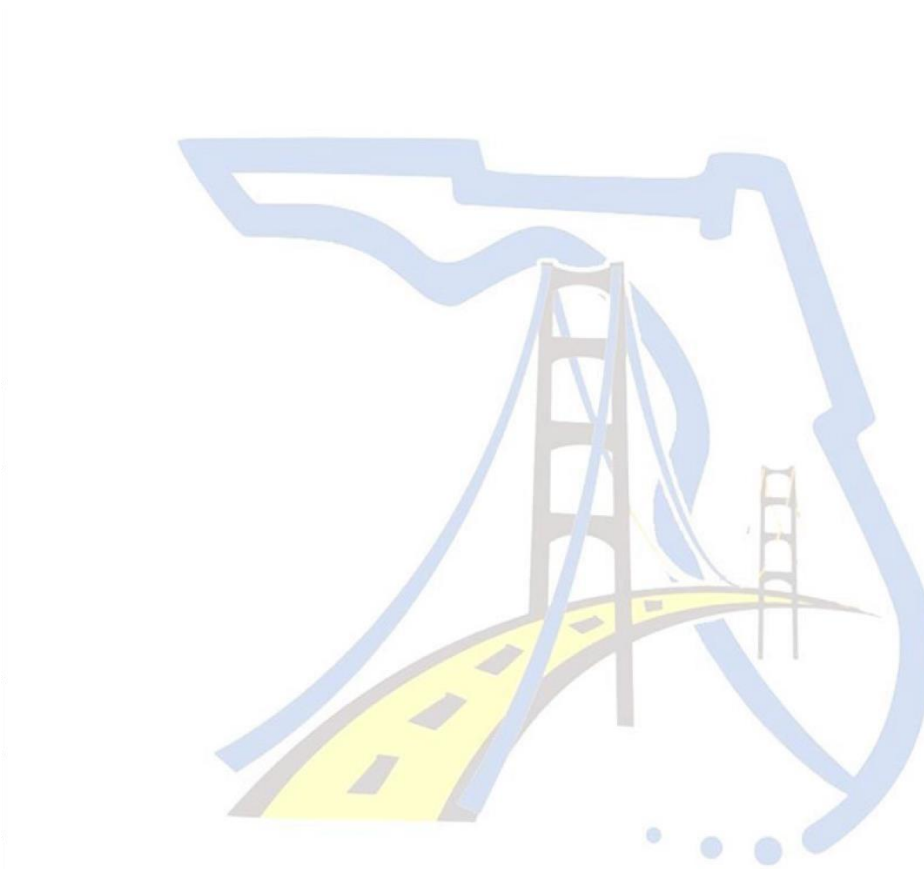




# FDOTConnect for OpenBridge Modeler



Raw Report Duplicate Removal Workflow

# White Paper

<https://www.fdot.gov/cadd>

*State of Florida*

*Department of Transportation*

# FDOTConnect

*for*

## OpenBridge Modeler

# **Raw Report Duplicate Removal Workflow**

**White Paper**

2025

PRODUCTION SUPPORT / CADD OFFICE

TALLAHASSEE, FLORIDA

*<http://www.fdot.gov/cadd>*

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## 2 RAW REPORT DUPLICATE REMOVAL WORKFLOW

### 2.1 Overview

Bentley Open BridgeModeler 2024 (OBM) provides comprehensive reporting tools that allow users to export a raw quantities report into Microsoft Excel for further processing by FDOT tools. However, a known issue exists where the exported Excel report can sometimes contain duplicate entries.

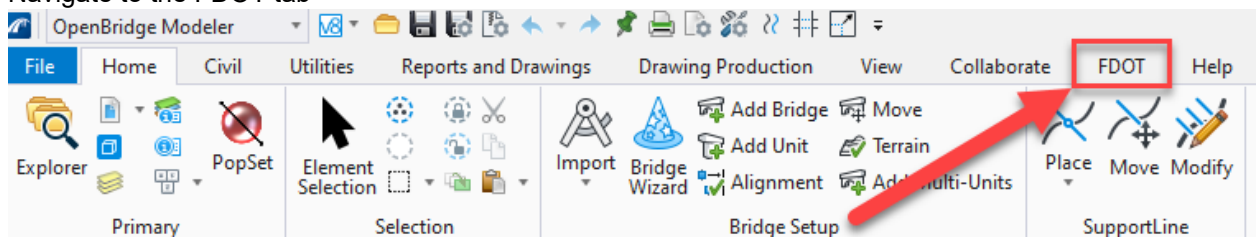
### 2.2 Objectives

This workflow guide covers the steps to remove duplicate rows from the raw report.

