U.S. Department of Agriculture		1. WORK PROJECT/ACTIVITY		2. LOCATION	3. UNIT	
Forest Service					All Units of the	
		Trail Bridge Inspection		George Washington and	George	
JOB HAZARD ANALYSIS (JHA)		5 1		Jefferson National Forests	George	
(Instructions on Reverse					vvasnington and	
(Instructions on Reverse)					Jefferson	
					National Forests	
JOB HAZARD ANALYSIS (JHA)		4. NAME(S) OF ANALYST(S)		5. JOB TITLE	6. DATE PREPARED	
		Tyler Beach		Trail Bridge Engineer (A.T.)	2024-03-07	
Required Standards and General	·					
Notes:	I lond hot long a set		- 4 f f	terre and terre at the Mittan and the		
Equipment	Hard hat, long pants	, long shirt, eye protection, gloves,	sturay 100	twear, high visibility vest		
Tools and Equipment	Fall protection - if ne	eded,				
Available Training	Trail Bridge Inspection	on Training				
			1			
7. TASKS/PROCEDURES		8. HAZARDS, POTENTIAL HAZARDS / INJURY SOURCE		9. ABATEMENT ACTIONS OR PROCEDURES Engineering Controls * Substitution * Administrative Controls * PPE		
General Travel To/From Bridge	Location &	General Precautions	• We	ar proper safety equipment and protective	/e clothing (hard hat,	
Inspection Work			glo	gloves, goggles, long sleeved shirts, pants)		
		•		Wear sturdy footwear.		
		● F		Follow unit-specific Check-In and Check-Out procedures.		
		Working Alone/				
		Communications	<ul> <li>Maintain contact with dispatch throughout the work day.</li> </ul>			
			<ul> <li>Do not conduct inspections alone on a bridge over swift or deep water (Sec. 27.61 C(1)).</li> </ul>			
			<ul> <li>Do not conduct inspections alone on a bridge that requires</li> </ul>			
				nbing		
			• Do not conduct inspections alone when working in remote areas.			
		•		<ul> <li>Radios/cell phones/SPOTs should be charged, maintained, and</li> </ul>		
				ried into the field.		
		Walking Surfaces	• Wa	tch for frosted, wet, uneven, or cracked	surfaces.	
			• We	ear proper footwear.		
		Wading In Streams	• We	ear hip boots or waders in water.		
		and Waterways     Be attentive to your surroundings at all times.		s.		
		• [	<ul> <li>Do not enter streams where there is a chance of being overcome</li> </ul>			
			bv	the strength of the current.		
		• W		Walk slowly, ensure stable footing.		
				<ul> <li>Use a "walking stick" as needed to help steady self.</li> </ul>		
				t soled boot may be purchased as PPE I	because they are less	
			elir	perv than rubber soled boots		
				not conduct inspections alone on a bride	ne over swift or deep	
				water (Sec. 27.61 C(1))		
Train Druge Inspect           7. TASKS/PROCEDURES           General Travel To/From Bridge Location & Inspection Work		8. HAZARDS,         POTENTIAL HAZARDS /         INJURY SOURCE         General Precautions         Working Alone/         Communications         Walking Surfaces         Wading In Streams and Waterways	<ul> <li>We glo</li> <li>We</li> <li>Fol</li> <li>Go</li> <li>Ma</li> <li>Do</li> <li>wa</li> <li>Do</li> <li>clir</li> <li>Do</li> <li>clir</li> <li>Do</li> <li>clir</li> <li>Do</li> <li>Ra</li> <li>car</li> <li>We</li> <li>We</li> <li>Be</li> <li>Do</li> <li>by</li> <li>Wa</li> <li>Us</li> <li>Fe</li> <li>slip</li> <li>Do</li> </ul>	<ul> <li>9. ABATEMENT ACTIONS OR PROCEDURES Engineering Controls * Substitution * Administrative Controls * PPE</li> <li>Wear proper safety equipment and protective clothing (hard hat, gloves, goggles, long sleeved shirts, pants)</li> <li>Wear sturdy footwear.</li> <li>Follow unit-specific Check-In and Check-Out procedures.</li> <li>Go in and out of service with dispatch.</li> <li>Maintain contact with dispatch throughout the work day.</li> <li>Do not conduct inspections alone on a bridge over swift or deep water (Sec. 27.61 C(1)).</li> <li>Do not conduct inspections alone on a bridge that requires climbing.</li> <li>Do not conduct inspections alone when working in remote areas.</li> <li>Radios/cell phones/SPOTs should be charged, maintained, and carried into the field.</li> <li>Wear hip boots or waders in water.</li> <li>Be attentive to your surroundings at all times.</li> <li>Do not enter streams where there is a chance of being overcome by the strength of the current.</li> <li>Walk slowly, ensure stable footing.</li> <li>Use a "walking stick" as needed to help steady self.</li> <li>Felt soled boot may be purchased as PPE because they are less slippery than rubber soled boots.</li> <li>Do not conduct inspections alone on a bridge over swift or deep water (Sec. 27.61 C(1)).</li> </ul>		

