TMR Revit to IFC Export Pack

How to Notes

Version 6.4

Queensland Government

Creative Commons information

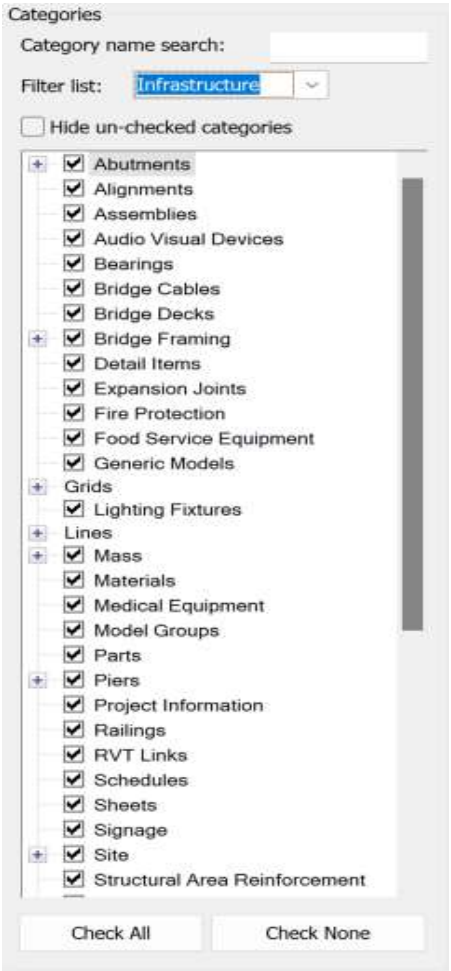
1. **Download and save TMR IFC export pack**

- The text files in the TMR IFC export pack can be stored locally and pathed to from dialogues in the Revit Project environment

2. **Open the TMR Bridge Parameters Schedule Project**

3. **Copy any required TMR Schedules and Paste them into a new Revit Project on a blank sheet**

4. **The shared parameters in the schedules align with *TMR Object attributes for bridges*. The parameters for each bridge element type have been assigned to all Revit categories within Structure and Infrastructure category groups.**

