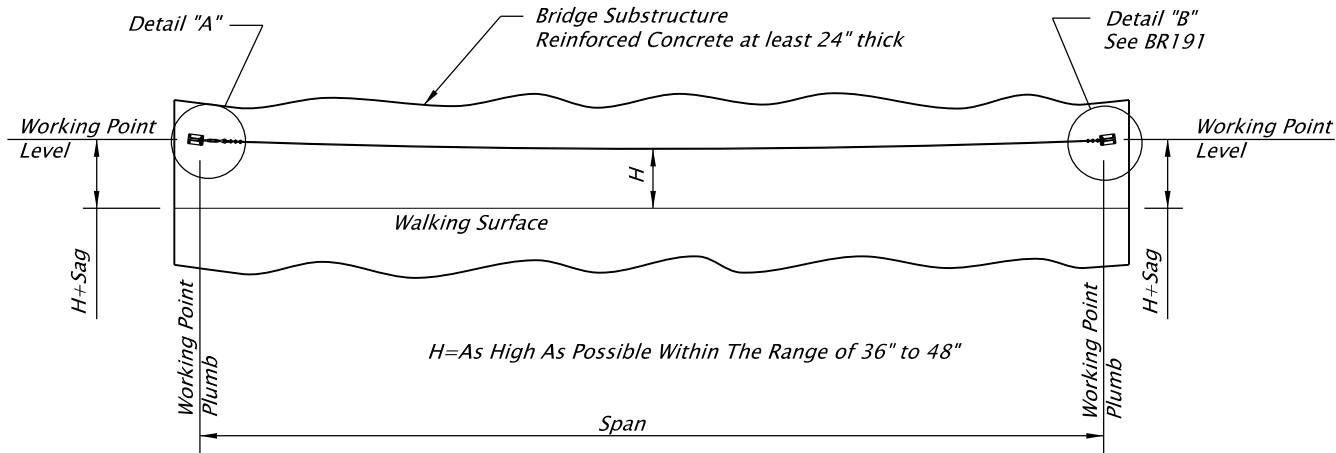
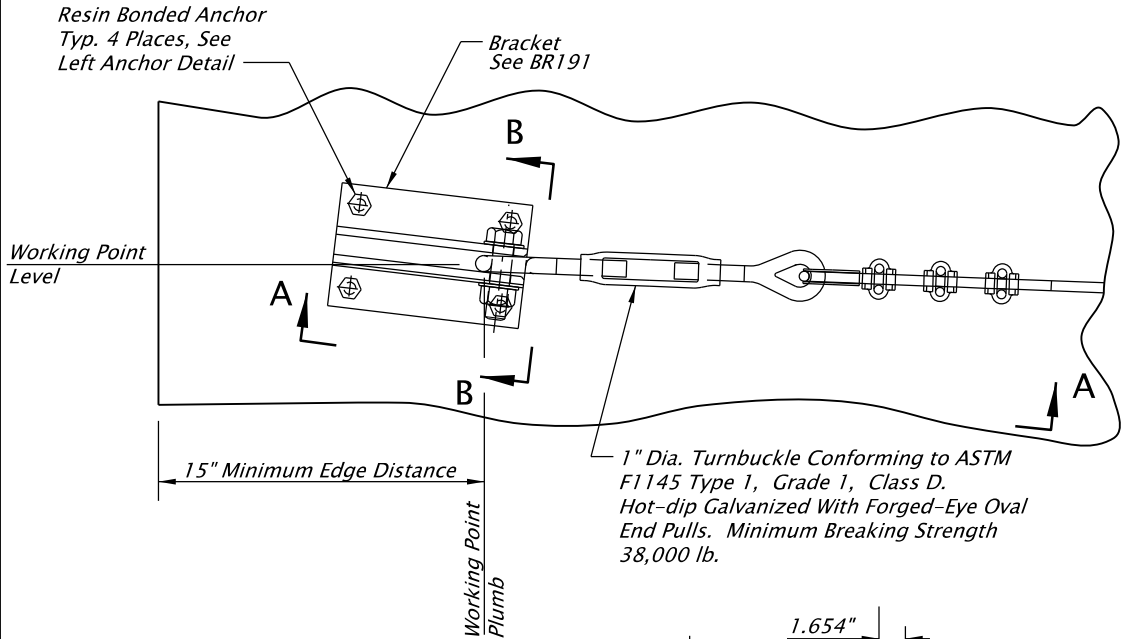


