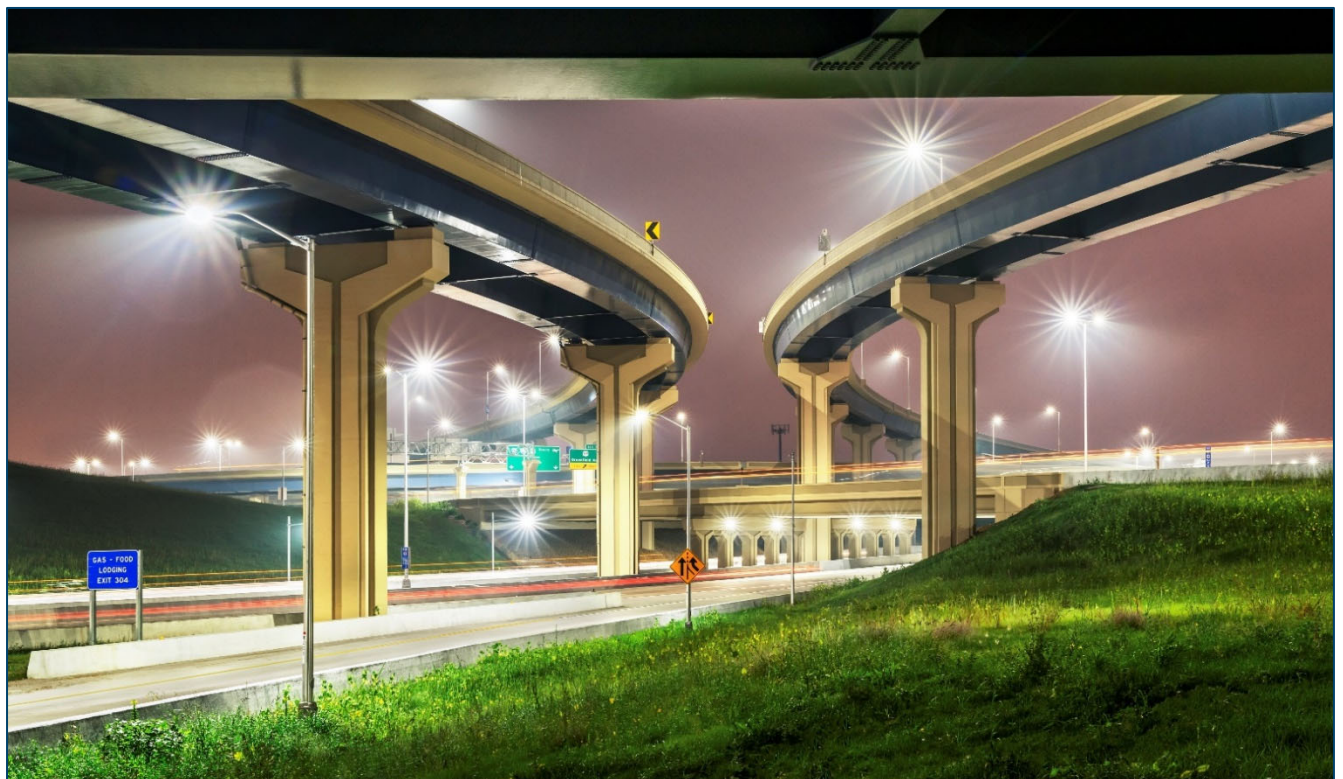


# Construction and Materials Manual

Wisconsin Department of Transportation  
Bureau of Project Development

December 2022 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 provision revised is provided both in the table of contents with updates and again adjacent to each revision within the chapter.*

## Foreword

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 sections referenced in the standard specifications have an orange-highlighted entry pointing to contractual language within that section. For example:

*Standard spec references to concrete testing and sampling methods contained in this chapter:*  
     [Standard spec 701.3](#) ..... concrete testing  
*CMM provisions mobilized by the contract:*  
     [870.4.8](#) ..... strength/maturity relationship development

Within the section, 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 tabulated below.

**CMM Sections Mobilized into the Contract**

CMM Section	Contractual Reference
<a href="#">145</a>	Quality standards for temporary concrete barrier
<a href="#">424</a>	Assignment of cost for crack repairs
<a href="#">525</a>	Evaporation nomograph
<a href="#">645</a>	Erosion Control Implementation Plan (ECIP)
<a href="#">710</a>	Contractor data packet
<a href="#">815</a>	HMA pavement density determination
<a href="#">830</a>	Concrete testing and testing equipment calibration
<a href="#">836</a>	HMA QMP requirements
<a href="#">860</a>	Aggregate sampling and testing
<a href="#">865</a>	Asphaltic Binder sampling and testing
<a href="#">866</a>	Asphalt Mixture Design
<a href="#">870</a>	Concrete QMP testing standards
<a href="#">871</a>	<b>Concrete Mixture Design</b>