Bridge No. 03071 carries Route 193 over Interstate 395 approximately 1.0 miles north of Route 44 at Mile Post 0.34, in Thompson.

The existing structure, constructed in 1965, is a two-span continuous steel girder bridge with a cast-in-place concrete deck. The bridge measures approximately 49 feet 7 inches wide (out-to-out) and has an overall length of approximately 255 feet. Route 193 carries an Average Daily Traffic (ADT) of about 2,700 vehicles per day. The roadway runs generally east–west and provides two lanes of vehicular traffic, one in each direction.

A safety walk/curb, parapet, and bridge railing are located along both the north and south sides of the structure, and a sidewalk is present on the north side. Metal beam guiderail is present along the shoulders within the project limits.

The purpose and need of this project is to address structural deficiencies of Bridge No. 03071 by rehabilitating the structure. The bridge superstructure and girders are in fair condition, while the collision-related damage is in poor condition. Several girders have flange section loss greater than 5% in critical areas, with a maximum loss of 15%. A collision in June 2023 caused significant localized damage, including an out-of-plumb Girder 1 in Span 1, separation of the top flange from the bridge deck, horizontal cracking between the web and bottom flange, cracked welds at stiffeners, and damage to diaphragms and lateral bracing in the adjacent bay. Bearings exhibit moderate surface rust and heavy pack rust between the plates.

The scope of rehabilitation is to replace the damaged section of the north fascia beam, diaphragm and lateral bracing and reconstruct the non-composite deck slab. Install additional diaphragms and steel strengthening measures to support the reconstruction of non-composite deck slap and new MASH compliant parapet along the north and south sides of the bridge. A sidewalk will also be constructed on the north side of the bridge. Isolated concrete surface repairs and structural steel repairs will be performed. The bridge will receive new asphaltic plug joints, bearings and wearing surface across the entire structure, as well as new Thrie Beam bridge attachments at all four corners.

The proposed work will be completed using single lane alternating one-way traffic for two construction stages on Route 193. Each stage would be controlled with temporary traffic signals. It is anticipated that only shoulder closures for I-395 would be required with a shifting of the lanes away from the work area. Short term closures of lanes on I-395 SB would be anticipated at nighttime for the removal of the existing north fascia girder and for the placement of new north fascia girder within span 1 over I-395 SB.

The removal and reconstruction of the deck and parapets on both sides of the bridge to meet MASH compliance and accommodate a safety fence are included in this project. The bridge cross section will be slightly reconfigured to eliminate the safety curb along the south parapet, and curb heights reduced to 7 inches.

Overhead utilities run along the north side of the roadway and bridge. Aerial utilities along Route 193 will need to be temporarily relocated during construction. No underground utilities are known to exist within the project area.

There are no environmental permits anticipated for this project.

Right-of-Way (ROW) impacts are not anticipated.

Construction is anticipated to begin Summer 2029.