06-JULY-2018

BR190.dgn



Elevation



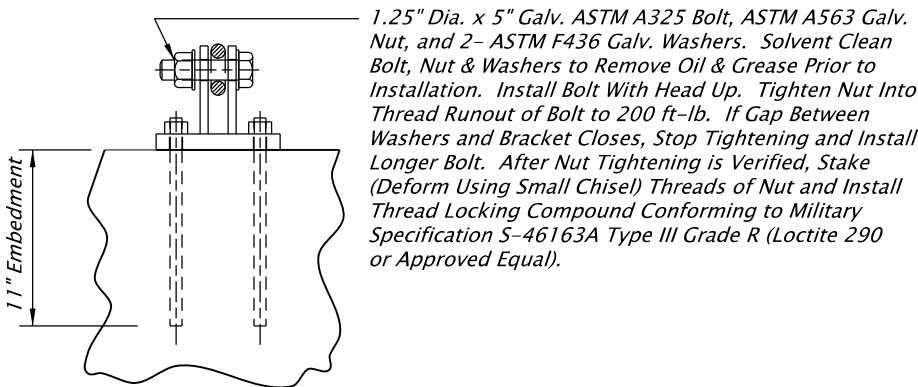
Detail "A"

Note: Use Dimensions Shown to Create Drilling Template

Provide 3/4" Dia. x 13" long Galv. Resin Bonded Anchors Conforming to ASTM F1554 Grade 105 or ASTM A449. Provide 11" embedment and use High Strength Resin from the QPL. Provide Galv. ASTM A563 Heavy Hex Nut and Galv. ASTM F436 Washer at Each Anchor. Solvent Clean Anchors, Nuts & Washers to Remove Oil & Grease Prior to Installation. After Nut Tightening is Verified, Stake (Deform Using Small Chisel) Threads of Nut and Install Thread Locking Compound Conforming to Military Specification S-46163A Type III Grade R (Loctite 290 or Approved Equal).

Left Anchor Detail

Left Hand Shown, Right Hand Opposite



View B-B

Span (Ft)	Install Within Specified Sag Range For Span and Installation Temperature					
	Sag @50°F (In)	Sag @60°F (In)	Sag @70°F (In)	Sag @80°F (In)	Sag @90°F (In)	Sag @100°F (In)
80 (Max.)	6.8 – 8.8	7.2 – 9.2	8.0 – 10.0	8.5 – 10.5	9.3 – 11.3	9.8 – 11.8
70	5.5 – 7.5	6.2 – 8.2	6.9 – 8.9	7.4 – 9.4	8.1 – 10.1	8.3 – 10.3
60	4.9 – 6.9	5.0 – 7.0	5.8 – 7.8	6.3 – 8.3	6.6 – 8.6	7.1 – 9.1
50	3.7 – 5.7	4.3 – 6.3	4.6 – 6.6	4.9 – 6.9	5.4 – 7.4	5.8 – 7.8
40	2.9 – 4.9	3.2 – 5.2	3.5 – 5.5	3.9 – 5.9	4.1 – 6.1	4.4 – 6.4
30	1.7 – 3.7	2.0 – 4.0	2.4 – 4.4	2.7 – 4.7	2.9 – 4.9	3.1 – 5.1

GENERAL NOTES

Comply with Oregon Standard Specifications for Construction 2015. Install all hardware in accordance with manufacturer's instructions.

