



NEVADA DIVISION OF
**ENVIRONMENTAL
PROTECTION**

A division of the
Nevada Department of Conservation & Natural Resources

STATE OF NEVADA
Joe Lombardo, Governor
Vinson Guthreau, Director
Jennifer L. Carr, Administrator

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Carson City, Nevada 89701
p: 775-687-4670 f: 775-687-5856
ndep.nv.gov

Clean Water Act Section 401 Water Quality Certification Application

Please refer to the "[Clean Water Act Section 401 Water Quality Certification Application Guidance](#)" document for assistance with completing this application.

A. Pre-Filing Meeting	
Please provide the date that a pre-filing meeting was requested from Nevada Division of Environmental Protection (NDEP) Bureau of Water Quality Planning (BWQP).	February 26, 2025
<i>Note: If a pre-filing meeting has not been requested, please schedule a pre-filing meeting with NDEP BWQP.</i>	

B. Contact Information	
Project Proponent Information	
Company Name: Humboldt-Toiyabe National Forest	Address: 1200 Franklin Way
Applicant Name: Jordan Burge	City: Sparks
Phone: 775-233-1850	Fax:
	State: NV
Email: jordan.burge@usda.gov	Zip Code: 89431
Agent Information	
Company Name: Same	Address:
Agent Name:	City:
Phone:	Fax:
	State:
Email:	Zip Code:

C. Project General Information	
Project Location	
Project/Site Name: Kingston Campground bridge replacement	Name of receiving waterbody: Kingston Creek
Address: No specific address	Type of waterbody present at project location (<i>select all that apply</i>):
City:	☒ Perennial River or Stream
County: Lander	☐ Intermittent River or Stream
State: NV	☐ Ephemeral River or Stream
Zip Code:	☐ Lake/Pond/Reservoir
	☐ Wetland
	☐ Other: _____

Latitude (UTM or Dec/Deg): 39.226		Longitude (UTM or Dec/Deg): -117.141	
Township: 16N	Range: 43E	Section: 28	¼ Section: NE
Project Details			
Project purpose:		To replace a failing road bridge with pipe-arch culverts	
Describe current site conditions: Attachments can include, but are not limited to, relevant site data, photographs that represent current site conditions, or other relevant documentation.		The structural components of the current bridge are failing beyond the point of repair and scour has undermined the abutments. See attached inspection report (with photos). The road is native surfaced, and the stream has flow controlled by Groves Lake. The stream has diverted into the abutments and has started to undermine the wingwalls.	
Describe the proposed activity including methodology of each project element:		Overview: the existing bridge, along with the mortared stone abutments, will be replaced by two pipe-arch culvert in the same location. Existing Bridge: The current bridge is only 7 feet long. All of its components will be removed, including abutments and timber superstructure. The abutments consist of vertical CMPs filled with concrete, mortared stone backwalls, and stacked stone wingwalls. New culverts: Two pipe-arch CMPs, in series, will be installed. Class 2 riprap will be placed surrounding the culvert, some within the high-water mark boundary (see spreadsheet).	
Estimate the nature, specific location, and number of discharge(s) expected to be authorized by the proposed activity:		Some discharges will be within the high-water mark boundary, and some without. See spreadsheet for specific quantities: • New CMP culvert • Suitable material excavated during removal of existing bridge and preparation of culvert placement. • Select borrow from a commercial source. • Class 2 rock riprap (also from a commercial source) to protect the new structure.	
Provide the date(s) on which the proposed activity is planned to begin and end and the approximate date(s) when any discharge(s) may commence:		Potentially November 15, 2026 – December 1, 2026 Another possibility: July 1, 2027	
Provide a list of the federal permit(s) or license(s) required to conduct the activity which may result in a discharge into regulated waters (see mandatory attachments):		USACE Nationwide Permit #14	
Provide a list of all other federal, state, interstate, tribal, territorial, or local agency authorizations required for the proposed activity and the current status of each authorization:		NEPA assessment, USF&W, and SHPO consultation are in process.	
Does this activity require preparation of an Environmental Impact Statement (EIS) under the National Environmental Policy Act (33 U.S.C. § 4321, et seq.) by the U.S. Army Corps of Engineers (USACE) or another federal agency where USACE will rely on the EIS to make its permit decision.		No.	

Total area of impact to regulated waterbodies (acres):	0.1 acres (total project disturbance)	
Total linear distance of impact to regulated waterbodies (linear feet):	60 LF	
Quantity and nature of each discharge of fill material proposed within regulated waters (cubic yards):	Temporary:	Permanent:
	See spreadsheet	
Quantity and nature of each discharge of dredged material proposed within regulated waters (cubic yards):	Temporary:	Permanent:
	See spreadsheet	
Describe the reason(s) why avoidance of temporary fill in regulated waters is not practicable (if applicable):	NA	
Describe the Best Management Practices (BMPs) to be implemented to avoid and/or minimize impacts to regulated waters: Examples include sediment and erosion control measures, habitat preservation, flow diversions, dewatering, hazardous materials management, water quality monitoring, equipment or plans to treat, control, or manage discharges, etc.	The Forest Service National BMP guide will be utilized (and is required) for all aspects of this project. Some examples include: The most important BMP will be scheduling. The weather forecast will be monitored daily. If precipitation is predicted, ground will not be disturbed to the greatest extent possible. Straw wattles will be placed along the downhill side of all loose and uncompacted soils. Silt fence will be utilized while removing the existing bridge and placing the new culverts. If needed, stockpiles will be covered with plastic and the downhill side will be lined with straw wattles. Construction limits will be delineated to avoid excessive disturbance. All equipment will be inspected for weeds, and all imported material will be state-certified weed-free. All excavated spoils will be hauled or placed in a location so they cannot re-enter the channel. This will be accomplished by hauling material off-site or placing in a plastic-covered stockpile. Straw wattles will be installed on the downhill side of any stockpiles. Any equipment fueling, cleaning, or maintenance will take place a minimum of 150' from the channel, again, in an area that will not re-enter the channel in case of stormwater. Water Diversion Plan: a sandbag and plastic cofferdam will be hand-built to divert flows away from one abutment wall of the existing bridge. Once the abutment is removed, one of the culverts will be installed and partially backfilled and armored. The creek will then be diverted into the installed culvert. The other abutment wall will be removed, and the second culvert will be installed. Silt fence will also be installed to prevent disturbed material from entering the active channel. Standing groundwater in excavated areas will be pumped to an area where it will infiltrate to allow for dry enough soils for proper compaction. The diversion will be in place a maximum of 10 days. An estimated 1 cy of clean sand will be used to fill sandbags. The diversions will be removed by hand, and the area will be restored to pre-existing conditions. As described above, rock riprap will be	

	placed to maintain the alignment of the channel directly adjacent to the culvert (and protect for scour).
Describe how the activity has been designed to avoid and/or minimize adverse effects, both temporary and permanent, to regulated waters:	For temporary effects, see the BMP description above. For permanent effects: the new culverts have been designed to pass the calculated 100-year recurrence interval flood. The elevation and slope of the culvert (along with the material inside of it) will mimic current stream characteristics. The banks immediately adjacent to the culvert will be protected with rock riprap. These design features will allow for significant flooding without adverse effects to the stream (or the new structure).
Describe any compensatory mitigation planned for this project (if applicable):	None planned, but to be determined by the USACE.

