AMTRAK ENGINEERING PRACTICES	ORIGINAL ISSUE DATE: 01/31/2025		NUMBER **EP4000**
	REVISED DATE: **09/15/2025**		PAGE **1 of 3**
TITLE **AMTRAK ENGINEERING STRUCTURES STANDARD DESIGN PRACTICES (SDP)**	RECOMMENDED: Director - Facilities David Pittman, PE	RECOMMENDED: Director - Stations Richard Cianfrini, AIA	DATE: 09/15/25
	RECOMMENDED: Director - Structures John Brun, PE	RECOMMENDED: Director - Tunnels William A. Prosser, Jr. PE	
	APPROVED: Deputy Chief Engineer – Structures and Stations Michael Zecca, P.E. 		DATE: 09/15/25

ENGINEERING PRACTICE 4000
STANDARD DESIGN PRACTICES FOR BUILDINGS, BRIDGES, TUNNELS, AND OTHER STRUCTURES

Office of Deputy Chief Engineer – Structures and Stations

EP4000 Structures Standard Design Practice (SDP) Sub-Component Description	Revision Date	Approved By:	SDP No.
Section 0 - General			
Table of Contents	09/15/25	D. Pittman	0.00
Introduction and Glossary	09/15/25	D. Pittman	0.01
Section 1 – Design Contract Technical Delivery Requirements			
Design Contract Technical Delivery	09/15/25	D. Pittman	1.00
Section 2 – General Design Requirements			
General Requirements and Amtrak Adopted Codes and Standards	09/15/25	D. Pittman	2.00
Section 3 – Minimum Building Technical Requirements			
Chapter 1 – General Design Requirements	09/15/25	D. Pittman	3.01
Chapter 2 – Existing Conditions	09/15/25	D. Pittman	3.02
Chapter 3 – Concrete	09/15/25	D. Pittman	3.03
Chapter 4 – Masonry	09/15/25	D. Pittman	3.04
Chapter 5 – Metals	09/15/25	D. Pittman	3.05
Chapter 6 – Woods, Plastics, and Composites	09/15/25	D. Pittman	3.06
Chapter 7 – Thermal and Moisture Protection	09/15/25	D. Pittman	3.07
Chapter 8 – Openings	09/15/25	D. Pittman	3.08
Chapter 9 – Finishes	09/15/25	D. Pittman	3.09
Chapter 10 – Specialties	09/15/25	D. Pittman	3.10
Chapter 11 – Equipment	09/15/25	D. Pittman	3.11
Chapter 12 – Furnishings	09/15/25	D. Pittman	3.12
Chapter 13 – Special Construction	09/15/25	D. Pittman	3.13
Chapter 14 – Conveying Systems	09/15/25	D. Pittman	3.14
Chapters 15 through 20 (no content)	N/A	N/A	N/A
Chapter 21 – Fire Suppression	09/15/25	D. Pittman	3.21
Chapter 22 – Plumbing	09/15/25	D. Pittman	3.22
Chapter 23 – Heating, Ventilation, and Air Conditioning (HVAC)	09/15/25	D. Pittman	3.23
Chapters 24 through 25 (no content)	N/A	N/A	N/A
Chapter 26 – Electrical	09/15/25	D. Pittman	3.26
Chapter 27 – Communications	09/15/25	D. Pittman	3.27
Chapter 28 – Electronic Safety and Security	09/15/25	D. Pittman	3.28
Chapters 29 through 30 (no content)	N/A	N/A	N/A
Chapter 31 – Earthwork	09/15/25	D. Pittman	3.31
Chapter 32 – Exterior Improvements	1/31/25	D. Pittman	3.32
Chapter 33 – Utilities	09/15/25	D. Pittman	3.33
Chapter 34 – Transportation	09/15/25	D. Pittman	3.34
Chapter 51 - Accessibility	09/15/25	D. Pittman	3.51
Section 4 – Minimum Bridge Technical Requirements			
Chapter 1 –Bridges, Culverts and Miscellaneous Structures	09/15/25	J. Brun	4.01
Section 5 – Minimum Tunnel Technical Requirements			
Chapter 1 – Tunnels, Overbuilds, Enclosed Stations, and Trainsheds	09/15/25	W. Prosser	5.01

This page is intentionally left blank