

B918- MODULAR BRIDGES FOR TEMPORARY INSTALLATIONS (As specified in OPSS 918 November 2026)

918.1 GENERAL

The use of Modular Bridge Structures permits the possible use of other than 'Bailey Bridges'.

The restrictions to temporary installations permit general exceptions to the CSA S6 that are acceptable, as the specification does not apply to permanent structures. It can be made to apply to longer term installations by the designer, by evaluating the site-specific requirements of the longer-term installation and determining what exceptions to the CSA S6 would be acceptable to the designer.

Only the superstructure and ancillary components such as deck, railings and ramps are applied to OPSS 918. Substructure items are according to OPSS 903 for piling, OPSS 907 for timber structures, OPSS 906 for structural steel and OPSS 904 for concrete, OPSS 916 for precast concrete. The substructure items will be those of the applicable specification.

918.2 REFERENCES

- MTO Structural Manual
- CDED B721 Steel Beam Guiderail System
- CDED B904 Concrete Structures
- CDED B906 Structural Steel for Bridges
- CDED B907 Structural Wood System
- CDED B908 Metal Traffic Barriers and Metal Railings for Structures
- CDED B916 Precast Bridge Elements
- OPSS 100 MTO General Conditions of Contract
- OPSS 501 Compacting
- OPSS 721 Steel Beam Guiderail System
- OPSS 903 Deep Foundations
- OPSS 904 Concrete Structures
- OPSS 906 Structural Steel for Bridges
- OPSS 907 Structural Wood Systems
- OPSS 918 Modular Bridge Structures for Temporary Installations
- OPSS 916 Precast Bridge Elements
- OPSS 1601 Wood, Preservative Treatment, and Shop Fabrication
- OPSS 1350 Concrete - Materials and Production
- OPSS 1355 Precast Concrete - Materials and Production

918.3 TENDER ITEMS

Item Code	Title	Col Type	U.O.M.	PQP
0918-0015	Temporary Modular Bridge	Normal	LS/t	N

918.4 SPECIFICATIONS

The requirements for the temporary modular bridge are contained in OPSS 918.

918.5 SPECIAL PROVISIONS - None**918.6 STANDARD DRAWINGS - None****918.7 DESIGN****918.7.1 General**

The design shall be according to the Contract Documents, CSA S6, and the Structural Manual. Exceptions to CSA S6 are as specified in OPSS 918.

If an existing substructure is being used to support the temporary modular bridge, the Engineer must evaluate the structure for temporary modular bridge loading. If strengthening or rehabilitation required, the designer must provide the design details on the Contract Drawings.

918.8 COMPUTATION**918.8.1 Sources of Information**

The main source of information for the above tender items are the Working Drawings, the Regional Structural Section, CSA S6, and survey.

918.8.2 Method of Calculation

The unit of measurement for the item Temporary Modular Bridge is lump sum.

918.9 DOCUMENTATION**918.9.1 Quantity Sheets**

The Ministry's Contract Preparation System (CPS) is used for the preparation of Quantity Sheets.

918.9.2 Documentation Accuracy

Stations are recorded in whole numbers.