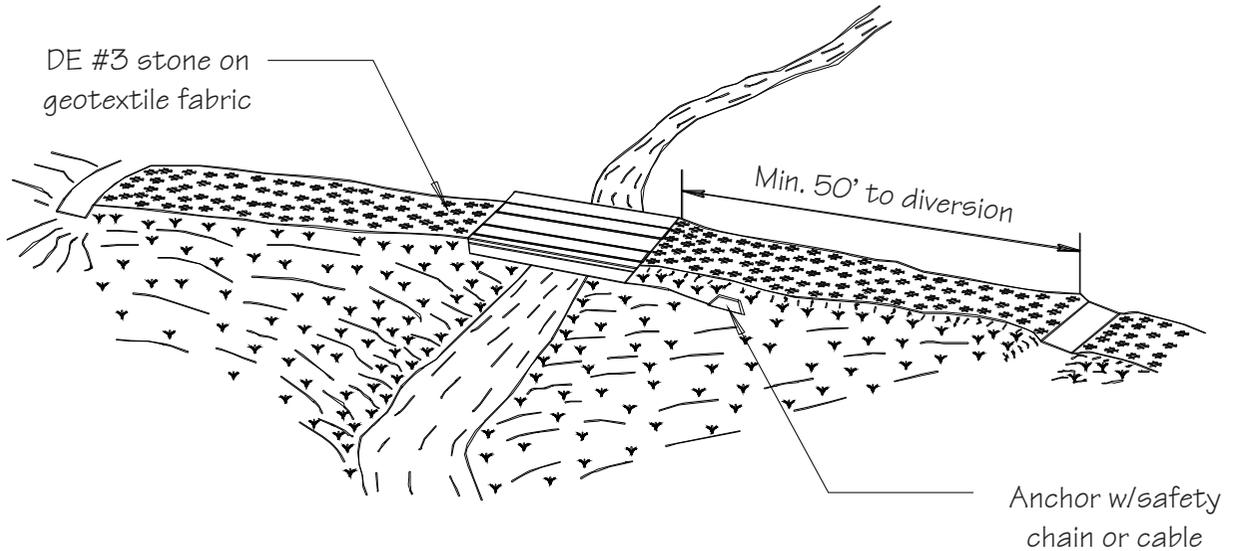


Temporary Crossing - Bridge



Perspective

DATA

Stringer material
Stringer dimensions
Decking material
Decking dimensions

Source:

Adapted from
MD Stds. & Specs. for ESC

Symbol:

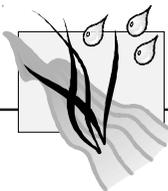
TC-B

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Temporary Crossing - Bridge

Construction Notes:

1. **Restrictions** - No construction or removal of a temporary access bridge will be permitted from March 15 through June 15 to minimize interference with fish spawning and migration. Further restrictions may apply in accordance with other State and/or Federal permits.
2. **Installation**
 - a. **Bridge Placement** - A temporary bridge structure shall be constructed at or above bank elevation to prevent the entrapment of floating materials and debris.
 - b. **Abutments** - Abutments shall be placed parallel to and on stable banks.
 - c. **Bridge Span** - Bridges shall be constructed to span the entire channel. If the channel width exceeds 8 feet (as measured from top-of-bank to top-of-bank) then a footing, pier or bridge support may be constructed within the waterway. One additional footing, pier or bridge support will be permitted for each additional 8 foot width of the channel. However, no footing, pier or bridge support will be permitted within the channel for waterways less than 8 feet wide.
 - d. **Deck Material** - All decking members shall be placed perpendicular to the stringers, butted tightly, and securely fastened to the stringers. Decking materials must be butted tightly to prevent any soil material tracked onto the bridge from falling into the waterway below.
 - e. **Run Planks (optional)** - Run planking shall be securely fastened to the length of the span. One run plank shall be provided for each track of the equipment wheels. Although run planks are optional, they may be necessary to properly distribute loads.
 - f. **Curbs or fenders** - Curbs or fenders may be installed along the outer sides of the deck. Curbs or fenders are an option which will provide additional safety.
 - g. **Bridge Anchors** - Bridges shall be securely anchored at only one end using steel cable or chain. Anchoring at only one end will prevent channel obstruction in the event that floodwaters float the bridge. Acceptable anchors are large trees, large boulders, or driven steel anchors. Anchoring shall be sufficient to prevent the bridge from floating down stream and possibly causing an obstruction to the flow.
 - h. **Stabilization** - All areas disturbed during bridge installation shall be stabilized within 14 calendar days of the disturbance in accordance with the Standard and Specifications for Temporary Vegetative Stabilization.

Source:

Adapted from
MD Stds. & Specs. for ESC

Symbol:

TC-B

Detail No.

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Temporary Crossing - Bridge

Construction Notes (cont.)

3. Maintenance

- a. Inspection - Periodic inspection shall be performed to ensure that the structure, streambed, and streambanks are not damaged, and that sediment is not entering the stream or blocking fish passage or migration.
- b. Maintenance - Maintenance shall be performed as needed, in a timely manner to ensure that structures are in compliance with this standard and specification. This shall include removal and disposal of any trapped sediment or debris. Sediment shall be disposed of and stabilized outside the waterway floodplain.

4. Restoration

- a. Removal - When the crossing has served its purpose, all structures including bedding and filter cloth materials shall be removed within 14 calendar days. In all cases, the structure shall be removed within one year of installation.
- b. Final Clean-up - Final clean-up shall consist of removal of the temporary structure from the waterway, removal of all construction materials, restoration of original stream channel cross section, and protection of the streambanks from erosion. Removed materials shall be stored outside of the waterway floodplain.
- c. Method - Removal of the structure and clean up of the area shall be accomplished without construction equipment working in the waterway channel.
- d. Final Stabilization - All areas disturbed during removal shall be stabilized within 14 calendar days of the disturbance in accordance with the Standard and Specifications for Permanent Vegetative Stabilization.

Source:

Adapted from
MD Stds. & Specs. for ESC

Symbol:



Detail No.

DE-ESC-3.5.1.3

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