

Appendix K. Bridge Scaffolding Drawings

The Department has developed a bridge scaffolding system that can be suspended from bridge stringers. It is easy to transport, set-up, and operate. Because it hangs from the bridge, there is no need to enter the stream channel or disturb the streambanks. The decking is hung below the stringers and can be adjusted to accommodate stringers of varying heights. The scaffold decking is attached to both the inside and outside of the stringers, allowing workers to access on both sides. While on the scaffolding, workers are secured to an overhead skyline via a full arrest body harness, arbor-plex climbing rope, and locking carabineer. The scaffolding is designed to roll across the top of the stringers and is highly mobile.

Below are links to working drawings and photos for the fabrication and assembly of the scaffolding. Although this scaffolding design has been safely used on many bridge projects over the past two decades, the attached plans have not been certified and stamped by a licensed structural engineer. These drawings are provided as an example of bridge scaffolding. Prior to using this scaffolding design, obtain approval from management.

- [Bridge Scaffolding Drawing 1](#)
- [Bridge Scaffolding Drawing 2](#)
- [Bridge Scaffolding Drawing 3](#)
- [Bridge Scaffolding Materials Checklist](#)
- [Bridge Scaffolding Construction Photographs](#)