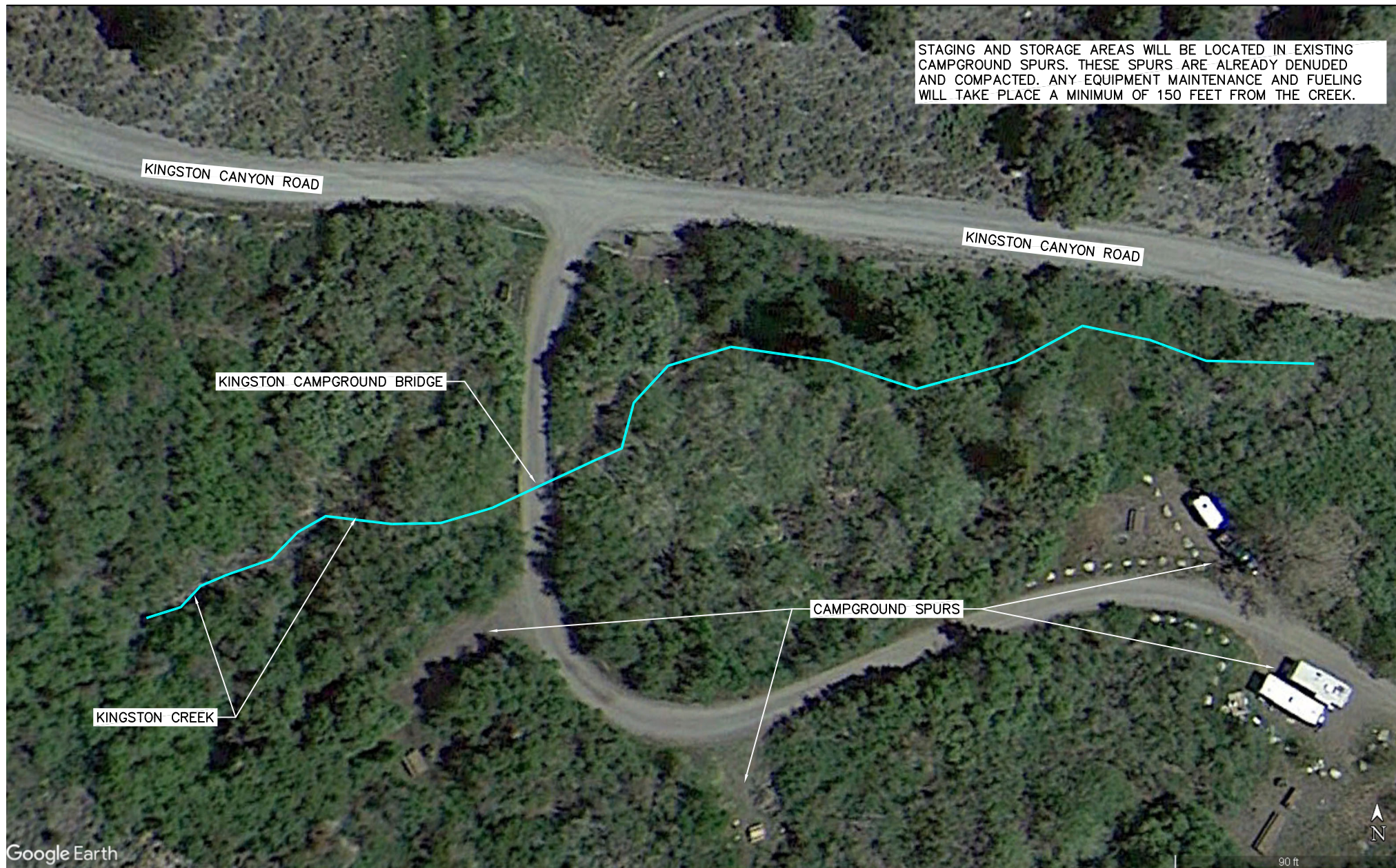
D. Signature		
Name and Title (Print): Jordan Burge	Phone Number: 775-233-1850	Date: 9/10/2026
Recoverable Signature X Jordan Burge Signature of Responsible Official Signed by: JORDAN BURGE		

Mandatory Attachments:

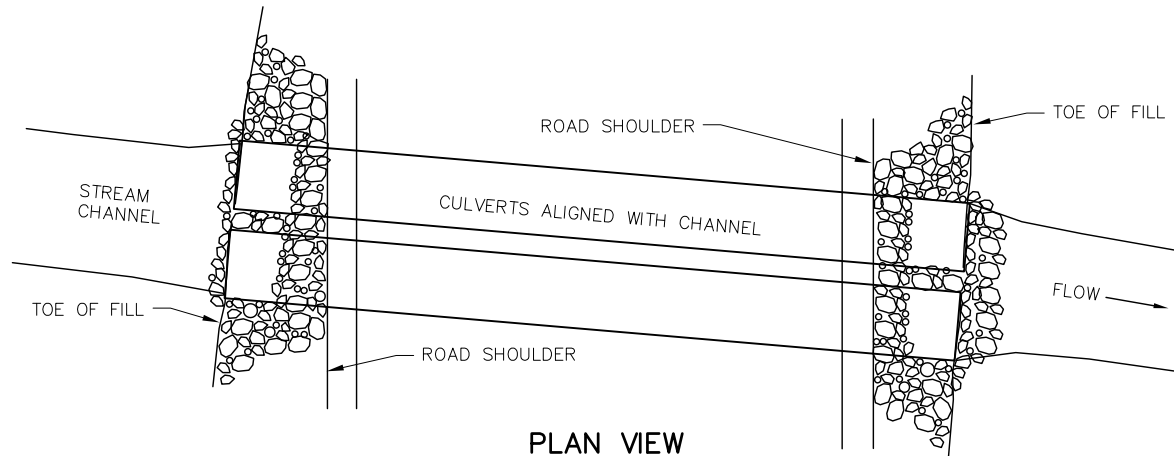
- **Federal Permit or License Application** - A copy of the federal permit or license application and any readily available water quality-related materials that informed the development of the federal license or permit application.
- **Site Map** - A map or diagram of the proposed project site including project boundaries in relation to regulated waters, local streets, roads, and highways.
- **Engineered Drawings** - Engineered drawings are preferred to be submitted at the 70% design level. If only conceptual designs are available at the time of application, plans for construction should be submitted prior to the start of the project. Specific locations of the proposed activities and details of specific work elements planned for the project should be identified (e.g., staging areas, concrete washouts, perimeter controls, water diversions, or other BMPs).

Submit the completed application materials to NDEP (ndep401@ndep.nv.gov) with the appropriate U.S. Army Corps of Engineers Regulatory Office copied on the communication (<http://www.spk.usace.army.mil/Missions/Regulatory/Contacts/Contact-Your-Local-Office/>).

