

**State of Alaska**  
**Alaska Department of Transportation & Public Facilities**

**Temporary Bridge Submittal Checklist (Form 25D-080)**

Each temporary crossing location is slightly different, and each site requires a unique design. The Contractor is required to submit a design that provides for the safe passage of public traffic, DOT/PF project staff and the Contractor's operations. An Alaska registered professional engineer employed by (or under contract to) the contractor must design, seal and sign the temporary crossing working drawings. The Engineer with support from the DOT/PF Bridge Section will check the working drawings for structural adequacy, contract compliance and overall completeness.

Before the Bridge Section can perform the check, a complete submittal package must be received from the Contractor. While each temporary crossing site is unique, a complete submittal must include all of the items listed below. Additional information and details may be required for unusual situations.

1. Bridge Layout
  - a. Plan view
    1. Layout / profile grade line
    2. Traveled way width
    3. Top, toe and slopes of cuts and fills
    4. Horizontal clearance under structure (if over traffic)
    5. Direction of stream flow (if over water)
    6. North arrow
    7. Alignment data
    8. Skew angle
    9. Bank protection
    10. Centerlines of piers
  - b. Elevation View
    1. Abutment and pier numbers
    2. Datum line and elevation
    3. Approximate original ground line at bridge centerline
    4. Total bridge length
    5. Span lengths
    6. Bank protection
    7. Vertical clearance or freeboard
  - c. Typical Section Including Typical Piers
    1. Roadway width on the bridge
    2. Bridge width
    3. Typical pier
    4. Girders, deck and railings/barriers
    5. Deck surfacing
    6. Location of profile grade
    7. Identify girder and deck type

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8. Pedestrian accommodations
9. Utilities
2. Details
  - a. Lateral bracing
  - b. Blocking
  - c. Deck
  - d. Railings and barriers
  - e. Approach railings and transitions
  - f. Erection and removal details
3. Foundation Information
  - a. Allowable and applied soil bearing pressure values for spread footings
  - b. Pile types, loads, capacities, factors of safety and minimum tip elevation
4. Traffic Openings (if over public or private roads)
5. Pedestrian Accommodations (if specified)
6. Lighting Plan (if specified)
7. Number and name each plan sheet
8. Design Notes
  - a. Design specifications
  - b. Live load
  - c. Dead load
  - d. Seismic values
    1. Acceleration coefficient
    2. Site coefficient
  - e. Material properties ( $f'_c$ ,  $F_y$ , ASTM Designations)
9. Supporting Design Computations
10. Professional Engineer Signature

The Contractor must schedule their operations to allow a minimum of forty five (45) working days for review and checking of the submittal prior to constructing or ordering materials for temporary crossings.