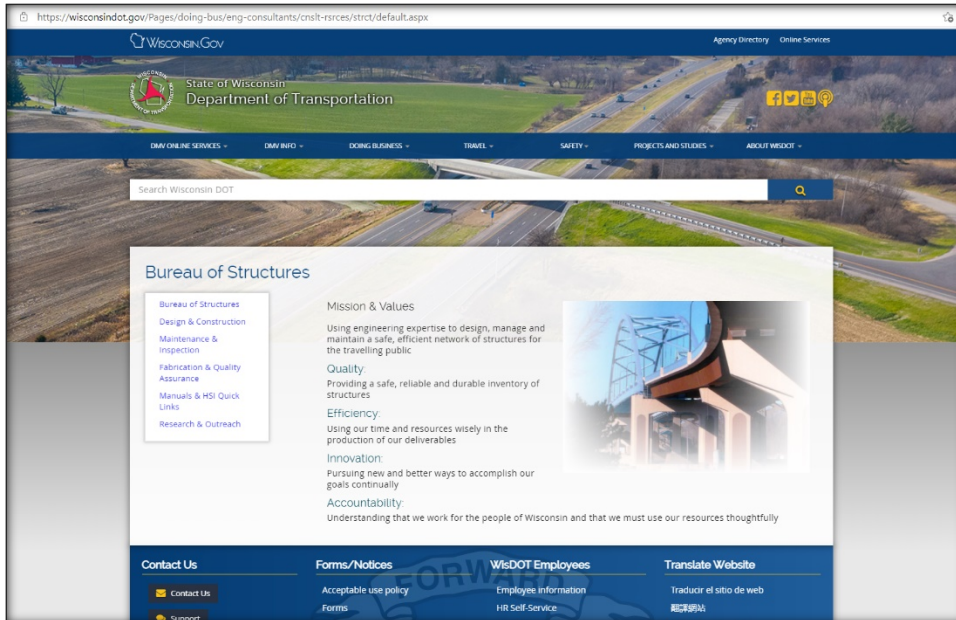


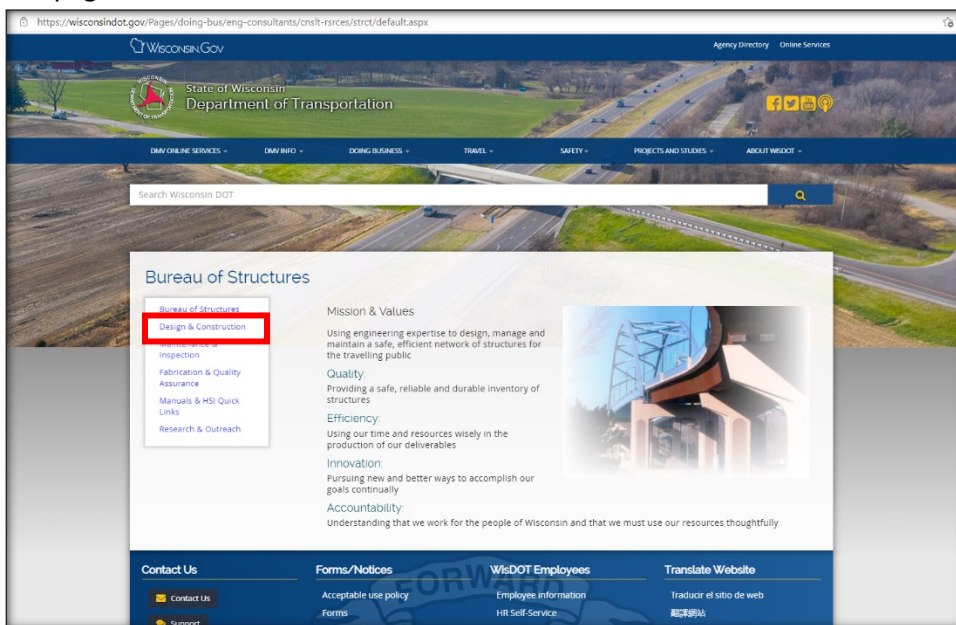
## Standard Bridge Design Tool User Guide

This document outlines the process steps to be followed in order to utilize the WisDOT Bureau of Structures (BOS) Standard Bridge Design Tool (SBDT). If you have any questions about this process, contact the BOS Design Chief for more information.

