

DATA GOVERNANCE

BEYOND THE BUZZWORD

The Office Fridge



The Office Fridge Data Governance

1. You should bring back a magnet if you travel anywhere for any reason to put on the fridge
2. Enter the **Magnet/Who/When/Why/Lat/Long** in the shared network database



Magnet	Who	When	Why	Latitude	Longitude
Arkansas	Sharon Hawkins	2014	State Capital Visit	34.74714	-92.289017
Buffalo River 50th	Tim Mahan	2023	Float Trip	36.010306	-92.949781
Arizona - US 66	Amber Vinson	2024	Family Visit	35.68868	-113.452774
Buffalo River Photo	Tim Mahan	2023	Float Trip	36.010306	-92.949781
Crested Butte	Tim Mahan	2022	Ski Trip	38.870498	-106.981744
Crested Butte	Tim Mahan	2023	Ski Trip	38.870498	-106.981744
Crested Butte	Tim Mahan	2024	Ski Trip	38.870498	-106.981744
Steamboat	Tim Mahan	2024	Ski Trip	40.489254	-106.816341
The Pig Trail - Hwy 23	Tim Mahan	2017	Scenic Drive	35.692799	-93.812988
Purgatory	Tim Mahan	2021	Ski Trip	37.62896	-107.837903
D Day - Normandy	Sharon Hawkins	2019	Vacation	49.340242	-0.598602
Holland - Netherlands	Sharon Hawkins	2019	Vacation	51.932129	4.993364
Wright Brothers Natio...	Mark Jaeger	2022	Vacation	36.016986	-75.668163
Iaos, NM	Tim Mahan	2021	Ski Trip	36.596235	-105.450788
Gilbert Store - Buffalo...	Tim Mahan	2023	Float Trip	35.988945	-92.715747
Williamsburg, Virginia	Mark Jaeger	2023	Vacation	37.271351	-76.695783
Las Vegas	Mark Jaeger	2023	Family Trip	36.178266	-115.135426
Hillbilly Slim's	Tim Mahan	2024	Dinner	35.674952	-92.950600
Lake Arrowhead, Rome...	Amber Vinson	2024	Family Trip	44.194111	-89.81702
Dallas, TX	Greg Cullum	2021	Family Trip	32.802667	-96.798853
Beaver Lake	Joseph Jordan	2023	Move to NWAR	36.400817	-94.072037
Wiederkehr Village	Tim Mahan	2023	Wine Tasting	35.509533	-93.759272
Wisconsin	Mark Jaeger	2024	Family Trip	44.503283	-89.691973
Turkiye	Ozlem Polat	2023	Family Trip	38.705885	35.324064
Paris	Sharon Hawkins	2019	Vacation	48.863591	2.337421
Germany	Sharon Hawkins	2019	Vacation	51.03055	10.31017
Seattle	Jessie Jones	2015	Family Trip	47.675074	-122.35113
Amsterdam	Sharon Hawkins	2019	Vacation	52.379374	4.884733
Destin, FL	Greg Cullum	2019	Vacation	30.389416	-86.444462
BUC-EE'S	Greg Cullum	2021	Family Trip	32.98542	-96.294199
Rabbit Ridge Farms	Tim Mahan	2021	Eat/Shop	35.395814	-92.456235
Mombasa, Kenya	Emily Timpattie	2017	Family Home	-4.059332	39.677935
French Quarter	Mark Jaeger	2021	Movie Filming Trip	29.958449	-90.06303
Washington DC	Sharon Hawkins	2019	Work Trip	38.896665	-77.003249
White Sands National...	Jake Mashburn	2023	Family Trip	32.793067	-106.325975
Disney World - Christm...	Mark Jaeger	2022	Family Trip	28.377384	-81.570804



The Office Fridge Data Governance

1. You should bring back a magnet if you travel anywhere for any reason to put on the fridge
2. Enter the **Magnet/Who/When/Why/Lat/Long** in the shared network database
3. Check the map! Is your location correct?
4. If there's no room on the front for your magnet, put it on the side