KINGSTON CAMPGROUND BRIDGE REPLACEMENT SITE PLAN



KINGSTON CAMPGROUND BRIDGE REPLACEMENT CULVERT DETAILS



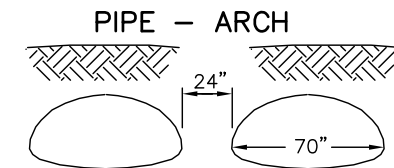
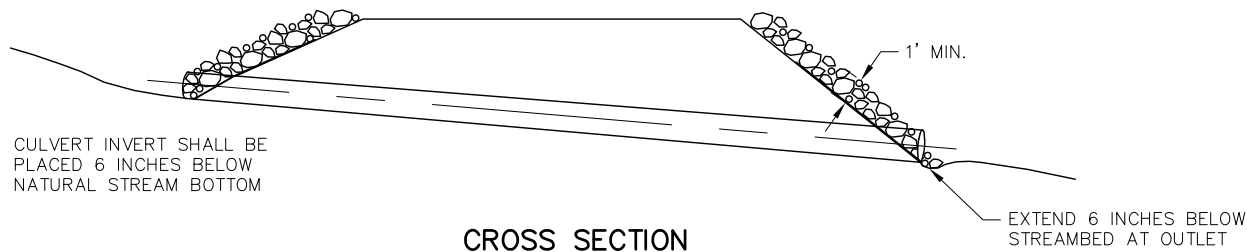
GENERAL NOTES

PLACEMENT: PIPE SHALL MIMIC AVERAGE SLOPE OF CREEK IN IMMEDIATE AREA, APPROXIMATELY 4.5%

CAMBER: PIPES SHALL BE CAMBERED AS NECESSARY TO COMPENSATE FOR ANY ANTICIPATED SETTLEMENT IN THE FOUNDATION OR BED. NORMALLY, CAMBER IS 1% OF THE PIPE LENGTH BUT NOT TO EXCEED 3/4 DIAMETER OF THE PIPE. CAMBER SHALL BE ON A PARABOLIC CURVE, WITH NO POINT ALONG THE INVERT BEING HIGHER THAN THE INVERT AT THE INLET.

FILL: A MINIMUM OF 1'0" OF COVER WILL BE REQUIRED OVER GALVANIZED STEEL PIPE. A MINIMUM FLOW GRADE OF 2% WILL BE USED IN ANY INSTALLATION, PREFERRED FLOW GRADE OF 8% WILL BE USED WHERE POSSIBLE.

TREATMENT OF DAMAGED SPELTER: THE DAMAGED OR CORRODED ENDS OF EXISTING METAL PIPE TO BE EXTENDED SHALL BE REMOVED. IF THE DAMAGED END IS FLAME CUT, THE BURNED SPELTER ON THE GALVANIZED PIPE SHALL BE WIRE BRUSHED TO CLEAN METAL, AND THE AREA SHALL BE PAINTED WITH TWO COATS OF PAINT, HIGH IN ZINC CONTENT, FOR REPAIR OF THE GALVANIZED SURFACES.



Kingston Campground Bridge Replacement

Excavation (CY)				Fill (CY)						
Whole Project		High-Water Mark Boundary		Whole Project			High-Water Mark Boundary			
Bridge Abutments	Soils	Bridge Abutments	Soils	Riprap for Culvert	Imported Fill	From On-Site Excavation	Riprap for Culvert	Imported Fill	From On-Site Excavation	Temporary Fill (sandbag cofferdams)
15	45	10	12	30	40	45	7	8	12	1

*The CMP culverts will also be placed within the High-Water Mark Boundary

RE: Kingston Campground bridge replacement project

From Burge, Jordan - FS, NV <jordan.burge@usda.gov>

Date Fri 10/2/2026 1:20 PM

To NDEP 401 Certifications <ndep401@ndep.nv.gov>

Cc Zachary Carter <zcarter@ndep.nv.gov>; Bohannon, Samuel T CIV USARMY CESPK (USA) <samuel.t.bohannon@usace.army.mil>

 1 attachment (570 KB)

USACE Nationwide Permit Application.pdf;

WARNING - This email originated from outside the State of Nevada. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Hi Zack,

Please see my responses to your bullets below.

- Please see attached permit application. I had several attachments as part of this application, but you already received the same ones.
- This imported fill will be an engineered aggregate base (most likely Type II), and it will be state-certified weed free. This will basically be the structural fill around the culverts.
- See below for the diversion details, and let me know if you'd like me to edit the original application, or if this email will suffice.

- *Proposed methods for diverting or bypassing flows around the area of impact within the channel:*

Sandbag and plastic cofferdams will be utilized to divert the creek. The flow will be pushed to one side of the channel with a hand-built cofferdam and silt fence will be installed, and the first bridge abutment will be removed. Once the abutment is removed and the dry portion of the channel is regraded, one culvert will be installed. Flows will then be diverted into the installed culvert with a cofferdam and isolated with silt fence. The remaining abutment will be removed, this portion of the channel regraded, and the second culvert installed. Once structural fill and riprap is placed, the cofferdam will be removed, and the channel will flow freely in the two culverts.

Just to address any concerns, the average flow for this creek in August and September is less than 2 CFS. Even the 2-year recurrence interval flood is less than 5 CFS. Temporarily diverting the creek into one pipe will not be a concern in terms of hydraulic capacity.

- *Equipment that will be used to construct the diversion*

The sandbag and plastic cofferdam will be hand-built and removed.

- *Length of time the area is proposed to be diverted or bypassed*

The diversion will be in place no longer than 14 days.

- *Area (acres) and length (linear feet) of regulated waters impacted by the structure and/or fill*
0.03 acres and 50 LF temporarily impacted by the diversion.
- *Volume of temporary fill material (cubic yards)*
1 CY
- *Method for removal of the structures and/or fill*
The diversion will be removed by hand. To clarify, the abutments of the existing bridge will be removed by heavy equipment, such as an excavator, but this work will be separated from active flow by silt fence and the cofferdam.
- *Method for restoration of the area affected by the structure or fill upon project completion*
The intention of the hand-placed cofferdam is to minimally disturb the creek banks and bottom, eliminating the need for restoration. Disturbed areas outside of the channel will be regraded to match surrounding conditions and seeded with a locally prescribed mix.
- *Diversion or bypass designs.*
Drawings have not been produced for this project. Please let me know if they will be required beyond the above description.

Thanks, and let me know if I can provide any further information.



Jordan Burge, PE
Civil Engineer

Forest Service
Humboldt-Toiyabe National Forest

p: 775-233-1850

jordan.burge@usda.gov

1200 Franklin Way
Sparks, NV 89431

www.fs.usda.gov



Caring for the land and serving people

From: NDEP 401 Certifications <ndep401@ndep.nv.gov>

Sent: Thursday, October 1, 2026 11:46 AM

To: Burge, Jordan - FS, NV <jordan.burge@usda.gov>

Cc: Zachary Carter <zcarter@ndep.nv.gov>; Bohannon, Samuel T CIV USARMY CESPCK (USA)
<samuel.t.bohannon@usace.army.mil>

Subject: Re: Kingston Campground bridge replacement project

Good Morning Jordan,

Thank you for following up regarding this certification request, and my apologies for the delayed response.

U.S. Army Corps of Engineers (USACE)
NATIONWIDE PERMIT PRE-CONSTRUCTION NOTIFICATION (PCN)

For use of this form, see 33 CFR 330; the proponent agency is CECW-CO-R.

Form Approved -
OMB No. 0710-
0003
Expires: 2027-10-31

DATA REQUIRED BY THE PRIVACY ACT OF 1974

Authority Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Regulatory Program of the Corps of Engineers (Corps); Final Rule 33 CFR 320-332.

Principal Purpose Information provided on this form will be used in evaluating the nationwide permit pre-construction notification.

Routine Uses This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of the agency coordination process.

