





Figure 1 – Site Plan Pedestrian Bridge Locations

		Observed Condition	Time Frame for Remediation
Bridge #1	Pedestrian Bridge	1 – Poor Condition	Immediately
	Boardwalk	4 – Good Condition	Minor Issues to be Repaired as Necessary
Bridge #2	Pedestrian Bridge	2 – Sub-Par Condition	Requires Repairs in the next 3-6 months
	Boardwalk	3 – Fair Condition	Requires Repairs in the next 6-12 months
Bridge #3	Pedestrian Bridge	2 – Sub-Par Condition	Requires Repairs in the next 3-6 months
	Boardwalk	N/A	N/A
Bridge #4	Pedestrian Bridge	4 – Good Condition	No Repairs Identified
	Boardwalk	N/A	N/A
Bridge #5	Pedestrian Bridge	4 – Good Condition	No Repairs Identified
	Boardwalk	3 – Fair Condition	Requires Repairs in the next 6-12 months

Table 1 – Summary of Pedestrian Bridge & Boardwalk Observed Condition

BRIDGE #1

PEDESTRIAN BRIDGE OBSERVATIONS

The bridge was measured to span 37'-0", post to post. This bridge consists of 2x4 decking supported by (10) triple (3) 2x14 beams installed @16" o.c. max. The triple (3) 2x14 beams are sawn lumber staggered spliced @6'-0" o.c. with 2x14 blocking installed at splice locations. The (10) triple beams are supported at each end by a quadruple (4) 2x14 beam that spans 12'-6" and are in turn supported on each end by a Square HSS8x8x1/4 steel post. The posts are ground installed and supported by a concrete foundation that measured approximately 5'-0" in diameter. The bridge handrail consists of a 6x6 sawn lumber posts installed @6'-0" o.c. max. attached via straps and ties to the (2) most exterior triple beams on either side. The handrail itself consists of 2x4 railings @8" o.c. typ. with a 2x6 top & bottom rail and a 2x8 flatwise handrail cap with a horizontal 8" steel channel sandwiched on top of the handrail.

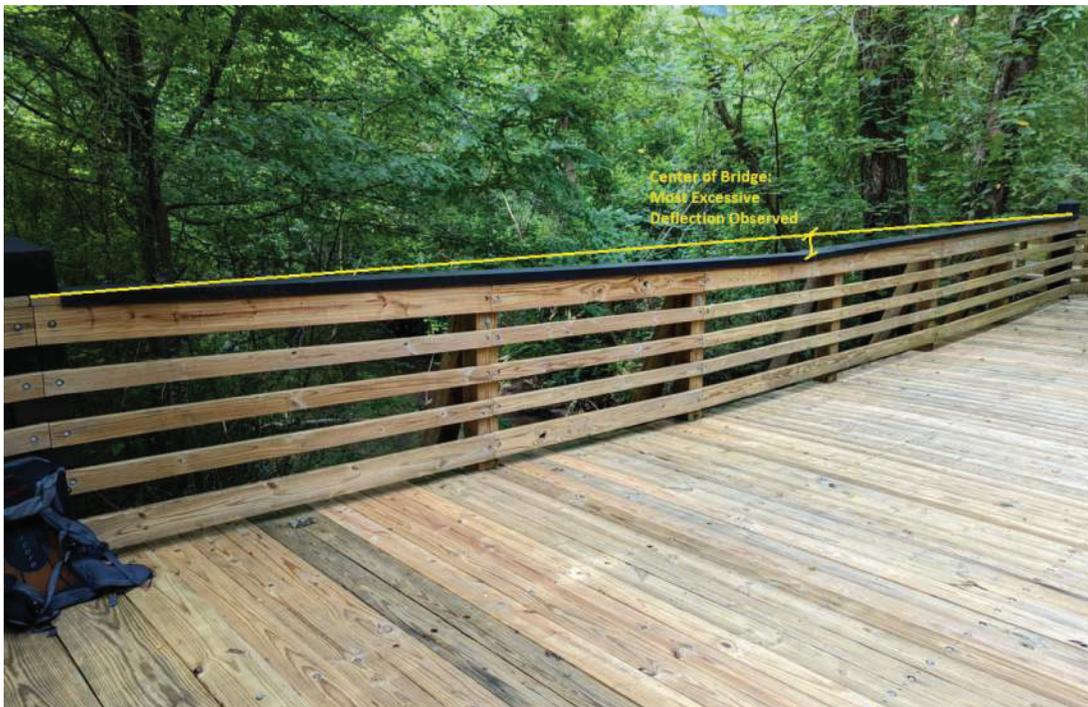
The bridge decking and handrail showed signs of recent improvement with new boards replaced in kind. The main supporting structure showed significant signs of excessive deflection and bending. The bridge was measured to have a slope of 2.8° and a measured excess deflection of approximately 7". The allowable deflection for a structure with this design criteria should be 1.28", the measured deflection of 7" under self-weight (dead load) only is unacceptable. We also observed additional live load deflection when the bridge was in use by just one pedestrian, this bridge is not functioning as designed.



Photo 1 – Bridge #1 Overall Photo (Above)



Photo 2 – Bridge #1 Overall Photo (Below)



**Photo 3 – Bridge #1 Handrail
(Excessive Deflection Visible – Highlighted with Yellow Line)**



Photo 4 – Bridge #1 Quadruple End Beam & Steel Post Connection

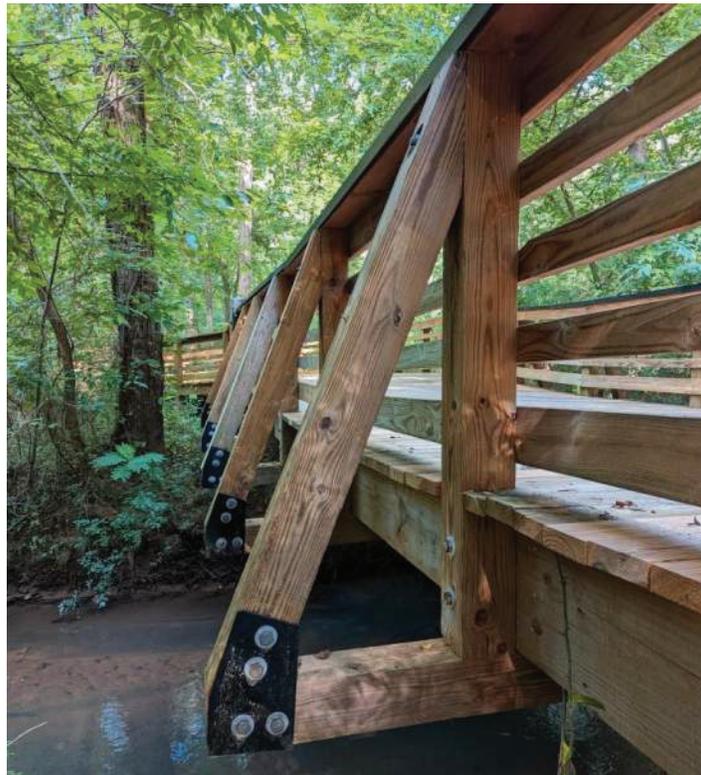


Photo 5 – Handrail Connection to Bridge Structure

BOARDWALK OBSERVATIONS

The boardwalk on either end of the pedestrian bridge was also observed. The boardwalk consists of 2x10 decking supported by double (2) 2x10's attached on either side of each post. There are (4) 6x6 sawn lumber posts equally spaced @6'-0" o.c. max. The posts are laterally braced by 2x6 x-bracing beginning and ending at the exterior posts of each side of the boardwalk. The handrail consists of the 6x6 sawn lumber that continues through the decking an additional 42" to top. The handrail itself consists of 2x4 railings @8" o.c. typ. with a 2x6 top & bottom rail and a 2x8 flatwise handrail cap. The foundation for the posts was not visible and unable to determine without invasive techniques.

The boardwalk was observed to be in good condition with no visible signs or deflection of fatigue. Adjacent to the bridge steel post a broken flat-wise handrail cap was observed, but no other conditions of the boardwalk were notable.



