



Wisconsin Department of Transportation

Region

Applicable Standards

Book 3 Template

05/21/21

Design-Build Project

S.P.

Contract No.

Federal Project No.

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1 Introduction

Use this list of standards to perform the final design and construction of the Project described in the Contract. Ensure that the most current version at the time of the RFP Release Date is used for each of the references listed. See each section for specific requirements from the references, as well as the hierarchy of the references for that section.

Wisconsin Department of Transportation and Other References. Perform all Project design and construction in accordance with the requirements of this Contract and the Design-Build Modifications to the Wisconsin Department of Transportation (WisDOT or Department) *Standard Specifications for Highway and Structure Construction*, 2021 Edition (Standard Specifications), as well as the special provisions, manuals, technical memoranda, and guidelines listed in the Contract Documents including all addenda, supplements, and revisions thereto.

Design and construction must comply with the criteria established by the Department and the American Association of State Highway and Transportation Officials (AASHTO). The criteria listed within the *Standard Specifications for Highway and Structure Construction* and the Department's engineering manuals and other references are considered minimums in terms of the required quality of Project workmanship and design. Use the latest version (current version as of the RFP Release Date) of these references unless otherwise specified.

Where the Department has not included a special provision applicable to the Design-Builder's Work, or where the Design-Builder proposes additional or different special provisions, these special provisions are subject to the Approval of the Department. If it is not clear to the Design-Builder how the special provisions, manuals, technical memoranda, standards, or guidelines should be interpreted, the Design-Builder has the obligation to raise the issue with the Department. Regardless of whether the Design-Builder raises the issue, the Department will always have the right to notify the Design-Builder if the Design-Builder is interpreting the modification incorrectly.

The Department Website. Ordering information for most of the Department's references, including specifications, plans, and details, is on the Department's website:

<https://wisconsindot.gov>.

Websites. Websites have been supplied to the Design-Builder for some of the standards listed below for convenience only in assisting the Design-Builder in locating the required standard. The websites are not guaranteed to be correct. It is ultimately the Design-Builder's responsibility to locate the required standard and to determine if the standard has been modified pursuant to this Contract.

1.1 List of Standards

Specific References Cited for the Contract:

Availability Legend

IS = Industry standard, Contractor's responsibility to acquire.

W = Standard is available as a download on the organization's website, Contractor's responsibility to acquire.

E = Document to be given to Contractor in electronic format.

Organization	Standard	Availability
AASHTO	<i>Construction Handbook for Bridge Temporary Works</i>	IS
AASHTO	<i>Guide Design Specifications for Bridge Temporary Works</i>	IS
AASHTO	<i>Guide for the Development of Bicycle Facilities</i>	IS
AASHTO	<i>Guide for the Planning, Design, and Operation of Pedestrian Facilities</i>	IS
AASHTO	<i>A Guide for Transportation Landscape and Environmental Design</i>	IS
AASHTO	<i>Guide Specifications for Design and Construction of Segmental Concrete Bridges</i>	IS
AASHTO	<i>Guide Specifications for Structural Design of Sound Barriers</i>	IS
AASHTO	Laboratory Specifications	IS
AASHTO	<i>Load and Resistance Factor Design (LRFD) Bridge Construction Specifications</i>	IS
AASHTO	<i>LRFD Bridge Design Specifications, Customary U.S. Units</i>	IS
AASHTO	<i>LRFD Guide Specifications for the Design of Pedestrian Bridges</i>	IS
AASHTO	<i>LRFD Specifications for Structural Supports for Highway Signs, Luminaries and Traffic Signals, 1st Edition (2015) (LRFDLTS-1) with current Interim revisions.</i>	IS
AASHTO	<i>Manual for Bridge Evaluation</i>	IS
AASHTO	<i>Manual for Assessing Safety Hardware (MASH)</i>	IS
AASHTO	<i>Manual on Subsurface Investigations</i>	IS
AASHTO	<i>A Policy on Geometric Design of Highways and Streets</i>	IS
AASHTO	<i>Roadside Design Guide</i>	IS
AASHTO	<i>Roadway Lighting Design Guide</i>	IS
AASHTO	<i>Standard Specifications for Highway Bridges</i>	IS
AASHTO	<i>Standard Specifications for Structural Supports of Highway Signs, Luminaires and Traffic Signals</i>	IS
AASHTO/National Steel Bridge Alliance (NSBA) Steel Bridge Collaboration	<i>Guide Specification for Application of Coating Systems with Zinc-Rich Primers to Steel Bridges, S 8.1</i> https://www.aisc.org/publications/	W
AASHTO/NSBA Steel Bridge Collaboration	<i>Shop Detail Drawing Review/Approval Guidelines, G 1.1</i> https://www.aisc.org/publications/	W
AASHTO/NSBA Steel Bridge Collaboration	<i>Shop Detail Drawing Presentation Guidelines, G 1.3</i> https://www.aisc.org/publications/	W

