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Chapter 16 - HIGHWAY LIGHTING STANDARDS

CADD Production Criteria Handbook

16.1 GENERAL

Highway Lighting Plans are usually a component set of plans (see CPCH Chapter 13, Section 13.1). However, if the Highway Lighting Plans are the lead plan set, then the standards set in Chapter 13, Roadway Standards, pertaining to elements that are specific to the lead plan set shall apply to the Highway Lighting plan set (i.e., Traffic Control files and elements, preliminary estimate sheets, etc.) When prepared as component plans, Highway Lighting Plans shall be assembled as a separate plan set complete with a key sheet, tabulation of quantities and all other relevant lighting sheets. The sheets shall be numbered consecutively, with sheet numbers prefixed by the letter “L”.

16.2 STANDARD FILE NAMES

Florida Department of Transportation (FDOT) utilizes standard naming conventions for all of its files. Automation implemented in various tools provided by FDOT depends on this naming conventions being met. More importantly, the naming convention confers data information to the downstream customers.

Standard file names should follow this format: AAAABB##.ext

Where AAAA = *abbreviated file description*, BB = *Discipline Denotation,* ## =S*equence number.*

Note Please see Chapter 5 of this document for more information.

The following table defines the Lighting File Name Standards in regards to FDOT Projects with the understanding that each file name will include sequential numbering.

File Type	File Name	Model Name	File Description	Standard Rule	Seed File	Critical File
Borders & Sheets	BDPLLT.dgn	Default	Border Sheet Plan	planrd	$(MX_SEEDIR)fdotseed2d.dgn	
Borders & Sheets	GNNTLT.dgn	Default	General Notes Sheet	planrd	$(MX_SEEDIR)fdotseed2d.dgn	
Borders & Sheets	PLANLT.dgn	Default	Lighting Plan Sheet	planrd	$(MX_SEEDIR)fdotseed2d.dgn	
Clipping	CLIPLT.dgn	Default	Clip Borders	cliprd	$(MX_SEEDIR)fdotseed2d.dgn	
Clipping	MTPLLT.dgn	Default	Motif files for plan sheets	planrd	$(MX_SEEDIR)fdotseed2d.dgn	
Clipping	MTPRLT.dgn	Default	Motif files for profile sheets	plprrd	$(MX_SEEDIR)fdotseed2d.dgn	
Existing Topography	TOPOLT.dgn	Default	Topography – Existing	topord	$(MX_SEEDIR)fdotseed2d.dgn	
Key Sheets	KEYSLT.dgn	Default	Key Sheet	keysht	$(MX_SEEDIR)fdotseedkeymap.dgn	
Proposed Design	DSGNLT.dgn	Default	Proposed Design	dsgnlt	$(MX_SEEDIR)fdotseed2d.dgn	X
Proposed Design	TEXTLT.dgn	Default	Text Label and Misc Description	planrd	$(MX_SEEDIR)fdotseed2d.dgn	
Special Details	CNPLLT.dgn	Default	Special Pole Detail Sheets (All Types)	dsgnlt	$(MX_SEEDIR)fdotseed2d.dgn	
Special Details	JCDTLT.dgn	Default	Jacking Detail Sheet	open	$(MX_SEEDIR)fdotseed2d.dgn	

File Type	File Name	Model Name	File Description	Standard Rule	Seed File	Critical File
Special Details	LUDTLT.dgn	Default	Luminaire and Foundation Detail Sheet (All Types)	dsgnlt	$(MX_SEEDIR)fdotseed2d.dgn	
Special Details	SRPTLT.dgn	Default	Service Point Detail Sheets	open	$(MX_SEEDIR)fdotseed2d.dgn	
Summary Boxes / Tables	CESSLT.dgn	Default	Summary of Pay Item Sheets	planrd	$(MX_SEEDIR)fdotseed2d.dgn	
Summary Boxes / Tables	PLDTLT.dgn	Default	Pole Data Sheets	open	$(MX_SEEDIR)fdotseed2d.dgn	
Summary Boxes / Tables	TABQLT.dgn	Default	Tabulation of Quantity Sheet	planrd	$(MX_SEEDIR)fdotseed2d.dgn	

16.3 AGI32 LIGHTING SOFTWARE

AGI32 Lighting Software is the standard Lighting Design software for FDOT. However, using AGI32 is not required. Other Lighting design software available in the industry may be used for FDOT Lighting Design. If AGI32 is not used, FDOT Symbology Standards shall still be met to be compliant with CADD Standard Rules and Electronic Plans Delivery.