Photo 6 – Boardwalk Overall Photo (Above)



Photo 7 – Boardwalk Overall Photo (Below)



Photo 8 – Boardwalk Post to Beam Connection (Typical)



Photo 9 – Boardwalk Handrail Cap Broken (Split Lengthwise)

RECOMMENDATIONS – PEDESTRIAN BRIDGE

- Based on our observations, we assign the pedestrian bridge a 1 – Poor Condition, see below.
- Given the excessive deflection observed in the structure and the additional deflection observed during serviceability with minimal pedestrian use, we recommend this bridge be replaced. Intermediate support between the long span would be typical but given there is a protected stream running under the bridge, this improvement is not possible. We believe replacement would be the most cost-effective and sustainable long-term solution.
- We recommend this bridge is closed to the public OR temporary shoring similar to box cribbing be installed immediately beneath the mid-span of the bridge until the bridge can be replaced.

RECOMMENDATIONS - BOARDWALK

- Based on our observations, we assign this boardwalk a 4 – Good Condition, see below.
- We recommend any broken members are removed and replaced in kind with the same connections as necessary.
- Due to unknown factors and the possibility of falling debris and deterioration, we recommend this boardwalk is monitored annually for signs of fatigue or distress.

This is an excerpt of the full report provide and only includes the bridge relevant to this emergency request.

JJS

Work Order Signature Document

EZIQC Contract No.: GA-ST04-040820-BDG

New Work Order

Modify an Existing Work Order

Work Order Number: 109898.00

Work Order Date: 10/20/2022

Work Order Title: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement

Owner Name: DeKalb County – Recreation, Parks & Cult Contractor Name: Bayne Development Group, LLC

Contact: Paige Singer

Contact: Brett Williams

Phone: 404-687-3733

Phone: 706.850.5909

Work to be Performed

Work to be performed as per the Final Detailed Scope of Work Attached and as per the terms and conditions of EZIQC Contract No GA-ST04-040820-BDG.

Brief Work Order Description:

Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement

Time of Performance

See Schedule Section of the Detailed Scope of Work

Liquidated Damages

Will apply:

Will not apply:

Work Order Firm Fixed Price: \$123,479.38

Owner Purchase Order Number:

Approvals

Owner Date

Contractor Date

Detailed Scope of Work

To: Brett Williams
Bayne Development Group, LLC
1551 Jennings Mill Road
Watkinsville, Ga 30677

706.850.5909

From: Paige Singer
DeKalb County – Recreation, Parks & Cultural
Affairs
1300 Commerce Drive
Decatur, GA 30030
404-687-3733

Date Printed: October 20, 2022

Work Order Number: 109898.00

Work Order Title: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement

Brief Scope: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement

Preliminary

Revised

Final

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Please see attached detailed scope of work.

Contractor

Date

Owner

Date

Contractor's Price Proposal - Summary

Date: October 20, 2022
IQC Master Contract #: GA-ST04-040820-BDG
Work Order Number: 109898.00
Owner PO #:
Work Order Title: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement
Contractor: Bayne Development Group, LLC
Proposal Name: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement
Proposal Value: \$123,479.38

01 - General Requirements	\$28,326.75
05 - Metals	\$37,366.67
06 - Wood, Plastic, and Composites	\$49,483.84
26 - Electrical	\$8,302.12
Proposal Total	\$123,479.38

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: %

Contractor's Price Proposal - Detail

Date: October 20, 2022
IQC Master Contract #: GA-ST04-040820-BDG
Work Order Number: 109898.00
Owner PO #:
Work Order Title: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement
Contractor: Bayne Development Group, LLC
Proposal Name: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement
Proposal Value: \$123,479.38

Sect.	Item	Modifier.	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		

01 - General Requirements

1	01 22 16 00 0002	EA		Reimbursable Fees Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.	\$2,952.77																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>2,684.34</td> <td>x</td> <td>1.00</td> <td>x</td> <td>1.1000</td> <td>=</td> <td>2,952.77</td> </tr> </table>		Quantity		Unit Price		Factor	=	Total	Installation	2,684.34	x	1.00	x	1.1000	=	2,952.77	
	Quantity		Unit Price		Factor	=	Total														
Installation	2,684.34	x	1.00	x	1.1000	=	2,952.77														
				Bond Premium as required for projects that Exceed \$100k																	
2	01 22 16 00 0002	EA		Reimbursable Fees Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt shall be submitted with the Price Proposal.	\$16,106.01																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>16,106.01</td> <td>x</td> <td>1.00</td> <td>x</td> <td>1.0000</td> <td>=</td> <td>16,106.01</td> </tr> </table>		Quantity		Unit Price		Factor	=	Total	Installation	16,106.01	x	1.00	x	1.0000	=	16,106.01	
	Quantity		Unit Price		Factor	=	Total														
Installation	16,106.01	x	1.00	x	1.0000	=	16,106.01														
				15% Contingency for Materials Purchased after 1/2/23 at no fault of the contractor																	
3	01 22 23 00 0285	MO		1,500 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	\$12,169.36																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>1.00</td> <td>x</td> <td>10,813.36</td> <td>x</td> <td>1.1254</td> <td>=</td> <td>12,169.36</td> </tr> </table>		Quantity		Unit Price		Factor	=	Total	Installation	1.00	x	10,813.36	x	1.1254	=	12,169.36	
	Quantity		Unit Price		Factor	=	Total														
Installation	1.00	x	10,813.36	x	1.1254	=	12,169.36														
				Forklift rental for Project. Unload and stage materials. Walk steel to the bridge location. Set steel beams and hold in place for connections.																	
4	01 22 23 00 0285 0066	MOD		For Equipment Without Operator, Deduct	-\$9,545.91																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>1.00</td> <td>x</td> <td>-8,482.24</td> <td>x</td> <td>1.1254</td> <td>=</td> <td>-9,545.91</td> </tr> </table>		Quantity		Unit Price		Factor	=	Total	Installation	1.00	x	-8,482.24	x	1.1254	=	-9,545.91	
	Quantity		Unit Price		Factor	=	Total														
Installation	1.00	x	-8,482.24	x	1.1254	=	-9,545.91														
5	01 56 26 00 0005	LF		Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	\$499.68																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>100.00</td> <td>x</td> <td>4.44</td> <td>x</td> <td>1.1254</td> <td>=</td> <td>499.68</td> </tr> </table>		Quantity		Unit Price		Factor	=	Total	Installation	100.00	x	4.44	x	1.1254	=	499.68	
	Quantity		Unit Price		Factor	=	Total														
Installation	100.00	x	4.44	x	1.1254	=	499.68														
				Barricade Fencing																	
6	01 56 26 00 0033	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	\$461.57																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>2.00</td> <td>x</td> <td>205.07</td> <td>x</td> <td>1.1254</td> <td>=</td> <td>461.57</td> </tr> </table>		Quantity		Unit Price		Factor	=	Total	Installation	2.00	x	205.07	x	1.1254	=	461.57	
	Quantity		Unit Price		Factor	=	Total														
Installation	2.00	x	205.07	x	1.1254	=	461.57														
				Barricade fencing Gates Both Sides of Construction Zone																	
7	01 56 26 00 0033 0080	MOD		For Each LF Shade Cloth, Add	\$2,262.05																
				<table border="0"> <tr> <td></td> <td>Quantity</td> <td></td> <td>Unit Price</td> <td></td> <td>Factor</td> <td>=</td> <td>Total</td> </tr> <tr> <td>Installation</td> <td>100.00</td> <td>x</td> <td>20.10</td> <td>x</td> <td>1.1254</td> <td>=</td> <td>2,262.05</td> </tr> </table>		Quantity		Unit Price		Factor	=	Total	Installation	100.00	x	20.10	x	1.1254	=	2,262.05	
	Quantity		Unit Price		Factor	=	Total														
Installation	100.00	x	20.10	x	1.1254	=	2,262.05														

Contractor's Price Proposal - Detail Continues..

