

Section 714. TEMPORARY STRUCTURES AND APPROACHES

714.01 Description. This work consists of the design, construction, maintenance, removal, and disposal of temporary structures. The work for approaches to temporary structures shall include construction, maintenance, removal and disposal.

714.02 Materials. Not specified.

714.03 Construction.

- A. **Location.** Temporary structures and approaches shall be constructed at the location shown on the plans on right-of-way furnished by the Department.

Obstructions to vision shall be cleared from along the temporary roadway as directed by the Engineer. Construction materials, equipment and buildings shall be located to not interfere with clear vision.

- B. **Construction.** Temporary structures shall be designed, constructed, and maintained to carry the legal loads permitted on the highways as provided by the statutes of the State and according to AASHTO *Standard Specifications for Highway Bridges*. The design shall be sealed by a professional Engineer licensed in the State of Michigan and shall be submitted to the Engineer for approval.

The deck surface of the temporary structure shall not vary more than $\frac{1}{4}$ inches under a 10-foot straight edge. The deck surface shall be concrete, asphalt or timber. Any high spots or depressions shall be leveled by a means approved by the Engineer.

Two-way structures shall be provided unless otherwise shown on the plans or authorized.

One-Way Structure. If the temporary structure is to provide for one-way traffic, the clear width of roadway measured between inside faces of curbs at right angles to the centerline of roadway shall not be less than 12 feet and the width inside of bridge railings shall not be less than 13 feet.

Two-Way Structure. If the temporary structure is to provide for two-way traffic, the clear width of roadway measured between inside faces of curbs at right angles to the centerline of roadway shall not be less than 20 feet and the width inside of bridge railings shall not be less than 21 feet.

- C. **Maintenance.** Temporary structures and approaches shall be maintained by the Contractor until the completion of the contract or the opening to traffic of the new structures. The Department will do any necessary snowplowing or ice control work according to subsection 103.06.

Provisions for the guidance and safety of traffic and protection of the work shall be as specified in section 812.

Maintenance of the temporary structures and approaches shall include their replacement in case of partial or complete failure. The Department reserves the right, in case of delay or inadequate progress in making repairs and replacement, to furnish labor, materials and supervision of the work to restore the movement of traffic. Repairs and replacement by the Department shall be at the Contractor's expense.

- D. **Removal and Disposal.** All material used for temporary structures shall become the property of the Contractor and shall be removed from the project site before completion of the contract. Embankment and surface for temporary approaches shall be disposed of as provided in subsection 207.03, except that when such material is needed in the work, it shall be used as shown on the plans or as directed by the Engineer. Piling or other means of support shall be removed as specified in subsection 706.03.O.

714.04 Measurement and Payment.

Contract Item (Pay Item)	Pay Unit
Structures, Temp	Lump Sum
Structures, Temp, Rem	Lump Sum

Structures, Temp will be grouped and measured as a unit and includes the design, construction, and maintenance of the temporary structures.

Structures, Temp, Rem includes the removal and disposal of the temporary structures.

Approaches to temporary structures shall include all applicable items in the itemized bid. Each item will be measured for payment in the manner prescribed in the several items involved. The approaches will be paid for at the contract unit prices for applicable items in the itemized bid. These prices shall be considered payment for construction and maintenance of the approaches.

Removal and disposal of temporary approaches will be measured and paid for as specified in subsection 207.04, unless otherwise provided.