Organization	Standard	Availability
AASHTO/NSBA Steel Bridge Collaboration	<i>Steel Bridge Bearing Design and Detailing Guidelines, G9.1</i> https://www.aisc.org/publications/	W
AASHTO/NSBA Steel Bridge Collaboration	<i>Steel Bridge Fabrication Guide Specifications, S 2.1</i> https://www.aisc.org/publications/	W
AASHTO/NSBA Steel Bridge Collaboration	<i>Steel Bridge Fabrication QC/QA Guide Specification, S 4.1</i> https://www.aisc.org/publications/	W
American Concrete Institute (ACI)	318-14: Building Code Requirements for Structural Concrete and Commentary	IS
Aluminum Association for Alloy	Number 319.0	IS
American Congress on Surveying and Mapping and the American Society of Civil Engineers	<i>Definitions of Surveying and Associated Terms</i>	IS
American National Standards Institute/American Society of Mechanical Engineers (ANSI/ASME)	B1.20.1 (R2001)	IS
American Railway Engineering and Maintenance-of-Way Association (AREMA)	<i>Manual for Railway Engineering</i>	IS
American Society of Civil Engineers (ASCE)	<i>Practical Highway Esthetics</i>	IS
American Society for Testing and Materials (ASTM)	Standards	IS
American Welding Society (AWS)	American Welding Society Specifications	IS
CEB-FIP (Euro-International Concrete Committee and International Federation of Structural Concrete)	<i>Model Code for Concrete Structures (For Time Dependent Behavior of Concrete)</i>	IS
Electronic Industries Alliance (EIA)/Telecommunications Industry Association (TIA) Collaboration	Fiber Optic Test Procedure (FOTP) Standards	IS
Electronic Code of Federal Regulations (eCFR)	Code of Federal Regulations https://www.ecfr.gov/cgi-bin/ECFR?page=browse	W

