

PBPD Guidance Document – running list of revisions by version

1.1.0

The Practical Design Approach (p. 5)

- Added content at the end of the second-to-last paragraph explaining the merit of small cost savings

The Performance-Based Design Process (pp. 7-8)

- Introductory discussion, 3rd paragraph: cleaned up for flow and clarity
- Intended Project Outcomes / Project Purpose, Need and Problems, last paragraph: added potential opportunities to the list of considerations
- Intended Project Outcomes / Desired Outcomes and Goals: both paragraphs edited for better clarity and meaning
- Designing to Achieve Intended Outcomes, 1st paragraph: added scope elements to the list of performance determinants

Level of Service (p. 16)

- Discussion, 1st paragraph: definition expanded to relate to quality of service
- Guidance & Criteria, 2nd bullet: added allowance for a desired outcome, as appropriate and balanced with other factors

Design Speed (p. 18)

- Guidance & Criteria, 4th bullet: editorial – active voice in second sentence

Design Vehicle (p. 20)

- Guidance & Criteria, 1st bullet: added the S-BUS-40 as an option
- Guidance & Criteria, third-to-last bullet: editorial revisions and corrections

Cross Section Composition (p. 23)

- Discussion, 2nd paragraph: added detail re accommodation of oversize vehicles
- Guidance & Criteria: added 2nd bullet re calibrated HSM data

- Guidance & Criteria, last bullet: softened verbiage so as to not “require” a foot of section loss be assumed

Travel Lane Width (p. 26)

- Guidance & Criteria: reworded 2nd bullet so as to not discourage consideration of 11-foot lanes on moderate-to-high-volume roads

Shoulder Width (p.27)

- Discussion: added second-to-last paragraph referencing crash effects of on-street parking

Bridge Width (pp. 31-32)

- Section revised significantly to address Bridge Office objections to wording of various parts
- Guidance & Criteria: 200-foot single span length added as a threshold for long-bridge definition
- LRFD manual reference corrected
- Guidance & Criteria: Bridge preliminary design engineer included as a co-facilitator of the long/complex bridge risk assessment process

Intersection Sight Distance (p. 47)

- Discussion, 1st paragraph: added reference to Tech Memo 18-06-TS-04 as the governing MnDOT criteria for ISD
- Discussion, 1st paragraph: included a reference to NCHRP Report 383
- Discussion: added second paragraph referencing and explaining NCHRP Report 875
- Discussion, final paragraph: added opening sentence explaining applicability of SSD
- Discussion, final paragraph: qualified and limited the recommended application of ISD
- Discussion, final paragraph: added recommendation to apply NCHRP Report 875 methods
- Guidance & Criteria: added second bullet discussing NCHRP Report 875
- Design Standards / Administrative Control: added first bullet referencing Tech Memo 18-06-TS-04

Vertical Alignment (p. 60)

- Guidance & Criteria, 1st bullet: added phrase clarifying applicability to both crests and sags
- Guidance & Criteria, last bullet: eliminated last sentence for clarity and consistency