Disclosure Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can

The public reporting burden for this collection of information, 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PLEASE DO NOT RETURN YOUR RESPONSE TO THE ABOVE EMAIL.

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see *sample drawings and/or instructions*) and be submitted to the district engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED 09/15/2026	4. DATE APPLICATION COMPLETE
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(ITEMS BELOW TO BE FILLED BY APPLICANT)

5. APPLICANT'S NAME First – Jordan Middle – Last – Burge Company – USDA Forest Service, Humboldt-Toiyabe National Forest Company Title – E-mail Address – jordan.burge@usda.gov	8. AUTHORIZED AGENT'S NAME AND TITLE (<i>agent is not required</i>) First – Middle – Last – Company – E-mail Address –
6. APPLICANT'S ADDRESS Address – 1200 Franklin Way City – Sparks State – NV ZIP – 89431 Country – US	9. AGENT'S ADDRESS Address – City – State – ZIP – Country –
7. APPLICANT'S PHONE NOS. with AREA CODE a. Business b. c. Fax +17752331850	10. AGENT'S PHONE NOS. with AREA CODE a. b. c. Fax

STATEMENT OF AUTHORIZATION

11. I hereby authorize, to act in my behalf as my agent in the processing of this nationwide permit pre-construction notification and to furnish, upon request, supplemental information in support of this nationwide permit pre-construction notification.

SIGNATURE OF APPLICANT_____
DATE**NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY**12. PROJECT NAME or TITLE (*see instructions*)

Kingston Campground Bridge Replacement

NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY13. NAME OF WATERBODY, IF KNOWN (*if applicable*)14. PROPOSED ACTIVITY STREET ADDRESS (*if applicable*)15. LOCATION OF PROPOSED ACTIVITY (*see instructions*)Latitude: 39.2255731 °N Longitude: -117.1408843
°W

Address: 314 Kingston Canyon Rd

City: Austin State: NV Zip: 89310

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (*see instructions*)

Section – 28

Township – 016 N

Range – 043 E

County – Lander County

Project Area – 0.1 Acres

State Tax Parcel ID –

17. DIRECTIONS TO THE SITE

The project is located at Latitude 39.226 degrees, Longitude -117.141 degrees. From Austin, NV, travel east on US-50 E for approximately 27 miles. Turn west on Kingston Canyon Road (Forest Road 43136) and travel for 5.7 miles. Turn south into Kingston Campground. The bridge is located on the entrance road into the campground.

18. IDENTIFY THE SPECIFIC NATIONWIDE PERMIT(S) YOU PROPOSE TO USE

NWP 14 Linear Transportation Projects

19. DESCRIPTION OF PROPOSED NATIONWIDE PERMIT ACTIVITY (*see instructions*)

Overview: the existing bridge, along with the mortared stone abutments, will be replaced by two pipe-arch culvert in the same location.

Existing Bridge: The current bridge is only 7 feet long. All of its components will be removed, including abutments and timber superstructure. The abutments consist of vertical CMPs filled with concrete, mortared stone backwalls, and stacked stone wingwalls.

New culverts: Two pipe-arch CMPs, in series, will be installed. Class 2 riprap will be placed surrounding the culvert, some within the high-water mark boundary (see spreadsheet).

The current bridge is 7 feet long by 12 feet wide. The span is made up of old railroad rails and timber decking. The abutments are approximately 5 feet high, constructed primarily of mortared stone. There are also vertical CMPs that were a remnant of a previous structure, and stacked stone wingwalls. This entire structure will be removed.

The crossing will be replaced by two pipe-arch steel culverts, side by side. Their dimensions will each be 71" x 47" x 40'. The headwall will be constructed with rock riprap, and fill material will be retained by this rock riprap. Please see supporting attachments for excavation and fill dimensions, drawings, and existing photos.

20. DESCRIPTION OF PROPOSED MITIGATION MEASURES (*see instructions*)

The US Forest Service National BMP guide will be utilized (and is required) for all aspects of this project. Some examples include:

The most important BMP will be scheduling. The weather forecast will be monitored daily. If precipitation is predicted, ground will not be disturbed to the greatest extent possible. Straw wattles will be placed along the downhill side of all loose and uncompacted soils. Silt fence will be utilized while removing the existing bridge and placing the new culverts. If needed, stockpiles will be covered with plastic and the downhill side will be lined with straw wattles. Construction limits will be delineated to avoid excessive disturbance. All equipment will be inspected for weeds, and all imported material will be state-certified weed-free.

All excavated spoils will be hauled or placed in a location so they cannot re-enter the channel. This will be accomplished by hauling material off-site or placing in a plastic-covered stockpile. Straw wattles will be installed on the downhill side of any stockpiles. Any equipment fueling, cleaning, or maintenance will take place a minimum of 150 from the channel, again, in an area that will not re-enter the channel in case of stormwater.

Water Diversion Plan: a sandbag and plastic cofferdam will be hand-built to divert flows away from one abutment wall of the existing bridge. Once the abutment is removed, one of the culverts will be installed and partially backfilled and armored. The creek will then be diverted into the installed culvert. The other abutment wall will be removed, and the second culvert will be installed.

Silt fence will also be installed to prevent disturbed material from entering the active channel. Standing groundwater in excavated areas will be pumped to an area where it will infiltrate to allow for dry enough soils for proper compaction. The diversion will be in place a maximum of 10 days. An estimated 1 cy of clean sand will be used to fill sandbags. The diversions will be removed by hand, and the area will be restored to pre-existing conditions. As described above, rock riprap will be placed to maintain the alignment of the channel directly adjacent to the culverts (and protect for scour).

The above discusses temporary effects. For permanent effects, the new culverts have been designed to pass the calculated 100-year recurrence interval flood. The elevation and slope of the culverts (along with the material inside of it) will mimic current stream characteristics. The banks immediately adjacent to the culvert will be protected with rock riprap. These design features will allow for significant flooding without adverse effects to the stream (or the new structure).

21. PURPOSE OF NATIONWIDE PERMIT ACTIVITY (*Describe the reason or purpose of the project, see instructions*)

To replace a failing road bridge with pipe-arch culverts

22. QUANTITY OF WETLANDS, STREAMS, OR OTHER TYPES OF WATERS DIRECTLY AFFECTED BY PROPOSED NATIONWIDE PERMIT ACTIVITY
(*see instructions*)

See Appendix B

Each PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site.

25. List any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. (*see instructions*)

26. If the proposed activity will result in the loss of greater than 1/10-acre of wetlands and/or the loss of greater than 3/100-acre of stream bed and requires pre-construction notification, explain how the compensatory mitigation requirement in paragraph (c) and/or paragraph (d) of general condition 23 will be satisfied, or explain why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required for the proposed activity.

27. Is any portion of the nationwide permit activity already complete? ☐ Yes ☒ No

If Yes, describe the completed work:

28. List the name(s) of any species listed as endangered or threatened under the Endangered Species Act that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. (*see instructions*)

ADDITIONAL AFFECTED SPECIES:

I'm not sure. The Forest Service is the lead agency to complete this requirement, and we are assessing this now.

29. List any historic properties that have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic property or properties. (*see instructions*)

I'm not sure. The Forest Service is the lead agency to complete this requirement, and we are assessing this now.