The Office Fridge Data Governance

1. You should bring back a magnet if you travel anywhere for any reason to put on the fridge
2. Enter the **Magnet/Who/When/Why/Lat/Long** in the shared network database
3. Check the map! Is your location correct?
4. If there's no room on the front for your magnet, put it on the side
5. Once a magnet is on the fridge – it can't be removed unless the office gets a new fridge – then it will be transferred



The Office Fridge Data Governance



- Following Policy/Procedure
 - Accountability
 - Accessibility
 - Quality Control
 - Data Ownership
 - Repeatable
 - Sustainable
- Requires Oversight
(Governance)**

Creating Meaningful & Impactful Data

Beyond the Fridge

DATA GOVERNANCE

3 Things to Consider

WHERE

WHAT

WHY

WHERE

Do you know where your data is?

- Department Server/Network
- Managed Cloud Infrastructure
- Individual Machine (C: Drive) 🤔
- Machine Desktop 😞
- Hard Copy 🤔 😞

Is it the sole/authoritative source?

- Do other copies exist that aren't maintained or maintained differently? 😞

Is it easily accessible to others that need the data?

- Established rules for when/how data can be shared
- Documented information on how to see/connect

EXAMPLE

IT Division – Dedicated Server(s) & Database Creation



IT Division – Data Permissions - Migration Assistance



Database – Data Owner



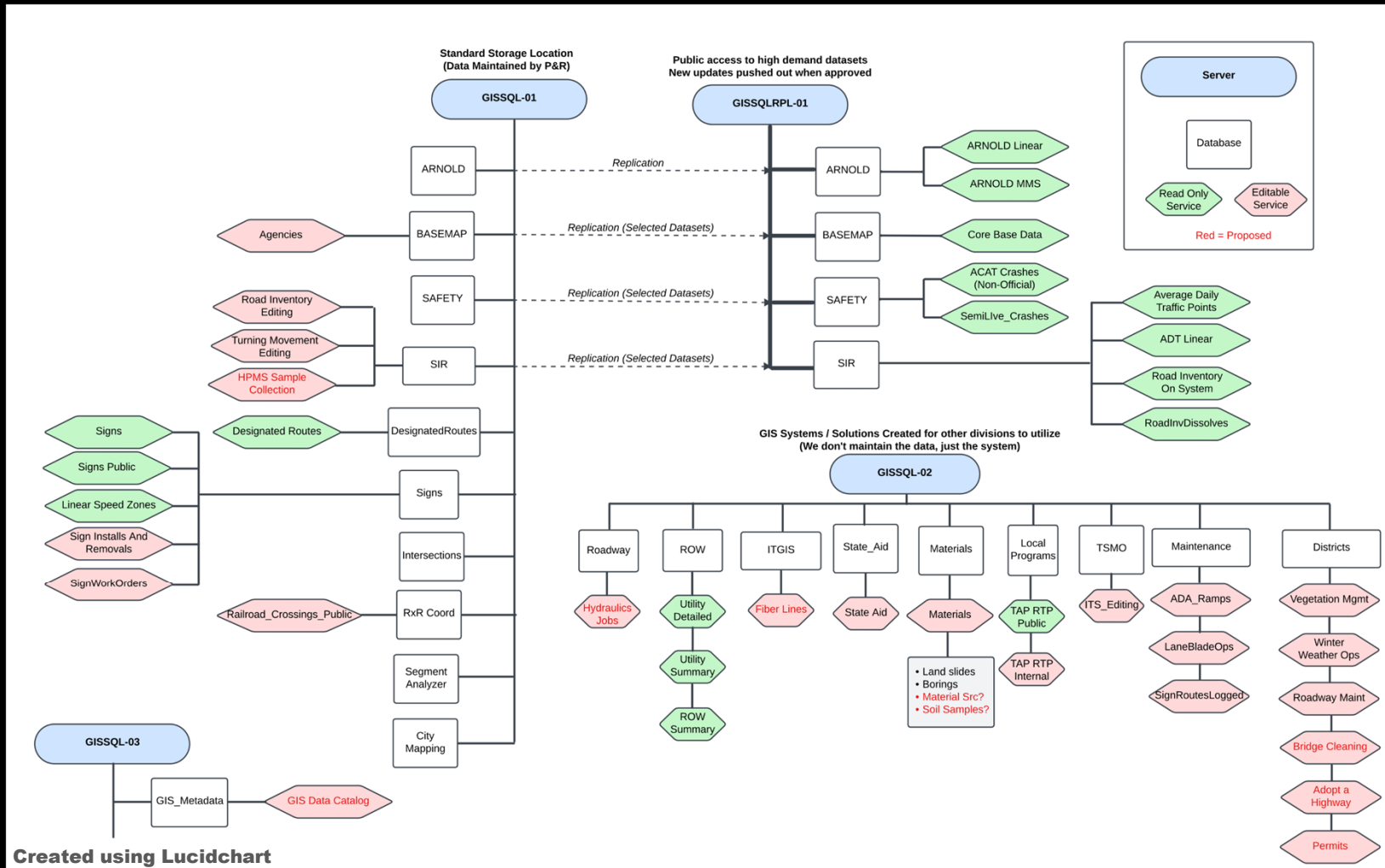
Connection Type



Vision – “Mapped” Data for quick reference to WHERE

WHERE

Credit: Joseph Jordan (P&R GIS)



Created using Lucidchart

**MOVING OR ORGANIZING
DATA?**



**THE OPPURTUNITY TO
TIDY UP IS NOW!**

<https://datapulseweekly.substack.com/p/10-funniest-data-memes-from-the-internet>



WHERE

- **Correct inaccurate data**
- **Remove duplicate data**
- **Delete irrelevant data**
- **Format and standardize data**
- **Discover missing data**
- **Re-Home Data**



WHERE

EXAMPLE

Re-Home Data

AND...



September 17th, 2025

The map is listed as:
Bridge and County Road Number Map
Carroll County Arkansas
Prepared by ARDOT Planning Division
Road Numbers Map-Carroll County
