City GIS Services – Attachment "D"

The City has invested significant resources to develop in-house GIS services. Corona's GIS current situations with respect to the components expressed above are:

Hardware: GIS maintains two production virtual servers. Both are running SQLexpress and host ArcSDE and ArgGIS Services.

Software: Environmental Systems Research Institute ("ESRI") based application platform for server and client side access. Inventory includes Server based products: ArcGIS Server Enterprise (ArcSDE for MS SQL, ArcGIS Server), and Client based application ArcMap (both ArcGIS for Desktop and advanced licensing with multiple extensions). Desktop licensing is concurrent for multi-user access.

Data: GIS maintains over 350 layers of vector based data, and an inventory of 13 Raster based data themes (including ortho-imagery coverage beginning in the year 2000 to present). Vector based data are based on a regional geodetic and cadastral model to ensure spatial integrity. The vector framework data warehouse contains: over 48,000 point addresses, 41,000+ Parcels (within Corona) and 500+ Miles of roads.

Processes: City GIS is currently in the process of using ArcMap to publish new Map Services for internal and external use.
City website has three interactive maps utilizing GIS. GIS is seen as an integrator of business systems to give staff ability to query information of geographic nature from systems that have little or no GIS connectivity. The City GIS is in the process of migrating all data and services to a newer server running ArcGIS Desktop & Server 10.4.The city currently has an internal and external GIS servers. The data is replicated on the external server for public facing services.

Personnel: The IT department has a part time GIS Intern and a Web and Digital Media Manager who will work directly with GIS.

Theme	Description Frame Work Layers	Type	SDE
Parcels	Riverside County provides quarterly updates and ownership updates provided by Core Logic	Vector	Y
City Limits	Corona Incorporation Boundary	Vector	Y
Building Footprint	Residential, Commercial and industrial businesses footprint used for addressing of suites, etc.	Vector	Y
Condominium and Apartments	Subgroup to parcel data used for addressing	Vector	Y
Aerial Imagery	Aerial imagery of the City at various resolution from 2001 to 2015(3 In)	Raster	Y
Street Centerline	Transportation layer to demonstrate road network, and public and private roadways. Also provides Address ranges for geo-coding events linked to any address	Vector	Y
Adjusted Centerline	Street Centerline data adjusted to match aerial image to provide routing for CAD mapping	Vector	Y
County Centerlines	Street data that falls outside the City Limits in surrounding areas	Vector	Y
Public Safety Areas	Police and Fire divide the City in zones; such as Fire's Primary Response Area and Police's Beats and Reporting Districts	Vector	Y

Address points	Points created from the addresses found in parcels, building footprints, condominiums and apartments adjusted over actual structure location for labeling purposes	Vector	Y