30. For a proposed NWP activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, identify the Wild and Scenic River or the "study river":

31. If the proposed NWP activity also requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, have you submitted a written request for section 408 permission from the Corps district having jurisdiction over that project? ☐ Yes ☒ No

If "yes", please provide the date your request was submitted to the Corps district:

32. If the terms of the NWP(s) you want to use require additional information to be included in the PCN, please include that information in this space or provide it on an additional sheet of paper marked Block 30. (*see instructions*)

NA

33. Pre-construction notification is hereby made for one or more nationwide permit(s) to authorize the work described in this notification. I certify that the information in this pre-construction notification is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

Jordan Burge

09/15/2026

SIGNATURE OF APPLICANT

DATE

SIGNATURE OF AGENT

DATE

The pre-construction notification must be signed by the person who desires to undertake the proposed activity (applicant) and, if the statement in Block 11 has been filled out and signed, the authorized agent.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

**Instructions for Preparing a
Department of the Army
Nationwide Permit (NWP) Pre-Construction Notification (PCN)**

Blocks 1 through 4. To be completed by the Corps of Engineers.

Block 5. Applicant's Name. Enter the name and the e-mail address of the responsible party or parties. If the responsible party is an agency, company, corporation, or other organization, indicate the name of the organization and responsible officer and title. If more than one party is associated with the preconstruction notification, please attach a sheet of paper with the necessary information marked Block 5.

Block 6. Address of Applicant. Please provide the full address of the party or parties responsible for the PCN. If more space is needed, attach an extra sheet of paper marked Block 6.

Block 7. Applicant's Telephone Number(s). Please provide the telephone number where you can usually be reached during normal business hours.

Blocks 8 through 11. To be completed, if you choose to have an agent.

Block 8. Authorized Agent's Name and Title. Indicate name of individual or agency, designated by you, to represent you in this process. An agent can be an attorney, builder, contractor, engineer, consultant, or any other person or organization. Note: An agent is not required.

Blocks 9 and 10. Agent's Address and Telephone Number. Please provide the complete mailing address of the agent, along with the telephone number where he / she can be reached during normal business hours.

Block 11. Statement of Authorization. To be completed by the applicant, if an agent is to be employed.

Block 12. Proposed Nationwide Permit Activity Name or Title. Please provide a name identifying the proposed NWP activity, e.g., Windward Marina, Rolling Hills Subdivision, or Smith Commercial Center.

Block 13. Name of Waterbody. Please provide the name (if it has a name) of any stream, lake, marsh, or other waterway to be directly impacted by the NWP activity. If it is a minor (no name) stream, identify the waterbody the minor stream enters.

Block 14. Proposed Activity Street Address. If the proposed NWP activity is located at a site having a street address (not a box number), please enter it in Block 14.

Block 15. Location of Proposed Activity. Enter the latitude and longitude of where the proposed NWP activity is located. Indicate whether the project location provided is the center of the project or whether the project location is provided as the latitude and longitude for each of the "corners" of the project area requiring evaluation. If there are multiple sites, please list the latitude and longitude of each site (center or corners) on a separate sheet of paper and mark as Block 15.

Block 16. Other Location Descriptions. If available, provide the Tax Parcel Identification number of the site, Section, Township, and Range of the site (if known), and / or local Municipality where the site is located.

Block 17. Directions to the Site. Provide directions to the site from a known location or landmark. Include highway and street numbers as well as names. Also provide distances from known locations and any other information that would assist in locating the site. You may also provide a description of the location of the proposed NWP activity, such as lot numbers, tract numbers, or you may choose to locate the proposed NWP activity site from a known point (such as the right descending bank of Smith Creek, one mile downstream from the Highway 14 bridge). If a large river or stream, include the river mile of the proposed NWP activity site if known. If there are multiple locations, please indicate directions to each location on a separate sheet of paper and mark as Block 17.

Block 18. Identify the Specific Nationwide Permit(s) You Propose to Use. List the number(s) of the Nationwide Permit(s) you want to use to authorize the proposed activity (e.g., NWP 29).

Block 19. Description of the Proposed Nationwide Permit Activity. Describe the proposed NWP activity, including the direct and indirect adverse environmental effects the activity would cause. The description of the proposed activity should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal. Identify the materials to be used in construction, as well as the methods by which the work is to be done.

Provide sketches when necessary to show that the proposed NWP activity complies with the terms of the applicable NWP(s). Sketches usually clarify the activity and result in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed NWP activity (e.g., a conceptual plan), but do not need to be detailed engineering plans.

The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach an extra sheet of paper marked Block 19.

Block 20. Description of Proposed Mitigation Measures. Describe any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed NWP activity. The description of any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or additional mitigation measures.

Block 21. Purpose of Nationwide Permit Activity. Describe the purpose and need for the proposed NWP activity. What will it be used for and why? Also include a brief description of any related activities associated with the proposed project. Provide the approximate dates you plan to begin and complete all work.

Block 22. Quantity of Wetlands, Streams, or Other Types of Waters Directly Affected by the Proposed Nationwide Permit Activity. For discharges of dredged or fill material into waters of the United States, provide the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained by the proposed NWP activity. For structures or work in navigable waters of the United States subject to Section 10 of the Rivers and Harbors Act of 1899, provide the amount of navigable waters filled, dredged, or occupied by one or more structures (e.g., aids to navigation, mooring buoys) by the proposed NWP activity.

For multiple NWPs, or for separate and distant crossings of waters of the United States authorized by NWPs 12 or 14, attach an extra sheet of paper marked Block 21 to provide the quantities of wetlands, streams, or other types of waters filled, flooded, excavated, or drained (or dredged or occupied by structures, if in waters subject to Section 10 of the Rivers and Harbors Act of 1899) for each NWP. For NWPs 12 and 14, include the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained for each separate and distant crossing of waters or wetlands. If more space is needed, attach an extra sheet of paper marked Block 22.

Block 23. Identify Any Other Nationwide Permit(s), Regional General Permit(s), or Individual Permit(s) Used to Authorize Any Part of Proposed Activity or Any Related Activity. List any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. For linear projects, list other separate and distant crossings of waters and wetlands authorized by NWPs 12 or 14 that do not require PCNs. If more space is needed, attach an extra sheet of paper marked Block 23.

Block 24. Compensatory Mitigation Statement for Losses of Greater Than 1/10-Acre of Wetlands and/or of Greater Than 3/100-Acre of Stream Bed When Pre-Construction Notification is Required. Paragraphs (c) and (d) of NWP general condition 23 require compensatory mitigation at a minimum one-for-one replacement ratio for all wetland losses that exceed 1/10-acre and/or for all losses of stream bed that exceed 3/100-acre, unless the district engineer determines in writing that either some other form of mitigation is more environmentally appropriate or the adverse environmental effects of the proposed NWP activity are no more than minimal without compensatory mitigation, and provides an activity-specific waiver of this requirement. Describe the proposed compensatory mitigation for wetland losses greater than 1/10 acre and/or for losses of stream bed that exceed 3/100-acre, or provide an explanation of why the district engineer should not require wetland and/or stream compensatory mitigation for the proposed NWP activity. If more space is needed, attach an extra sheet of paper marked Block 24.

Block 25. Is Any Portion of the Nationwide Permit Activity Already Complete? Describe any work that has already been completed for the NWP activity.

