Model QC Checklist								
Initial (30%)	PBLR	Detailed (60%)	Final (90/95%)	Sealed (100%)	RTL	N/A	QC Item	Comments
General:								
				☐	☐	☐	The levels in each design file are displayed correctly and unnecessary levels are turned off using saved views	https://docs.bentley.com/LiveContent/web/MicroStation%20PowerDraft%20Help-v14/en/CreateSavedViewtool.html
				☐	☐	☐	All 2D and 3D models are developed to the level of detail according to TxDOT's Digital Delivery website	https://www.txdot.gov/business/resources/digital-delivery.html
	☐			☐	☐	☐	All individual bridge models are included submittal package according to TxDOT's Bridge Division	https://www.txdot.gov/business/resources/highway/bridge/3d-bridge-modeling.html
				☐	☐	☐	All earthwork files, such as alignments, corridors (including but not limited to mainline, intersection, and driveway), 3D model breaklines, and surfaces files, are included in the submittal package according to TxDOT's Digital Delivery website.	https://www.txdot.gov/business/resources/digital-delivery.html
							INTERDISCIPLINARY REVIEW:	
	☐			☐	☐	☐	All bridge models align with roadway corridor model	
				☐	☐	☐	All conflicts with proposed utilities, drainage, or existing utilities and drainage have been identified	https://docs.bentley.com/LiveContent/web/OpenBridge%20Modeler%20Help-v18/en/GUID-0D9688D9-E31D-45ED-ABA6-57BFE822540D.html
Roadway Models (for all projects with pavement/earthwork design)								
							ALIGNMENT MODELS:	
☐		☐	☐	☐	☐	☐	All model elements match horizontal and verticial control sheets.	
☐		☐	☐	☐	☐	☐	**3D CORRIDOR MODELs:**	
☐		☐	☐	☐	☐	☐	Component dimensions (depth, width, and slope) are correct	
☐		☐	☐	☐	☐	☐	All template-drop stations match the plan-view design	
☐		☐	☐	☐	☐	☐	Component depths match the typical sections	
☐		☐	☐	☐	☐	☐	3D model elements match the 2D model layout	
		☐	☐	☐	☐	☐	Median islands and freeway median crossovers are modeled correctly	
		☐	☐	☐	☐	☐	All end conditions are displaying as intended	
			☐	☐	☐	☐	All point controls, parametric constraints, and secondary alignments are consistent and correct	
			☐	☐	☐	☐	Key stations have been added at critical locations	
			☐	☐	☐	☐	Template point names and feature definitions are consistent with TxDOT Workspace	
			☐	☐	☐	☐	Corridor stage feature definition is set to "Final Stage"	
							SURFACES:	
		☐	☐	☐	☐	☐	There are no gaps, spikes, lips or other anomalies in the surface	
		☐	☐	☐	☐	☐	There are no overlapping components	
		☐	☐	☐	☐	☐	Transitions between varying slope values are correct	
		☐	☐	☐	☐	☐	Proposed slopes tie smoothly into existing grades and maintain correct drainage	
		☐	☐	☐	☐	☐	Existing and proposed terrain files are complete	
							3D MODEL BREAKLINES:	See TxDOT's Digital Delivery website https://www.txdot.gov/business/resources/digital-delivery.html
				☐	☐	☐	There are no gaps, overlaps, vertical faces and duplicate lines	
				☐	☐	☐	Exterior boundary encompasses all breaklines and is on the correct level	
				☐	☐	☐	All breaklines are placed on the correct levels	