Progress Summary of Brian's Projects

(11/19/2015)

I. ArcGIS Server, Geodatabase, Services, GIS Portal, and AGO

1) Troubleshooting High CPU Usage with the Feature Services (GIS-1883)
   - We have worked with three technical support people (senior developers) from ESRI remotely. They have checked our ArcGIS Server map/feature services and configuration. They think 1) our ArcGIS Server/services are normal; 2) a feature service usually needs to intensively use CPU to retrieve the raw data from the geodatabase and then send back to the client side for display;
   - They suggest that we should skip ArcGIS 10.3.1 and directly upgrade to ArcGIS 10.4, which will be release in January 2016

2) Change 3-tier Geodatabase Connection to Direct Connect for our ArcGIS Server services (GIS-1875)
   - Have modified the 150 mxd files (each with one ~ many layers) from 3-tier connection to Direct Connect.
   - Have republished the services
   - The following services need to further review (do we really need them?)
     - California_Shaded
     - Hydnt_serv_curr_vu
     - HydrantTests
     - Sacramento_County_Parcels_With_Ownership
     - SanJoaquin_County_Parcels_With_Ownership
     - WaterDistributionNetwork (with the old data and symbology)

3) Need a plan for changing the 3-tier connection to Direct Connect for all the layer files in our GIS Portal

4) The Standard Procedures/Workflow for Publishing Dynamic Point Data on ArcGIS Server (GIS-1846, GIS-1847)
   - We have created an Oracle account for the Construction Division and provided technical support for the Oracle database connection with Python programming
   - The users have developed a Python script that can directly convert the Excel Spreadsheet to Oracle table
   - We have created ArcMap with query view and then published it on our ArcGIS Server as map service
   - The map service automatically refreshes itself whenever the users (management) click the (Excel) Button to run the Python script to update the Oracle table. The users are happy with the workflow and we should take it as the standard workflow for publishing the dynamic point data.

II. AIM Mapping/SSGIS Replacement GIS Project (GIS-1802)

1) Have been working on the feature classes with the spatial data
2) Have been waiting for the symbology for publishing the services
3) Have been testing the hyperlink from a feature in the front-end to a html page, but waiting for the real links and real data

III. Innovyze Infomaster PRP Replacement Project (GIS-1803, 1897, 1482)

1) Have created the PRP_Basemap (with largest scale 1:564) to overcome the standard AGO basemap scale limit (largest scale 1:1128). We could use the basemap for other AGO maps/apps until Jenny has created the EBMUD basemap with the new aerial photo imagery
2) Working on the PRP rollover from 2015 to 2016
3) Have been preparing for the data/map for the new PRP app