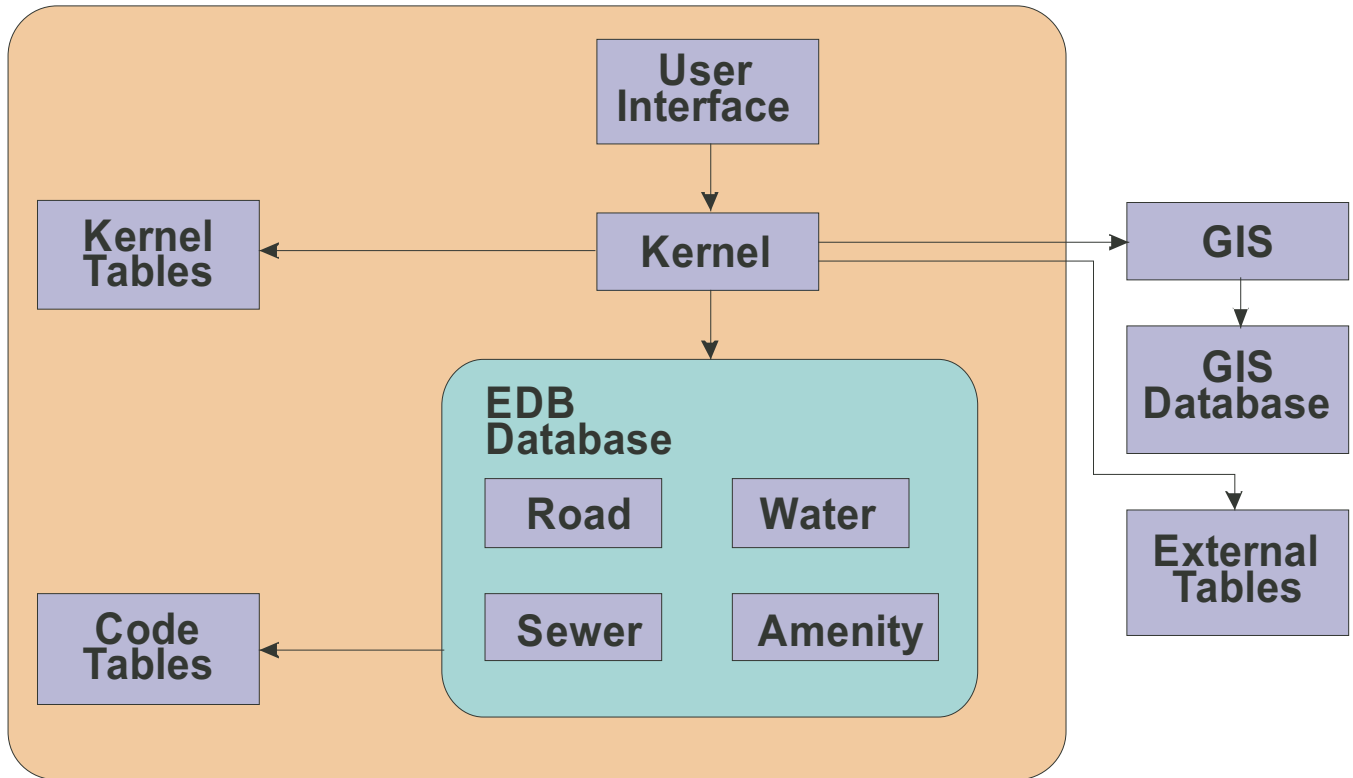


OVERVIEW : ENGINEERING DATABASE CONCEPT



ENGINEERING DATABASE

Client: City of London

Malone Given Parsons Ltd. has provided the technical expertise to develop the first operating GIS based on the new generic EDB standard adopted by the municipalities in the Province of Ontario. The implementation of the City of London’s Engineering DataBase model was a synthesis of existing software (i.e., Plantech’s Enghouse CableCad editor) and data (i.e., database model of the water network) plus new software (i.e., Arc Info database model of ArcStorm and ArcTools application toolbox; and, City of Halifax’s Sewer and Water editors), and the generic database model.

The core EDB was modelled with entities and attributes for all identifiable circumstances. It was necessary to design the operational model in such a way to allow for the implementation of all attributes described in the model even though not all of the attributes existed in the Plantech’s Enghouse CableCad DB Model.