

TMR Revit to IFC Export Pack

How to Notes

Version 6.4

Creative Commons information

© State of Queensland (Department of Transport and Main Roads) 2015



<http://creativecommons.org/licences/by/4.0/>

This work is licensed under a Creative Commons Attribution 4.0 Licence. You are free to copy, communicate and adapt the work, as long as you attribute the authors.

The Queensland Government supports and encourages the dissemination and exchange of information. However, copyright protects this publication. The State of Queensland has no objection to this material being reproduced, made available online or electronically but only if its recognised as the owner of the copyright and this material remains unaltered.



The Queensland Government is committed to providing accessible services to Queenslanders of all cultural and linguistic backgrounds. If you have difficulty understanding this publication and need a translator, please call the Translating and Interpreting Service (TIS National) on 13 14 50 and ask them to telephone the Queensland Department of Transport and Main Roads on 13 74 68.

Disclaimer: While every care has been taken in preparing this publication, the State of Queensland accepts no responsibility for decisions or actions taken as a result of any data, information, statement or advice, expressed or implied, contained within. To the best of our knowledge, the content was correct at the time of publishing.

1. Download and save TMR IFC export pack

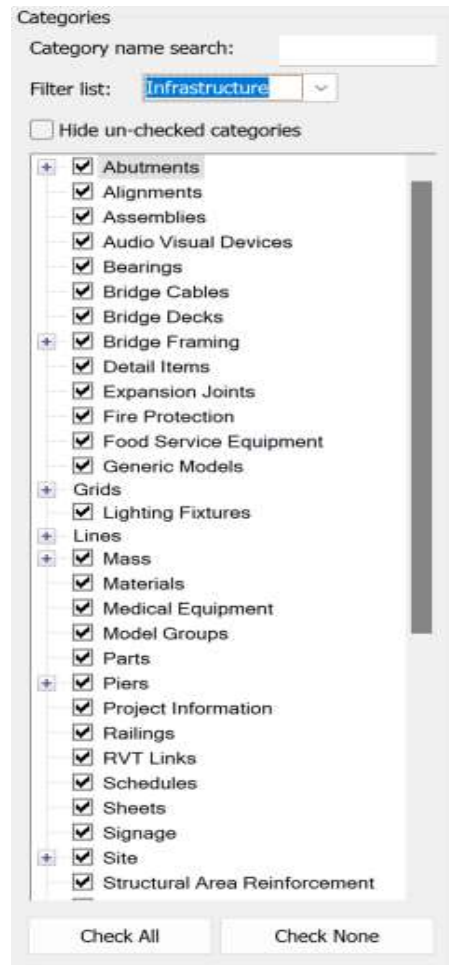
- The text files in the TMR IFC export pack can be stored locally and pathed to from dialogues in the Revit Project environment

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.