Maximum allowable span is 80 feet. Lifeline may be installed on reinforced concrete bridge substructures at least 24" thick, where there is at least 12 feet of unobstructed clearance below the working surface. DO NOT install on structures within 3 miles of the Pacific Ocean.

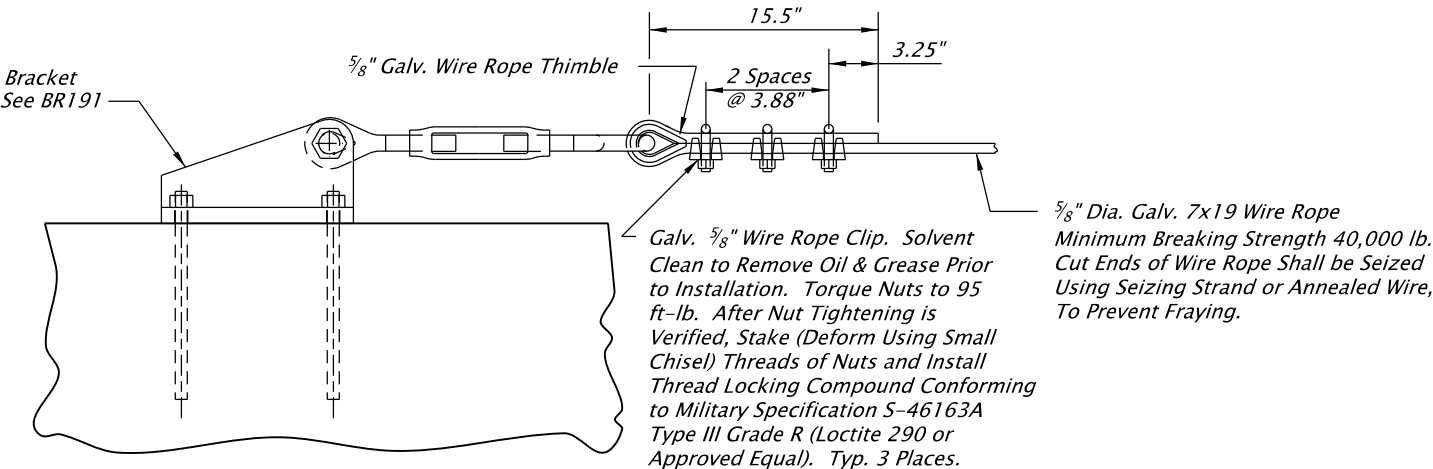
For all installations, provide structure number, pier/bent/abutment numbers, lifeline length(s), and date of installation to ODOT Bridge Section MS#4, C/O Bridge Preservation Manager, 4040 Fairview Industrial Dr. SE, Salem, OR 97302-1142, Phone #503-986-3318.

The public shall be positively excluded from area of lifeline by fencing unless access is prevented by bridge configuration.

Lifeline is designed for two workers using shock-absorbing lanyards complying with CFR 1926.502 (d) (16) (ii).

Prior to each use, both ends of lifeline shall be inspected for wear, damage and other deterioration including corrosion, vandalism, or tampering. Defective components shall be replaced with new components prior to use of the lifeline.

After any fall is arrested by the lifeline, take the lifeline system out of service and do not return to service until all components have been inspected by a competent person as defined in CFR 1926.32(f), and either determined to be undamaged and suitable for reuse or replaced with new components. "Suitable for reuse" means no indication of damage, wear, distortion, stretch, slippage, loosening of fasteners, or permanent deflection.



View A-A

Accompanied by dwg. BR191

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.			
OREGON STANDARD DRAWINGS			
HORIZONTAL FALL ARREST LIFELINE INSTALLATION			
2024			
DATE	REVISION DESCRIPTION		
-	-		
CALC. BOOK NO.	N/A	SDR DATE	20-APR-2018
BR190			

Effective Date: June 1, 2026 – November 30, 2026