A 313-8
Issued date 9-20-1980

If you have this map, I would like to buy a copy.

WHAT

The “Nitty-Gritty”

Movie Credits

Congressman and Producer Professor Jay Aronson Mayor Mike Bloomberg Senator Chris Dodd Senator Hillary Clinton Senator Christopher Gora Caterina Shakova Vitaliy Potanov	Early Researchers Heather Martin Michelle Mason Medrie McPhee Dan Merkle Walter Miale Abbey Neidik Erik Nordby	Mayor and Producer Mayor Bloomberg Senator Chris Dodd Senator Hillary Clinton Clysdale Cases Betsy Carson Michel Desormeaux Tony DiVangi Nicole Audy	Animators and Editor Denise and Jack Hignell Sandi Higgins Judy Jackson Angela Jean-Louis Rebecca Jenkins Alexia Karayanis Judy Klassen Karen Lam
Edited by JENNIFER ABBOTT	Narration written by JOEL BAKAN • MARK ACHBAR	Sound Designer & Music Supervisor VELCROW RIPPER	
Commissioning Editor, TVO RUDY BUTTIGNOL	Co-Producers NATHAN NEUMER • TOM SHANDEL	Original Music LEONARD J. PAUL	
Narrator MIKELA J. MIKAEL	Associate Producers JOEL BAKAN • DAWN BRETT	Archival Researcher TINA REILHAN	

Ingredients

INGREDIENTS: ENRICHED FLOUR (WHEAT FLOUR, NIACIN, REDUCED IRON, THIAMIN MONONITRATE (VITAMIN B₁), RIBOFLAVIN (VITAMIN B₂), FOLIC ACID), CORN SYRUP, SUGAR, SOYBEAN AND PALM OIL (WITH TBHQ FOR FRESHNESS), CORN SYRUP SOLIDS, DEXTROSE, HIGH FRUCTOSE CORN SYRUP, FRUCTOSE, GLYCERIN, CONTAINS 2% OR LESS OF COCOA (PROCESSED WITH ALKALI), POLYDEXTROSE, MODIFIED CORN STARCH, SALT, DRIED CREAM, CALCIUM CARBONATE, CORNSTARCH, LEAVENING (BAKING SODA, SODIUM ACID PYROPHOSPHATE, MONOCALCIUM PHOSPHATE, CALCIUM SULFATE), DISTILLED MONOGLYCERIDES, HYDROGENATED PALM KERNEL OIL, SODIUM STEAROYL LACTYLATE, GELATIN, COLOR ADDED, SOY LECITHIN, DATEM, NATURAL AND ARTIFICIAL FLAVOR, VANILLA EXTRACT, CARNAUBA WAX, XANTHAN GUM, VITAMIN A PALMITATE, YELLOW #5 LAKE, RED #40 LAKE, CARAMEL COLOR, NIACINAMIDE, BLUE #2 LAKE, REDUCED IRON, YELLOW #6 LAKE, PYRIDOXINE HYDROCHLORIDE (VITAMIN B₆), RIBOFLAVIN (VITAMIN B₂), THIAMIN HYDROCHLORIDE (VITAMIN B₁), CITRIC ACID, FOLIC ACID, RED #40, YELLOW #5, YELLOW #6, BLUE #2, BLUE #1.