Organization	Standard	Availability
EIA	Standards	IS
Federal Highway Administration (FHWA)	<i>AASHTO Task Force 27 Report – In Situ Soil Improvement Techniques (FHWA-SA-92-041)</i> https://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	<i>Cone Penetrometer Test (FHWA-SA-91-043)</i> https://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	<i>Corrosion / Degradation of Soil Reinforcements for Mechanically Stabilized Earth Walls and Reinforced Soil Slopes (FHWA-NHI-09-087)</i> https://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	<i>Design and Construction of Driven Pile Foundations Reference Manual, Volumes I and II (FHWA-NHI-05-042 and FHWA-NHI-05-043)</i> https://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	<i>Design and Construction of Stone Columns, Volumes I and II (FHWA-RD-83-026 and FHWA-RD-83-027)</i> https://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	<i>Flexibility in Highway Design (FHWA-PD-97-062)</i> http://www.fhwa.dot.gov/environment/publications/flexibility/index.cfm	W
FHWA	Geotechnical Engineering Circular Number 4 (GEC 4), Ground Anchors and Anchored Systems (FHWA-IF-99-015) https://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	Geotechnical Engineering Circular Number 6 (GEC 6), Shallow Foundations (FHWA-IF-02-054) https://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	Geotechnical Engineering Circular Number 7 (GEC 7), Soil Nail Walls (FHWA-IF-03-017) https://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	Geotechnical Engineering Circular Number 10 (GEC 10), Drilled Shafts: Construction Procedures and LRFD Design Methods (FHWA-NHI-10-016) https://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	Geotechnical Engineering Circular Number 11 (GEC 11), Design and Construction of Mechanically Stabilized Earth Walls and Reinforced Soil Slopes, Volumes I and II (FHWA-NHI-10-024) https://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	<i>Handbook on Design and Construction of Drilled Shafts Under Lateral Load (FHWA-IP-84-11)</i>	IS
FHWA	<i>Highway Traffic Noise Analysis and Abatement Policy and Guidance</i> https://www.fhwa.dot.gov/environment/noise/regulations_and_guidance/analysis_and_abatement_guidance/revguidance.pdf	W
FHWA	Hydraulic Design of Safe Bridges (FHWA-HIF-12-018) https://www.fhwa.dot.gov/engineering/hydraulics/library_arc.cfm?pub_number=1&id=153	W
FHWA	Hydraulic Design Series Number 2, Highway Hydrology, Second Edition (FHWA-NHI-02-001) https://www.fhwa.dot.gov/engineering/hydraulics/library_listing.cfm	W

Organization	Standard	Availability
FHWA	Hydraulic Design Series Number 7, Hydraulic Design of Safe Bridges (FHWA-HIF-12-018) https://www.fhwa.dot.gov/engineering/hydraulics/library_listing.cfm	W
FHWA	Hydraulic Engineering Circular Number 14 (HEC-14), Hydraulic Design of Energy Dissipaters for Culverts and Channels, Third Edition (FHWA-NHI-06-086) http://www.fhwa.dot.gov/engineering/hydraulics/library_listing.cfm	W
FHWA	Hydraulic Engineering Circular Number 15 (HEC-15), Design of Roadside Channels with Flexible Linings, Third Edition (FHWA-IF-05-114) http://www.fhwa.dot.gov/engineering/hydraulics/library_listing.cfm	W
FHWA	Highways in the River Environment - Floodplains, Extreme Events, Risk, and Resilience, 2nd Edition (FHWA-HIF-16-018) http://www.fhwa.dot.gov/engineering/hydraulics/library_listing.cfm	W
FHWA	Hydraulic Engineering Circular Number 18 (HEC-18), Evaluating Scour at Bridges, Fifth Edition (FHWA- HIF-12-003), April 2012 and Errata http://www.fhwa.dot.gov/engineering/hydraulics/library_listing.cfm	W
FHWA	Hydraulic Engineering Circular Number 21 (HEC-21), Design of Bridge Deck Drainage (FHWA-SA-92-010) http://www.fhwa.dot.gov/engineering/hydraulics/library_listing.cfm	W
FHWA	Hydraulic Engineering Circular Number 22 (HEC-22), Urban Drainage Design Manual, Third Edition (FHWA-NHI-10-009) http://www.fhwa.dot.gov/engineering/hydraulics/library_listing.cfm	W
FHWA	Hydraulic Engineering Circular Number 23 (HEC-23), Bridge Scour and Stream Instability Countermeasures: Experience, Selection and Design Guidance Third Edition, Volume 1 and 2 (FHWA-NHI-09-111 and FHWA-NHI-09-112) http://www.fhwa.dot.gov/engineering/hydraulics/library_listing.cfm	W
FHWA	<i>Mechanically Stabilized Earth Walls and Reinforced Soil Slopes Design and Construction Guidelines (FHWA-NHI-00-043)</i> http://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	<i>Soil Nail Walls Reference Manual (FHWA-NHI-14-007)</i> https://www.fhwa.dot.gov/engineering/geotech/pubs/nhi14007.pdf	W
FHWA	<i>Micropile Design and Construction Guidelines – Implementation Manual (FHWA-SA-97-070)</i> http://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	<i>Micropile Design and Construction Reference Manual (FHWA-NHI-05-039)</i> http://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
FHWA	<i>Post-Tensioning Tendon Installation and Grouting Manual (FHWA-NHI-13-026)</i> https://www.fhwa.dot.gov/bridge/construction/pubs/hif13026.pdf	W
FHWA	<i>Pressuremeter Test for Highway Applications (FHWA-IP-89-008)</i> http://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W

