

Electronic Engineering Data Quality Check List

Project Number:	Date:
The files listed on the attached EED File Manifest have been reviewed in accordance with EED Guidelines and are ready for EED submission.	
Submitted by:	Phone #:
Unit/Company Name:	
Email:	

Check List	
MicroStation Design Models	
	All graphical elements are at the correct geospatial location.
	All graphical elements are placed on the correct CT DOT Level.
	Files are free of all cross sections, profiles, construction lines for design purposes.
	Files are free of annotation that should reside in the cut sheets.
	Files have clean reference attachments, only needed reference files & no redundant references.
	All 3D files have lines and elements at the proper elevation (no spikes).
	Files are a 2D or 3D design model, not a sheet or drawing model
	Files contain only one model
Coordinate Geometry	
	Only final alignments are included (preliminary and alternate information has been removed).
	Alignments names and descriptions are intuitive.
	Each horizontal alignment has only one child vertical alignment.
Surface Models	
	Visualized breakline features and they appear to be consistent and match the 2D MicroStation file.
	Visualized breakline features, no vertical faces are present; breaklines appear to be horizontally offset.
	Visualized both the contours and triangles in a 3D file. Looked at it from the top and front, side, and isometric view. No irregular dips, spikes or voids in the surface are apparent.
	Triangles were viewed on top of the proposed design file. The triangles do not cross obvious breaklines such as centerlines, edges of pavement, edges of shoulders, etc.
	Contours were viewed to ensure the low points line up with the proposed drainage structures and structure flowlines match the proposed surface.
	If automated machine control/ guidance will be used during construction, at intersections or other critical areas, contours should be viewed at a 0.1 foot interval to ensure the model is accurate enough for automated machine control/ guidance use.