Work Order Number: 109898.00
Work Order Title: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement

Proposal Name: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement
Proposal Value: \$123,479.38

Sect.	Item	Modifier	UOM	Description	Line Total			
Labor	Equip.	Material	(Excluded if marked with an X)					
01 - General Requirements								
8	01 74 19 00 0014		EA	20 CY Dumpster (3 Ton) "Construction Debris" Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	\$3,038.58			
				Quantity Unit Price Factor Total				
	Installation	5.00	x	540.00	x	1.1254	=	3,038.58
	Dumpster							
9	01 74 19 00 0014	0003	MOD	For Each Ton Over Indicated Amount, Add	\$382.64			
				Quantity Unit Price Factor Total				
	Installation	4.00	x	85.00	x	1.1254	=	382.64

Subtotal for 01 - General Requirements **\$28,326.75**

05 - Metals								
10	05 05 19 00 0236		EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	\$302.17			
				Quantity Unit Price Factor Total				
	Installation	150.00	x	1.79	x	1.1254	=	302.17
	1/4" diameter powder actuated fastener for nailer to steel beam							
11	05 05 19 00 0236	0197	MOD	For >100, Deduct	-\$40.51			
				Quantity Unit Price Factor Total				
	Installation	150.00	x	-0.24	x	1.1254	=	-40.51
12	05 12 23 00 0123		TON	1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates	\$18,439.69			
				Quantity Unit Price Factor Total				
	Installation	1.50	x	10,923.34	x	1.1254	=	18,439.69
	Plates @ Beam/Columns 1/2"							
	Plate @ Beam/Girders 1/2"							
	Plate Connections Beam/Posts 3/8"							
13	05 12 23 00 0274		LF	W21 x 44 A992/A36 Structural Beam Or Girder	\$14,321.84			
				Quantity Unit Price Factor Total				
	Installation	100.00	x	127.26	x	1.1254	=	14,321.84
	Steel Beams at each side of new bridge x length. Includes Galvanized Steel because the specs call for Corten Steel, which requires a process similar to Galvanizing. The cost of Corten Steel is 1.5x galvanizing, so the quantity has been adjusted to account for the additional costs.							
14	05 12 23 00 0274	0003	MOD	For Hot Dip Galvanizing, Add	\$4,343.48			
				Quantity Unit Price Factor Total				
	Installation	150.00	x	25.73	x	1.1254	=	4,343.48

Subtotal for 05 - Metals **\$37,366.67**

06 - Wood, Plastic, and Composites								
15	06 05 23 00 0017		EA	18 Gauge Joist Hanger, For 2" x 6"-2" x 10" Joist, Also Acceptable For Beam Hangers	\$1,316.72			
				Quantity Unit Price Factor Total				
	Installation	250.00	x	4.68	x	1.1254	=	1,316.72
	Joist Hangers for Beam to Joist Connection. Specified Simpson JB212a is not listed in cost book, so quantity has been adjusted to capture the actual cost. Quantity needed is 125, quantity shown is 250 to capture additional costs of Simpson Hangers specified.							

Contractor's Price Proposal - Detail Continues..

Work Order Number: 109898.00
Work Order Title: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement

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Proposal Value: \$123,479.38

Sect.	Item	Modifier.	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		
06 - Wood, Plastic, and Composites					
16	06 05 23 00 0017	0106	MOD	For >250 To 500, Deduct	-360.13
				Installation	
				Quantity	Total
				250.00 x	-360.13
				Unit Price	
				-1.28 x	
				Factor	
				1.1254 =	
17	06 05 23 00 0042		EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	\$3,538.26
				Installation	
				Quantity	Total
				400.00 x	3,538.26
				Unit Price	
				7.86 x	
				Factor	
				1.1254 =	
18	06 05 23 00 0042	0106	MOD	For >250 To 500, Deduct	-\$1,020.18
				Installation	
				Quantity	Total
				350.00 x	-1,020.18
				Unit Price	
				-2.59 x	
				Factor	
				1.1254 =	
19	06 05 23 00 0136		EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	\$8,333.59
				Installation	
				Quantity	Total
				250.00 x	8,333.59
				Unit Price	
				29.62 x	
				Factor	
				1.1254 =	
				Posts to Steel Connections	
				Beam to Girder Connections	
				Beam to Column Connections	
20	06 05 23 00 0136	0106	MOD	For >250 To 500, Deduct	-\$2,076.36
				Installation	
				Quantity	Total
				300.00 x	-2,076.36
				Unit Price	
				-6.15 x	
				Factor	
				1.1254 =	
21	06 11 16 00 0018		LF	2" x 6" Pressure Treated Wood Floor Joist	\$25,483.56
				Installation	
				Quantity	Total
				6,800.00 x	21,121.51
				Unit Price	
				2.76 x	
				Factor	
				1.1254 =	
				Demolition	
				6,800.00 x	4,362.05
				Unit Price	
				0.57 x	
				Factor	
				1.1254 =	
				2x6 decking at bridge and boardwalk	
				2x6 nailer at deck/beam connection on bridge	
				2x6 handrails at bridge. Includes Demolition of existing 2x6 decking and 2x6 rails at bridge handrails.	
22	06 11 16 00 0021		LF	2" x 12" Pressure Treated Wood Floor Joist	\$6,032.14
				Installation	
				Quantity	Total
				800.00 x	5,212.85
				Unit Price	
				5.79 x	
				Factor	
				1.1254 =	
				Demolition	
				800.00 x	819.29
				Unit Price	
				0.91 x	
				Factor	
				1.1254 =	
				2x12 Material for Bridge Joists and Support blocking between beams.	
23	06 11 16 00 0027		LF	2" x 4" Pressure Treated Wood Purlin	\$850.80
				Installation	
				Quantity	Total
				400.00 x	850.80
				Unit Price	
				1.89 x	
				Factor	
				1.1254 =	
				2x4 Material for Handrails at Bridge	
24	06 11 16 00 0029		LF	2" x 8" Pressure Treated Wood Purlin	\$411.90
				Installation	
				Quantity	Total
				100.00 x	411.90
				Unit Price	
				3.66 x	
				Factor	
				1.1254 =	
				2x8 material for handrail cap at bridge.	
25	06 13 23 00 0090		LF	6" x 6", Pressure Treated, Heavy Timber Column	\$3,899.51
				Installation	
				Quantity	Total
				250.00 x	3,733.51
				Unit Price	
				13.27 x	
				Factor	
				1.1254 =	
				Demolition	
				250.00 x	166.00
				Unit Price	
				0.59 x	
				Factor	
				1.1254 =	
				6x6 material for New Handrail Posts at Bridge.	

Contractor's Price Proposal - Detail Continues..

Work Order Number: 109898.00
Work Order Title: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement

Proposal Name: Dekalb County - Arabia Mountain Pedestrian Bridge #1 Replacement
Proposal Value: \$123,479.38

Sect.	Item	Modifier	UOM	Description	Line Total
Labor	Equip.	Material	(Excluded if marked with an X)		

06 - Wood, Plastic, and Composites

26	06	18	13	00	0024	LF	5-1/2" x 14" Glue Laminated Straight Beam					\$3,074.03
							Quantity	Unit Price	Factor	=	Total	
						Installation	0.00	46.61	1.1254	x	0.00	
						Demolition	450.00	6.07	1.1254	x	3,074.03	
Demolition of existing wood beams at existing bridge. 14" Beams.												

Subtotal for 06 - Wood, Plastic, and Composites **\$49,483.84**

26 - Electrical

27	26	05	29	00	0346	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor					\$12,004.69
							Quantity	Unit Price	Factor	=	Total	
						Installation	3,756.00	2.84	1.1254	x	12,004.69	
1/4" Lag Bolts for connection of 2x6 decking to nailer at steel beams and to 2x12 joists.												
28	26	05	29	00	0346	0123	MOD	For >500, Deduct				-\$3,702.57
							Quantity	Unit Price	Factor	=	Total	
						Installation	3,500.00	-0.94	1.1254	x	-3,702.57	

Subtotal for 26 - Electrical **\$8,302.12**

Proposal Total **\$123,479.38**

This total represents the correct total for the proposal. Any discrepancy between line totals, sub-totals and the proposal total is due to rounding.

The Percentage of NPP on this Proposal: %

Client - DeKalb County – Recreation, Parks & Cultural Affairs

Detailed Scope of Work

Print Date: October 20, 2022
Work Order Number: 109898.00
Work Order Title: DeKalb County - Arabia Mountain Pedestrian Bridge #1 Replacement
Contractor: GA-ST04-040820-BDG - Bayne Development Group, LLC
Brief Scope: DeKalb County - Arabia Mountain Pedestrian Bridge #1 Replacement

To: Brett Williams
Bayne Development Group, LLC
1551 Jennings Mill Road
Watkinsville, Ga 30677

706.850.5909

From: Paige Singer
DeKalb County – Recreation, Parks & Cultural
Affairs
1300 Commerce Drive
Decatur, GA 30030
404-687-3733

The following items detail the scope of work as discussed at the site. All requirements necessary to accomplish the items set forth below shall be considered part of this scope of work.

Detailed Scope:

Please see attached detailed scope of work.

