

Approved  
**ORNL WORK PLAN**  
 Operations, Maintenance and Services  
 Work Plan Name / Rev: BRDG INSP / 0  
 Expiration Date: 3/3/2028



WORK SCOPE/DESCRIPTION		
Requester (Name/Badge/Division):	Lower, Mark / 00032815 / X089	
Location of work (Bldg/Rm/Other):	/ / various locations	
Work Plan Title:	ORNL Bridge Inspection	
Description of Service/Work Needed: Inspection of ORNL bridges, culverts and walkways		
Charge Number, if required:	3X86BRDG	
Work Plan Grade/Worktype:	2 / 0	
Author (Name/Badge):	Lower, Mark / 00032815	
File Attachments:		
INSTRUCTIONS		
Prerequisites/Precautions: Conduct a job specific pre-job safety review prior to beginning work. Contact radiological protection operations support for inspections involving radiological work. Check the area and clear it of hazards prior to beginning work. Choose the safest entry and exit point around structure. Work slowly, make sure of footing working around structures, on steep banks, and while wading in water. Keep vigilant for hidden rocks, sticks, vines & other objects that could cause a trip/fall/slip. Be aware of unstable banks & footing. Wading will be done when creek is at low flow.		
Directions: Perform visual "hands-on" inspection including removal of dirt/debris for access to surfaces, taking measurements, and assess structure surfaces. Other inspection methods may also be necessary including hammer sounding to detect areas of unsound concrete or removal of corrosion to measure sound metal.		
Post Work Testing: None		
Closeout: Clean tools and equipment, provide assessment results for inspection reports. Manage waste accordingly.		
JOB HAZARD EVALUATION		
HAZARDS	PERMITS / CONTROLS	
Radiological Work: Radiological work will be included for bridges associated with White Oak Creek bridges from 3rd Street to Highway 95	<ul style="list-style-type: none"> <li>┆ <a href="#">Radiological Work Permit</a> (Enter RWP no.): RWP will be developed for inspection activities that have the potential to encounter contamination with these bridges and culverts.</li> <li>┆ Follow radiological posting, entry control &amp; egress requirements: RCT will provide support during inspections and will communicate any changes in radiological conditions.</li> <li>┆ Managing Waste: Any PPE and other radiological waste must be managed appropriately.</li> </ul>	
Elevated Work	<ul style="list-style-type: none"> <li>┆ <a href="#">Inspecting Ladders</a> Guide [Step &amp; Fixed]</li> <li>┆ <a href="#">Obtain Training</a> - Fixed &gt;10 feet; portable &gt;3 feet</li> </ul>	
DOCUMENTATION REVIEW AUTHORIZATION (Approvals are certification of hazards assessment)		
Reviewer/Approver Roles	Signature	Date
Accountable Management (Service Provider, Line, Equipment Owner, or Facility Management)	Pierce, Michael	3/3/2023
Radiation Protection	O'Dell, Roger	3/1/2023

Review Team Member	Weaver, Aaron J	3/2/2023
System Engineer, Accountable Equipment Owner, or Facility Engineer	Powell, Matt	3/3/2023
Task Leader	Lower, Mark	3/1/2023
Work Package Concurrence		
Facility Manager		
Operations Supervisor		
Facility Manager Approval To Start Work		
Facility Manager		
Work Start Authorization		
Task Leader		
Work Acknowledged Complete		
Task Leader		
Worker Feedback:		

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## PRE-JOB SAFETY REVIEW GUIDE

ID: 59569

**Scope of Work:** Review work package/plan to ensure all participants understand the work activity.

**Hazards:** Review the hazards identified in Job Hazard Evaluation (JHE) / work plan (IOP).

- € Since the work package / plan was written: 1) Have conditions changed? 2) Are there new hazards? Refer to Field Notes and Focus Areas.

**Hazard Controls / Permits:** Review:

- € Written permits for the work activity.
- € Precautions, step warnings, Hold Points ...
- € Personal Protective Equipment (PPE)
- € Work instructions for information - e.g., steps where hazards are introduced.
- € ORNL subject area requirements - e.g., non-permit hazard controls.

**Performing Work:**

- € Discuss group/individual responsibilities for safe & effective work.
- € Follow work instructions & safety procedures.
- € Availability/location of materials, tools, etc.
- € Any previous experiences / lessons learned?
- € Response if work cannot be performed as planned.
- € What is the worst thing that could happen?
- € Are there *Potential error traps* with the job? → →
- € Take a minute before: work start & leaving work area.
- € Work Hand-off / Turnover - workers & Task Leader

→ **Potential Error Traps:**

- € Time pressures
- € Distractive environment
- € High workload
- € First time evolution
- € First day back
- € Vague guidance
- € Over confidence
- € Imprecise communications
- € Work stress

**Abnormal Situation Response:**

- 1 Stop Work: Observe an unsafe act, activity or condition that creates an imminent danger.
- 1 Emergency Response: Discuss egress paths or other responses if problems are encountered.

**Field Notes and Focus Areas:** (Use this area as a work space to record notes related to new hazards identified in the field or changed conditions. Record feedback in work package/plan information systems.)

*By signing below, I am indicating that I have been briefed on the potential hazards associated with completing this job.*

Signature / Badge	Date	Signature / Badge	Date