

GIS SERVICES

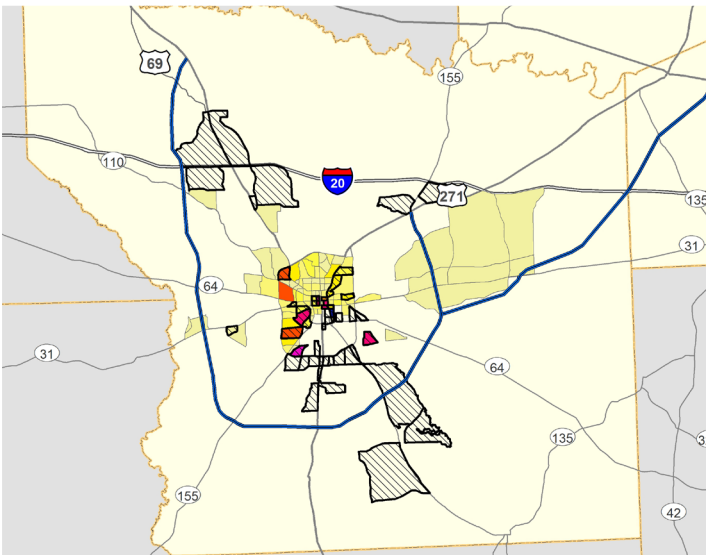
The GIS Division at CMEC consists of GIS analysts who provide support for all lines of service that CMEC offers. CMEC GIS staff has extensive experience creating a range of cartographic products from constraints exhibits to fieldwork maps to published report and public presentation exhibits. CMEC GIS staff routinely gather, convert, analyze, and process geospatial data for cultural resource projects, wildlife habitat assessment, land use and vegetation studies, wetland delineations, hazardous material identifications, water resources evaluations, transportation studies, and NEPA documents.

Selected Examples of CMEC GIS Services include:

- VIA Transit Agency – Modern Streetcar Environmental Assessment, Section 106 and Section 4(f) compliance
CMEC GIS staff played a key role in the preparation of a detailed environmental Alternatives Analyses for eight alignment options; prepared Technical Memoranda for Water Resources, Parks, Ecosystems, and Cultural Resources in support of the FTA Environmental Assessment document; preparation of a Historic Resources Survey Report and Assessment of Effects Report under Section 106 of the NHPA; preparation of a Section 4(f) Technical Memorandum; and a GIS-based probability analysis of the entire alignment with recommendations for construction phase archeological monitoring.

- Tyler Longview Regional Toll and Environmental Justice Analysis– CMEC supported a regional toll network analysis for TxDOT and the Tyler and Longview MPOs by preparing Tyler MPO analysis including GIS scenario and analysis mapping for Build and No Build options to supplement 2035 MTP and assess the overall indirect and cumulative impacts associated with the future planned toll network. CMEC GIS staff supported the analysis of how the overall toll network and tolling could affect low-income and minority environmental justice populations, land use and air quality in Tyler.

- Texas Department of Transportation (TxDOT) Environmental Document Preparation Evergreen – Environmental Document Preparation– CMEC is on call to provide all aspects of environmental document preparation under NEPA (EA, EIS, CE) under TxDOT guidance protocols plus compliance documents and additional services including jurisdictional determination/wetland delineation, Migratory Bird Treaty Act and Endangered Species Act compliance, hazardous materials initial site assessment, cultural/ archeological resources documentation, visual impact assessment, indirect and cumulative effects analysis and other environmental tasks as well as Quality Assurance/ Quality Control Document Review Services. CMEC GIS staff play a key role in in this process from gathering data to preparing for field deployment and assessment of environmental constraints to producing exhibits to support the resulting environmental documents.



AUSTIN
512.338.2223

HOUSTON
713.338.3470

IRVING
469.647.4866

TULSA
918.986.1717