Owner

Date

Contractor

Date

Scope of Work for Arabia Mountain Bridge #1 per Design Dated 8/22/22 provided by Foresite Group

DEMO SCOPE

Includes demo at both Bridge #1 and the boardwalk at both sides of Bridge #1. Bridge scope consists of demolition of all wood Decking, Wood Structural Supports, and Wood Railing. Boardwalk scope consists of demolition of wood decking only.

- Demolition 2x6 Walk Boards at both Bridge and Boardwalk
- Demolition 6x6 Vertical Handrail Posts at Bridge Only
- Demolition 2x6 Horizontal Railings at Bridge Only
- Demolition 2x4 Horizontal Railings at Bridge Only
- Demolition 2x8 Horizontal Railing Cap at Bridge Only
- Demolition 2x14 Wood Beams at Bridge Only
- (4) Existing Steel Columns to remain. All other bridge components to be demolished.

INSTALL SCOPE

Includes new Structural Steel Beams, Wood Beams, Wood Decking, Wood Railing Posts, Wood Railings at Bridge #1. Includes new Wood Decking at the Boardwalk that leads up to both sides of Bridge #1.

- Installation (2) W21x44 Steel Beams at both sides of Bridge between the existing Steel Columns.
- Installation ½" Steel Plates at each Railing Post Location
- Installation Pressure Treated 2x12 Beams and support members at Bridge
- Installation Pressure Treated 2x6 Nailer at Steel Beams to attach wood walk boards.
- Installation Pressure Treated 2x6 Walk Boards at Both Bridge and Boardwalk
- Installation Pressure Treated 6x6 Vertical Handrail Posts at Bridge Only
- Installation Pressure Treated 2x6 Horizontal Railings at Bridge Only
- Installation Pressure Treated 2x4 Horizontal Railings at Bridge Only
- Installation Pressure Treated 2x8 Horizontal Railing Cap at Bridge Only

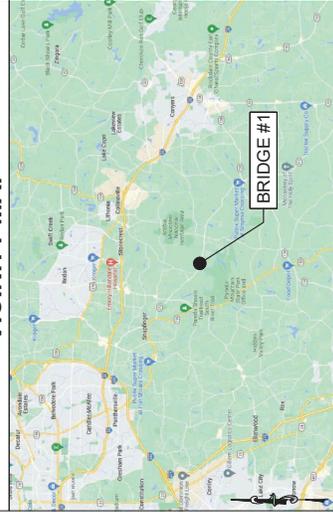
MISC SCOPE NOTES

- Steel Plates utilized at all steel to column connections.
- Simpson Hangers utilized at all wood beam to wood beam connections.
- All steel plate material to be ½" material.
- All bolts to be ¾" Lag Bolts.
- Steel plates welded to Steel Beams per Detail on 2/S-3 of Design Documents.
- Galvanized Lag Screws at all 2x6 to Lumber Connections.
- All Demolition Debris Hauled off and Disposed of by GC
- Forklift to be utilized to set new steel beams in place and hold while bolting and welding
- Dumpster and Portable Toilet provided by GC for use by construction team

LOCATION MAP



VICINITY MAP



PREPARED FOR:



PROJECT DESCRIPTION:
**PEDESTRIAN BRIDGE
 REPLACEMENT
 BRIDGE #1**

SITE NAME:
**ARABIA MOUNTAIN
 BRIDGE #1**

PROJECT INFORMATION

SITE ADDRESS:
 5980 BROWNS MILL ROAD
 STONECREST, GA 30038

LATITUDE:
 33.649545° (NAD 83)

LONGITUDE:
 -84.149578° (NAD 83)

PARCEL ID:
 16 080 01 001

JURISDICTION:
 DEKALB COUNTY

PROPERTY OWNER:
 DEKALB COUNTY

APPLICANT:
 DEKALB COUNTY RECREATION,
 PARKS AND CULTURAL AFFAIRS
 5600 CHATELAIN STREET
 SCOTTSDALE, GA 30079

ENGINEER:
 FORESITE GROUP, LLC SUITE 100
 5740 DAVINCI CH, PEACHTREE CORNERS, GA 30092

DESIGN DATA:
 INTERNATIONAL BUILDING CODE,
 2018 EDITION WITH 2020 & 2022
 GEORGIA AMENDMENTS

DESIGN CODE:
 ASCE: LATEST EDITION
 AWS: D 1.1 STRUCTURAL
 WOOD: T 1.1 LATEST EDITION
 NDS: WOOD CODE

BASIC WIND SPEED:
 108 MPH (3 SECOND GUST)

EXPOSURE CATEGORY:
 STRUCTURAL RISK, CAT: C

SHEET INDEX

SHEET	DESCRIPTION	REV
T-1	TITLE SHEET	A
T-2	CONSTRUCTION NOTES	A
S-1	DEMO & PROPOSED BRIDGE FRAMING PLANS	A
S-2	FRAMING & CONNECTION DETAILS	A
S-3	FRAMING & CONNECTION DETAILS	A



FORESITE
 group

ForeSite Group, LLC
 5740 Davinci Ct.
 Suite 100
 Peachtree Corners, GA 30092 | 770.361.1944
 www.fs-gr.com

SEAL:
**DRAFT
 FOR REVIEW**

PROJECT:
**ARABIA MOUNTAIN
 BRIDGE #1**

LOCATION: AT:
 5980 BROWNS MILL ROAD
 STONECREST, GA 30038

APPROVALS

CARRIER _____

LANDLORD _____

LEASING _____

CONSTRUCTION _____

REVISIONS _____ DATE _____

ISSUED FOR: REVIEW

PROJECT MANAGER: DEJ

DRAWING BY: DEJ

DATE: 08/22/22

TITLE:

TITLE SHEET

SHEET NUMBER: T-1

JOB/FILE NUMBER: 1417.012



SEAL:

**DRAFT
FOR REVIEW**

PROJECT:
**ARABIA MOUNTAIN
BRIDGE #1**

LOCATION: AT:
5680 STONKERS RD
STONKERS, GA 30088

CARRIER	_____
LANDLORD	_____
LEASING	_____
CONSTRUCTION	_____
REVISIONS	_____
DATE	_____

ISSUED FOR:	REVIEW
PROJECT MANAGER:	DEJ
DRAWING BY:	DEJ
DATE:	08/22/22
TITLE:	_____

CONSTRUCTION NOTES

SHEET NUMBER: T-2

JOB/FILE NUMBER: 1417.012

WOOD NOTES:

- TREATED WOOD PRODUCTS
 - ALL EXPOSED EXTERIOR LUMBER SHALL RECEIVE PRESERVATIVE PRESSURE TREATMENT FOR PROTECTION FROM DECAY AND TERMITES IN ACCORDANCE WITH CCA TYPE 3 PRESERVATIVE IN ACCORDANCE WITH AMPA STANDARDS P5 AND C1 AS WELL AS THE FOLLOWING STANDARDS:
 - LUMBER C2
 - FENCE POSTS C5
 - PLYWOOD C9
 - BUILDING POLES & POSTS C23
- THE MINIMUM PRESERVATIVE RETENTION SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
 - ABOVE GROUND APPLICATIONS 0.25 PCF
 - WOOD FOUNDATIONS OR STRUCTURAL POLES 0.60 PCF
 - SALT WATER IMMERSION 2.50 PCF
- ALL BEKING AND RAJINS SHALL ALSO BE PRESURE TREATED WITH A CCA COMPATIBLE WATER REPLENT SO THAT TREATED WAKERS SWELL NOT MORE THAN 1% AFTER FIVE MINUTES OF SUBMERSION, WHEN TESTED IN ACCORDANCE WITH AMPA'S STANDARD TEST METHOD, E13-92
- TREATED MATERIAL SHALL BE DRIED AFTER TREATMENT TO A MOISTURE CONTENT OF NOT MORE THAN 19% FOR LUMBER AND 15% FOR PLYWOOD.
 - ALL FIELD CUTS SHALL BE FIELD TREATED IN ACCORDANCE WITH AMPA STANDARD M4.
- SAWN LUMBER SHALL BE PROVIDED IN ACCORDANCE WITH THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, 1991 EDITION, BY THE AMERICAN FOREST AND PAPER ASSOCIATION.
 - LUMBER GRADE AND SPECIES SHALL CONFORM WITH THE FOLLOWING:
 - SOUTHERN PINE OR DOUGLAS FIR - #2 GRADE OR BETTER WITH MAXIMUM MOISTURE CONTENT OF 15% (UNO)
- CONNECTORS AND FASTENERS FOR PRESERVATIVE AND FIRE RETARDANT WOOD SHALL BE HOT DIPPED ZINC COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER INCLUDING BY NOT LIMITED TO ANCHOR BOLTS, POWDER ACTUATED FASTENERS, NAILS, SCREWS, BOLTS, AND METAL FRAMING HARDWARE.
 - FASTENING SCHEDULE SHALL BE IN ACCORDANCE WITH TABLE 2304.10.1 IN THE INTERNATIONAL BUILDING CODE, 2018 EDITION, UNLESS OTHERWISE SPECIFIED.