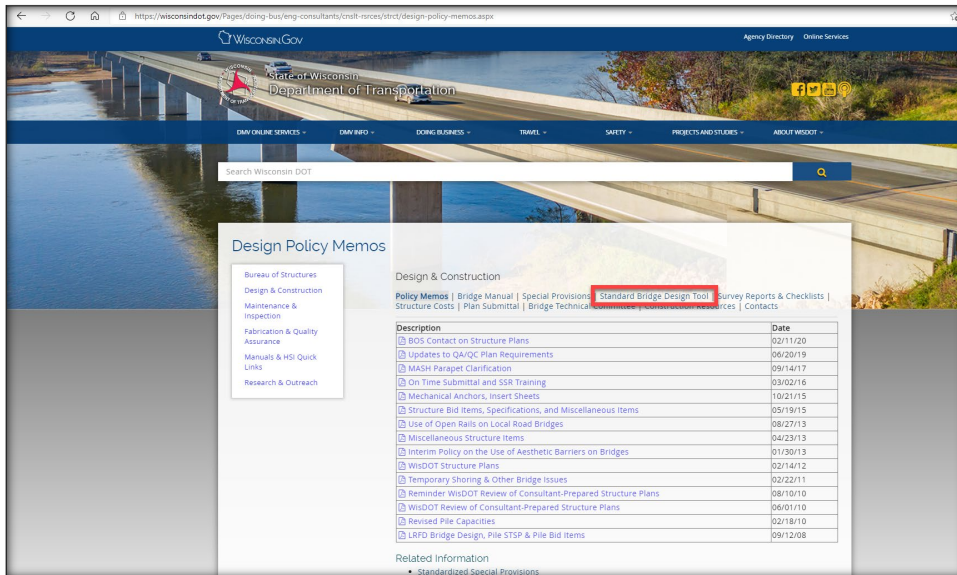
1. Navigate to the BOS webpage (<https://wisconsin.gov/Pages/doing-bus/eng-consultants/cnslt-rsrccs/strct/default.aspx>).



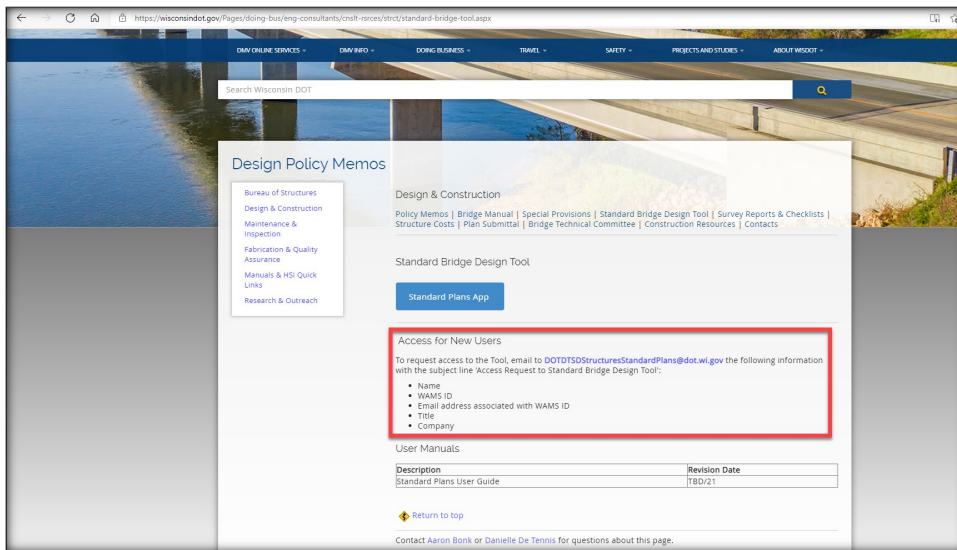
2. Within the BOS webpage, click on the "Design & Construction" link on the left side of the webpage.



- On the “Design & Construction” page within the BOS webpage, click on the “Standard Bridge Design Tool” link within the page ribbon at the top of the screen.