Organization	Standard	Availability
FHWA	<i>Subsurface Investigations – Geotechnical Site Characterization Reference Manual (FHWA-NHI-01-031)</i> http://www.fhwa.dot.gov/engineering/geotech/library_listing.cfm	W
Illuminating Engineering Society of North America	<i>Roadway Lighting ANSI Approved</i>	IS
Institute of Transportation Engineers (ITE)	<i>Standards</i>	IS
International Code Council (ICC)	<i>International Building Code</i>	IS
International Municipal Signal Association	<i>Specification No. 50-2</i>	IS
International Society of Arboriculture (ISA) and the Council of Tree and Landscape Appraisers	<i>Guide for Plant Appraisal</i>	IS
Military Specifications	<i>MIL-A-8625F</i>	IS
WisDOT	<i>WisDOT Transportation Construction General Permit (TCGP) Guidance</i> chrome-extension: https://wisconsindot.gov/Documents/doing-bus/eng-consultants/cnslt-rsrcs/environment/tcgp-guidance.pdf	W
Wisconsin Department of Natural Resources (DNR)	<i>Invasive Species Best Management Practices</i> https://dnr.wisconsin.gov/topic/Invasives/bmp.html	W
WisDOT	<i>Wisconsin Bicycle Facility Design Handbook</i> https://wisconsindot.gov/Documents/projects/multimodal/bike/facility.pdf	W
WisDOT	<i>Bridge Manual</i> https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/strct/bridge-manual.aspx	W
WisDOT	<i>Bridge Manual Standard Detail Drawings</i> https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/strct/bridge-manual-standards.aspx	W
WisDOT	<i>Construction and Materials Manual (CMM)</i> https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/rdwy/cmm.aspx	W
WisDOT	<i>Facilities Development Manual</i> https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/rdwy/fdm.aspx	W
WisDOT	<i>Geotechnical Manual</i> https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/geotechmanual/default.aspx	W
WisDOT	<i>ITS Design and Operations Guide</i> https://wisconsindot.gov/Pages/doing-bus/local-gov/traffic-ops/manuals-and-standards/its/its.aspx	W

Organization	Standard	Availability
WisDOT	Ramp Meter Retiming Manual https://wisconsindot.gov/dtsdManuals/traffic-ops/manuals-and-standards/rampmeter.pdf	W
WisDOT	Local Program Real Estate Manual (LP RE Manual) https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/re/lpa-manual.aspx	W
WisDOT	Highway Maintenance Manual (HMM) https://wisconsindot.gov/Pages/doing-bus/local-gov/hwy-mnt/mntc-manual/default.aspx	W
WisDOT	Wisconsin Manual on Uniform Traffic Control Devices (WMUTCD) https://wisconsindot.gov/dtsdManuals/traffic-ops/manuals-and-standards/wmutcd/wismutcd.pdf	W
WisDOT	Wisconsin Sign Plate Manual https://wisconsindot.gov/Pages/doing-bus/local-gov/traffic-ops/manuals-and-standards/signplate/signplate.aspx	W
WisDOT	Wisconsin Bicycle Transportation Plan 2020 https://wisconsindot.gov/Documents/projects/multimodal/bike/2020-plan.pdf	W
WisDOT	Sign Code Manual https://wisconsindot.gov/dtsdManuals/traffic-ops/manuals-and-standards/signcode/signcode.pdf	W
WisDOT	Real Estate Program (REPM) Manual https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/re/repm.aspx	W
WisDOT	Southwest Improvement Guidance (SWIG) https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/swig/default.aspx	W
WisDOT	Standardized Special Provisions (STSP)	W
WisDOT	Standard Detail Drawings (SDDs) https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/rdwy/sdd.aspx	W
WisDOT	Standard Specifications for Highway and Structure Construction 2021 Edition https://wisconsindot.gov/rdwy/stndspec/ss-00-10.pdf	W
WisDOT	Structures Inspection Manual https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/strct/inspection-manual.aspx	W
WisDOT	Structures Special Provisions https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/strct/special-provisions.aspx	W
WisDOT	Work Zone Field Manual https://wisconsindot.gov/dtsdManuals/traffic-ops/manuals-and-standards/wzfm/wzfm.pdf	W
WisDOT	Traffic Engineering, Operations and Safety Manual https://wisconsindot.gov/Pages/doing-bus/local-gov/traffic-ops/manuals-and-standards/teops/default.aspx	W

