

REVISION OF SECTION 621
TEMPORARY BRIDGE

PERMANENT CHANGES TO PROJECT DATED SPECIAL PROVISIONS

REVISION OF SECTION 621 TEMPORARY BRIDGE

<u>DATE</u>	<u>AUTHOR</u>	<u>DESCRIPTION OF CHANGE</u>
9/19/90	R. STRUCKMAN	MINOR FORMAT CHANGES MADE
9/30/1999	M.Nord	Verified the specification references for conformance with the <i>1999 Colorado DOT Standard Specifications for Road and Bridge Construction</i> . No exceptions were found. Converted to Microsoft Word 97 SR-2
04.11.2023	M. Kayen	Revisions to make spec online ADA-compliant. 5.22.23 Additional ADA.

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Add Section 621 to the Standard Specifications for this project.

DESCRIPTION

621.01 The Contractor shall be responsible for the design, construction, maintenance, and removal of the temporary bridge at the location shown on the plans, or as directed by the Engineer.

All construction drawings and calculations that are submitted to the Engineer under the requirements of these specifications shall be approved by and contain the endorsement seal of a Professional Engineer registered in the State of Colorado. The drawings shall also be approved by the Contractor prior to submittal to the Engineer.

Two copies of the construction drawings and design calculations for the temporary bridge shall be submitted to the Engineer at least two weeks before the construction of the temporary bridge begins.

The temporary bridge shall be designed in accordance with the current AASHTO Standard Specifications for Highway Bridges.

The construction drawings shall include the following minimum information:

1. Type and grade of structural materials.
2. Allowable material stresses in bending, compression, and shear.
3. Modulus of elasticity "E".
4. Stress factors if used for short term duration loading (timber only).
5. References for load data used for standardized, manufactured components.
6. Specification references for design criteria.
7. The design Live Loads used.
8. The bearing value of the soil as determined by the Contractor when footing type foundations are to be used.
9. The total design reaction at each substructure foundation.

MATERIALS

621.02 Materials used in constructing the temporary bridge shall be furnished by the Contractor and shall remain his property. Used materials will be permitted.

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The Contractor is responsible for the proper evaluation of his materials to assure they conform to the loads and stresses required in the design and specified on the construction drawings.

CONSTRUCTION REQUIREMENTS

621.03 The temporary bridge shall be constructed in accordance with the construction drawings and these specifications.

The temporary bridge shall have a minimum clear roadway width of 28 feet. The minimum clear span opening width for stream flow and the minimum low girder elevation shall be as directed by CDOH Staff Hydraulics and shown on the plans. The temporary bridge shall be of sufficient strength to support HS-20 loading, as well as the Interstate Alternate load. Finished grade shall match profile in plans and temporary concrete barrier is to be carried across bridge along the outside edges.

The temporary bridge shall be removed, as directed by the Engineer.

METHOD OF MEASUREMENT AND BASIS OF PAYMENT

621.04 The completed and accepted work for the temporary bridge will be paid for at the contract lump sum price. This price shall include full compensation for all design, labor, equipment and materials required to construct, maintain and remove the bridge.

Payment will be made under:

<u>Pay Item</u>	<u>Pay Unit</u>
Temporary Bridge	Lump Sum