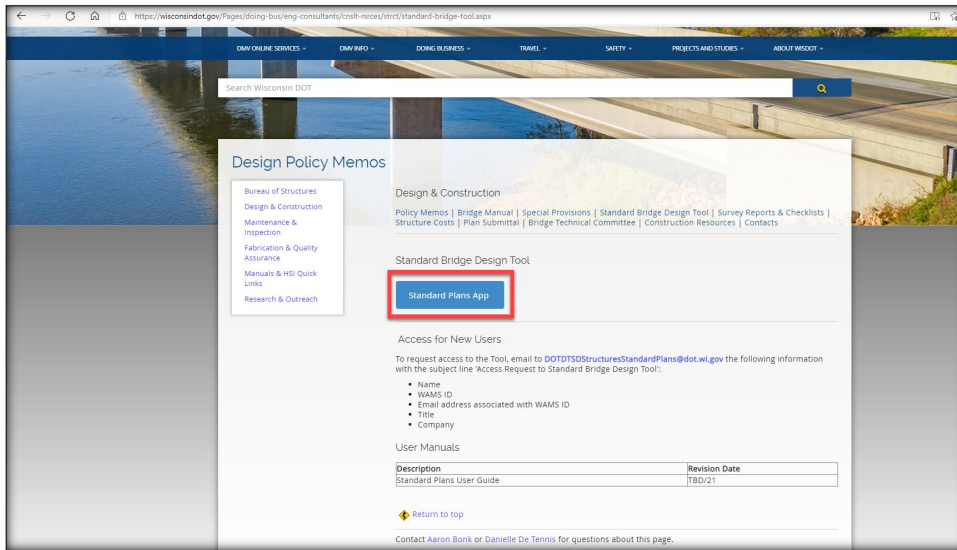


- For first time users of the tool, access must be requested via email. Instructions for sending the request are located on the SBDT webpage.

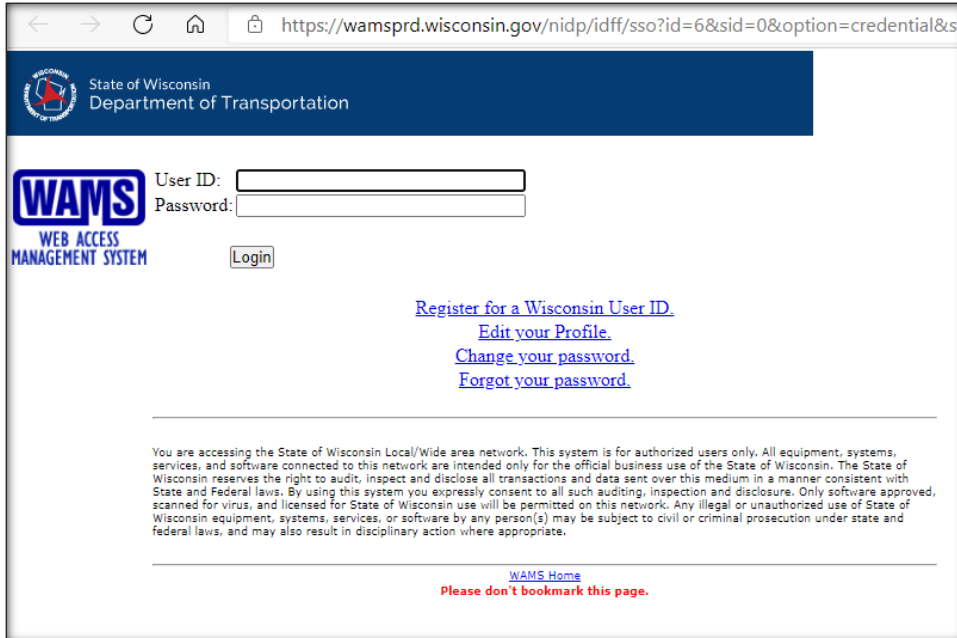


- These email requests will be sent into BOS for review and acceptance. Reviews are anticipated to be completed within 1 business day. If granted access, an email will be sent back to the requestor indicating the user and the associated WisDOT Web Access Management System (WAMS) ID have been granted access to utilize the tool.

