

Ancillary Structures

Ancillary structures include sign structures (S), signal monotubes (S), noise barriers (N), retaining walls (R), high mast lighting structures (L), and small bridges (C) (see below for more detailed definitions).

Design: These structures require a unique structure id, similar to bridges. A unique structure id can be acquired by submitting a Request for Structure Number Form to the Regional Ancillary PM. BOS is currently working on a statewide form for each structure type, and is scheduled to be released in spring, 2016.

Construction: All pertinent documentation (structural inventory form, design computations, plans, as-builts, shop drawings, etc.) needs to be submitted to the Bureau of Structures (BOS) either by the e-submittal process or processes laid out in the standard specifications and/or special provisions. This documentation will be stored in the Highway Structures Information System (HSI). Inventory forms will need to be filled out by local program managers, or the designer of the project. Training/assistance is available from the Bureau of Structures on filling out these forms. Please see the back page of this document for contact information. These forms can be found at this address:

<http://www1.wisconsin.gov/Pages/doing-bus/eng-consultants/cnslt-rsrcs/strct/inv-forms.aspx>

Inspection: In addition all sign, signal, or high mast lighting structures built for local agencies using one of our improvement projects will have an initial inspection under our master contract (charged to the construction improvement project ID) with the understanding that the local agency is responsible for in-service inspections and maintenance after the project is complete. Please coordinate with your Regional Ancillary PM to schedule inspections. Initial inspections shall be completed within 2-weeks of installation.

Sign/Signal Structures (S-xx-xxxx):

Definition: An overhead support structure used for the placement of highway directional signs, informational signs, and traffic signals with accompanying small traffic control signs. Signal monotubes include Type 9/10, and Type 12/13 bases.

Reminder: For new installations, the contractor shall submit the following applicable forms within 24 hours after installation. The forms need to be forwarded to the Regional Ancillary PM prior to initial inspection:

DT2113 – Record – Rotational Capacity Test

DT2321 – High Strength Steel Anchor Rod Installation Tensioning Record

DT2322 – Ancillary Structures Pre-Installation Verification Test of High Strength Bolts

BOS Design/Construction Contact(s): Vu Thao (Signs) 608-267-2869
Alex Crabtree (Signals) 608-266-3686

Noise barriers (N-xx-xxxx):

Definition: A structure constructed to alter the normal noise travel at a site.

BOS Design/Construction Contact(s): Jon Resheske 608-266-8491
Matt Coupar 608-266-5083

Retaining Walls (R-xx-xxxx):

Definition: A structure used to provide lateral resistance for a mass of earth or other material to accommodate a transportation facility. Guidelines for numbering retaining walls can be found in section 14.1.1.1 of the Wisconsin Bridge Manual.

BOS Design/Construction Contact(s): James Luebke 608-266-5098
Emily Kuehne 608-266-5089

High Mast Lighting (L-xx-xxxx):

Definition: A tall lighting structure used to increase visibility at night.

BOS Design/Construction Contact(s): Bill Dreher 608-266-8489

Small Bridges (C-xx-xxxx):

Definition: A small bridge requires a unique structural design and has a clear opening of 20 foot or less measured along the centerline of roadway. In general, culvert pipes are not considered small bridges. (A more complete definition can be found in the attached memo).

BOS Design/Construction Contact(s): Danielle DeTennis 608-266-8689
 Nick Rice 608-266-5092

Other useful contact information:

NE Region	Brady Rades – Ancillary PM	920-492-4152
NW Region	Kyle Harris – Ancillary PM	715-579-3516
NC Region	Anthony Stakston – Ancillary PM	715-421-8345
SE Region	Jason Zemke – Ancillary PM	262-548-8734
	Tom Heydel (Signs)	262-548-6763
	Dan Dedrick (Signals)	262-548-5894
	Eric Perea (HML)	262-574-5422
SW Region	David Bohnsack – Ancillary PM (La Crosse)	608-785-9781
	Shiv Gupta – Ancillary PM (Madison)	608-243-5983
	Dena Dramm (HML)	608-246-5360
Bureau of Structures	David Genson – Supervisor – Inspection & Repair Unit	608-266-3722
	Travis McDaniel – Statewide Ancillary Inspection PM	608-266-5097
	Ryan Bowers (HSI, Document Storage, Inventory Forms)	608-267-3577
	Kristen Revello (Shop Drawings & E-Submit)	608-266-5090
	Matt Coupar (Bridge Inspections)	608-266-5083
Bureau of Traffic Operations	David Karnes (Signals)	414-220-6804
	Matt Rauch (Signs)	608-246-5305
	Jay Hille (Signs)	608-243-5981