August 30, 2022

MAINE DEPARTMENT OF AGRICULTURE, CONSERVATION AND FORESTRY

BUREAU OF PARKS AND LANDS
GRIFFITH HEAD BRIDGE RECONSTRUCTION, BGS #3207

REID STATE PARK, GEORGETOWN, MAINE

Addendum #1

Prebid meeting

Optional meeting was held on August 30, 2022 at the site. The attendance list from the meeting is attached.

The prebid meeting reviewed the project scope and schedule, the Owners representatives, and other topics related to the documents.

Preservative Treatment of Glue laminated beams

We had a discussion of the specified pentachlorophenol (penta) treated lumber to be used to make the glue laminated beams. The original documents specified penta for the glue laminated deck beams and the diaphragm blocks that are inserted between them.

One of the contractors bidding on this project forwarded a list of questions from one of the main suppliers for the laminated timber beams. They have some penta treated wood left over but not enough for all of the bridge beams and said that they cannot get more.

The EPA announced elimination of the registration to make penta preservative for new lumber starting in February this year, but said production of the chemicals can continue into February 2024 and remaining chemical stock can be used to treat wood through February 2027 chttps://www.epa.gov/ingredients-used-pesticide-products/pentachlorophenol Apparently the market has changed more rapidly than that schedule and the existing stocks are now difficult to find, even though the EPA allows it's use through 2027.

The Owner recognizes that we will need to switch to CCA preservative for the interior beams and the diaphragms but wish to retain penta as the preservative for the exterior beams. Experience has been that the CCA treated laminated wood is subject to severe checking for the beams that are exposed to the sun on the two exterior sides and that penta for those beams will be a better choice.

So for Reid, the six exterior beams would benefit by using penta and not CCA, while the thought is that the other beams underneath the bridge are shaded and not likely to have trouble with CCA. One company recently contacted claims to have enough penta treated stock right now to do the exterior beams, but not the whole bridge.

Schedule

Discussion of the schedule. The delivery of the timber components is a long lead item (16 to 20 weeks). The Owner intends to approve the contract as quickly as practicable in September so that the awarded Contractor may order materials as soon as possible. The existing bridge should remain usable until the materials are on site or close to it. Actual construction will be in the spring of 2023. The bridge and access road should reopen for traffic by May 1, 2023, but if necessary, the reopening can be extended to June 1, 2023 .

The prospective bidders at the meeting were asked if September 8th bid date was workable and they agreed that it was.

Snow plowing

The park staff will provide the normal snow plowing on the park access road to the bridge location and the lay down area as needed for the 2022 through 2023 snow seasons. Contractor may need to augment this in the event of special needs. The Contractor is responsible for cleanup and restoration of the area of their operations to the satisfaction of the Owner.

Bid Opening

The bid opening will be open to the bidders through a Microsoft Teams video conference call. A link to the opening is available by contacting the BGS administrator, in this case: joseph.ostwald@maine.gov.

Special Requirements

The project has Federal funding and is subject to a number of Federal requirements including Buy American. See Section *00 73 00 Supplemental General Conditions* in the project manual.

CC: Attendees at Prebid Meeting

David Rodrigues, BPL

Ryan Kerr, BPL

Joseph Ostwald -BGS Website

Andrea White -AGC

Mike Naczas- Construction Summary

Steve Ruell, Gary Neville- Pinnacle Hill Engineering

Reid State Park Griffith Head Beach Bridge Repair
Contractors Prebid Meeting

August 30, 2022

Attendance List

Name	Company Name & Address	Phone	Email
Lyle Francis	Sunkhaze Proj. Solutions 6594	207-745-	Lyle.Francis76@gmail.com
JAKE ADAMS	CPM CONSTRUCTORS	837-5381	JADAMS@CPMCONSTRUCTORS.com
Kim Smith	Wyman & Simpson	939-2357	KSmith@wymanandsimpson.com
GREG SCOTT	SCOTT CONST CORP	632-0521	gscott207@gmail.com
David Rodrigues	BPL	207-446-1747	david.rodrigues@maine.gov
Jeff Bailey	Reed & Reed	207-386-5407	jbailey@reed-reed.com
Lucinda Tilas	Chesterfield Associates Inc.	207-350-5966	lucinda@ca-inc.net

