

Standard Plan Manual Revision Summary

(for July 17, 2020 revision)

ASP No.	Title	Comments / Changes
BRIDGE AND STRUCTURES		
B-04.10	Cantilever Retaining Wall Type I	The old Alaska Standard Plan (ASP) B-04 is retired and replaced with these new ASPs. They have been updated to current adopted standards. B-04, B-05 and B-06 are broken out based on backslope and surcharge loading. The HS versions are for use in high seismic zones.
B-04.10HS	Cantilever Retaining Wall Type I - High Seismic	
B-05.10	Cantilever Retaining Wall Type II	
B-05.10HS	Cantilever Retaining Wall Type II - High Seismic	
B-06.10	Cantilever Retaining Wall Type III	
B-06.10HS	Cantilever Retaining Wall Type III - High Seismic	
B-07.10	Cantilever Retaining Wall Details	Replaces the old ASP B-05
DRAINAGE - CULVERTS AND SEWERS		
D-04.22	Pipe and Arch Tables	Tables updated based on LRFD Standards check.
FENCES AND GATES		
F-01.04	Chain Link Fence	Upgraded grounding rod size to 5/8" x 10' to meet current electrical code.
GUARDRAIL, MEDIAN BARRIERS, AND CRASH CUSHIONS		
G-00.05	Standard Guardrail Hardware	Changed reference from Standard Drawing to Standard Plan and deleted Note 5 on Sheet 5.
G-09.05S	Steel Post Modified Thrie-Beam Guardrail	Misc. minor changes - see SPDR. This is a NCHRP-350 TL-4 & 3 tested - not a MASH tested guardrail system. No known MASH equivalent at this time.
G-11.01	W31 Guardrail Transition Details	Changed reference from Standard Drawing to Standard Plan and revised Note 1.
G-14.01	W31 Downstream End Anchor	Revised Note 1, moved design notes from this ASP to the SPDR and minor drafting cleanup.

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G-30.04	Bridge Rail W-Beam Transition	Drawing is retired as it is not a MASH tested design.
G-31.04	Bridge Rail Thrie Beam Transition	Drawing is retired as it is not a MASH tested design. Replaced with G-32.
G-32.00	MASH Bridge Rail Thrie Beam Transition	New is a new 31" MASH TL-3 w-beam G/R transition to the new MASH TL-4 2-Tube Bridge Rail. It has an FHWA Eligibility letter.
G-47.00	MASH "F" Shape Concrete Barrier	New MASH device. It has Alaska DOT&PF self determination as federal aid eligible.
INTERSECTIONS, APPROACHES & PAVEMENT DESIGN		
I-20.20	Curb Cut, Curb and Gutter and Curb Ramp Details	No design changes needed after code and standards check. Changed "Standard Drawing" to "Standard Plan" in the Construction Notes.
I-21.12	Parallel Curb Ramp	Minor changes: Changed "Standard Drawing" to "Standard Plan" in Note 3 and added Construction Note 11 regarding the need for a backing curb.
I-22.11	Perpendicular Curb Ramp	No design changes needed after code and standards check. Changed "Standard Drawing" to "Standard Plan" in the Construction Notes.
I-81.00	Superelevation Transition	Code and Standards review reveal no changes necessary. Approval, review and next review dates changed.
LUMINAIRES AND LIGHTING STANDARDS		
L-03.11	Lighting Standard	Miscellaneous minor changes as a result of code and standards check - See SPDR for details.
L-23.02	Junction Boxes for Electroliers and Traffic Signals	T-34 (Junction Boxes for Traffic Signals) is merged with this drawing. T-34 is retired. The old name for this Std. Plan was Junction Boxes for Electrolier. Design upgrade to the current codes and standards, and regional needs.
L-24.10	Type 1 Load Center	Design upgrade to the current National Electric Code.
L-25.01	Type 1A Load Center	Design upgrade to the current National Electric Code.
L-26.10	Type 2 and 3 Load Centers	Design upgrade to the current National Electric Code.

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MISCELLANEOUS		
M-20.15	Mailbox Location	Revised vertical height from 42" (min.) and 48" (max.) to 41" (min.) and 45" (max.)
M-23.13	Mailbox Installation	Revised vertical height from 38" (min.) and 48" (max.) to 41" (min.) and 45" (max.)
SIGN AND SIGN SUPPORTS		
S-00.12	Sign Framing	Drawing retitled to Sign Framing (from Sign Framing and Post Spacing). Post spacing table and notes moved to Std. Plans S-30 and S-31.
S-01.02	Bracing for Signs Mounted on a Single Post	Miscellaneous minor changes - see SPDR
S-05.02	Post Mounted Sign Offset and Height	Most significant change - allowing rural sign to be mounted at 5' 0" minimum height. See SPDR for other minor changes.
S-30.05	Light Sign Structure Post Embedment	Defined concrete for fndn to be Class B. Added Sign Post Spacing Table and Notes from Std. Plan S-00. Embedment depth changes as a result of standards check.
S-31.02	Sign Post Base and Foundation	Revised foundation depth table based on code and standards review
S-32.02	Sign Post Base and Foundation Behind Barrier	Revised foundation depth table based on code and standards review
TRAFFIC CONTROL		
T-21.04	Pavement Marking Applications	Drafting to clean up dimension and spacing of lane markings. Added Notes 9 & 10. Added lane symbol to two-way left turn detail.
T-23.01	Crosswalk Location at Signalized Intersections	Changed name of ASP from Crosswalk Location at Intersections to Crosswalk Location at Signalized Intersections. Deleted crosswalk offset tables for Case 1 and Case 2. Deleted Notes 2 and 3.
T-25.10	Milled Rumble Strips	Added centerline rumble strip details and some additional shoulder details for interchanges and bridges.
T-30.12	Traffic Signal Hardware	Replaced existing T-30.11 Standard Plan with new drawing adapted from Central Region CR-29 drawing.

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T-31.01	Traffic Signal and Accessories Foundation	Deleted Controller base post Type C, Controller Base Apron Type D, and Push Button Base Post Type B. Updated bolt circle to reflect current use by Northern Region. Updated reinforcing steel to meet updated codes and standards and added grounding detail.
T-34	Junction Boxes for Traffic Signals	T-34 (Junction Boxes for Traffic Signals) is retired. It is merged with L-23 to eliminate unnecessary duplication.
T-52.21	Concrete 42" Diameter Signal Pole Foundation	Revised to meet new design standards
T-53.01	Concrete 48" Diameter Signal Pole Foundation	
T-54.10	Signal Pole with 15' to 35' Mastarm	
T-55.10	Signal Pole with 40' to 50' Mastarm	
T-56.10	Signal Pole with 55' to 65' Mastarm	
T-57.10	Signal Pole with 70' to 75' Mastarm	