IDOA

INDIANA DEPARTMENT OF ADMINISTRATION

A FRAMEWORK for MANAGEMENT of STATE-OWNED ASSET DATA

My Biography:

- 1985-2004   - Electrical Designer private sector
- 2004-2009   - Electrical Engineering – DAPW (up until State employee downsizing)
- 2009-2014   - Electrical Designer private sector
- 2014-present   - Electrical Engineering – DAPW (I'm back - Primary responsibilities)

GIS Initiative Program:

- First introduced to ArcGIS SW & community 2015 to assist State Architect with State Asset Inventory Initiative Project Assumed inventory project upon resignation of State Architect
- Peoplesoft training Asset Management report generation
- Familiar with State of Indiana 2009 accounting code and related asset categorizing
- Member of DAPW's Policies and Procedures Committee
  - Co-Author of DAPW's Project Guide and ArcGIS Mapping Asset Inventory – SOP

Key Recognized Contributors:

- Brian Renner – IDOA Deputy Commissioner Operations (Champion from the beginning!)
- Irvin Goldblatt – Training and mentoring over the years
- Mike Martin – Training and mentoring
- Roger Koelpin – Training/Viewer Development Strategies and Instrumental with developing/hosting IDOA/DAPW's Web-Map Viewers for Client Agency feature layer interface!
- TOO many others not listed here as every client agency has been touched by this program!

Abstract

- The State does not have an accurate inventory of State-Owned asset structures with a consistent format and identification system. In 2012, staff from the Department of Administration and the Department of Natural Resources began an inventory. Today there are over 12,200 structures that have been identified. The inventory resides in a framework of ArcGIS Online and Sharepoint. Development of framework and business process supported has been adopted by the IDOA/DAPW as a continuous on-going initiative. Roll out within IDOA has started with minimal testing by customer agencies in early stages.

Project goal

- To create and maintain an accurate inventory of State-Owned asset structures with site project data that will improve budget planning, capital project planning, preventative maintenance operations, and space/structure utilization, as well as other applications to be identified and developed over time.

Current Partnerships and Initiative Leadership

- IDOA: Brian Renner, Robert Grossman, David Huntley, & DAPW Staff
- DNR: Greg Sorrels, Dennis Clarkson, Jeffrey Motz
- INDOT: Lauren Wilburn
- DHS: Roger Koelpin, Ashlee Moore
- DAPW is looking for ArcGIS Asset managers from each Client Agency – TBD
  - AGO
  - DOC
  - DVA
  - FSSA
  - IPSC
  - ISP
  - ISBVI
  - ISD
  - IWM
  - SBA

Building Assets to Inventory

- Inventoried asset structures shall meet the following criteria:
  - **Constructed:** Asset is a manmade structure or an altered earthwork
  - **Defined Purpose:** Asset provides shelter, service, or recreation to the user
  - **Permanent:** Asset is fixed in place for greater than 90-days and intended to exist for an indefinite time-period
  - **Value:** Asset is valued more than $5,000.00 or greater in value
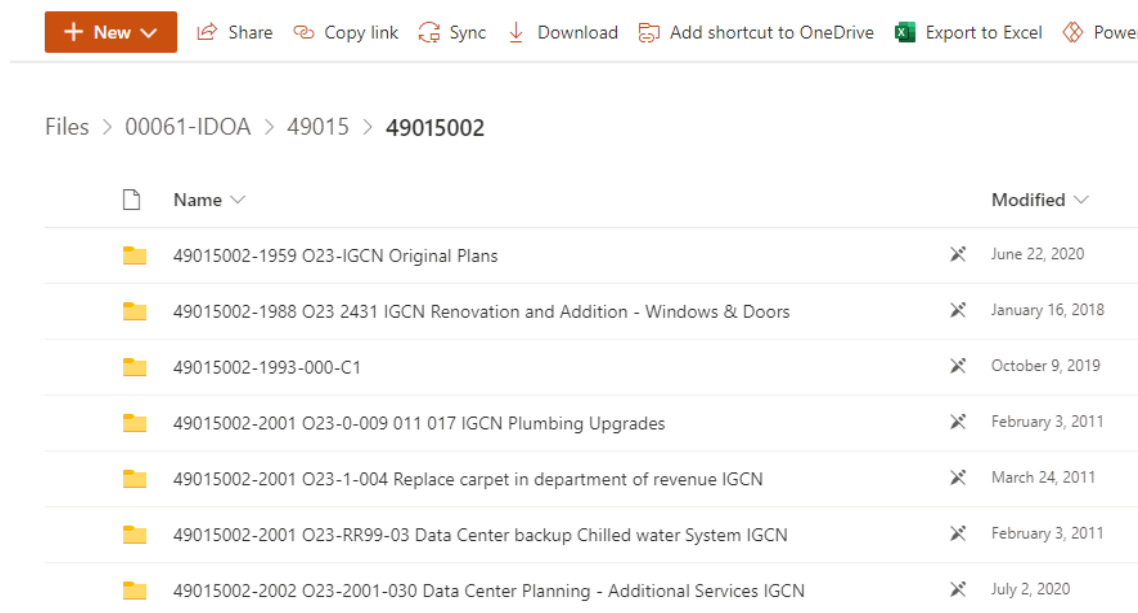
Building Assets Exempt from Inventory