Organization	Standard	Availability
WisDOT	<i>Traffic Signal Design Manual</i> https://wisconsindot.gov/Pages/doing-bus/local-gov/traffic-ops/manuals-and-standards/tsdm/tsdm.aspx	W
WisDOT	<i>Guide to Utility Accommodation (WGUC)</i> https://wisconsindot.gov/Pages/doing-bus/eng-consultants/cnslt-rsrces/util/ucguide.aspx	W
National Electrical Manufacturers Association (NEMA)	Standards	IS
National Fire Protection Agency (NFPA)	<i>National Electric Code</i>	IS
National Spatial Data Infrastructure (NSDI)	<i>Geospatial Positioning Accuracy Standards, Part 3: National Standards for Spatial Data Accuracy, FGDC-STD-007.3-1998</i> https://www.fgdc.gov/standards/projects/accuracy/part3	W
National Transportation Communications for ITS Protocol Standards (NTCIP)	Standards	IS
NEMA/ Joint Publication/ Insulated Cable Engineers Association (ICEA)	Standards	IS
Post-Tensioning Institute (PTI)	<i>Acceptance Standards for Post-Tensioning Systems</i>	IS
Secretary of the Interior	<i>Standards for the Treatment of Historic Properties</i> http://www.nps.gov/tps/index.htm	W
Telcordia	Document No. GR-196, Issue 1, Generic Requirements for Optical Time Domain Reflectometer (OTDR) Type Equipment	IS
Telcordia	Document No. GR-326, Issue 3, Generic Requirements for Single-Mode Optical Fiber Connectors and Jumper Assemblies	IS
Telcordia	Document No. SR-4731, Issue 1, Optical Time Domain Reflectometer (OTDR) Data Format	IS
The Society for Protective Coatings	SSPC-PA2 <i>Measurement of Dry Coating Thickness with Magnetic Gages</i>	IS
The Society for Protective Coatings	SSPC-QP1 <i>Standard Procedure for Evaluating Painting Contractors (Field Application to Complex Industrial Structures)</i>	IS
The Society for Protective Coatings	SSPC-QP2 <i>Standard Procedure for the Qualification of Painting Contractors (Field Removal of Hazardous Coatings from Complex Structures)</i>	IS
The Society for Protective Coatings	AISC-420-10/SSPC-QP3 <i>Certification Standard for Shop Application of Complex Protective Coating Systems</i> https://www.aisc.org/globalassets/certification/qms/standard-for-shop-application-of-complex-protective.pdf	W
TIA	Standards	IS