	Climbing Steep and Muddy Banks	<ul> <li>Have proper footing before climbing on banks.</li> <li>Watch for slippery, muddy, or wet banks and holes.</li> </ul>
	Using Inspection Equipment	<ul> <li>Use caution when probing timber members with sharp pointed tools or sounding tim<u>b</u>ers and concrete with hammers.</li> </ul>
	Carrying Equipment	<ul> <li>Do not overload yourself.</li> <li>Make two trips if necessary.</li> <li>Use proper lifting and carrying techniques.</li> </ul>
	Lifting	Learn and promote the use of proper lifting techniques to prevent back strains.
	Remote Areas	<ul> <li>Ensure radio, SPOT, and/or cell phone contact is maintained with dispatch throughout the work day.</li> <li>Radios/cell phones/SPOTs should be charged, maintained, and carried into the field.</li> </ul>
	Traffic	<ul> <li>Wear a high visibility vest.</li> <li>Stay alert.</li> <li>Listen and look for traffic on trails and roads.</li> </ul>
	Falls	<ul> <li>Do not take unnecessary risks.</li> <li>Maintain balance while on bridges and steep slopes.</li> <li>Use fall protection when required.</li> </ul>
Environmental Risks	Weather	<ul> <li>Check forecast before heading into the field.</li> <li>Be alert to rapidly changing and dangerous weather situations such as windstorm, flash flooding, and lightening.</li> <li>Seek protection as needed.</li> </ul>
	Sunburn	<ul> <li>Wear long sleeves.</li> <li>Wear hard-hat with visor.</li> <li>Use sunscreen.</li> </ul>
	Hot and/or Humid Weather	<ul> <li>Know signs of heat exhaustion and heat stroke.</li> <li>Wear clothing suited for hot and/or humid weather and environment, layer clothing as needed.</li> <li>Take frequent breaks to cool down.</li> <li>Bring plenty of water and electrolytes (stay hydrated).</li> </ul>
	Cold Weather	<ul> <li>Know signs of hypothermia and frostbite.</li> <li>Wear clothing suited for cold weather and environment, layer clothing as needed.</li> <li>Take frequent breaks to warm up.</li> <li>Bring plenty of water and electrolytes (stay hydrated)</li> </ul>
Biological	Bears	<ul> <li>Be aware of the potential presence of a black bear.</li> <li>If encountered, back up and stay a safe distance away.</li> </ul>
	Venomous Snakes	<ul> <li>Use extra caution in areas where venomous snakes are known to be present.</li> <li>Look before placing hands or limbs in cracks, cervices, or areas where you cannot see.</li> </ul>

	Bee Stings, Spider Bites, Insect Bites	<ul> <li>Do not provoke or handle snakes.</li> <li>Wear snake gators if preferred.</li> <li>If allergic, inform supervisor and other members of inspection team of allergies, and carry medicine.</li> <li>Wear long sleeves and pants.</li> <li>Avoid scented lotions, colognes, perfumes, etc.</li> <li>Use insect repellant.</li> <li>Treat stings and bites immediately.</li> <li>Check for ticks upon returning to the office and in the evening.</li> <li>If work cannot be done because of bees, spiders, or other insects, leave work site and come back at a later date when they <u>a</u>'re not present</li> </ul>
	Poisonous Plants	<ul> <li>Wear long sleeve shirt and pants.</li> <li>Be able to identify poisonous plants and avoid them.</li> </ul>
Chemical	Treated Wood	Wear gloves, goggles, long sleeve shirt, and pants when working around treated wood.
10. OFFICIAL SIGNATURE	11. TITLE	12. DATE
Previous edition is obsolete	(over)	

Emergency Evacuation Instructions (Reference FSH 6709.11)				
Work supervisors and crew members are responsible for developing and discussing field emergency evacuation procedures (EEP) and alternatives in the event a person(s) becomes seriously ill or injured at the worksite. Be prepared to provide the following information:				
a. Nature of the accident or injury (avoid using victim's name).				
<ul> <li>b. Type of assistance needed, if any (ground, air, or water evacuation).</li> <li>c. Location of accident or injury, best access route into the worksite (road name/number), identifiable ground/air landmarks.</li> <li>d. Radio frequencies.</li> <li>e. Contact person.</li> </ul>				
<ul><li>f. Local hazards to ground vehicles or aviation.</li><li>g. Weather conditions (wind speed &amp; direction, visibility, temperature).</li></ul>				
h. Topography.				
j. Estimated weight of individuals for air/water evacuation.				
The items listed above serve only as guidelines for the development of emergency				
evacuation procedures.				
JHA and Emergency Evacuation Procedures Acknowledgment We, the undersigned work leader and crew members, acknowledge participation in the development of this JHA (as applicable) and accompanying emergency evacuation procedures. We have thoroughly discussed and understand the provisions of each of these documents:				
SIGNATURE DATE SIGNATURE DATE				