CODE/DESIGN CRITERIA

- STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE FOLLOWING:
 - INTERNATIONAL BUILDING CODE, 2018 EDITION, WITH GEORGIA AMENDMENTS
- GRAVITY LOADS
 - DEAD LOAD 20 PSF
 - LIVE LOAD 100 PSF
- UNIFORM ROOF LOADS:
 - DEAD LOAD 108 MPH
 - IMPORTANCE FACTOR I 0
 - INTERNAL PRESSURE COEFFICIENT ±0.18
 - BASE WIND PRESSURE 18.5 PSF
- WIND LOADS:
 - BASIC DESIGN WIND SPEED 108 MPH
 - RISK CATEGORY II
 - IMPORTANCE FACTOR I 0
 - INTERNAL PRESSURE COEFFICIENT ±0.18
 - BASE WIND PRESSURE 18.5 PSF
- EARTHQUAKE LOADS:
 - SEISMIC IMPORTANCE FACTOR, I_e 1.0
 - RISK CATEGORY II
 - SECOND PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S₁ 0.175
 - SHORT PERIOD MAPPED SPECTRAL RESPONSE COEFFICIENT, S_s 0.083
 - SITE CLASS D
 - DESIGN PERIOD 0.1
 - OVER STRENGTH FACTOR, Ω 2.5
 - DESIGN SPECTRAL RESPONSE COEFFICIENT, S_{ps} 0.187
 - DESIGN SPECTRAL RESPONSE COEFFICIENT, S_{ps} 0.133
 - ANALYSIS PROCEDURE 2.5
 - SEISMIC RESPONSE COEFFICIENT, R 2.5
 - RESPONSE MODIFICATION FACTOR, R 2.5
 - ANALYSIS PROCEDURE

GENERAL

- NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF CONSULTANTS, AGENTS, OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS. NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE DESIGN PROFESSIONAL OF RECORD OR ANY OF THE DESIGN PROFESSIONAL OF RECORD'S CONSULTANTS, AGENTS, OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
- CONTRACT DOCUMENTS INCLUDE, BUT ARE NOT LIMITED TO, THE STRUCTURAL CONSTRUCTION SPECIFICATIONS, BUT NOT THE SHOP DRAWINGS, DIMENSIONS, VENDOR DRAWINGS, OR MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR.
- REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, AGENCY, OR AGENCY SHALL BE TO THE LATEST EDITION UNLESS OTHERWISE STATED AT THE DATE OF TAKING BIDS, SPECIFICATION OR TECHNICAL SPECIFICATION ADOPTED AT THE DATE OF TAKING BIDS, UNLESS SPECIFICALLY STATED OTHERWISE.
- CONTRACT DOCUMENTS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE CODE OR ANY OTHER STANDARD SPECIFICATION, MANUAL OR CODE, THE STRICTEST REQUIREMENT SHALL GOVERN.
- MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE REFERENCED BUILDING CODE.
- CONTRACTOR SHALL VERIFY EXISTING DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK. DESIGN PROFESSIONAL SHALL BE NOTIFIED OF ANY DISCREPANCY.
- CONTRACTOR SHALL VERIFY THE STRUCTURALLY SUPPORTED MECHANICAL EQUIPMENT WEIGHTS, OPENING SIZES AND LOCATIONS IDENTIFIED ON THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
- CONTRACTOR HAS SOLE RESPONSIBILITY FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.
- THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED FORM. TEMPORARY SUPPORTS REQUIRED FOR STABILITY DURING ALL INTERMEDIATE STAGES OF CONSTRUCTION SHALL BE DESIGNED, FURNISHED, AND INSTALLED BY THE CONTRACTOR.
- CONTRACTOR HAS SOLE RESPONSIBILITY TO COMPLY WITH ALL OSHA REGULATIONS.
- ELECTRONIC DRAWING FILES WILL NOT BE PROVIDED TO THE CONTRACTOR. REPRODUCTION OF STRUCTURAL DRAWINGS FOR SHOP DRAWINGS IS NOT PERMITTED.
- REVIEW OF SUBMITTALS OR SHOP DRAWINGS BY THE DESIGN PROFESSIONAL DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO REVIEW AND CHECK ALL SUBMITTALS AND SHOP DRAWINGS BEFORE SUBMITTING TO THE DESIGN PROFESSIONAL. CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE SUBMITTALS AND SHOP DRAWINGS. CONTRACTOR SHALL PROVIDE MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS.
- DETAILS LABELED "TYPICAL" ON THE STRUCTURAL DRAWINGS APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THE TYPICAL DETAILS UNLESS THOSE LOCATIONS ARE SPECIFICALLY DETAILED OTHERWISE.



SEAL:

**DRAFT
FOR REVIEW**

PROJECT:
**ARABIA MOUNTAIN
BRIDGE #1**

LOCATED AT:
5800 STONKERSBERRY ROAD
STONKERSBERRY, GA 30088

CARRIER	_____
LANDLORD	_____
LEASING	_____
CONSTRUCTION	_____
REVISIONS	_____
DATE	_____

ISSUED FOR:	REVIEW
PROJECT MANAGER:	DEJ
DRAWING BY:	DEJ
DATE:	08/22/22
TITLE:	_____

CONSTRUCTION NOTES
SHEET NUMBER: T-3
JOB/FILE NUMBER: 1417.012

BOLT TIGHTENING PROCEDURE NOTES:

- STRUCTURAL CONNECTIONS TO BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RSCC-2004 (SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS).
- ALL BOLTS SHALL BE 3/4" DIAMETER MINIMUM UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- ALL BOLTED CONNECTIONS TO BE INSTALLED TO A SNUG-TIGHTENED CONDITION IN ACCORDANCE WITH AISC 13 PART 16.2. SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A 490 BOLTS; SECTION 8.1, UNLESS OTHERWISE SPECIFIED. WHEN "X" IS USED TO IDENTIFY SNUG TIGHTENED CONNECTIONS, THE CONTRACTOR SHALL USE WASHERS TO OBTAIN PROPER SNUG TIGHT INSTALLATION. ALL NUTS SHALL BE HEAVY HEX UNLESS OTHERWISE NOTED.
- SPRUE BOLTS SUBJECT TO DIRECT TENSION SHALL BE INSTALLED AND TIGHTENED AS PER SECTION 8.2 OF THE SPECIFICATION FOR STRUCTURAL JOINTS USING A325 OR A490 BOLTS. LOCATED IN THE AISC MANUAL OF STEEL CONSTRUCTION. THE INSTALLATION PROCEDURE IS PARAPHRASED AS FOLLOWS:
FASTENERS SHALL BE INSTALLED IN PROPERLY ALIGNED HOLES AND TIGHTENED BY ONE OF THE METHODS DESCRIBED IN SUBSECTION 8.2.1 THROUGH 8.2.4.

8.2.1 TURN-OF-NUT PRETENSIONING
BOLTS SHALL BE INSTALLED IN ALL HOLES OF THE CONNECTION AND BROUGHT TO A SNUG-TIGHTENED CONDITION BY THE TURNING OF THE NUTS. THE TURNING SHALL BE DONE IN A SINGLE OPERATION. SNUG TIGHTENING OF THE CONNECTION IS FULLY COMPLETED FOLLOWING THIS INITIAL OPERATION. ALL BOLTS IN THE CONNECTION SHALL BE TIGHTENED FURTHER BY THE APPLICABLE AMOUNT OF ROTATION SPECIFIED ABOVE. DURING THE TIGHTENING OPERATION THERE SHALL BE NO ROTATION OF THE PART NOT TURNED BY THE WRENCH. TIGHTENING SHALL PROGRESS SYSTEMATICALLY.

