



3D Model Level of Development and CADD Standards

PID: 122189

Scope of Services (SOS)

Overview

Utilizing ODOT's Construction Material Specification (CMS) definitions develop the department's Level of Detail/Development (LOD) and Model Element Breakdown (MEB) guidelines that are scalable across the organization as the department works toward digital delivery. The intent is to generate the framework for model development within design to establish consistent and efficient practices as a step towards Model as a Legal Document (MALD). This will include documentation of LOD and MEB and may include developing CADD standards, and training/presentation materials with special attention to future 3D modeling deliverable objectives.

Objectives

- Define Level of Detail/Development (LOD) and Model Element Breakdown (MEB) guidelines
 - Scalable to meet a wide range of project needs and phases
 - Create thorough documentation
 - Develop standards/procedures for quality assurance and quality control of design model adherence to LOD.
 - Review current workspace and practices to assess potential areas of improvement
- If needed, assist with training and/or stakeholder engagement
- Provide recommendations for future development/ best practices

Deliverables

- Comprehensive Project Plan
 - Including outlining tasks, timelines, and milestones.
- Level of Detail/Development (LOD) and Model Element Breakdown (MEB) guidelines
 - Language/graphics and related materials for standards publication in native Office product format.
- If required, delivery of related CADD standards (e.g., .dgnlib, etc.)