- Assets structures exempt from DAPW oversight will not be inventoried at this time. They include:
  - Structures on state college and university properties
  - Structures at the Indiana State Fairgrounds
  - Structures at White River State Park
  - Structures operated by the Indiana State Museum and Historic Sites commission
  - Structures that are components of State and Federal roads (e.g., bridges, lights)
  - Bonded structures that are in service and managed by Indiana Finance Authority (IFA).

IDOA/DAPW Web-Map feature layer attributes to be collected (List of Asset fields):

A. Bus_Unit (Business Unit Number 5-Digit format i.e., 00435 include leading zeros)
B. Use_Agency (Abbreviation of Agency currently using and Maintaining Asset i.e., FSSA)
C. Agency Code (Business Unit Number of Agency responsible for Structure Maintenance i.e., 00405 include leading zeros)
D. IDOA_Div (Sub-Divisions within Agencies)
E. IDOA_Site_ID (5-Digit County Site designator number i.e., 09011)
F. Site_Name (Agency specific Site name assigned to item-if item is at an existing site, name must match existing site name i.e., Logansport State Hospital)
G. IDOA_Str_ID (8-Digit Specific structure designator number i.e., 09011005)
H. Str_Name (Agency specific assigned name to item i.e., Administration Center)
I. Str_Class (see Str_Class Type as described below i.e., Building)
J. Tag_Number (Agency specific assigned item if available i.e., 500100900)
K. Asset_ID (12-Digit Peoplesoft random generated number i.e., 000000000152 – include leading zeros)
L. Aqu_Date (date of substantial completion - capitalization)
M. Sum_Cost (Initial construction cost i.e., 45360 enter number values only – no $ or comma separators)
N. Gross_Sq_Ft (Square footage if Str_Class is a Building)
O. Active_Y_or_N (identifies whether asset is in use or not)
P. Demo_Y_N (identifies whether structure has been Razed/Demolished or not)
Q. Link2folder (skip - as this field is computed by system), see next slide for example hyper link
R. Own_Agency (Abbreviation of Agency that Owns Assent-usually IDOA)
S. Street_Number
T. Street_Name
U. City
V. Zip_Code
W. Location_Comment (2-way communications between DAPW and Client Agencies)
X. County (County where Asset Structure is placed)
Y. Xcoord (GPS Longitude coordinate i.e., -86.397537) - (WGS 1984 – Displayed in Decimal Degrees (DD) with 6-digit accuracy)
Z. Ycoord (GPS Latitude coordinate i.e., 40.742852) - (WGS 1984 – Displayed in Decimal Degrees (DD) with 6-digit accuracy)
AA. Misc. fields that are non-editable Software system created items

Sharepoint component of framework

Active directory login from AGOL is passed on to SharePoint for access. Folders containing contracts and plans for construction & maintenance projects at the site are opened by a URL from the map.

Link2folder field - Hyperlink (example):

https://ingov.sharepoint.com/sites/IDOADAPWArchives/Files/Forms/AllItems.aspx?viewid=89044719%2De1f6%2D44da%2D9d04%2D4881d26110dd&id=%2Fsites%2FIDOADAPWArchives%2FFiles%2F00061%2DIDOA%2F49015%2F49015000

Str_Class Field Structure Classification Types:

- **Building:** Permanent fully enclosed habitable or occupiable structure/space consisting of roof and walls
- **Pavilion:** Permanent structure consisting of a roof; may have walls but is not entirely enclosed (e.g., picnic shelter, gas pump canopy, carport, grandstand)
- **Utility:** Permanent non-habitable independent structure utilized in the creation or transport of services such as electrical, water, wastewater, heating, and cooling (e.g., water tower, fuel tanks, generator); Exceptions: equipment dedicated and adjacent to a single building will be considered a component of the building, such as a condensing unit; do not include structures that are not owned by the State, such as municipal service
- **Communication:** Permanent non-habitable independent structure utilized by a communication system (e.g., radio tower, tower guy-wire anchors); Exceptions: do not include structures not owned by the State, such as Leased towers owned by communication companies or others
- **Transportation:** Permanent non-habitable independent structure utilized by a transportation system (e.g., bridge, parking lot, drives, sidewalks); Exceptions: do not include structures not owned by the State, such as city-owned sidewalks
- **Marine:** A man-made body of water or related permanent non-habitable independent structure (e.g., reservoir, retention pond, dam, dock)
- **Site:** Recreational, cultural, and other exterior improvements that are permanent non-habitable independent structures (e.g., fence, gate, playground, recreational field, pools, archery range, fountains, bleachers, monuments, sculptures, formal gardens, campgrounds)

Goals and Objectives

- Identify all structures on State-Owned properties:

  - 1st pass completed

- Assign identification numbers to all structures within ArcGIS System:

  - 1st pass completed

- Maintain structure inventory, digitize paper files and load into SharePoint:

  - On-going process as time permits

- Identify all structures in State ArcGIS system and synchronize with Peoplesoft GMIS systems (Merge Asset #'s (GMIS) into ArcGIS Database):

  - DAPW to enlist Client Agency participation

- Update Capital Asset Policy and Capital Project Policy:

  - For long term activity between DAPW and our Client Agencies being served under mutual agreements or via governor's executive action

TABLE of STATE-OWNED ASSETS

Revised:	2021/11/04	IDOA Owership															Owned by others	
	All Agencies	**AGO**	**DHS**	**DNR**	**DOC**	**DVA**	**DWD**	**FSSA**	**IDEM**	**IDOA**	**INDOT**	**IPSC**	**ISBVI**	**ISD**	**ISP**	**IWM**	**IFA**	**ISM&HS**
All Structures	11,009	1,262	9	5,878	1,296	68	8	329	1	71	9,881	405	49	39	411	37	51	18
Bldgs	5,386	499	6	2,605	852	39	2	180	1	19	4,483	105	38	26	96	4	48	11
Communication	327	49	1	27	3	0	0	0	0	0	61	136	0	0	50	0	0	0
Marine	741	9	0	704	5	1	0	5	0	0	16	0	1	0	0	0	0	0
Pavilions	570	14	0	364	40	15	0	46	0	1	76	0	0	1	12	0	0	1
Site	2,362	213	1	786	276	7	1	61	0	34	847	3	9	8	114	19	3	5
Transportation	1,268	293	0	718	17	2	2	11	0	8	122	9	0	2	82	1	0	1
Utility	1,076	57	0	585	77	4	1	19	0	0	150	152	0	1	22	8	0	0
Facility Site Locations that include at least one Bldg!	356	67	1	88	23	2	2	7	1	9	131		1	1	19	5		

Terms defined:	
Bldgs	Permanent fully enclosed habitable or occupiable structure/space consisting of roof and walls
Communication	Permanent non-habitable independent structure utilized by a communication system (e.g., radio tower, tower guy-wire anchors); Exceptions: do not include structures not owned by the State, such as towers owned by communication companies
Marine	A man-made body of water or related permanent non-habitable independent structure (e.g., reservoir, retention pond, dam, dock)
Pavilions	Permanent structure consisting of a roof; may have walls but is not entirely enclosed (e.g., picnic shelter, gas pump canopy, carport, grandstand)
Site	Recreational, cultural, and other exterior improvements that are permanent non-habitable independent structures (e.g., fence, gate, playground, recreational field, pools, archery range, fountains, bleachers, monuments, sculptures, formal gardens, campgrounds)
Transportation	Permanent non-habitable independent structure utilized by a transportation system (e.g., bridge, parking lot, drives, sidewalks); Exceptions: do not include structures not owned by the State, such as city-owned sidewalks
Utility	Permanent non-habitable independent structure utilized in the creation or transport of services such as electrical, water, wastewater, heating, and cooling (e.g., water tower, fuel tanks, generator); Exceptions: equipment dedicated and adjacent to a single building will be considered a component of the building, such as a condensing unit; do not include structures that are not owned by the State, such as municipal service

General Questions:

Contact Information:

David Huntley – Associate State Engineer, Project Mgr.
Indiana Dept. of Administration/Public Works Division
402 W. Washington St., IGCS, Room W462
Indianapolis, IN 46204
O: (317) 232-3010 M: (317) 727-7134