5. ALL OTHER BOLTED CONNECTIONS SHALL BE BROUGHT TO A SNUG TIGHT CONDITION AS DEFINED IN SECTION 8.1 OF THE SPECIFICATION. ALL BOLT HOLES SHALL BE DRILLED TO THE FULL SIZE OF THE BOLT. ALL BOLT HOLES WITH WASHERS POSITIONED AS REQUIRED AND NUTS THREADED TO COMPLETE THE ASSEMBLY. COMPACTING THE JOINT TO THE SNUG-TIGHT CONDITION SHALL PROGRESS SYSTEMATICALLY FROM THE MOST RIGID PART OF THE JOINT TO THE SNUG-TIGHTENED CONDITION. THE TIGHTNESS THAT IS OBTAINED AT THE JOINT SHALL BE MAINTAINED THROUGHOUT THE FINISHING THAT AN IRONWORKER USING AN ORDINARY SPUD WRENCH TO BRING THE CONNECTED PILES INTO FIRM CONTACT.

MISC. NOTES:

- CONTRACTOR FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION

WELDING NOTES:

- ALL WELDING TO BE PERFORMED BY AWS CERTIFIED WELDERS AND CONDUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AWS WELDING CODE D1.1.
- 25% OF WELDS SHALL BE INSPECTED VISUALLY, IF DIRECTED BY ENGINEER OF RECORD. (100% IF RECTIFIABLE DEFECTS ARE FOUND) TO MEET THE ACCEPTANCE CRITERIA OF AWS D1.1. REPAIR ALL WELDS AS NECESSARY.
- INSPECTION SHALL BE PERFORMED BY AN AWS CERTIFIED WELD INSPECTOR.
- ALL ELECTRODES TO BE LOW HYDROGEN, MATCHING FILLER METAL, PER AWS D1.1, UNLESS NOTED OTHERWISE.
- PRIOR TO FIELD WELDING GALVANIZED MATERIAL, CONTRACTOR SHALL GRIND OFF GALVANIZING 1/2" BEYOND ALL FIELD SURFACES. AFTER WELD AND WELD INSPECTION IS COMPLETE, REPAIR ALL GROUND AND WELDED SURFACES WITH ZRC GALVALITE COLD GALVANIZING COMPOUND PER ASTM A780 AND MANUFACTURERS RECOMMENDATIONS.

SITE WORK GENERAL NOTES:

- CONTRACTOR SHALL PROVIDE SAFETY TRAINING FOR THE WORKING CREW. THIS WILL INCLUDE BUT NOT BE LIMITED TO A) FALL PROTECTION B) CONFINED SPACE C) ELECTRICAL SAFETY D) TRENCHING & EXCAVATION.
- ALL SITE WORK SHALL BE AS INDICATED ON THE DRAWINGS AND IN ACCORDANCE WITH ALL APPLICABLE CODES, REGULATIONS, AND ORDINANCES.
- IF NECESSARY, RUBBISH, STUMPS, DEBRIS, STICKS, STONES, AND OTHER REFUSE SHALL BE REMOVED FROM THE SITE AND DISPOSED OF LEGALLY.
- THE CONTRACTOR SHALL PROVIDE SITE SIGNAGE IN ACCORDANCE WITH THE TECHNICAL SPECIFICATIONS FOR SITE SIGNAGE.
- CONTRACTOR SHALL MINIMIZE DISTURBANCE TO EXISTING SITE DURING CONSTRUCTION. THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PREVENT EROSION AND SEDIMENT CONTROL CONFORMANCE WITH THE LOCAL GUIDELINES FOR EROSION AND SEDIMENT CONTROL.

SUBSTITUTES AND/OR EQUALS:

- IF CONTRACTOR WISHES TO FURNISH OR USE A SUBSTITUTE ITEM OF MATERIAL OR EQUIPMENT, CONTRACTOR SHALL FIRST MAKE WRITTEN APPLICATION TO ENGINEER OF RECORD FOR ACCEPTANCE THEREOF. CERTIFYING THAT THE PROPOSED SUBSTITUTE WILL PERFORM ADEQUATELY THE FUNCTIONS AND ACHIEVE THE RESULTS CALLED FOR SUITED TO THE SAME USE. SUCH SUBSTITUTIONS SHALL BE IDENTIFIED IN THE PROPOSED SUBSTITUTE FROM THAT SPECIFIED WILL BE IDENTIFIED IN THE APPLICATION AND AVAILABLE MAINTENANCE, REPAIR AND REPLACEMENT SERVICE WILL BE INDICATED. THE APPLICATION WILL ALSO CONTAIN AN ITEMIZED ESTIMATE OF ALL COSTS OR SAVINGS THAT WILL BE REALIZED BY THE PROPOSED SUBSTITUTE. THE CONTRACTOR SHALL SUBMIT THE PROPOSED SUBSTITUTE INCLUDING COSTS OF DESIGN AND CLAIMS OF OTHER CONTRACTORS AFFECTED BY THE RESULTING CHANGE. ALL OF WHICH WILL BE CONSIDERED BY ENGINEER OF RECORD IN EVALUATION OF THE PROPOSED SUBSTITUTE. ENGINEER OF RECORD MAY REQUIRE CONTRACTOR TO FURNISH ADDITIONAL DATA ABOUT THE PROPOSED SUBSTITUTE.

STRUCTURAL STEEL NOTES:

- STRUCTURAL STEEL SHALL CONFORM TO THE LATEST EDITION OF THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".
- STRUCTURAL STEEL SHALL BE AS SPECIFIED BELOW, UNLESS OTHERWISE NOTED:
A. WIDE FLANGE : ASTM A992 WITH MIN. YIELD STRENGTH OF 50 KSI.
B. CHANNEL, ANGLE AND PLATE : ASTM A36 WITH MIN. YIELD STRENGTH OF 50 KSI.
C. TUBES & ROUND HSS : ASTM A500 GRADE GR. B WITH MIN. YIELD STRENGTH OF 50 KSI.
D. PIPE : ASTM A53 GRADE GR. B WITH MIN. YIELD STRENGTH OF 35 KSI.
- THE FRAME SHALL BE CARRIED UP TRUE AND PLUMB AND TEMPORARY BRACING SHALL BE PROVIDED TO MAINTAIN THE STRUCTURE TRUE AND PLUMB THROUGHOUT THE CONSTRUCTION AND OPERATION OF SAME. SUCH BRACING SHALL BE THE RESPONSIBILITY OF THE STEEL CONTRACTOR AND SHALL BE LEFT IN PLACE AS LONG AS REQUIRED FOR SAFETY.
- ALL BOLTS SHALL CONFORM TO THE FOLLOWING ASTM. DESIGNATION, LATEST EDITION:
HIGH STRENGTH BOLTS A325-N, U.O.N.
- ALL BOLTS AND U-BOLTS SHALL BE 3/4" MINIMUM UNLESS OTHERWISE SHOWN ON THE DRAWINGS.

- ALL SHOP OR FIELD CONNECTIONS SHALL BE HIGH STRENGTH BOLTED OR WELDED. BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RSCC-2000 (SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS). ALL STRUCTURAL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D1.1, STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY.
- PROVISIONS SHALL BE MADE FOR CONNECTIONS OF OTHER TRADES INCLUDING CUTTING AND PUNCHING OF STRUCTURAL MEMBERS, WHERE REQUIRED BY THE DRAWING OR FOR WHICH INFORMATION IS FURNISHED PRIOR TO FABRICATION.
- OVERSIZED OR SLOTTED HOLES SHALL NOT BE USED FOR ANY CONNECTIONS UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS OR APPROVED IN WRITING BY THE ENGINEER.
- THE USE OF A CUTTING TORCH IN THE FIELD WILL NOT BE PERMITTED.
- WELDING ELECTRODES SHALL BE CONFORM TO E70XX ELECTRODES, AND SHALL HAVE CHARPY-T NOTCH REQUIREMENT.
- PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.
- STRUCTURAL STEEL SYSTEMS DESIGNED WITH WIND LOAD RESISTANCE. SEISMIC RESISTANCE IS NOT GOVERNED.
- ALL STEEL SHALL BE CORTEN STEEL OR OTHERWISE PROTECTED AGAINST CORROSION AND EXPOSURE EFFECTS: FINISH TO MATCH EXISTING, COORDINATE WITH DETAILS COMPANY.