Glossary

Glossary

Words in these definitions that are italicized are listed in the glossary.

- ACONTIA** thread-like structures discharged through mouth and pores in the column of sea-anemones. Armed with nematocysts.
- ACRORHAGUS** wart-like structure in sea-anemones, often conspicuously coloured, bearing batteries of stinging cells.
- ADDUCTOR MUSCLE** muscle that closes shell of bivalve mollusc. Adductor muscle scars are seen on inside of shell valves.
- AMBULACRUM** part of surface of echinoderm with tube-feet.
- ANAEROBIC** without oxygen.
- ANCESTRULA** the first-formed zooid in a bryozoan colony.
- ANNUAL** organism living for one year.
- ANNULATION** ring or ring-like division.
- ANTENNA** sensory appendage found on the head of some annelids and arthropods.
- APOTHECIA** saucer-shaped reproductive bodies seen on the surface of lichen thallus.
- ARISTOTLE'S LANTERN** complex feeding structure of sea-urchins; equipped with calcified teeth.
- ASEXUAL REPRODUCTION** reproduction not involving a sexual process.
- ATRIUM** space surrounding pharynx in the sea-squirts. Communicates with exterior via exhalant siphon.
- AVICULARIUM** specialized bryozoan zooid, equipped with movable jaws.

DATA DICTIONARY

EXAMPLE ARNOLD

WHAT DATA DICTIONARY

Credit: Greg Cullum (P&R GIS)

FIELDNAME	LENGTH	TYPE	DESCRIPTION	DOMAIN
RD_CLASS	25	text	The entity by or through which a road is maintained	FE = federal ¹ ST = state ² CO = county MU = municipal PR = private LR = levee road
RD_DESIGN ³	25	text	Design characteristic of the road	DC = dual carriageway SC = single carriageway TC = traffic circle CS = connector segment RA = grade-separated ramp RG = at-grade ramp FR = frontage road HF = highway facility MC = median crossover
RD_SURFTYP	25	text	Road surface type	P = paved ⁴ U = unpaved ⁴
LOG_DIRECT	2	text	Indication of whether travel on a dual carriageway road is in the log or antilog direction	A = Log Direction B = Antilog Direction

¹ "FE" in the RD_CLASS field includes roads maintained by specific federal agencies, e.g. U.S. Forest Service, U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, National Park Service, etc.

² "ST" in the RD_CLASS field includes interstate highways, US highways, state highways, and any other road maintained by a state government entity. Particularly, anything currently in the Department's LRS classified as a state maintained route should be included in this class.

³ In some counties, roadway design elements such as dual carriageways, connector segments, traffic circles, and access ramps may not have been digitized or maintained spatially to the specification required. In these cases, AGIO will work with the county personnel to add or modify these features in the countywide ACF dataset according to all public roads LRS requirements. If necessary, AGIO will create these features for the county. Creation and attribution of these features will be based upon available evidence including, but not limited to, existing Department data, aerial photography, situs address points, and local knowledge. Additionally, AGIO will ensure the left/right address range values are adjusted to account for geometry changes described above.

⁴ A county may choose to maintain surface type attributes that are more detailed than "paved" or "unpaved". However, the RD_SURFTYP field will only carry the "paved" or "unpaved" attribute to meet the all public roads LRS requirement.