August 30, 2022

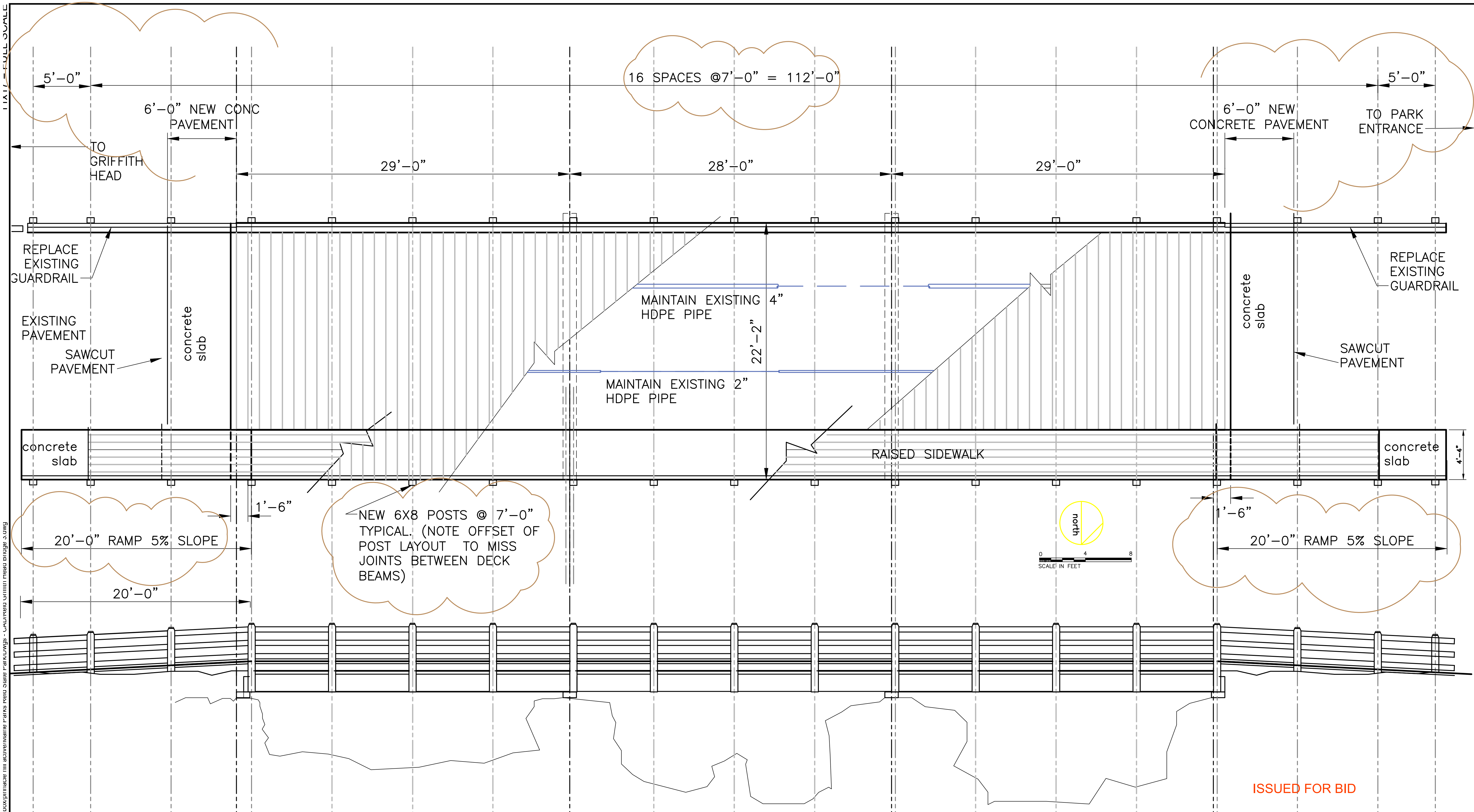
Addendum #1 -Corrections and clarifications to the Plans

1. Plan Sheet #2
   A. Rev #1 is attached as a correction for several items. The dimensions of the concrete slabs on sheet 2 Rev 0 were missing. The concrete extends 6'-0" from the edge of the timber deck. The concrete extends the full width of the roadway and will terminate against the stone masonry on each side. The roadway width is irregular due to the shape of the stones.
   B. The guardrail posts are all 6x8 nominal. The note referring to 6x6 is updated.