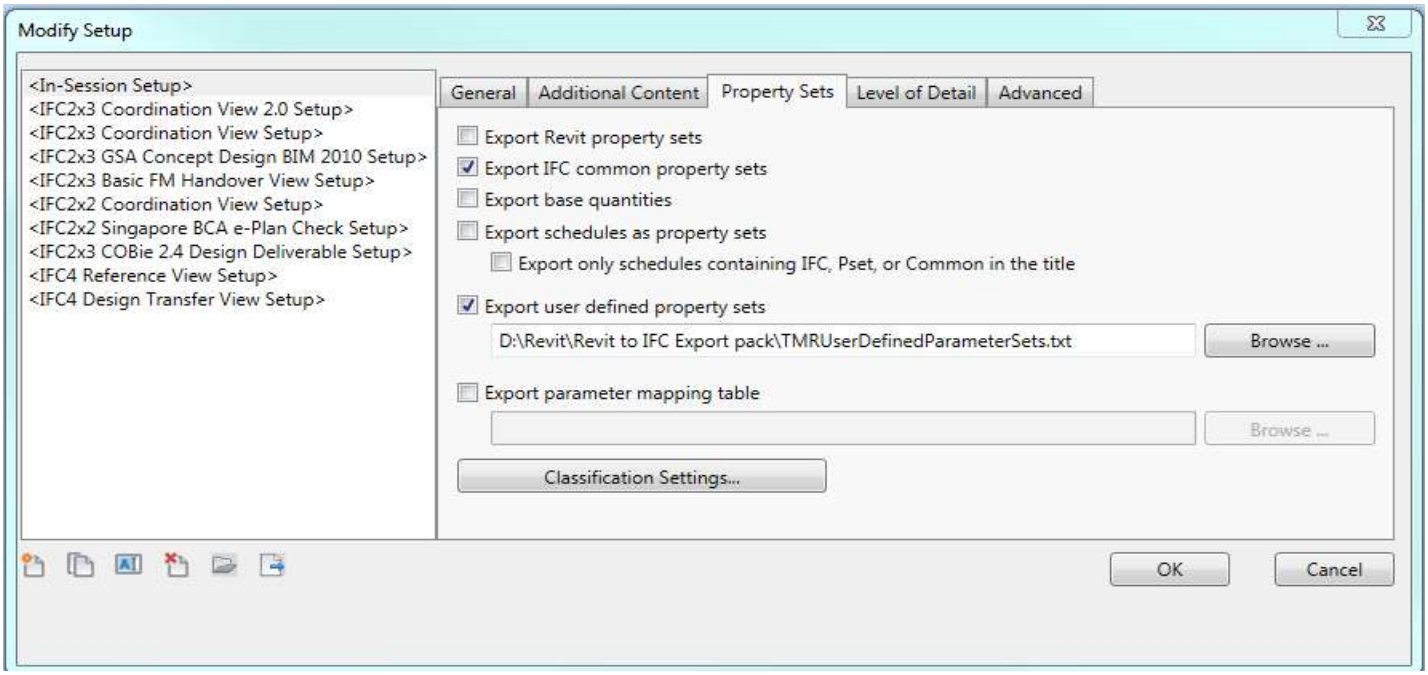


5. **Parameter values can be assigned to families through the schedules**

E	F	G	H	I	J	K	L	
Family	Actual Capac	Approved Pile Pr	As-Con Drawi	Average 28	Average 28 Da	BIM Component Code	Cast in Anchor/ Hoo	C
550 Octagonal PSC Pile - Structural Column - 2011	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
550 Octagonal PSC Pile - Generic Models - 201125	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
550 Octagonal PSC Pile - Column - 201125	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
550 Octagonal PSC Pile - Structural Foundation - 2	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
Bored Cylindrical Pile - Column - 201125		Record	Drawing'	55.5	56.4	43614-AA-F-CP-1		
Bored Cylindrical Pile - Generic Model - 201125		Record	Drawing'	55.5	56.4	43614-AA-F-CP-1		
Bored Cylindrical Pile - Structural Column - 201125		Record	Drawing'	55.5	56.4	43614-AA-F-CP-1		
Bored Cylindrical Pile - Structural Foundation - 2011		Record	Drawing'	55.5	56.4	43614-AA-F-CP-1		
Bridge Traffic Barrier - Generic Model - 201125			Drawing'			43614-S1-T-TR-1		
Cast Insitu Kerb - Generic Model - 201125			Drawing'	55.5	56.000	43614-S1-D-KE-1		
Headstock - Generic Model - 201125	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
Medium Concrete Barrier - Generic Model - 201125	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
PSC Deck Unit - Generic Model - 201125	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
Reinforced Concrete Deck - Generic Model - 201125	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
Relieving Slab - Generic Model - 201125	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
Super T Girder- Generic Model - 201125	50	Record	Drawing'	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
PSC Deck Unit - Structural Framing - 201125			Drawing'	56	58	43614-S1-G-CG-1-A	Philipp Lifting hoop	2
Super T Girder- Generic Model - 201125	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
Driven Tubular Steel Pile - Column - 201125	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
Driven Tubular Steel Pile - Generic Model - 201125	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
Driven Tubular Steel Pile - Structural Foundation - 2	50	Record	782774	55.5	57.5	43614-AA-F-PP-1	Phillip Article No. 4	
Driven Tubular Steel Pile - Structural Foundation - 2								

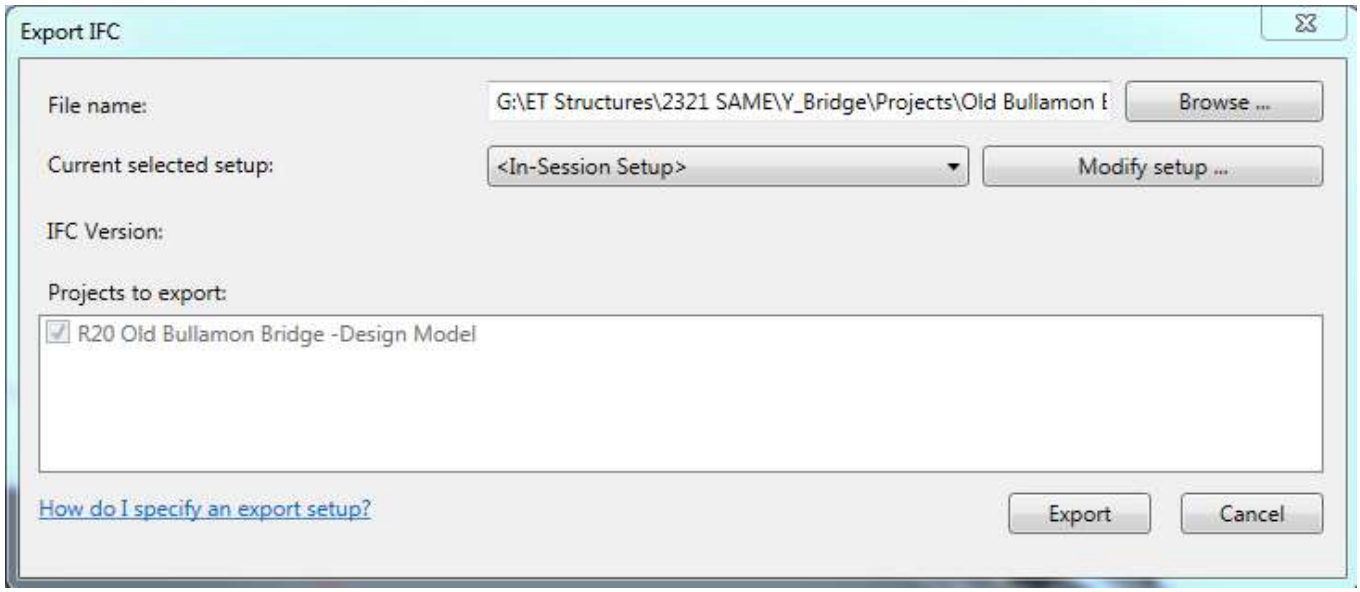
6. **For import to TMR asset management systems please assign IFC Class and Type as per TMR BIM for Bridges Manual table 6(a) or 6(b)**

IFC export parameters can be assigned to families to overwrite IFC Class assignment. IFC Class can be assigned to 'Export to IFC As' parameter.



7. Export to IFC

- File → Export →IFC



- Modify setup → Property sets
- Check the ‘Export user defined property sets’
- Path to the ‘TMR user defined parameter sets’ file
- Export to IFC

- In an IFC viewer, attributes will be tabulated in property sets in accordance with the TMR ‘BIM model element attribute tables’ for bridges