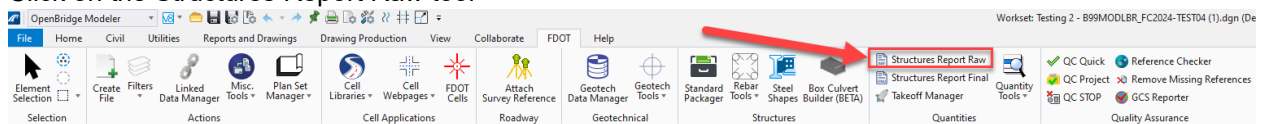
123456	Approach Slabs	0400	2 10	Concrete Class II, Approach Slabs	CY	27.51012393		APP SLAB 1
123456	Approach Slabs	0400	2 10	Concrete Class II, Approach Slabs	CY	27.51012393		APP SLAB 1
123456	Approach Slabs	0400	2 10	Concrete Class II, Approach Slabs	CY	27.51012393		APP SLAB 1
123456	Approach Slabs	0400	2 10	Concrete Class II, Approach Slabs	CY	27.51012393		APP SLAB 1
123456	Approach Slabs	0400	2 10	Concrete Class II, Approach Slabs	CY	27.51012393		APP SLAB 1
123456	Approach Slabs	0400	2 10	Concrete Class II, Approach Slabs	CY	38.51405714		APP SLAB 2
123456	Approach Slabs	0400	2 10	Concrete Class II, Approach Slabs	CY	38.51405714		APP SLAB 2
123456	Approach Slabs	0400	2 10	Concrete Class II, Approach Slabs	CY	38.51405714		APP SLAB 2
123456	Approach Slabs	0400	2 10	Concrete Class II, Approach Slabs	CY	38.51405714		APP SLAB 2
123456	Approach Slabs	0400	2 10	Concrete Class II, Approach Slabs	CY	38.51405714		APP SLAB 2

### 2.3 Creating the Raw Report

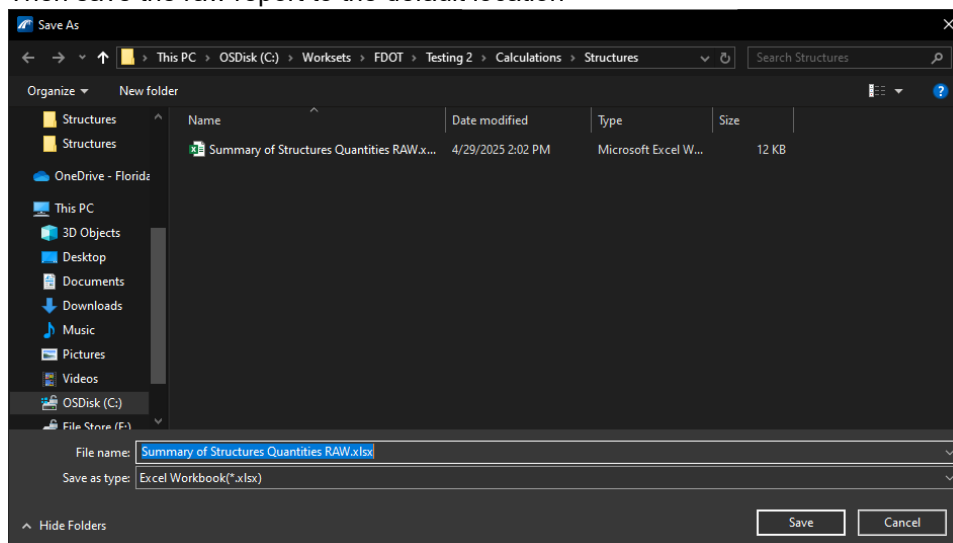
1. Navigate to the FDOT tab



2. Click on the Structures Report Raw tool



3. Then save the raw report to the default location



## 2.4 Removing Duplicates

To start we must open the *Summary of Structures Quantities RAW.xlsx* generated by the Structures Report Raw tool.