2. Plan Sheet 4
   C. The glue laminated diaphragms are shown in this plan but difficult to see in some places. The diaphragm blocks are between the deck beams in five staggered rows of 13 blocks (at each of the two interior piers and at midspan of each span). Also a diaphragm block is needed at each of 8 additional post locations along each exterior railing. 13 pcs x 5 locations = 65 pcs and 1 at each of the 16 post locations= 81 total diaphragm blocks. The exact length of the blocks is subject to the final dimensioning of the deck beams.
3. Plan Sheet 5
   D. The glue laminated beams may be 5" or 5 1/8" in width after planing. These widths are both listed in the standards for Southern Pine glue laminated timber and either is acceptable. The beam depth of 17 7/8" may also be increased if the standard thickness of layers is greater. In a similar vein, the final dimensions of the laminated Diaphragms may also be varied to meet the standard lumber sizing of the lamination supplier.
   E. The attachment of the sidewalk to the bridge deck- Provide three carriage bolts for bolting each of the sidewalk sleepers to the decking underneath.
   F. The attachment of the 4x8 curb face on the inside edge of the sidewalk- Attach the curb to the sidewalk with 6"x 3/8" GRK RSS deck screws or equivalent, spaced at 12" o.c. into the edge of the first sidewalk deck plank and one each into the end of each sleeper.
   G. The attachment of the 6x8 railing posts to the side of the bridge exterior beam is two threaded rods plus a third lower fasteners. The lower fastener can be a 3/4" hex bolt or a 3/4" x9" lag screw

4. Plan Sheet #6 - The L5x5 clips holding the deck beams to the sills should be 20" long. The length of 24" in the note on Sheet 6 should be 20"
5. Plan Sheet #7 - The connection for the deck beam to the sill is a single driven pin in each beam at each end of the beam. The pin is as noted on Sheet 6, 1" diameter x22" galvanized.

6. Plan Sheet #9 -
   A. Rev #1 is hereby attached as a correction for several items. As discussed above there are supply issues and some doubt on the availability of pentachlorophenol (penta) treated lumber availability. The six deck beams on the exterior of the bridge should be made with penta Type C treatment as specified. If necessary, the Owner would also accept that the interior beams and the diaphragms may be CCA treated.
   B. Adjusted the treatment level of other deck timber and decking members to be more consistent.



5'–0"
16 SPACES @7'–0" = 112'–0"
5'–0"
6'–0" NEW CONC PAVEMENT
6'–0" NEW CONCRETE PAVEMENT
TO PARK ENTRANCE
TO GRIFFITH HEAD
29'–0"
28'–0"
29'–0"
REPLACE EXISTING GUARDRAIL
REPLACE EXISTING GUARDRAIL
EXISTING PAVEMENT
SAWCUT PAVEMENT
SAWCUT PAVEMENT
concrete slab
MAINTAIN EXISTING 4" HDPE PIPE
22'–2"
MAINTAIN EXISTING 2" HDPE PIPE
RAISED SIDEWALK
4'-4"
1'–6"
1'–6"
NEW 6X8 POSTS @ 7'–0" TYPICAL. (NOTE OFFSET OF POST LAYOUT TO MISS JOINTS BETWEEN DECK BEAMS)
20'–0" RAMP 5% SLOPE
20'–0" RAMP 5% SLOPE
20'–0"
north
0 4 8
SCALE IN FEET
ISSUED FOR BID

STATE OF MAINE
STEPHEN T. RUELL
No. 4396
PROFESSIONAL ENGINEER LICENSED

NO.	REVISION	DATE
1	misc dimensions	8-30-22

BGS Project No. PT 3207

DESIGNED BY STR

DRAWN BY STR

-

DATE REVISED 8-30-2022

Maine Bureau of Parks and Lands
REID STATE PARK, Georgetown, Maine
GRIFFITH HEAD BRIDGE RECONSTRUCTION

Bridge Plan and Elevation

PINNACLE HILL ENGINEERING
33 Pinnacle Road
Canaan, ME 04924
PinnacleHillEngineering@gmail.com