6. After having access to utilize the tool, the design engineer should click on the “Standard Plans App” box in the middle of the webpage.



7. After clicking on the “Standard Plans App” button, the WisDOT WAMS logon page will load. Enter your WAMS User ID and Password to gain access to the SBDT. Note that this is the same logon credentials used for access to the WisDOT Highway Structures Information System database. If you do not have WAMS credentials, you may obtain them by clicking on the “Register for a Wisconsin User ID” link on this page.

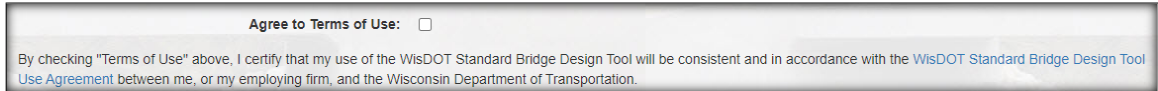


8. After logging in to the SBDT via your WAMS credentials, the following user interface will appear.

9. Based on the preliminary engineering completed for a given project, the designer should make selections for each of the 7 different parameters involved with the tool. For more information on the options associated with each of these parameters, see the following guidance document (<https://wisconsin.gov/Documents/doing-bus/local-gov/lpm/standard-plans-parameters.pdf>).

10. In addition to the project specific bridge parameters, the designer will also need to select the project type (State Let vs. Local Let). For State Let projects, the designer will need to manually insert the Construction ID for the bridge project into the open data field within the SBDT. Additionally, optional data fields for the Design ID and Structure ID are available and are recommended to be filled out.

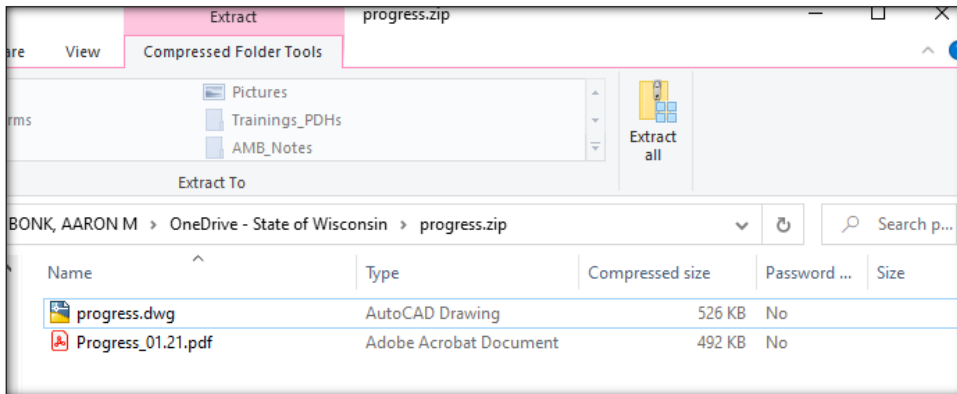
11. The designer will need to check the “Agree to terms of Use” check box within SBDT in order to get access to the auto-generated bridge plans. The language included in the SBDT user interface includes a link to the WisDOT Standard Bridge Design Tool Use Agreement form. This form does not need to be filled out with each use of the tool, as each firm utilizing the tool needs to have a signed copy of this document on file with the BOS Design Chief prior to working on State Let projects. The Use Agreement form is included within the SBDT for reference only.



12. The final step of the process is to click on the “Get Plan” button at the bottom of the SBDT user interface.



13. After clicking on the “Get Plan” button, a ZIP file will open up containing the AutoCAD .dwg file for use in compiling the preliminary and final structure plans based on the selected project parameters. Additionally, a .pdf file is included in the ZIP file for reference and use by the designer as desired. The designer should then download/save copies of the SBDT files to their local drives for use.



14. After obtaining the .dwg file, it is the responsibility of the designer to update the plan sheets to meet the needs of the project. There are different fields within the file that require updating and are shown in the example plan sheet below in **RED**. There are multiple boxes and other features within the file that can be deleted once the project specific information is inserted. Note that any 'special' details will need to be added to these plan sets by the design engineer as needed (i.e., pile points, select crushed material for travel corridors, etc.).