1. The Summary of Structures Quantities RAW.xlsx will be located in the calculations folder of the project

Name	Date modified	Type	Size
_Meta_Info	2/7/2025 9:31 AM	File folder	
3DDeliverables	2/7/2025 9:31 AM	File folder	
Administrative	2/7/2025 9:31 AM	File folder	
Architectural	2/7/2025 9:31 AM	File folder	
BridgeInspection	2/7/2025 9:31 AM	File folder	
Calculations	4/29/2025 2:03 PM	File folder	
Cell	2/7/2025 9:31 AM	File folder	
Concepts	2/7/2025 9:31 AM	File folder	
Construction	2/7/2025 9:31 AM	File folder	
Data	2/7/2025 9:31 AM	File folder	

2. Now navigate to the Structures folder under the Calculations folder

Name	Date modified	Type	Size
BlankTemplates	2/7/2025 9:33 AM	File folder	
Structures	4/29/2025 2:02 PM	File folder	

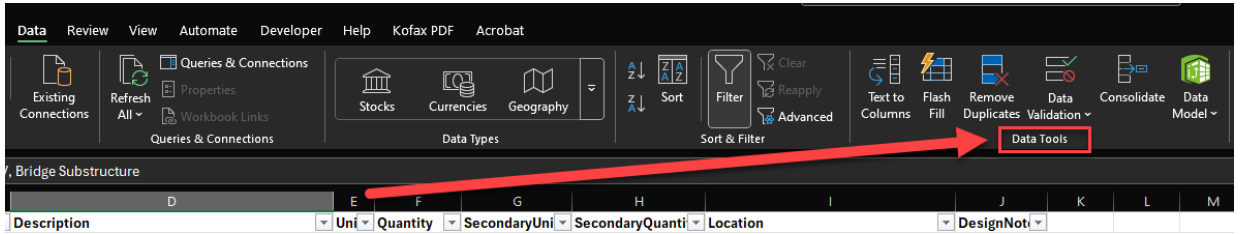
3. Then open the *Summary of Structures Quantities RAW.xlsx* by double clicking the file

Name	Date modified	Type	Size
Summary of Structures Quantities RAW.xlsx	4/29/2025 2:02 PM	Microsoft Excel W...	12 KB

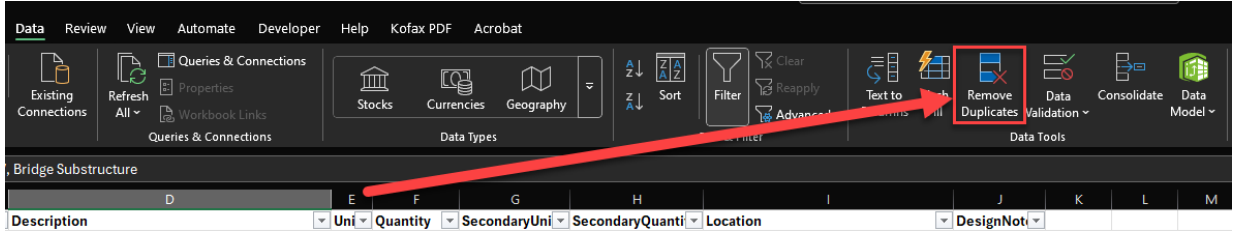
4. Once Excel is open, navigate to the Data tab

The screenshot shows the Microsoft Excel interface with the **Data** tab selected in the ribbon. A red arrow points to the **Data** tab. The ribbon includes **File**, **Home**, **Insert**, **Page Layout**, **Formulas**, **Data**, **Review**, **View**, **Automate**, and **Developer**. The **Data** tab is highlighted with a red box. Below the ribbon, the formula bar shows "Concrete Class IV, Bridge Substructure". The spreadsheet grid shows columns A, B, C, and D with headers: **BridgeNumb**, **Section**, **PayItemNumb**, and **Description**.