Block 26. List the Name(s) of Any Species Listed As Endangered or Threatened under the Endangered Species Act that Might be Affected by the Nationwide Permit Activity. If you are not a federal agency, and if any listed species or designated critical habitat might be affected or is in the vicinity of the proposed NWP activity, or if the proposed NWP activity is located in designated critical habitat, list the name(s) of those endangered or threatened species that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 7 of the Endangered Species Act.

Block 27. List Any Historic Properties that Have the Potential to be Affected by the Nationwide Permit Activity. If you are not a Federal agency, and if any historic properties have the potential to be affected by the proposed NWP activity, list the name(s) of those historic properties that have the potential to be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 106 of the National Historic Preservation Act.

Block 28. List the Wild and Scenic River or Congressionally Designated Study River if the Nationwide Permit Activity Would Occur in such a River. If the proposed NWP activity will occur in a river in the National Wild and Scenic River System or in a river officially designated by Congress as a "study river" under the Wild and Scenic Rivers Act, provide the name of the river. For a list of Wild and Scenic Rivers and study rivers, please visit <http://www.rivers.gov/>.

Block 29. Nationwide Permit Activities that also Require Permission from the Corps Under 33 U.S.C. 408. If the proposed NWP activity also requires permission from the Corps under 33 U.S.C. 408 because it will temporarily or permanently alter, occupy, or use a Corps federal authorized civil works project, indicate whether you have submitted a written request for section 408 permission from the Corps district having jurisdiction over that project.

Block 30. Other Information Required For Nationwide Permit Pre Construction Notifications. The terms of some of the Nationwide Permits include additional information requirements for preconstruction notifications:

- * NWP 3, Maintenance –information regarding the original design capacities and configurations of the outfalls, intakes, small impoundments, and canals.
- * NWP 31, Maintenance of Existing Flood Control Facilities –a description of the maintenance baseline and the dredged material disposal site.
- * NWP 33, Temporary Construction, Access, and Dewatering –a restoration plan showing how all temporary fills and structures will be removed and the area restored to pre project conditions.
- * NWP 44, Mining Activities –if reclamation is required by other statutes, then a copy of the final reclamation plan must be submitted with the pre construction notification.
- * NWP 45, Repair of Uplands Damaged by Discrete Events –documentation, such as a recent topographic survey or photographs, to justify the extent of the proposed restoration.
- * NWP 48, Commercial Shellfish Aquaculture Activities –(1) a map showing the boundaries of the project area, with latitude and longitude coordinates for each corner of the project area; (2) the name(s) of the species that will be cultivated during the period this NWP is in effect; (3) whether canopy predator nets will be used; (4) whether suspended cultivation techniques will be used; and (5) general water depths in the project area (a detailed survey is not required).
- * NWP 49, Coal Remining Activities –a document describing how the overall mining plan will result in a net increase in aquatic resource functions must be submitted to the district engineer and receive written authorization prior to commencing the activity.
- * NWP 50, Underground Coal Mining Activities –if reclamation is required by other statutes, then a copy of the reclamation plan must be submitted with the pre construction notification.

If more space is needed, attach an extra sheet of paper marked Block 30.

Block 31. Signature of Applicant or Agent. The PCN must be signed by the person proposing to undertake the NWP activity, and if applicable, the authorized party (agent) that prepared the PCN. The signature of the person proposing to undertake the NWP activity shall be an affirmation that the party submitting the PCN possesses the requisite property rights to undertake the NWP activity (including compliance with special conditions, mitigation, etc.).

DELINEATION OF WETLANDS, OTHER SPECIAL AQUATIC SITES, AND OTHER WATERS

Each PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current wetland delineation manual and regional supplement published by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. The 45 day PCN review period will not start until the delineation is submitted or has been completed by the Corps.

DRAWINGS AND ILLUSTRATIONS

General Information.

Three types of illustrations are needed to properly depict the work to be undertaken. These illustrations or drawings are identified as a Vicinity Map, a Plan View or a Typical Cross Section Map. Identify each illustration with a figure or attachment number. For linear projects (e.g. roads, subsurface utility lines, etc.) gradient

drawings should also be included. Please submit one original, or good quality copy, of all drawings on 8½x11 inch plain white paper (electronic media may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations. Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view, or cross section). While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate, and contain all necessary information.

ADDITIONAL INFORMATION AND REQUIREMENTS

For proposed NWP activities that involve discharges into waters of the United States, water quality certification from the State, Tribe, or EPA must be obtained or waived (see NWP general condition 25). Some States, Tribes, or EPA have issued water quality certification for one or more NWPs. Please check the appropriate Corps district web site to see if water quality certification has already been issued for the NWP(s) you wish to use. For proposed NWP activities in coastal states, state Coastal Zone Management Act consistency concurrence must be obtained, or a presumption of concurrence must occur (see NWP general condition 26). Some States have issued Coastal Zone Management Act consistency concurrences for one or more NWPs. Please check the appropriate Corps district web site to see if Coastal Zone Management Act consistency concurrence has already been issued for the NWP(s) you wish to use.

USDA FOREST SERVICE, REGION 4
HUMBOLDT-TOIYABE NATIONAL FOREST
KINGSTON CAMPGROUND

ROAD BRIDGE INSPECTION REPORT

Inspection Date: **9/26/2024**

Route: **43136**

Milepost: **0.1000**

Structure No: **041703000001091**

INSPECTION TYPE: **ROUTINE**



KINGSTON CAMPGROUND OVER KINGSTON CREEK
Lander County, Nevada

(Signature)

U.S. DEPARTMENT OF AGRICULTURE
BRIDGE INSPECTION AND MANAGEMENT PROGRAM



USDA FOREST SERVICE, REGION 4									
HUMBOLDT-TOIYABE NATIONAL FOREST									
BRIDGE IDENTIFICATION AND LOCATION									
Structure Name:		KINGSTON CAMPGROUND				(8)Structure No:		041703000001091	
(5D)Route:		43136		(11)Milepost: 0.1000		(6)Feature Crossed:		KINGSTON CREEK	
Forest:		HUMBOLDT-TOIYABE		District: AUSTIN		Security ID		0417	
BRIDGE DESCRIPTION and MEASUREMENTS									
(27)Year Built:		1993		Description:					
(49)Overall Br Length:		7.0		(48)Max Span:		6.5		NBIS Bridge Opening: 0.0	
(51)Roadway Width (Curb to Curb):		11.0		(52)Deck Width out-out:		16.0		(32)Approach Roadway Width: 12.0	
(47)Horizontal		0		(53)Vertical		99		(34)Skew: 0	
(107)Deck StructureType:		Timber - Treated				(108A)Wearing Surface:		Native Material	
(45)No. Main Spans:		1		(43A)Superstr Material:		Steel		(43B)Superstr Type: Stringer/Multi-Beam Or Girder	
(46)No. Appr Spans:		0		(44A)Superstr Material:		Aggregate		(44B)Superstr Type:	
No. Substrs:		2		Substr Material:		Masonry		Substr Type:	
BRIDGE RATING SUMMARY:					SPECIALIZED INSPECTIONS:				
(in Tons)	Inventory	Operating	Safe Load Capacity	Posting	Specialized Inspections Required (23 CFR 650.303)			Based on this inspection, is additional inspection work needed in these specialized inspection areas?	
HL-93 (RF)	-	-	-	-					
HS-20	-	-	-	-					
Type 3	-	-	-	-					
Type 3S2	-	-	-	-					
Type 3-3	-	-	-	-	(92A) Fracture Critical			Yes/No	If Yes How Soon Needed
NRL (RF)	-	-	-	-	(92B) Underwater				0 Months
Rating Date:					(92C) Special				0 Months
(41) Posting Status:	Open, No Restriction				Critical Findings:				
(70) Posting Capacity:									
(31)Design Load:	UNKNOWN								
(63,65)Method of Load Rating:					Re-rating required based on this inspection?				
					Yes ☐ Use LRFR No ☒				
INSPECTION INFORMATION									
Date:	9/26/2024		Time Started:		4:00 PM		Time Completed:		5:00 PM
Inspection Team:	Kevin Wilmot, Dakota Krist				Leader:		Jordan Burge		Jurisdiction: FS
Weather:	Sunny, 80 degrees				Latitude:		39.22585		Longitude: -117.14095
Township:	16N		Range:		43E		Section: 28		1/4 Sect: Meridian:
(9)Location:	KINGSTON CAMPGROUND								
Recommended Inspection Frequency:			24 Months		☐ Special Equipment Need				
Narrative Report: (Add additional sheets if necessary)									

