

MDOT – PQS Bridge Quantity Training

General Information

This goal of this training is to familiarize yourself with automated bridge rehab quantity generation.

Items Needed

- Blank PQS

Creating Quantities

1. Open a Blank PQS
2. Select the **Bridge** option in the **MDOT ribbon**
3. In the MDOT ribbon select **Create New > Create Calculation Sheet**
4. In the dialog box that appears select the overall rehab type
5. Fill out the dialog box that appears using the **Bridge Number** as the **Sheet Tab Name**

6. Scroll through the newly created tab and populate the cells in **yellow**
7. If new items are needed use the **Add Item** button at the top of the sheet
 - a. If your item is not available insert a blank item and use the orange search bar to look your item up.



Linking to Project Qnty Tab

1. In the MDOT ribbon select **Create New > Create Project Qnty**
 - a. This will use an in-cell reference to each of the quantities you created.

Updating to Project Qnty Tab

The Project Qnty tab will only need to be updated if pay items are added or removed.

1. In the MDOT ribbon select **Create New > Create Project Qnty**
 - a. This will add only new items

Creating Linking Tables

1. In the Project Qnty Tab select a **Part of Structure** designation for each item
2. In the MDOT ribbon select **Create New > Add Cad Qnty Sheet**
3. In the newly create tab select the filters that apply to your structure including the Funding Category and the Part of Structure
4. To add a table select **Add Qnty Table**
 - a. A new table will be added approximately 100 rows below the previous table.
5. Repeat steps 3 and 4 for each Part of Structure designation

Technical Support

Please email any questions, issues or problems associated with this document to:

MDOT-EngineeringSupportTraining@Michigan.gov

Additional Design Services Help and Support can also be obtained through the following email resources:

MDOT-BridgeDesignSupport@Michigan.gov – For help with bridge design software, cells, levels, and workspace tools.

MDOT-Drainage-Utility@Michigan.gov – For help with GEOPAK Drainage, drainage cells and other subsurface utility modeling tools.

MDOT-CaddSupport@Michigan.gov – For help with cells, levels, line styles, dimensions, and other CADD and workspace tools.

MDOT-RoadwayModelingSupport@Michigan.gov – For help with roadway modeling, modeling templates, civil cells and workspace tools.

MDOT-Survey_Support@Michigan.gov – For help with survey data, workflows and processes.