



LIFE-SAVING ACTIONS POLICY

Horizontal Lifelines and TSCD Anchorage Point Inspection

Kiewit Bridge and Marine		
Position	Name	Ownership Date
Operations Manager	Donald Beck	22-Mar-2024
Superintendent	Trevor Burwell	22-Mar-2024
Engineer	Emily Reid	22-Mar-2024
Engineer	Reese Johnson	22-Mar-2024

Revision Summary Change		
Rev	Revision Date	Change Description
A	6-Jun-2024	Issued for Review
B	26-Jul-2024	Issued for Final KBM DSM Review
01	3-Oct-2024	Issued for Use



NOTE: Revision history will be an alpha revision Rev. A, B, etc., until “Issued for Use”. At that point it will be issued with a two-digit numeric revision Rev. 01, 02, etc.



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1.0 PURPOSE

This procedure defines a process for the proper inspection of horizontal lifelines and other TSCD anchorage points.

2.0 SCOPE

This procedure establishes performance criteria for inspection of all lifelines and other TSCD anchorage points utilized by all employees of Kiewit Corporation, or subsidiary companies, as well as any subcontractors, vendors, consultants, or other third parties employed by and contracted to Kiewit Corporation and/or subsidiaries.

3.0 INSPECTION

- 3.1 Determine the inspector(s) who will be utilizing Fall Protection and Fall Protection Systems of the Corporate Temporary Structures and Construction Devices Manual. If the designer has assigned a Delegate, they must do so in writing.
- 3.2 Build the horizontal lifelines/ TSCD anchorage point with crews following the requirements in the engineered drawings. The foreman shall inspect the work as it is being performed. The crew will place red tags on the system until it is complete and inspected.
- 3.3 An initial inspection will be performed by the Superintendent or Experienced District Personnel.
- 3.4 The HLL will be inspected by the Designated Inspector per the TSCD matrix who will attach a green tag to both ends of the HLL or TSCD anchorage points.





4.0 INSPECTION CHECKLIST

4.1 An inspection checklist will be developed for all inspections to verify that all components of the system are in place and meet the requirements as part of the TSCD.

4.2 *The following checklist is an EXAMPLE used on a past project. Adapt as necessary*

[HLL TSCD Inspection Example](#)



HORIZONTAL LIFELINE INSPECTION

OCTOBER 2024



Kiewit

I-15 Virgin River Bridge #1

Littlefield, AZ

TSCD INSPECTION - HLL

PREPARED BY: VH

SHEET: 1 / 1

	Supt.	Designer/ Delegate	LOCATION: Top of Girder	REPAIR		Date:	Time:
				REQ.	OK		
			CRITERIA	NOTES			
Post Installation			Post has 2EA 3/4" Bolts				
			Bolt has 2EA flat washers. One next to the head, one next to the nut				
			Welds are checked from the 1/4" gussett to the post				
			Welds are checked from the baseplate to the post				
			13/16" Holes are drilled at 8 1/2"				
			Intermediate post has hole that fits the intermediate bracket				
Post Fab			Stanchion post is HSS4.5x4.5x3/16 Min				
			Vent hole is drilled in Post				
			Post is 7FT tall				
			Tieoff Plate is PL5/8"				
			Post has welded plate washer				
Cable Installation - Main			From post - Shackle, shackle, zorbit, shackle, turnbuckle, shackle, thimble, clip				
			Nut on turnbuckle is tightened				
			Zorbit is on both ends				
			Intermediate bracket has flat round washer and nyloc nut				
			Cable sag is 6" or less				
Pole Brace			Pole brace is D5 B1/B6				
			Pole brace has 12" max extension				
			Pole brace has plate washer on the back side of the stanchion post				
			Hitch pins are installed at hole 2 or 3 from the end				
			Pole brace shall be 11'-8 3/4" from stanchion holes and 2 1/2" from centerline				
			Tighten bolt to snug tight using the impact and crescent wrench				
Cable Installation - Int			Cable sag is 16" minimum				
			Shackle, thimble, wire rope, clip, clip				
			Crosby clips are torqued to 45 ft-lbs				
			Second crosby clip is 7" from tip of thimble				
Int. Bracket			Intermediate bracket has flat round washer installed on back side of post				
			HLL Bracket is installed with the tab flush on top				
			Nyloc washer is used on bolt				

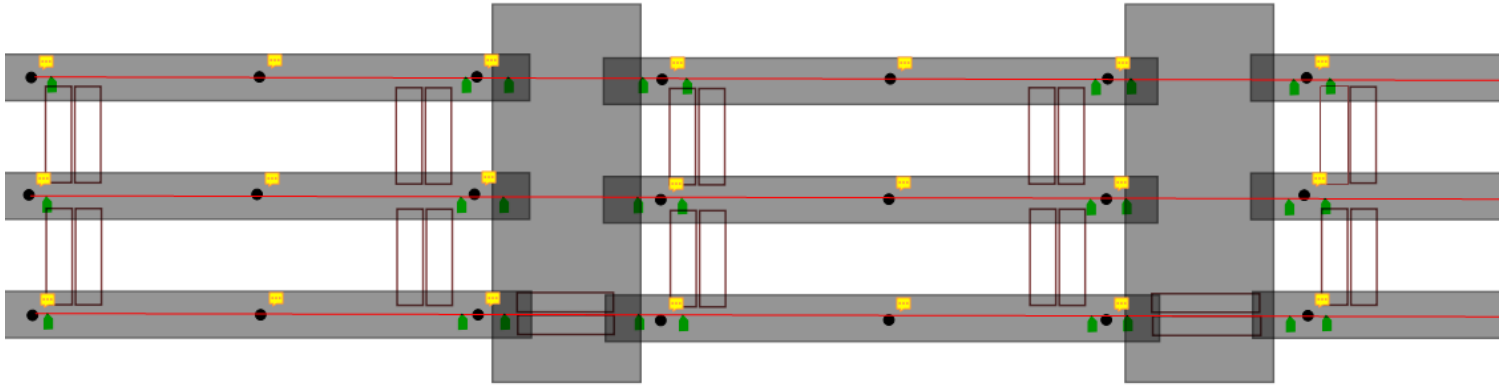
ADDITIONAL NOTES:

SUPERINTENDENT / OTHER: _____ DATE: _____
 DESIGNER / DES. DELEGATE: _____ DATE: _____

Inspection checklist template shall be used as a starting point only and should be adjusted as needed to address specific design requirements
ALWAYS HAVE THE DESIGN DRAWINGS PRESENT DURING AN INSPECTION!

5.0 PLACEMENT OF TAGS

5.1 Tags must be placed at the intervals shown below:



It does not matter if they are green or red, this is the expected layout for our tags. Each section of the system has tags on both ends so it is easier to tell the system is complete when you are a hundred plus feet away or looking from the ground.