Structure Name: KINGSTON CAMPGROUND		Date: 9/26/2024	
Route: 43136	Milepost: 0.1000	Structure No: 041703000001091	
CONDITION CODES and REMARKS			
(Overall Code for item, to be reported to FHWA, in bold box)		CODE	
REMARKS			
Wearing Surface		6	
58. DECK:		6	
* 1.	Deck Slab/Panels/Joists	F	
C1.	Deck Joints	-	
C2.	Curbs	F	
C3.	Sidewalks	-	
C4.	Bridge Railings	-	
C5.	Drains and Drainage	G	
C6.	Rideability	G	
C7.	Cleanliness	F	
C8.	Utilities	No	
59. SUPERSTRUCTURE:		5	
* 1.	Girders <u>5</u> ea.	G	
	a. Diaphragms	-	
	b. Bracing	-	
* 2.	Floor Beams	-	
* 3.	Stringers	-	
* 4.	Trusses	-	
	a. Chords	-	
	b. Portals	-	
	c. Verticals/Diagonals	-	
	d. Bracing	-	
C1.	Bearing Devices	-	
C2.	Paint	-	
C3.	Deflection Under Load	G	
C4.	Vibration Under Load	G	
60. SUBSTRUCTURE:		3	
ABUTMENTS	*1.	Alignment (tilting, rotating, etc.)	G
	*2.	Erosion or Scour	C
	*3.	Settlement	G
	Timber Abutments (incl. WW)		
	*4.	Caps	-
	*5.	Posts/Piles/Tie Backs	-
	*6.	Backing Planks	-
	*7.	Sills/Footings	-
	*8.	Crib Walls/Tie Backs	-
	Other Abutments		
	*9.	Caps	-
	*10.	Footings	-
	*11.	Walls	P
*12.	Piles	P	
*13.	Wingwalls	F	
PIERS	*14.	Alignment (tipping, tilting, etc.)	-
	*15.	Erosion or Scour	-
	*16.	Settlement	-
	*17.	Caps	-
	*18.	Columns or Walls	-
	*19.	Footings	-
	*20.	Piles	-
	*21.	Bracing	-

* Only these items are used in the determination of the overall condition rating for that category, i.e. Deck, Superstructure, Substructure. Other items should be rated and remarked on but NOT included in determining the overall category rating. Items enumerated using a C (ex. C1) should be commented on but not rated. See the FHWA Coding Guide for further information as to what is included in condition ratings.

¹ Also includes wingwalls connected to the superstructure above the beam seat.

² Includes wingwalls integral with the abutment or the portion of the wingwall below the bearing seat.

Structure Name:		KINGSTON CAMPGROUND		Date:		9/26/2024		
Route:		43136		Milepost:		0.1000		
				Structure No.:		041703000001091		
CONDITION CODES and REMARKS (continued)								
(Overall Code for item, to be reported to FHWA, in bold box)			CODE	REMARKS				
61. CHANNEL and CHANNEL PROTECTION:			5	Sand and gravel . Slow flow. Heavy willow and grass, constricting flow and growing into bridge. Flow is at and along A1 approach before turning into and under structure.				
1.	Channel Scour/Erosion	G						
2.	Channel Protection	F						
3.	Vegetation	P						
4.	Waterway Obstructions/Drift	F						
5.	Observed Lateral Movement	G						
6.	Aggradation/Degradation	4.3	Height (feet) from thalweg to bottom of lowest superstructure member					
62. CULVERTS			N					
*1.	Shape	-						
*2.	Seams or Joints	-						
*3.	Material Condition	-						
*4.	Headwall/Wingwall	-						
*5.	Foundations	-						
APPROACH CONDITION:			G	Native dirt with rutting and potholes. Located in campground with narrow overgrown roads. 2" hole in approach centerline at A1				
1.	Surfacing	F						
2.	Shoulder Embankment	G						
3.	Roadway Embankment	G						
4.	Approach Settlement	F						
APPRAISAL CODES and REMARKS								
36. TRAFFIC SAFETY FEATURES:			36A	0	36B	0	36C	0
CONDITION of elements	A.	Bridge Railing	-	Timber curb, weathering but in fair condition, connections not strong. Markers are undersized.				
	B.	Rail Transitions	-					
	C.	Approach Guardrails	-					
	D.	Approach Rail Ends	-					
	1.	Signing	-					
	2.	Object Markers	P					
72. APPROACH ROADWAY ALIGNMENT:			8	Slight curve. Flat.				
1.	Horizontal	G						
2.	Vertical	G						
29. ROAD ADT			30					
67. STRUCTURAL EVALUATION			3					
68. DECK GEOMETRY:			3					
69. UNDERCLEARANCE:			N					
71. WATERWAY ADEQUACY:			7					
113. SCOUR CRITICAL BRIDGES:			2	High, see associated tab.				

* Only these items are used in the determination of the overall condition rating for that category, i.e. Deck, Superstructure, Substructure. Other items should be rated and remarked on but NOT included in determining the overall category rating. Items enumerated using a C (ex. C1) should be commented on but not rated. See the FHWA Coding Guide for further information as to what is included in condition ratings.