Organization	Standard	Availability
Transportation Research Board (TRB)	<i>Highway Capacity Manual</i>	IS
TRB	(National Cooperative Highway Research Program) NCHRP 350, Recommended Procedures for the Safety Performance Evaluation of Highway Features http://onlinepubs.trb.org/onlinepubs/nchrp/nchrp_rpt_350-a.pdf	W
U.S. Army Corps of Engineers (USACE)	<i>Wetlands Delineation Manual</i> https://www.nae.usace.army.mil/Portals/74/docs/regulatory/JurisdictionalLimits/wlman87.pdf	W
U.S. Department of Agriculture (USDA)	Rural Utilities Service (RUS) Specifications	IS
U.S. Department of Transportation (USDOT)	Architecture Reference for Cooperative and Intelligent Transportation http://local.iteris.com/arc-it/	W
U.S. General Services Administration	Color Standard AMS Standard 595	IS
U.S. Geological Survey (USGS)	<i>Generalized Skew Coefficients for Flood-Frequency Analysis in Wisconsin, Report</i>	IS
U.S. Public Access Board	<i>2010 Standards for Accessible Design</i> http://www.ada.gov/2010ADASTandards_index.htm	W

2 Design-Build Manual Modifications

2.1 General Information

This document contains contractual modifications to manuals and standards necessary for their use on Department Design-Build projects. This document is divided into three sections:

1. **Applicability.** This section lists the manuals and standards modified by this document.
2. **General Modifications.** This section contains general modifications that may apply to any or all of the manuals and standards listed under “Applicability.”
3. **Specific Modifications.** This section contains specific modifications that apply to one manual or standard listed under “Applicability.” These modifications take precedence over the “General Modifications” when in conflict.

2.2 Applicability

This document applies to the following Department manuals and standards:

1. Bridge Manual
2. Bridge Manual Standard Drawings
3. Construction and Material Manual (CMM)
4. Facilities Development Manual (FDM)
5. Geotechnical Manual
6. Local Public Agency Manual for Right of Way Acquisition (LPAM)
7. Highway Maintenance Manual (HMM)
8. Wisconsin Manual on Uniform Traffic Control Devices (WMUTCD)
9. Real Estate Program Manual (REPM)
10. Southwest Improvement Guidance (SWIG)
11. Structures Inspection Manual
12. Structures Preservation Manual
13. WisDOT Guide to Utility Coordination (WGUC)
14. Traffic Engineering, Operations and Safety Manual (TEOpS)
15. ITS Design and Operations Guide
16. Ramp Meter Retiming Manual
17. Sign Plate Manual
18. Sign Code Manual

19. Traffic Signal Design Manual (TSDM)

20. Wisconsin Bicycle Facility Design Handbook

2.3 General Modifications

The following modifications apply to all manuals listed under “Applicability” unless modified in the Specific Modifications:

1. Most of these manuals were created as internal guidance documents for use by the Department and its consultants on design-bid-build projects. As such, they are often written to provide guidance as opposed to setting mandatory, contractual requirements. For the purposes of design-build projects, all provisions in these manuals are mandatory and all guidelines are requirements. All words such as “should,” “may,” “could,” and “can” are replaced by “will” unless the context requires otherwise, as determined at the sole discretion of the Department. Disregard qualifying words such as “usually,” “normally,” and “generally.” the Department has the sole discretion to determine when the context does not require a provision to be mandatory.
2. All words such as “necessary,” “needed,” “preferred,” or “recommended,” when applied to actions or other provisions, indicate that those actions and provisions are required unless the context requires otherwise as determined at the sole discretion of the Department.
3. Do not conduct activities described with phrases such as “is not normally used,” “is not good practice,” “should never be done,” “cannot be used,” or “should be avoided.” The Department has the sole discretion to determine when the context either requires or does not require a provision to be mandatory.
4. In situations where a Department practice or policy is referenced, the requirements of the practice or policy are mandatory requirements unless the context requires otherwise. The Department has the sole discretion to determine when the context does not require a practice or policy to be mandatory.
5. In situations where a manual refers to the “Engineer,” “designer,” “project manager,” an employee of the Department, etc., the term refers to the Design-Builder when it relates to design responsibilities or other technical issues. The term refers to the Department when it relates to administrative issues. The Department has the sole discretion to determine when the context refers to technical or administrative responsibilities.
6. When a manual includes statements that are required unless Approved by the Engineer (or equivalent wording), the Design-Builder must comply with the requirements unless a Change Order is Approved by the Department.
7. References to “approved” mean “Approved by the Department.”
8. Disregard references to “Method of Measurement,” “Measure,” “accept quantities,” “will pay for,” and similar phrases. Payment will be at the Contract Price for the completed Project, irrespective of the quantities of various components incorporated in the Work.