5. Locate the Data Tools section of the ribbon

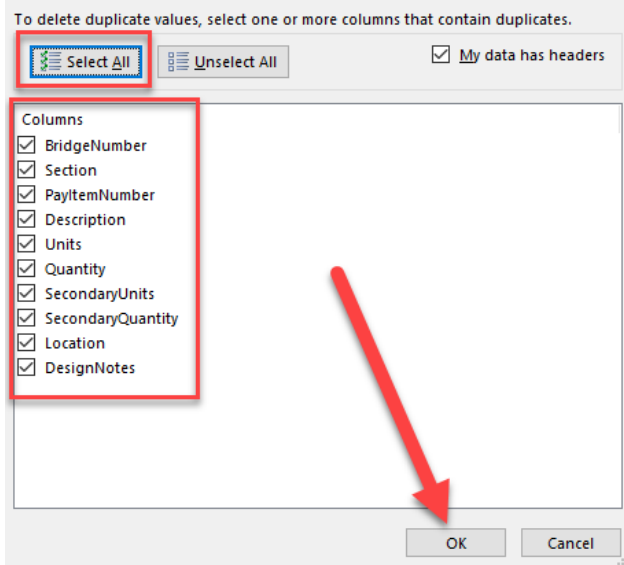


6. Click on the Remove Duplicates tool.

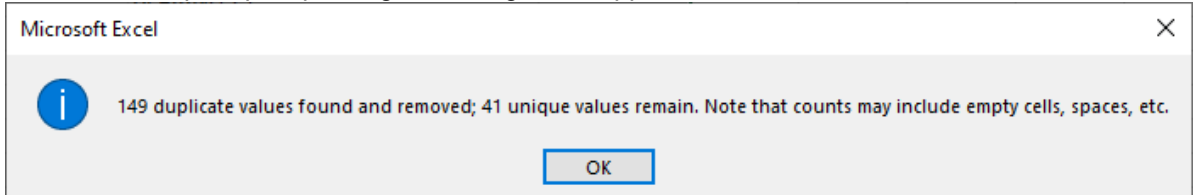


7. Click the Select All and click OK.

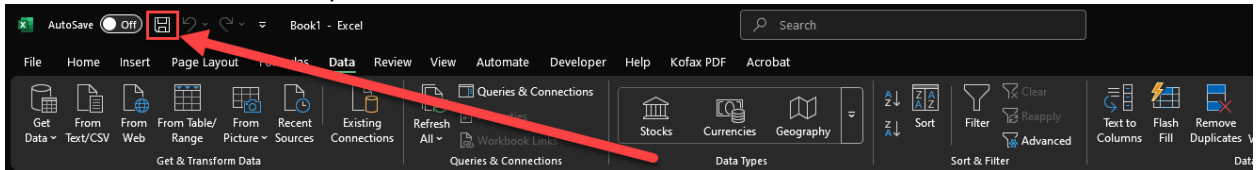
**NOTE:** If you get a warning prompt, make sure "Expand the selection" is selected.  
**WARNING:** All check boxes must be selected before proceeding.



8. An information prompt explaining the changes will appear. Click OK.



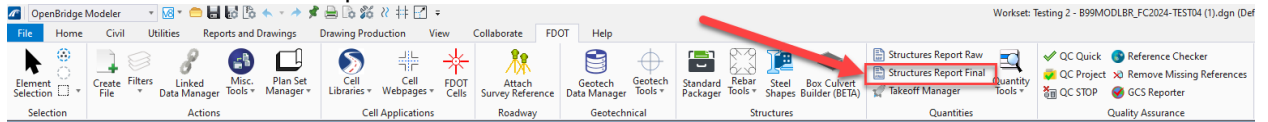
9. The file will now have all duplicates removed. Click the save button and close the file



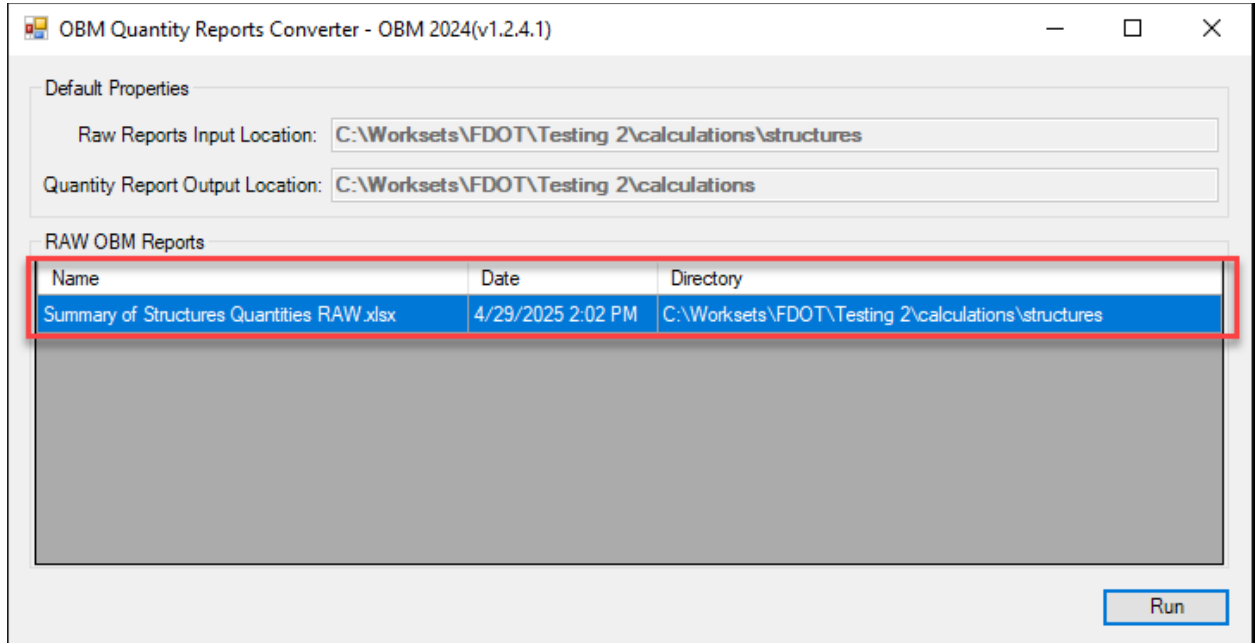
## 2.5 Creating the Structures Final Report