FIELDNAME	LENGTH	TYPE	DESCRIPTION	DOMAIN
AH_District	2	text	The number of the Department District in which the road is contained.	1 through 10
AH_County	25	text	The Department assigned number of the county in which the road is contained.	1 through 75
AH_Route	100	text	The assigned official route number or name based on Department Road Inventory and official local road names.	Official highway number or local road name
AH_Section	3	text	Department assigned section number of each highway and local road.	Official highway and local road section number
AH_BLM	6	number	Department calculated begin log mile of each highway and local road segment.	Calculated begin log mile
AH_ELM	6	number	Department calculated end log mile of each highway and local road segment.	Calculated end log mile
AH_Length	6	number	Department calculated length of each highway and local road segment.	Calculated length
AH_Seg_Num	5	number	Calculated segment number based on road direction.	Calculated segment number
AH_Rev_ACF	Yes/No	text	States if the road direction in the delivered file from AGIO was reversed to match the Department log direction.	Yes = The geometry was reversed No = The geometry was not reversed
AH_ID	150	text	Concatenated county x route x section x log_direct x segment number	Unique ID required by FHWA
AH_RoadID	150	text	Concatenated county x route x section x log_direct for Dynamic Segmentation	Dynamic Segmentation field
AH_Signed	10	text	How each road is signed for quick retrieval.	Interstate = Interstate Highways US = U.S. Highways State = State Highways Local = All other Local Roadways

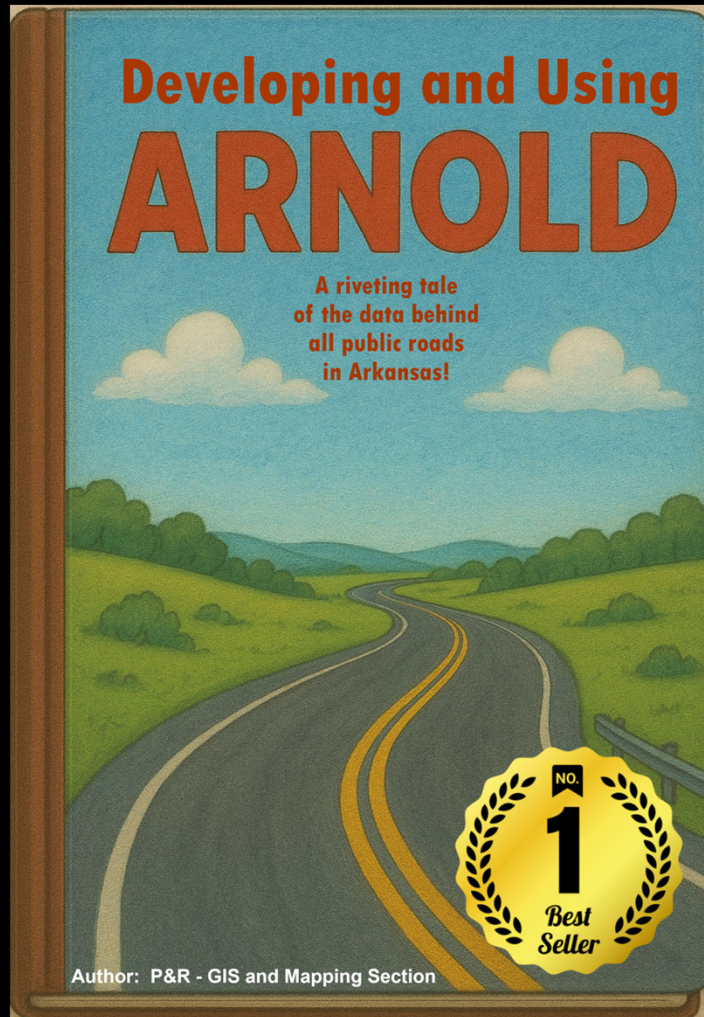
FIELDNAME	LENGTH	TYPE	DESCRIPTION	DOMAIN
created_user	255	text	The name of the user who created the feature.	Active Directory User Names
created_date		date	The date on which the feature was created.	01/01/1753 00:00:00 AM - 12/31/9999 23:59:59 PM
last_edited_user	255	text	The name of the user who last edited the feature.	Active Directory User Names
last_edited_date		date	The date on which the feature was last edited.	01/01/1753 00:00:00 AM - 12/31/9999 23:59:59 PM
GlobalID		UUID	Auto-generated unique identifier.	
Shape		geometry	The spatial geometry of the feature.	
Log_Check	254	text	Used for detecting errors in log mile values.	0 - General Processing Error 1 - No Error 2 - Error with From Measure 3 - Error with To Measure 4 - Error with From/To Measures

