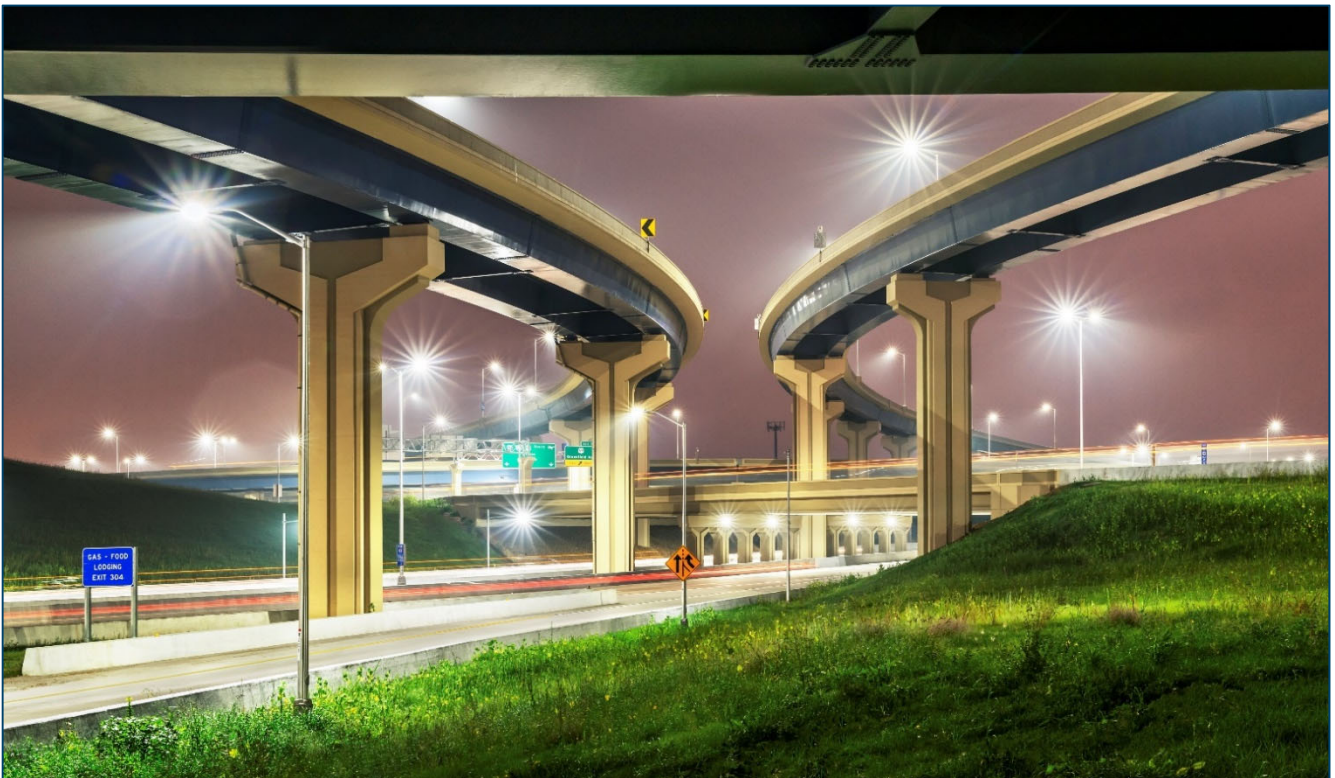


Construction and Materials Manual

Wisconsin Department of Transportation
Bureau of Project Development

June 2019 Edition



Annotations, shown in boxed text on the table of contents with updates, in this edition of the Construction and Materials Manual identify the substantive revisions made since the last edition. A brief explanation of each revision is provided both in the table of contents with updates and again adjacent to each revision within the chapter.



WisDOT provides the Construction and Materials Manual (CMM) to help staff administer and inspect construction projects. The goal is uniform application and enforcement of contract requirements.

The CMM clarifies the contract and may reference contract requirements but does not supersede the contract. The CMM also communicates department policies, practices, and expectations to consultants, contractors, and other construction industry partners.

CMM guidance is based on common industry practice for transportation construction work. Situations not covered require experience, engineering judgment, and advice from experienced engineers, supervisors or subject matter technical experts.

Most CMM content is not part of the contract. However, some of the CMM is mobilized into the contract by specific reference from within the contract. CMM chapters referenced in the standard specifications have an orange-highlighted entry pointing to contractual language within that chapter. For example:

Materials sampling and testing methods and documentation procedures prescribed in chapter 8 of the CMM are mobilized into the contract by [Standard Spec 106.3.4.1](#) and [Standard Spec 106.3.4.3.1](#).

Standard specification references to concrete testing and sampling methods contained in this chapter:

[Standard Spec 701.3](#).....concrete testing

CMM provisions mobilized by the contract:

[CMM 8-70.4.8](#)strength/maturity relationship development

Within the chapter, above the heading of the referenced content, there will be an orange-highlighted entry identifying standard specification references. For example:

Requirements for developing a strength/maturity relationship are mobilized into the contract by [Standard Spec 502.3.10.1.3](#).

CMM sections explicitly referenced in the standard specifications are listed below in Table 1.

Table 1 CMM Sections Mobilized into the Contract

CMM Section	Contractual Reference
CMM 1-45	Quality standards for temporary concrete barrier
CMM 4-24	Assignment of cost for crack repairs
CMM 5-25	Evaporation nomograph
CMM 6-45	Erosion Control Implementation Plan (ECIP)
CMM 7-10	Contractor data packet
CMM 8-00	All sections in chapter 8 - materials sampling, testing, and documentation
CMM 8-15	HMA pavement density determination
CMM 8-30	Concrete testing and testing equipment calibration
CMM 8-36	HMA QMP requirements
CMM 8-60	Aggregate sampling and testing
CMM 8-65	Asphaltic Binder sampling and testing
CMM 8-66	Asphalt Mixture Design
CMM 8-70	Concrete QMP testing standards