Back in OBM, under the FDOT tab we can now create the Structures Report Final

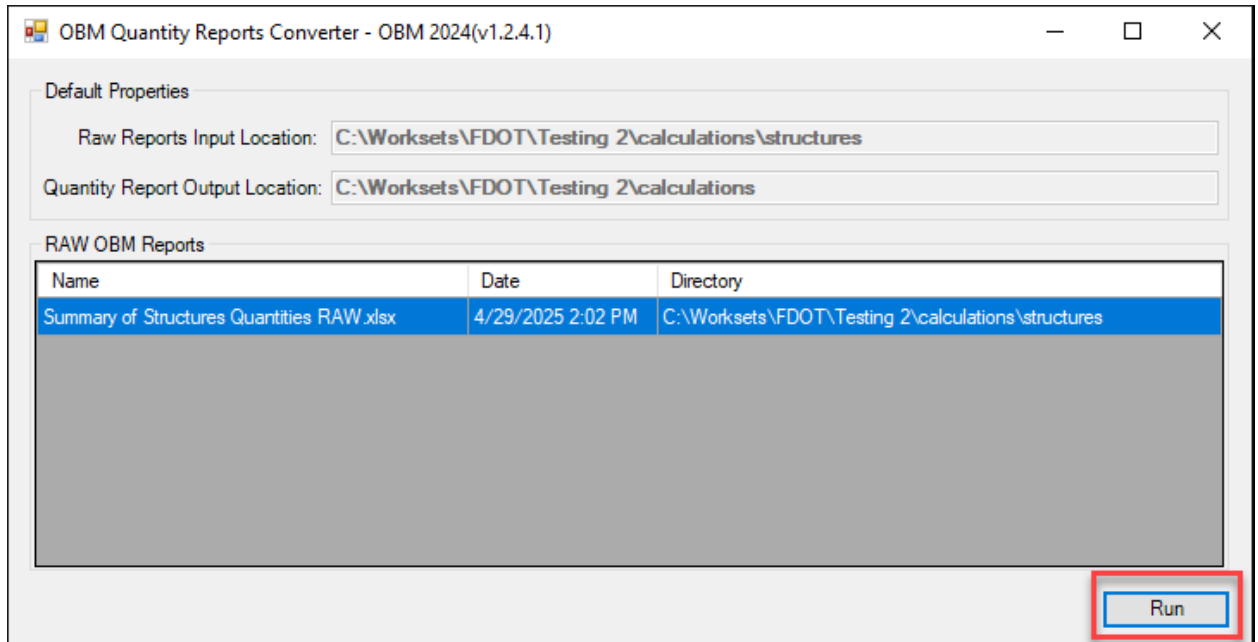
1. Click the Structures Final Report tool



2. Once the window is open, make sure the correct *Summary of Structures Quantities RAW.xlsx* is selected



3. Click run



4. The Excel file will open once the report has been generated

		Clipboard		Font		Alignment		Number		Styles				
A4												Approach Slabs		
A	B	D		H	W	X	Y	Z	AA	AB	AC	AJ	AN	AO
Summary of Structure Quantities - 123456														
Section	Pay Item Number	Pay Item Description	Unit of Measure	Quantity		Total Quantity		Secondary Quantity			Location	Design Notes	Construction Remarks	
				P	F	P	F	Unit	P	F	Location Description			
Approach Slab	0400 2 10	Concrete Class II, Approach Slabs	CY	27.51		66.0						APP SLAB 1		
				38.51								APP SLAB 2		
Foundation	0455 34 3	Prestressed Concrete Piling, 18" S	LF	150.0		150						END BENT 3		
	0455 34 5	Prestressed Concrete Piling, 24" S	LF	240.0		240						PIER 2		
	0455 35 3	Steel Piling, HP 10 X 42	LF	150.0		150						END BENT 1		
Piling/Barrier	0521 5 13	Concrete Traffic Railing - Bridge, 3	LF	200.0		400						BARRIER 1		
				200.0								BARRIER 2		
Substructure	0400 4 5	Concrete Class IV, Bridge Substruc	CY	26.76		26.8						PIER 2		

5. Verify the information

Contact:

[www.fdot.gov/cadd](http://www.fdot.gov/cadd)

Address:

605 Suwannee St  
Tallahassee, FL 32399