- Database Schema
- Field Descriptions
- Domains

WHAT DATA DICTIONARY

- **Allows others to follow your data maze**
- **Encourages Consistent Usage of the Data**
- **A must have if the expectation is for others to use your data without you involved**

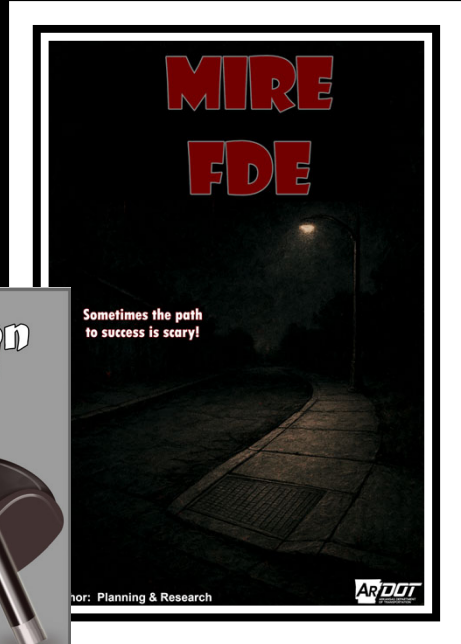
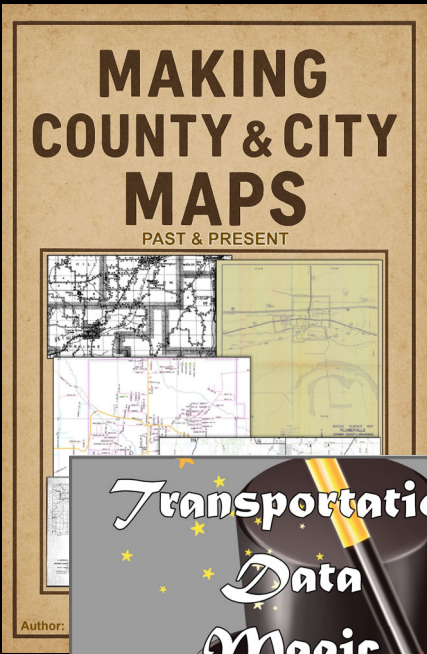




WHY

Your Data has a Story

- **Existing/New employees have a reliable data origin story**
- **Original intent of data is documented**
- **Confidence in improving data is greater with the recorded history available**
- **Keep adding MORE to make sure that the story continues!**



WHY



**Consider the WHY
as a love note to
the future**

METADATA

EXAMPLE

Keep it SIMPLE



GIS DATA CATALOG METADATA SHEET

<Service or Dataset Name>

Author: <name(s)>

Date Created: <mm/dd/yyyy>

Last Updated: <mm/dd/yyyy>

Keep it UPDATED

WHY

1. Data History

Why was this data created/developed?

<Response>

2. Usage

Who are the primary users of the dataset and what kind of demand is on it?

<Response>

3. Retention

Is there a historical archiving method set? Are old records purged periodically?

<Response>

4. Relationships/Dependencies

Is this data derived partly from another dataset? Do other datasets rely on this one?

<Response>

5. Legal/Compliance

Are there any special terms of use associated with the data?

<Response>

6. Validation & Update Methods/Procedures

How is accuracy, completion, up to date-ness and overall quality ensured?

