GRID Asset Exports - Query Layers and AGO Services

Project Plan

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**Task:** Use a query layer script to pull all of the ‘critical’ GRID assets. Create the feature classes on Comanche. Publish them to AGO for use in our other applications (e.g.SPM).

**Purpose:** Produce up to date exports of GRID assets to be consumed by the public and other internal applications.

**Produce a Feature Dataset of GRID Asset Extract Feature Classes on Comanche**

1. Produce an initial export of each critical and high-priority asset, along with a few additional datasets.
   1. The initial export should have the correct schemas
   2. See the Asset spreadsheet on the T Drive (T:\DATAMGT\MAPPING\Projects\2018\GRID Asset Exports)
   3. See the GRID Asset Export wiki page (<https://txdot.sharepoint.com/sites/division-tpp/DM-Admin/DM%20Wiki%20Library/GRID%20-%20Asset%20Export.aspx>)
2. Destination for Feature Dataset - Database Connections\Connection to txdot4avdb11.sde\TPP\_GIS.APP\_TPP\_GIS\_ADMIN.GRID\_Export\_Assets
3. Use script to extract each asset
   1. Use the correct schema
   2. Save each script to the T:/
4. Write metadata for each asset
   1. Use GRID Asset wiki pages for descriptions as the baseline, but modify the wiki pages as necessary

**DELIVERABLES:**

Permanent location for GRID Asset Extracts

Feature class for each critical/high-priority asset

Complete Metadata that matches the GRID Asset wiki pages

Finalized script saved to permanent location

**Automate the updates of each asset**

1. Decide on the schedule for each
2. Create a script to automate extract to Comanche
3. Create a script to automate overwriting on AGO

**DELIVERABLES:**

Updated feature class on Comanche

New and updated services on AGO

Automation Scripts

Documentation of process on wiki page

Documentation of schedule on wiki page

**Create a wiki page that documents the procedure**

1. Document the process for extracting single assets manually
2. Document the process for creating, running and using/updating the automated script
   1. The scripts will run on the same computer in the lap which runs the Comanche backup
3. Create a list of assets with frequency and whether or not they are on AGO

**DELIVERABLES:**

Wiki page

Scripts

List of assets/schedule

**Progress Tracking:** Weekly check in with Chris

**Project Start Date**: 2/15/2018

**Project Length:** 6 weeks

**Completion Date:**

March 15th– all critical On-Sys & Off-Sys assets

March 22nd – all high On-Sys & Off-Sys assets

March 30th – complete revision of all assets

**Work Assignments:** Jessica Lane – manual extract & documentation. Nicole Beecher - scripting, Stephen Ross - reviewer

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| --- | --- |
| **Number of Updates to be Made** | N/A |
| **Number of Analysts Doing Work** | 2 |
| **Number of Days to Complete Project** | 30 |
| **Number of Updates Completed per Day** | N/A |

**Resources:**

Project Folder - T:\DATAMGT\MAPPING\Projects\2017\GRID Asset Exports

Comanche – feature dataset for storing all outputted datasets

‘Database Connections\Connection to txdot4avdb11.sde\TPP\_GIS.APP\_TPP\_GIS\_ADMIN.GRID\_Export\_Assets’

**Summarized Deliverables:**

A featureclass on Comanche for all assets.

A service on AGO for only a few, important assets.

Scripts to automate the process.

**Notes:**

**Wiki page:**

<https://txdot.sharepoint.com/sites/division-tpp/DM-Admin/DM%20Wiki%20Library/GRID%20-%20Asset%20Export.aspx>