- CONTRACTOR WISHES TO FURNISH OR USE A SUBSTITUTE ITEM OF MATERIAL OR EQUIPMENT, CONTRACTOR SHALL FIRST MAKE WRITTEN APPLICATION TO ENGINEER OF RECORD FOR ACCEPTANCE THEREOF. CERTIFYING THAT THE PROPOSED SUBSTITUTE WILL PERFORM ADEQUATELY THE FUNCTIONS AND ACHIEVE THE RESULTS CALLED FOR SUITED TO THE SAME USE. SUCH SUBSTITUTIONS SHALL BE IDENTIFIED IN THE PROPOSED SUBSTITUTE FROM THAT SPECIFIED WILL BE IDENTIFIED IN THE APPLICATION AND AVAILABLE MAINTENANCE, REPAIR AND REPLACEMENT SERVICE WILL BE INDICATED. THE APPLICATION WILL ALSO CONTAIN AN ITEMIZED ESTIMATE OF ALL COSTS OR SAVINGS THAT WILL BE REALIZED BY THE PROPOSED SUBSTITUTE. THE CONTRACTOR SHALL SUBMIT THE PROPOSED SUBSTITUTE INCLUDING COSTS OF DESIGN AND CLAIMS OF OTHER CONTRACTORS AFFECTED BY THE RESULTING CHANGE. ALL OF WHICH WILL BE CONSIDERED BY ENGINEER OF RECORD IN EVALUATION OF THE PROPOSED SUBSTITUTE. ENGINEER OF RECORD MAY REQUIRE CONTRACTOR TO FURNISH ADDITIONAL DATA ABOUT THE PROPOSED SUBSTITUTE.



FORESITE
group

ForeSite Group, LLC
1100 Peachtree Street, N.E.
Atlanta, GA 30309
www.foresitegroup.com
404.525.1399

SEAL:

**DRAFT
FOR REVIEW**

PROJECT:

**ARABIA MOUNTAIN
BRIDGE #1**

LOCATED AT:
5680 STONEMASTER, GA 30038

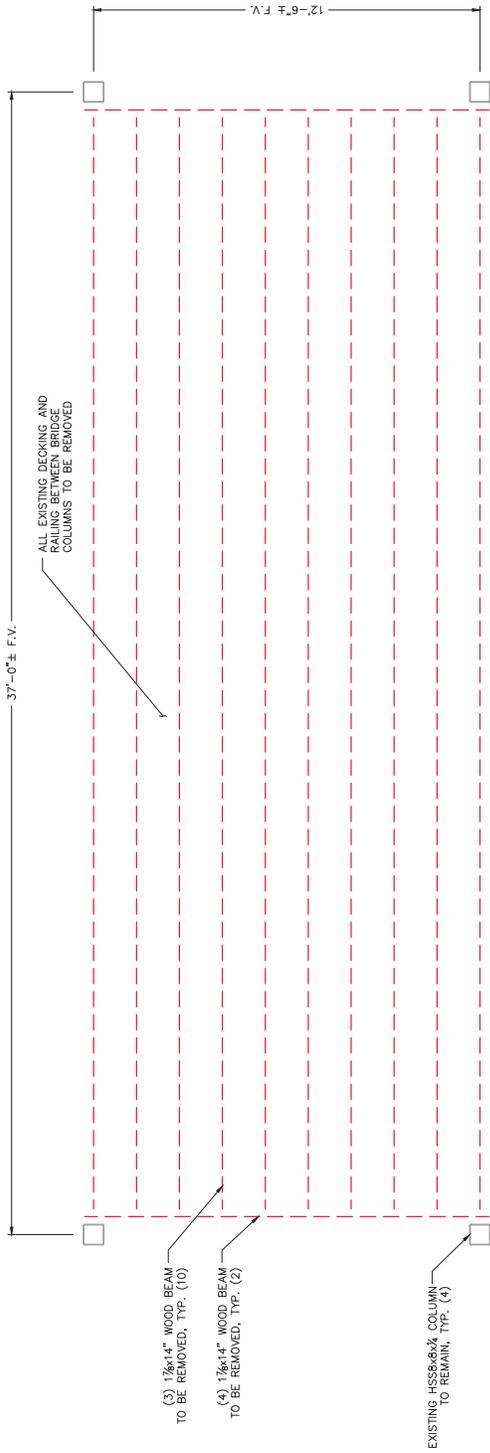
APPROVALS

CARRIER	DATE
LANDLORD	
LEASING	
CONSTRUCTION	
REVISIONS	
ISSUED FOR:	REVIEW
PROJECT MANAGER:	DEJ
DRAWING BY:	DEJ
DATE:	08/22/22
TITLE:	

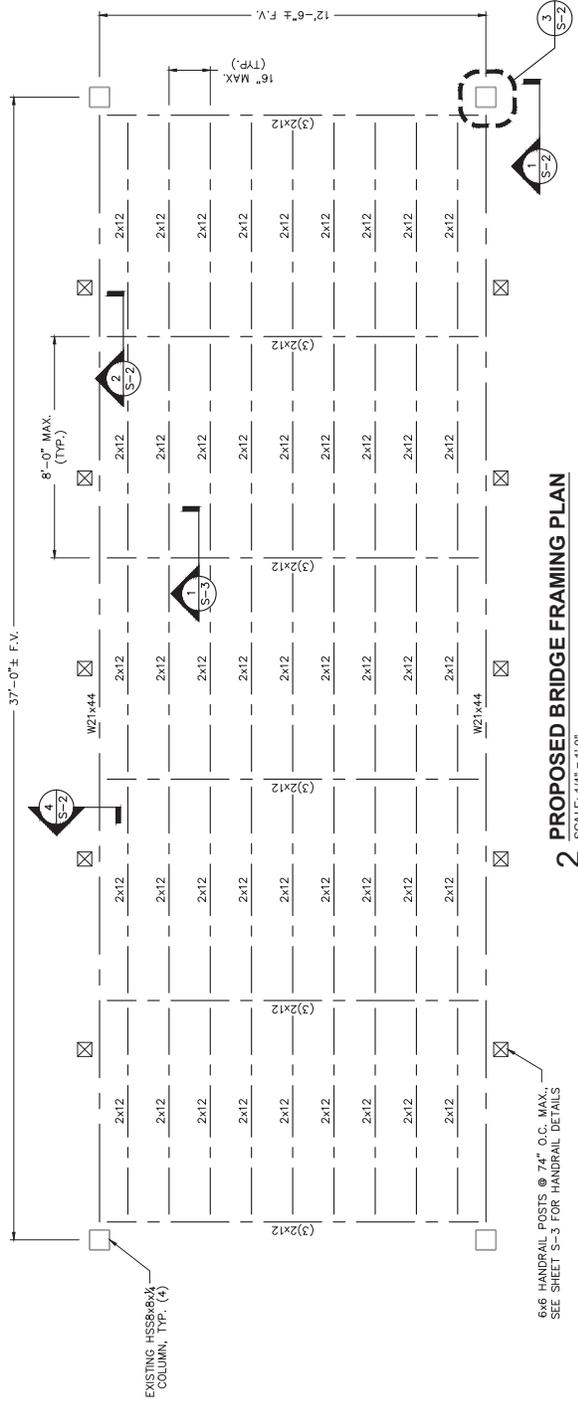
DEMO & PROPOSED
BRIDGE FRAMING PLANS

SHEET NUMBER: S-1

JOB/FILE NUMBER: 1417.012



1 DEMO PLAN
SCALE: 1/4" = 1'-0"



2 PROPOSED BRIDGE FRAMING PLAN
SCALE: 1/4" = 1'-0"



FORESITE
group

ForeSite Group, LLC
www.fs-gc.net
1770 S. 28th Street, Suite 100
Marietta, GA 30067 | 770.361.1944

SEAL:

**DRAFT
FOR REVIEW**

PROJECT:
**ARABIA MOUNTAIN
BRIDGE #1**

LOCATION: AT: ROAD
5680 STONEMASTER, GA 30038

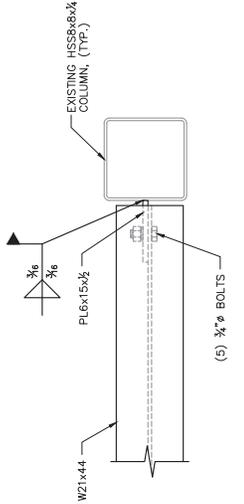
APPROVALS	
CARRIER	
LANDLORD	
LEASING	
CONSTRUCTION	
REVISIONS	
DATE	

ISSUED FOR:	REVIEW
PROJECT MANAGER:	DEJ
DRAWING BY:	DEJ
DATE:	08/22/22
TITLE:	

FRAMING &
CONNECTION DETAILS

SHEET NUMBER: S-2
JOB/FILE NUMBER: 1417.012

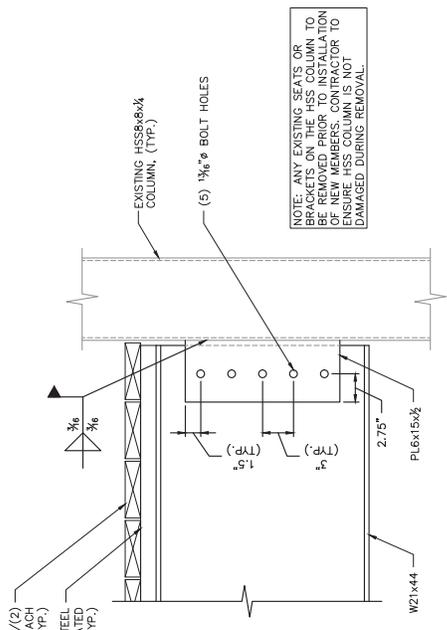
NOTE: ANY EXISTING SEATS OR BRACKETS ON THE HSS COLUMN TO BE REMOVED PRIOR TO INSTALLATION OF NEW MEMBERS. CONTRACTOR TO ENSURE HSS COLUMN IS NOT DAMAGED DURING REMOVAL.



