

MEMORANDUM

State of Alaska
Department of Transportation & Public Facilities
Statewide Design & Engineering Services Division

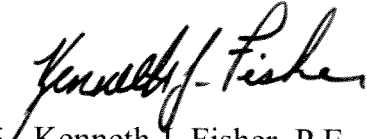
TO: Distribution

DATE: January 25, 2019

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FROM: 
Kenneth J. Fisher, P.E.
Chief Engineer

SUBJECT: **Chief Engineer Directive-
Alaska Standard Plans,
Development and
Incorporation**

Effective immediately,

Alaska Department of Transportation and Public Facilities (Department) adopted Alaska Standard Plans as Alaska's accepted standard, adopted under authority of AS 19.10.160, for use in conformance with 12 AAC 36.185(a)(2).

Remove Seals: The Department will no longer incorporate sealed standard drawings in our construction and maintenance plans.

Existing Standard Drawings Adopted as Alaska's Uniform (accepted) Standard:

All current Standard Drawings, which are approved by Alaska Division FHWA as of the date of this directive and were not rescinded due to standard or code changes, will be adopted by the Chief Engineer as Alaska Standard Plans. When the Chief Engineer adopts each Alaska Standard Plan, the registrant's stamp will be removed, the drawing will be retitled as an Alaska Standard Plan with the drawing number retained, and the adopted Alaska Standard Plan will be published on DOT's public facing website.

The title block for each Alaska Standard Plan will include:

- Name and signature of the Chief Engineer adopting the Alaska Uniform Standard, and the date of adoption,
- Initials of the person completing the latest periodic review, and the date of the review,
- Date of the next required periodic review.

Copies of the original Standard Drawings will be retained as Department record documents, in accordance with record retention requirements. The record documents will retain the original title and registrant's seal.

As resources allow, Alaska Standard Plans adopted from current Standard Drawings will be replaced with new Alaska Standard Plans developed in accordance with the following process.

Develop and Seal Final Detail Drawings: For new or revised details, the Department will develop detail drawings for select components and construction details. The designer of record will develop a companion Standard Plan Development Report (SPDR) documenting the applicable codes and national standards used to complete the design, and any restrictions or qualifying conditions for application of the final project element. The SPDR may also include any critical analysis or calculations the designer of record chooses to document.

Detail drawings will be completed as final drawings and will be sealed and dated by a qualified Alaska Registrant (AS 08.48.221(a)). The registrant sealing the final drawings may be in-house or consultant. By sealing the final drawings, the registrant certifies their Responsible Charge for the technical development of the details, any restrictions on the application of the details, and any specifications included on the final drawing.

Sealed detail drawings and the companion SPDR will be retained as Department record documents, in accordance with record retention requirements.

Department Adopts Alaska's Uniform (accepted) Standard: Sealed final detail drawings will be reviewed by the Department and recommended to the Chief Engineer for adoption as Alaska Standard Plans (AS 19.10.160). When the Chief Engineer adopts each Alaska Standard Plan, the registrant's stamp will be removed, the drawing will be retitled as an Alaska Standard Plan, and the adopted Alaska Standard Plan will be published on DOT's public facing website.

The title block for each Alaska Standard Plan will include:

- Name and signature of the Chief Engineer adopting the Alaska Uniform Standard, and the date of adoption,
- Initials of the person completing the latest periodic review, and the date of the review,
- Date of the next required periodic review.

Application of Alaska Standard Plans on Final Project Plan Sheets: Qualified Alaska Registrants will develop and seal each final project plan sheet (AS 08.48.221(a)) in conformity with accepted architecture, engineering, land surveying, and landscape architecture standards in Alaska (12 AAC 36.185(a)(2)).

The registrant's seal on an individual plan sheet establishes that registrant's certification of Responsible Charge for the application (incorporation) of the adopted Alaska Standard Plan (incorporation of Alaska's accepted standard). The registrant's seal on an individual plan sheet does not establish Responsible Charge for development of or Department adoption of any Alaska Standard Plan which is incorporated (physically or by reference) on the final project plan sheet. List all Alaska Standard Plans by number, which are incorporated (physically or by reference) on the subject project cover sheet, project index sheet, or individual plan sheet.

Prohibition of Project Specific Revision of Alaska Standard Plans: When project specific conditions require variation, site adaptation, or field alteration from an adopted Alaska Standard Plan, the Alaska Standard Plan shall not be used. An Alaska Standard Plan may be used as template for development of a project specific detail but in all cases a new sealed project specific final drawing will be developed where site conditions require any variation, site adaptation, or field alteration from an Alaska Standard Plan. By sealing the final project specific detail drawing, the registrant(s) certifies their Responsible Charge for the technical development and for the decision to apply the subject detail in the project specific conditions.

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