



**Department of Transportation & Public Facilities**  
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**TRANSMITTAL**

**TO:** Distribution

**DATE:** December 22, 2017

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

**SUBJECT:** Chief Engineer's Directive:  
Standard Drawings and Standard  
Modifications for W-Beam Barrier  
MASH Implementation.

The Alaska Standard Drawings Manual is revised effective December 22, 2017. Standard Modifications SM-4, SM-5, and SM-6 are approved for use with the 2017 edition of the Alaska Standard Specifications for Highway Construction effective December 22, 2017.

Projects advertised before January 1, 2018 may use 29" high w-beam guardrail (G-04.12S and G-04.12W) and related drawings (indicated with a double asterisk on the Standard Drawings Index).

Use the W31 (31" high) w-beam guardrail system (G-05.00S and G-05.00W), related drawings, and Standard Modifications SM-4, SM-5, and SM-6 on projects with guardrail advertised after December 31, 2017.

The Standard Drawings are available online at:  
<http://www.dot.state.ak.us/stwddes/dcsprecon/stddwgeng.shtml>

Standard Modifications are available online at:  
[http://www.dot.state.ak.us/stwddes/dcspsecs/pop\\_hwyspecs\\_english.shtml](http://www.dot.state.ak.us/stwddes/dcspsecs/pop_hwyspecs_english.shtml)

**Attachments:**

Standard Drawing Manual Index – December 22, 2017

**New & Revised Standard Drawings:**

- G-00.04 Standard Guardrail Hardware (revised)
- G-04.12S Steel Post W-Beam Guardrail (revised)
- G-04.12W Wood Post W-Beam Guardrail (revised)
- G-05.00S Steel Post W31 Guardrail (new)
- G-05.00W Wood Post W31 Guardrail (new)
- G-10.10 Beam Guardrail Post Installation (revised)
- G-11.00 W31 Guardrail Transition Details (new)
- G-14.00 W31 Downstream End Anchor (new)

G-26.00 W31 Short Radius Guardrail (new)

G-29.00 Long Span W31 Guardrail (new)

Standard Modifications:

SM-4 Section 606 - Guardrail;

SM-5 Section 710 - Fence and Guardrail; and

SM-6 Section 730 - Sign Materials

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