

Region 3 3D Design Workflow for ADA Ramps

File Structure

Assembly Line Process

- For large projects with multiple designers
- Set up all files before any design work starts
- One Design File & one Annotation File per intersection – R3 lists in order of Highway and MPs for organization
- Generally correlates to the “General Construction” sheets i.e. Geom_Pub_01 & Anno_Pub_01 = C01
- Reference all Design Files into Design Container File
- Reference all Annotation Files into Annotation Container File

File Structure / Tips & Tricks

- Copy ORD 2D seed file to Roadway folder – prepopulate the survey terrain reference and set the annotation scale needed for plan sheets (IMPORTANT – do not activate the terrain yet)
- Create all necessary files by New Document -> Advanced Wizard -> choose the previously copied seed file -> Select type of file (Geom Pub/Civil Anno Pub/Geom CF/Anno CF)
- Open files and activate the terrain to create the ORD 3D managed model IN ALL FILE TYPES. Attach other references as necessary:
 - Geom Pub needs survey and other disciplines
 - Civil Anno Pub needs the Geom Pub
 - Geom CF needs all the Geom Pubs
 - Civil Anno CF needs all the Civil Anno Pubs
- Begin design work – all files populate automatically, hand off to drafters & other disciplines for plans production

Examples

- Geometry Published File

 R_K22570_GEOM_pub_01.dgn
 R_K22570_GEOM_pub_02.dgn

<OR540_MP0.05> Geometry Published File

<OR540_MP0.11> Geometry Published File

- Civil Annotation Published File

 R_K22570_ANNO_pub_01.dgn
 R_K22570_ANNO_pub_02.dgn

<OR540_MP0.05> Civil Annotation Published File

<OR540_MP0.11> Civil Annotation Published File

- Geometry Base Container File

 R_K22570_GEOM_bas_CF_01.dgn
 R_K22570_GEOM_bas_CF_02.dgn

<OR540_ADA_Design> Geometry Base Container File

<US101_ADA_Design> Geometry Base Container File

- Civil Annotation Container File

 R_K22570_GEOM_bas_CF_01.dgn
 R_K22570_GEOM_bas_CF_02.dgn

<OR540_ADA_Design> Geometry Base Container File

<US101_ADA_Design> Geometry Base Container File