

## Monthly Construction Update #2 Phase 2B

<b>To:</b>	City of Merritt	<b>Report Date:</b>	May 10, 2024
<b>Project:</b>	<b>Middlesboro Bridge Replacement - Phase 2B</b>	<b>Site Manager:</b>	Ryan Buick - Site Superintendent
<b>Location:</b>	Middlesboro Bridge, South Approach	<b>Workforce:</b>	8

### Project Overview

Phase 2B of the Middlesboro Bridge Replacement includes the driving of piles on the north and south approaches, construction of the substructure and superstructure of the bridge. Gravel placement, roadway paving, and embankment filling in order to strengthen and solidify the surrounding area. This strategic plan includes installing robust riprap placement to safeguard the physical integrity against future environmental incidents. Subsequently the central pier and old abutments from a bridge that was in place prior to the construction of the original Middlesboro Bridge will be demolished and removed. Furthermore, an in-depth drainage system will be installed, ensuring optimal water management. A multi-use pathway will be constructed for pedestrians crossing the bridge. This addition will serve to enhance the civic infrastructure, providing a safe and accessible route.

### 1. Environmental Update

- 1.1 This Month - No in-stream or environmental related work has taken place.
- 1.2 Next Month - No in-stream or environmental related work planned.

### 2. Heritage Update

- 2.1 This Month - No Cultural Monitors onsite.
- 2.2 Next Month - No Cultural Monitors anticipated to be onsite for current activities.

### 3. Construction Update

- 3.1 This Month - Crane pad constructed on the south approach. Henry drilling mobilized equipment to site, assembled crane, and tracked down to the crane pad. Pile locations were surveyed and pre-drilling for the piles was conducted to a depth of 5 meters. The first section of all 4 south piles has been driven to depth, with the second sections being spliced, welded, and driven to depth. Splicing, welding, and driving the third section of the south piles. Begin stripping preload on the north approach placing material into the embankment. Set rebar cages in south piles and pour concrete
- 3.2 Next Month - Set rebar cages in north piles and pour concrete. Form and pour north and south abutment mud slabs. Formwork for the south abutment, once complete begin formwork on the north abutment. Installing rebar in abutments. First abutment concrete pours.

4. Schedule Update

This Month – Work has been progressing ahead of schedule. The first and second sections of pipe on the south approach have been spliced, welded, and driven.

Upcoming Milestones – Completed pile driving on the south approach 05/16/24, mob piling equipment to north approach, begin predrilling and driving piles 05/17/2024. Concrete pour for south piles tentatively 05/21/24.

5. Project Photos



Figure 1 – Construction of south crane pad



Figure 2 – Welding pile splice



Figure 3 – South Abutment pile driving



Figure 4 – South Abutment pile driving

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