CONDITION RATING OF EACH MEMBER OR ELEMENT

-	-NOT APPLICABLE
NOB	-APPLICABLE, BUT NO OBSERVED. (Give reason unless obvious)
G = GOOD	-ELEMENT IN NEW OR GOOD CONDITION WITH NO REPAIRS NECESSARY.
F = FAIR	-ELEMENT IS STILL PERFORMING THE FUNCTION FOR WHICH IT WAS INTENDED BUT MAY NEED MAINTENANCE.
P = POOR	-ELEMENT IS PERFORMING AT REDUCED CAPACITY.
C = CRITICAL	-ELEMENT IS NOT PERFORMING THE FUNCTION FOR WHICH IT WAS INTENDED

Structure Name: KINGSTON CAMPGROUND			Date: 9/26/2024		
Route: 43136		Milepost: 0.1000		Structure No.: 041703000001091	
RECOMMENDED WORK ITEMS					
Work Item Code	Work Item Category	Work Item	Detailed Work Item Description	Unit	Quantity
1005	Whole Bridge	Replace Bridge	Replace with squash culvert	SF	100
#N/A				#N/A	1
#N/A	-	-		#N/A	
#N/A				#N/A	300
#N/A				#N/A	2
#N/A	-	-		#N/A	xxx
#N/A	-	-		#N/A	xxx
#N/A	-	-		#N/A	xxx
#N/A	-	-		#N/A	xxx
#N/A	-	-		#N/A	xxx
#N/A	-	-		#N/A	xxx
#N/A	-	-		#N/A	xxx
#N/A	-	-		#N/A	xxx
#N/A	-	-		#N/A	xxx
#N/A	-	-		#N/A	xxx
#N/A	-	-		#N/A	xxx

Structure Name:	KINGSTON CAMPGROUND		Date:	9/26/2024
Route:	43136	Milepost:	0.1000	Structure No: 041703000001091

BRIDGE PHOTOS



Approach A-1



Approach A-2

Structure Name:	KINGSTON CAMPGROUND		Date:	9/26/2024
Route:	43136	Milepost:	0.1000	Structure No: 041703000001091

BRIDGE PHOTOS - cont.



Upstream Elevation



Downstream Elevation

Structure Name:	KINGSTON CAMPGROUND		Date:	9/26/2024
Route:	43136	Milepost:	0.1000	Structure No: 041703000001091

BRIDGE PHOTOS - cont.



Abutment 1 Elevation



Abutment 2 Elevation

Structure Name:	KINGSTON CAMPGROUND		Date:	9/26/2024
Route:	43136	Milepost:	0.1000	Structure No: 041703000001091

BRIDGE PHOTOS - cont.



Upstream Channel



Downstream Channel

Structure Name:	KINGSTON CAMPGROUND	Date:	9/26/2024
Route:	43136	Milepost:	0.1000
		Structure No:	041703000001091

BRIDGE PHOTOS - cont.



Flow through A1 wingwall downstream

4.3

Height (feet) from thalweg to bottom of lowest superstructure member

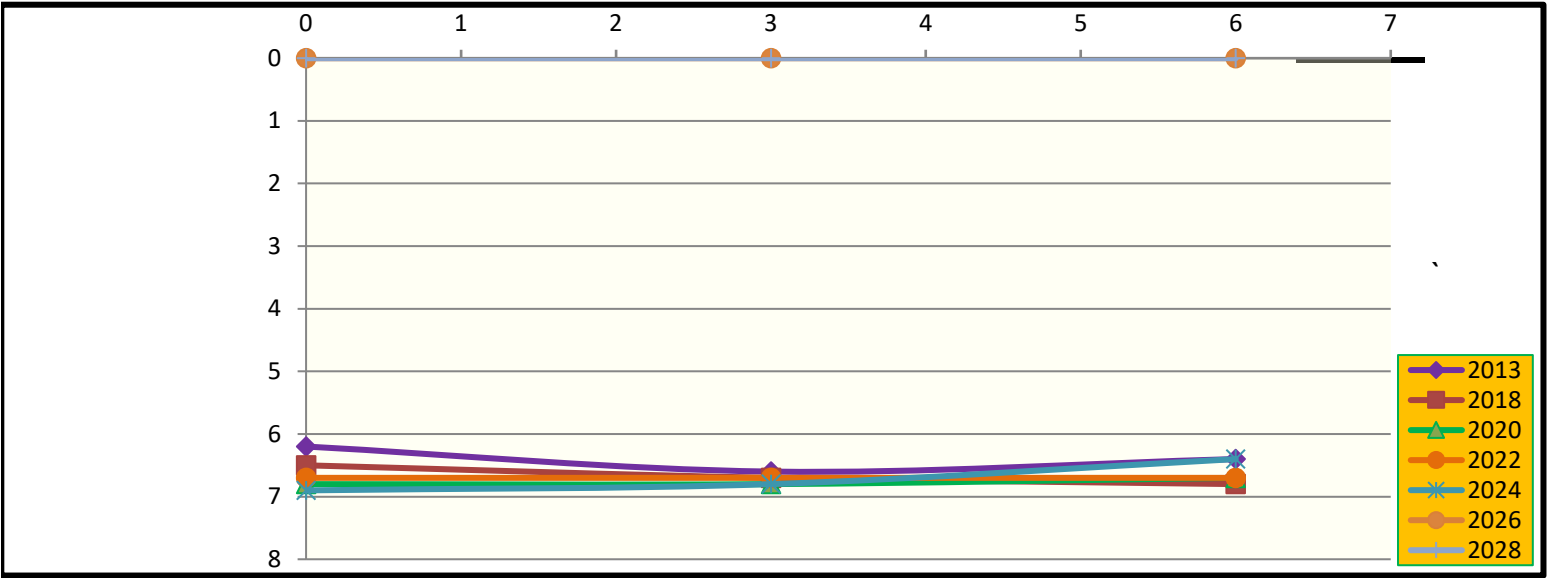
Input Cross-Section Data:

Horizontal Dist Measured from A-1	Distance Measured from Top of Curb U.S Side @ Each Rail Post						
	2013	2018	2020	2022	2024	2026	2028
0	6.2	6.5	6.8	6.7	6.9	0	0
3	6.6	6.7	6.8	6.7	6.8	0	0
6	6.4	6.8	6.7	6.7	6.4	0	0
Water Surface	5.8	5.9	6.2	6.3	5		

Channel Cross Section

(Substructure elements can be inserted in the cross-section using Insert, Shapes)

Top of Curb



Structure Name:	KINGSTON CAMPGROUND			Date:	9/26/2024		
Route:	43136	Milepost:	0.1000	Structure No:	041703000001091		

Scour Critical Coding, Item 113 Field Evaluation Guide								
Vertical Wall Abutments Not on Piles or Bedrock	Parameters						Codings	
Scour Scenarios	Is Footing Exposed ?	Is Channel Constriction greater than 10%?	Is Stream Laterally or Vertically Unstable?	Is Flow Attacking?	Bank Erosion	Other factors	Scour Vulnerability	Scour Critical Code
Ideal field conditions. No active scour or stream stability issues	no	no	no	no	none	none	Low	5
Footing Exposed Only	yes	no	no	no	none	none	Moderate	4
Footing Undermined (evaluate severity, substrate)	yes (undermined)	no	no	no	none	Fill in	Moderate or High	4 or 2
Footing Exposed Plus Constriction, Unstable or Attacking (evaluate severity, substrate)	yes	Flow attacking A1 wingwall then A2 entire length, bridge not aligned to channel well, vertical cutting and extreme constriction					Moderate or High	4 or 2
Bridge Constricts Channel > 10%	no	yes	no	no	none	none	Moderate	4
Bridge Constricts Channel > 10% plus Unstable or Attacking (evaluate severity, substrate)	no	yes	Fill In				Moderate or High	4 or 2
Bridge on Unstable Channel with riprap in good condition, size and quantity.	no	no	yes	no	no	none	Moderate/Low	5
Bridge on Unstable Channel with bank erosion and/or damaged riprap protection	no	no	yes	no	yes	Fill in	Moderate or High	4 or 2
Designed countermeasures installed, stable and performing well.	no	Fill in			no	Fill in	Low or Moderate	7
Severe scour, abutment failing	yes (undermined)	Fill in					High	1 or 0
None of the above, Needs further review	Fill In						Not Determined	6