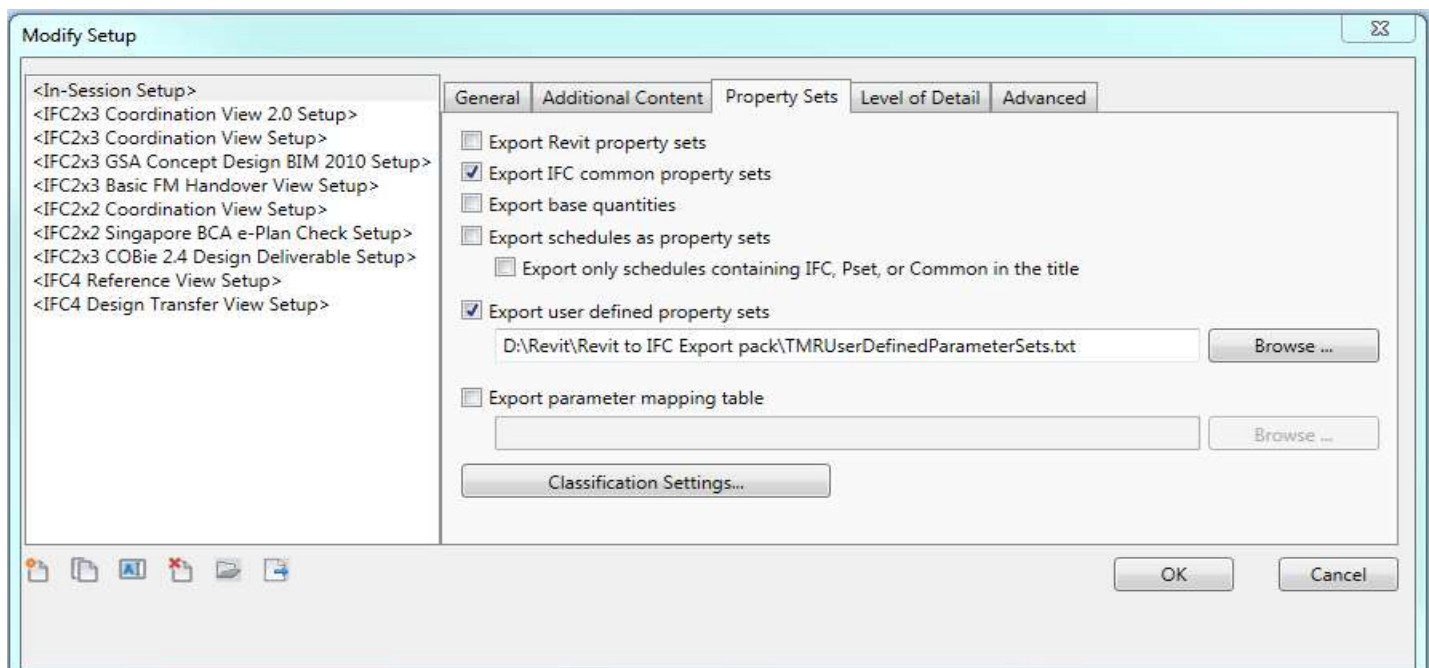


5. Parameter values can be assigned to families through the schedules

E	F	G	H	I	J	K	L
Family	Actual Capac	Approved Pile P	As-Con Drawi	Average 28	Average 28 Da	BIM Component Code	Cast in Anchor/ Hoo
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							

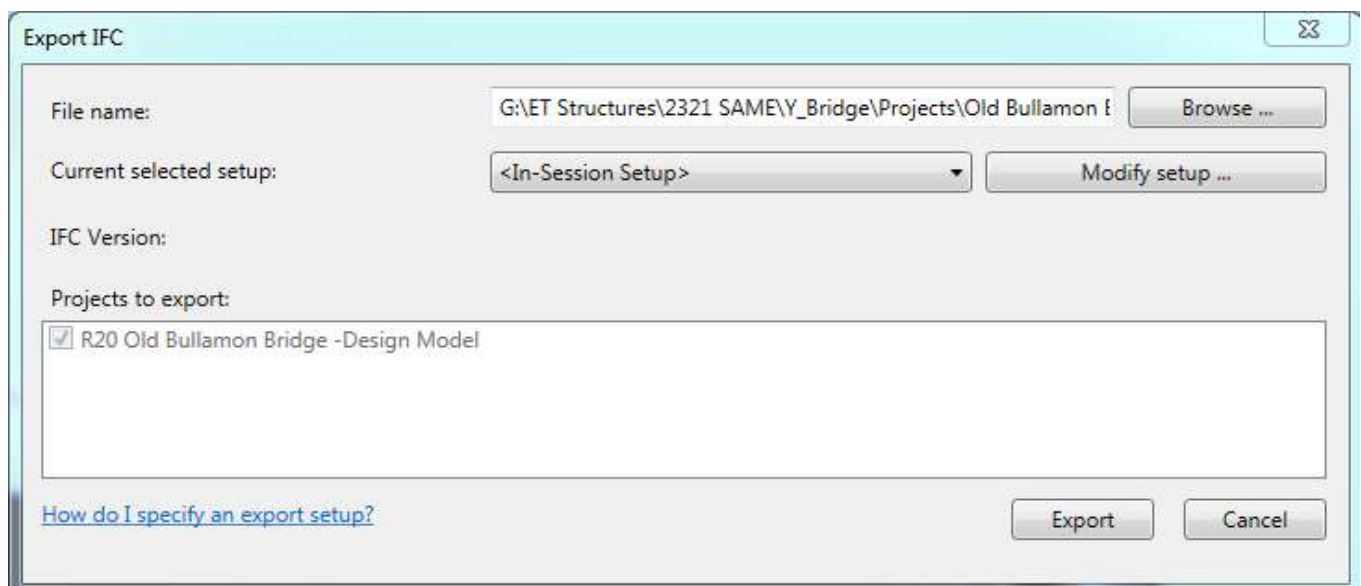
6. For import to TMR asset management systems please assign IFC Class and Type as per TMR BIM for Bridges Manual table 6(a) or 6(b)

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

