

DRCOG

Planimetric data workflow

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Why keep planimetrics over time?

- Moving from a reactive process to a mixed approach with DRCOG.
 - Stay somewhat current in-between data deliveries. Then get full updates on off years.
 - Edit data over time with as-builts.
- Reduce redundant data
 - Don't want to track data changes in more than one place or with workflows that cause excessive time investment.
- Track additional information in the planimetric data.
 - Need to persist over time and link to other systems (AMS, inspections, SCADA, UTB, documents....)

Examples

- Water treatment buildings in Beehive
- Roads for pavement management
- Parking lots with spaces, building with ownership

Buildings in Asset Management



Building details

Beehive Application - Boulder

Asset Workforce Query Analytics Stock 75th Street Water Resource Recovery Facility

SEARCH RECENT LEGEND SELECTION

- 91-OPS-CNTR
- GAS DETECT-1 Gas Detector
- PLC
- Process
- PAS
- Mechanical
- Building / Structure

CLIPBOARD

GEN-3 Asset


SUMMARY PROPERTIES DOCUMENTS (✓)

GEN-3
Active/0

MANUFACTURER: ORIGINAL COST: 0
 MODEL: G398 REPLACEMENT COST: 0
 SERIAL #: 73B812 PROCESS:
 BUILDING: ROOM:



Grouped Assets

ASSET TYPE	NAME



NOTES

Event Name	Event Type	Status	Planned	Actual	Note
36037	Maintenance - Mechanical	Complete	10/15/2015	11/4/2015	Run Cat Generator
35885	Maintenance - Mechanical	Complete	9/15/2015	11/4/2015	Run Cat Generator
35684	Maintenance - Mechanical	Complete	8/17/2015	11/3/2015	Run Cat Generator
35617	Maintenance - Mechanical	Complete	7/15/2015	11/3/2015	Run Cat Generator
35476	Maintenance - Mechanical	Complete	6/15/2015	11/3/2015	Run Cat Generator
35329	Maintenance - Mechanical	Complete	5/15/2015	9/24/2015	Run Cat Generator
35175	Maintenance - Mechanical	Complete	4/15/2015	9/24/2015	Run Cat Generator

Parking lots with added information

The screenshot displays the ArcGIS Pro interface. The main map area shows an aerial view of a building complex with several parking lots highlighted in yellow. The parking lots are labeled with numbers: 63, 40, and 85. Other labeled buildings include 'Atrium', 'Dushanbe Tea House', 'BMOCA', and '1720 Building'. The interface includes a ribbon with various toolbars, a 'Contents' pane on the left, a 'Catalog' pane on the right, and a 'Table' pane at the bottom showing the attribute table for the selected parking lot layer.

Field:	Add	Delete	Calculate	Selection:	Zoom To	Switch	Clear	Delete	Copy	
LOODCONV										
<Null>										
<Null>										
<Null>										
<Null>										
<Null>										
Inactive										

Python



Scripting: Unique ID generation

- Used for creating IDs on all assets
 - Key field to link to other systems (AMS, Utility Billing etc)
- Separate from DRCOG ID for features that we create
- Logic for unusual situations such as split or joined features

ETL

- Every two years this process can be automated
- Update based on ID (with a spatial component for buildings)
- Deleted records are marked as LIFECYCLE = Removed
- Added records are added

Derived Impervious Feature

- Used for stormwater runoff utility billing
 - Incentivizes having less impervious surfaces