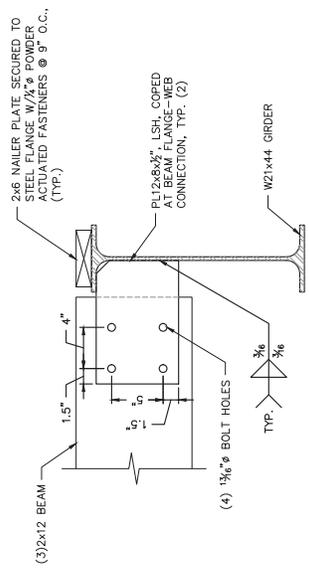
1 BEAM-COLUMN CONNECTION
SCALE: 1" = 1'-0"

2x6 DECK BOARDS, SECURED W/ (2) 3/8" GALVANIZED LAG SCREWS EACH JOIST LOCATION (±16" O.C.), (TYP.)

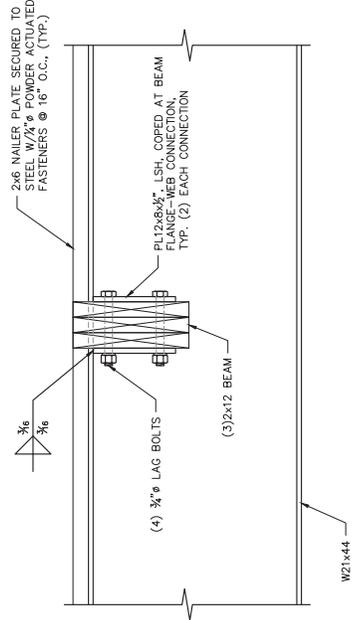
2x6 NAILER PLATE SECURED TO STEEL FLANGE W/ 1/4" POWDER ACTUATED FASTENERS @ 9" O.C., (TYP.)



2 BEAM-COLUMN CONNECTION
SCALE: 1" = 1'-0"



3 BEAM-GIRDER CONNECTION
SCALE: 1" = 1'-0"



4 BEAM-GIRDER CONNECTION
SCALE: 1" = 1'-0"



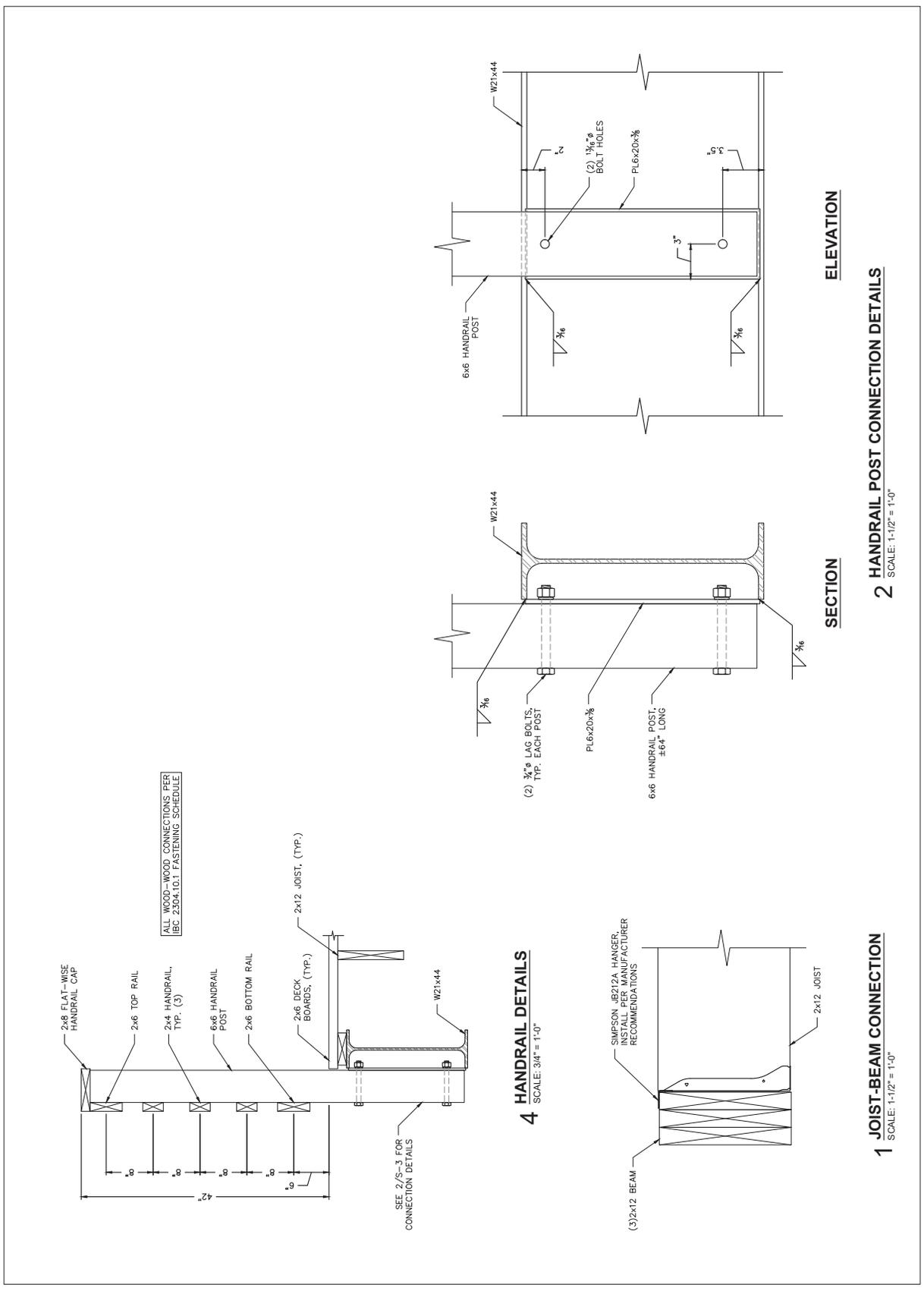
FORESITE group
 ForeSite Group, LLC
 375 Peachtree Industrial Center, C-1
 Suite 100
 Peachtree Corners, GA 30092 | 770.361.1944
 www.fs-gc.net
 770.368.1399

SEAL:
DRAFT FOR REVIEW

PROJECT:
ARABIA MOUNTAIN BRIDGE #1
 LOCATED AT: ROAD
 5800 STONEMASTER, GA 30038

CARRIER	APPROVALS
LANDLORD	
LEASING	
CONSTRUCTION	
REVISIONS	DATE
ISSUED FOR:	REVIEW
PROJECT MANAGER:	DEJ
DRAWING BY:	DEJ
DATE:	08/22/22
TITLE:	

FRAMING &
 CONNECTION DETAILS
 SHEET NUMBER: S-3
 JOB/FILE NUMBER: 1417.012



ALL WOOD-WOOD CONNECTIONS PER
 IBC 2304.10.1 FASTENING SCHEDULE

SEE 2/S-3 FOR
 CONNECTION DETAILS

4 HANDRAIL DETAILS
 SCALE: 3/4" = 1'-0"

ELEVATION

SECTION

2 HANDRAIL POST CONNECTION DETAILS
 SCALE: 1-1/2" = 1'-0"

1 JOIST-BEAM CONNECTION
 SCALE: 1-1/2" = 1'-0"