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REV. 1

TIMBER SCHEDULE

ITEM	SIZE	SPECIES AND GRADE	TREATMENT USE GROUP	TYPE	CONNECTIONS
SILLS	6" X14" ACTUAL	EXISTING		EXISTING CREOSOTE TREATED TIMBER	ANCHOR BOLTS
INTERIOR DECK BEAMS	$5\frac{1}{8}$" x $17\frac{7}{8}$" finished size	SO. PINE GLULAM 24F-V3 INDUSTRIAL	UC4C	CCA 0.60 pcf	1" x 22" DRIFT PINS
EXTERIOR DECK BEAMS	$5\frac{1}{8}$" x $17\frac{7}{8}$" finished size	SO. PINE GLULAM 24F-V3 ARCHITECTURAL	UC4C	PENTACHLOROPHENOL TYPE C 0.60 pcf	1" x 22" DRIFT PINS
RIM BEAM	6x16	Reuse existing deck beam		EXISTING CREOSOTE TREATED TIMBER	1/2" x 12" DRIFT PINS
DIAPHRAGM Btwn DECK BEAMS	5" OR $5\frac{1}{8}$"x$12\frac{3}{8}$"	SO. PINE GLU-LAM 24F-1.8E	UC4C	PENTACHLOROPHENOL TYPE C 0.60 pcf OR CCA 0.6 pcf	BOLTED - SEE DETAILS
BRIDGE DECK	4X10 OR 4X12 NOMINAL	SO. PINE COMMERCIAL DECKING	UC4C	CCA 0.6 pcf	SEE SECTIONS
SIDEWALK FRAMING	4X8 NOMINAL	SO. PINE NO. 2	UC4B	WATERBORNE, COPPER BASED, SEE NOTES	SEE SECTIONS
SIDEWALK DECKING	3X8 or 3x10 Nominal	SO. PINE COMMERCIAL DECKING	UC4B	WATERBORNE, COPPER BASED, SEE NOTES	SEE SECTIONS
SIDEWALK FACE	4x8 NOMINAL	SO. PINE NO. 2	UC4B	WATERBORNE, COPPER BASED, SEE NOTES	SEE SECTIONS
CURB	6X10 NOMINAL	SO. PINE NO. 2	UC4B	WATERBORNE, COPPER BASED, SEE NOTES	SEE SECTIONS
CURB BLOCKING	4X10 NOMINAL	SO. PINE NO. 2	UC4B	WATERBORNE, COPPER BASED, SEE NOTES	SEE SECTIONS
GUARDRAIL POSTS	6X8 NOMINAL	SO. PINE NO. 1	UC4B	WATERBORNE, COPPER BASED, SEE NOTES	SEE SECTIONS
RAILS	4X6 NOMINAL	SO. PINE NO. 1	UC4B	WATERBORNE, COPPER BASED, SEE NOTES	SEE SECTIONS

NOTES

WATERBORNE, COPPER BASED PRESERVATIVE SHALL BE ONE OF THE FOLLOWING:
- COPPER AZOLE (CA-C) - 0.31 PCF
- DISPERSED OR MICRONIZED COPPER (uCA-C, MCA,MCQ) 0.15 PCF

PROVIDE RETENTION LEVELS FOR THESE PRESERVATIVES TO MEET THE REQUIREMETNTS OF THE USE GROUP SPECIFIED.

ALKALINE COPPER (ACD, ACQ-C, ACQ-D, KDS,KDS-B) 0.50 PCF -BUT MAY NOT BE USED UNLESS CONTRACTOR USES STAINLESS FASTENERS AT HIS EXPENSE.

ISSUED FOR BID

STATE OF MAINE
STEPHEN T. RUELL
No. 4396
LICENSED PROFESSIONAL ENGINEER

NO.	REVISION	DATE
1	Treatment of deck members	8-30-22
	BGS Project No. PT 3207	

DESIGNED BY STR
DRAWN BY STR
-
DATE REVISED 8-30-2022

Maine Bureau of Parks and Lands
REID STATE PARK, Georgetown, Maine
GRIFFITH HEAD BRIDGE RECONSTRUCTION

TIMBER SCHEDULE

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REV. 1