- a. Disregard references to “Basis of Payment,” “Payment,” “unit price,” “adjustment,” and similar phrases except as identified in the Contract, such as statements applicable to incentives or disincentives for completed Work.
- b. Disregard references to “additional work,” “adjustment to compensation,” “Extra Work,” “pay extra,” “at the expenses to the Department,” or similar phrases. Payment of the Contract Price will be full compensation for all Work performed pursuant to the Contract unless specific provisions for additional payments are contained in the Contract Documents.
- c. Actions and items referred to as “incidental” will be included in the Project. Payment of the Contract Price will be full compensation for this Work.
- d. All references to specific Department regions, divisions, or personnel are removed and replaced by “the Department.” All project communication must pass through the Department’s Project Manager.
- e. Items referred to in the “plans” or “special provisions” mean the Design-Builder’s plans or special provisions unless the Contract includes applicable plans or special provisions.
- f. When a manual refers to standard specifications or other manuals, the version of these specifications or manuals applicable to this design-build project is the design-build modified version current at the time of RFP advertisement unless specifically addended.

If, despite the guidance in this document, the Design-Builder is uncertain whether a manual requirement applies or does not apply under the Design-Build Project Contract, ask the Department for clarification. The Department will make a determination at its sole discretion.

2.4 Specific Modifications

The following modifications apply only to the manuals listed below. Any “Specific Modifications” in this section take precedence over the “General Modifications.”

Bridge Manual and Bridge Manual Standard Drawings

No.	Section	Subheading	Modification
1	General	---	Replace “Consultants,” “Contractor,” and “Engineer” with “Design-Builder”

Construction and Material Manual (CMM)

No.	Section	Subheading	Modification
1	165.14	As-Built Plans	Replace “Project Engineer” with “Design-Builder”

Facilities Development Manual (FDM)

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Geotechnical Manual

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Local Public Agency Manual for Right of Way Acquisition (LPAM)

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Highway Maintenance Manual (HMM)

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Wisconsin Manual on Uniform Traffic Control Devices (WMUTCD)

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Real Estate Program Manual (REPM)

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Southwest Improvement Guidance (SWG)

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Structures Inspection Manual

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Structures Preservation Manual

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

WisDOT Guide to Utility Coordination (WGUC)

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Traffic Engineering, Operations and Safety Manual (TEOpS)

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

ITS Design and Operations Guide

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Ramp Meter Retiming Manual

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Sign Plate Manual

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Sign Code Manual

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Traffic Signal Design Manual (TSDM)

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

Wisconsin Bicycle Facility Design Handbook

No.	Section	Subheading	Modification
1	TBD	TBD	TBD

TEMPLATE

3 Design-Build Modifications to Technical Memoranda

Technical Memoranda are available on the Department's website. The following notes apply to any Technical Memoranda that may be applicable to this Project:

1. The Design-Builder will disregard the Expiration paragraph if the Technical Memo expires after the Project completion date. If the Technical Memo expires during the Project, the Design-Builder will contact the Department to determine if they should continue to use the Technical Memo or if it will be replaced.
2. When a Technical Memo refers to an activity that "must" be done, that "is" done, or that is recommended, the Design-Builder will assume those activities are mandatory.
3. All references to "should" will mean "will."
4. All references to the Engineer will mean the Design-Builder unless otherwise directed by the Department.
5. Any references related to pay items or quantities, measurement for payment, method of measurement, basis of payment, extra work, adjustment of unit prices, or similar phrases will be disregarded by the Design-Builder, since the Contract Price is full compensation for all Work.
6. No changes have been made to provisions in the Technical Memoranda that do not apply to design-build contracts, but that provide general information (e.g., descriptions of the Department's divisions and their duties, descriptions of legal authority, or descriptions of internal Department procedures); however, in some cases it may not be clear whether rights or responsibilities are applicable to the Design-Builder. If it is unclear whether specific provisions in a Technical Memo are applicable to the Design-Builder, the Design-Builder will raise the issue with the Department, and the Department will make that determination at its sole discretion.
7. The Design-Builder will disregard the paragraph within the Technical Memo relating to questions. All questions will be taken to the Department's Project Manager.

4 Design-Build Modifications to the Department's Special Provisions

4.1 General

These Contract Provisions are based on the Department's template Special Provisions and contain requirements generally applicable to the Work to be performed by the Design-Builder. In certain cases, Special Provisions have been superseded by other provisions of the Contract Documents found in Book 1 or Book 2. Special Provisions generally follow the numbering system of the *Standard Specifications for Highway and Structure Construction*; therefore, this document follows that same system and identifies provisions that have replaced or modified clauses in the Special Provisions.

Any references to other standards, codes, or criteria, or to the latest version of other standards, codes, or criteria in Book 2 of the Contract Documents will mean the latest version as of the RFP release date. Unless otherwise designated, when AASHTO, ASTM, FSS, AWS, CRSI, UL, or other specifications, standards, methods, tests, or practices are cited in these Special Provisions, the reference will be to the latest edition as revised or updated by approved supplements or interim editions published and issued as of the RFP release date. By mutual agreement, the referenced provisions may govern as updated to the time of application.

The Department's Special Provisions template often contains blanks for project-specific choices. In these Contract Provisions, some of those blanks may have been filled in or have been superseded by other portions of the Contract. The blanks that remain may be filled in at the Design-Builder's discretion, but are subject to the Department's Approval, as described in Book 2, Section 5 (Quality Management).

All Special Provisions provided in Book 3 are incorporated herein, except as otherwise provided in the Contract Documents, and with the following general and specific exceptions:

4.2 General Exceptions:

1. When these Special Provisions refer to "Measurement," "Pay Plan Quantity," or "Measured Quantities," such language will be disregarded. It is not the intent of the Design-Build Contract that the various components of the Work will be measured for payment. Final payment will be at the Contract Price for the completed Project irrespective of the quantities of the various components incorporated in the Work.
2. When these Special Provisions refer to "Payment," to "contract unit prices," or to "payment is full compensation," such references and language will be disregarded, except unit prices as identified in Book 2.
3. When these Special Provisions refer to "extra work," "compensation for," "at the Department's expense," "at the Design-Builder's expense," "quantity adjustments," "equivalent quantities," or similar phrases, such references will be disregarded. It is the

intent that the payment of the Contract Price will be full compensation for all Work performed pursuant to the Design-Build Contract unless specific provisions for additional payments are contained in the Contract Documents.

4. Special provisions modify the *Standard Specifications for Highway and Structure Construction* with various references such as “provision of the Department {specification section number},” “the Department {specification section number},” or “standard spec {specification section number}.” When Special Provisions refer to the *Standard Specifications for Highway and Structure Construction*,” such reference will mean the *Standard Specifications for Highway and Structure Construction* as modified by the Contract Documents.
5. When these Special Provisions refer to the term “incidental” such term will mean that the costs will be included in the Design-Builder’s price proposal for the completed Project
6. When a reference to “Engineer” relates to design responsibilities or other technical issues, “Engineer” will mean the Design-Builder’s Design Manager. When a reference to “Engineer” relates to administrative issues, “Engineer” will mean the Department. It will be in the Department’s sole discretion to determine when the context refers to technical or administrative responsibilities.