<Response>

Credit: Joseph Jordan (P&R GIS)

**WHERE/WHAT/WHY
COMBINED**

DATA CATALOG

EXAMPLE

WHERE/WHAT/WHY

Credit: ARDOT GIS Change Management Team – 122 Datasets


AR DOT GIS Data Catalog (Internal)		Add/Edit Records	
	Search		
	This is the Funded Projects Feature Service created for the STIP Submission Web Application . Update Frequency: Weekly . Contact: Thomas.Melton@ardot.gov . Location: SQLGIS	Unavailable	Unavailable
Internal	Funded_Projects (Referenced Feature Service) This is the Funded Projects Feature Service created for the STIP Submission Web Application . Update Frequency: Weekly . Contact: Thomas.Melton@ardot.gov . Location: SQLGIS	Rest End Point	Web App
		Unavailable	Unavailable
	GPR Scoping (Referenced Feature Service) The feature server includes information on the GPR scoping of the state's road network, providing details about pavement structure and subsurface conditions identified during the survey. . Update Frequency: Other . Contact: saikrishna.marri@ardot.gov . Location:	Rest End Point	Web App
		Unavailable	Unavailable
Public	HPMS Progress Viewer (Referenced Map Service) The map server includes different layers showing values for IRI, rutting, faulting, and cracking. It also contains ARAN data collected during the most recent survey cycle. . Update Frequency: Weekly . Contact: saikrishna.marri@ardot.gov . Location:	Rest End Point	Web App
		Unavailable	Unavailable
Restricted	HPMS_Samples (Referenced Feature Service) used for editing HPMS Samples for field collection in 2025 . Update Frequency: Live . Contact: robert.kacir@ardot.gov . Location: AM-GIS-PUB01/AssetMngmt_Geo	Rest End Point	Unavailable
		Unavailable	Unavailable
Public	HPMSProgress (Referenced Map Service) Show current completion of HPMS Sample Collection without having to login or gain editing permissions . Update Frequency: Live . Contact: robert.kacir@ardot.gov . Location: AM-GIS-PUB01\AssetMngmt_Geo	Rest End Point	Unavailable
		Unavailable	Unavailable
Restricted	Hydraulics Jobs (Referenced Feature Service) Locations of current and previous hydrologic/hydraulic/scour analysis projects . Update Frequency: Other . Contact: joseph.jordan@ardot.gov . Location: GISSQL-02/Roadway	Rest End Point	Web App
		Unavailable	Data Dict
Restricted	Hydraulics Jobs (Referenced Map Service) Locations of current and previous hydrologic/hydraulic/scour analysis . Update Frequency: Other . Contact: joseph.jordan@ardot.gov . Location: GISSQL-02/Roadway	Rest End Point	Web App
		Unavailable	Data Dict
Public	IntersectionDataEdit (Feature Class) All intersections in the state and info: Intersection type, traffic control, lighting, etc . Update Frequency: Annually . Contact: joseph.jordan@ardot.gov . Location: GISSQL-01/Intersections	Unavailable	Unavailable
		Unavailable	Data Dict

EXAMPLE

WHERE/WHAT/WHY



GIS Data Catalog (Internal)		Add/Edit Records
Public	ADT Linear (Referenced Feature Service) Average Daily Traffic Mapped onto ARNOLD (With an estimated extent that the traffic count is good for) . Update Frequency: Annually . Contact: joseph.jordan@ardot.gov . Location: GISSQLRPL-01\SIR	Rest End Point Web App Unavailable Data Dict
Public	ADT Linear (Referenced Map Service) Average Daily Traffic Mapped onto ARNOLD (With an estimated extent that the traffic count is good for) . Update Frequency: Annually . Contact: joseph.jordan@ardot.gov . Location: GISSQLRPL-01\SIR	Rest End Point Web App Unavailable Data Dict
Public	Average Daily Traffic Points (Referenced Feature Service) Location of traffic counting stations . Update Frequency: Annually . Contact: joseph.jordan@ardot.gov . Location: GISSQLRPL-01\SIR	Rest End Point Web App Metadata Sheet Data Dict
Public	Average Daily Traffic Points (Referenced Map Service) Location of traffic counting stations . Update Frequency: Annually . Contact: joseph.jordan@ardot.gov . Location: GISSQLRPL-01\SIR	Rest End Point Web App Metadata Sheet Data Dict

 gis.ardot.gov/referenced/rest/services/SIR_TIS/Average_Daily_Traffic_Points/FeatureServer/0

EXAMPLE

WHERE/WHAT/WHY

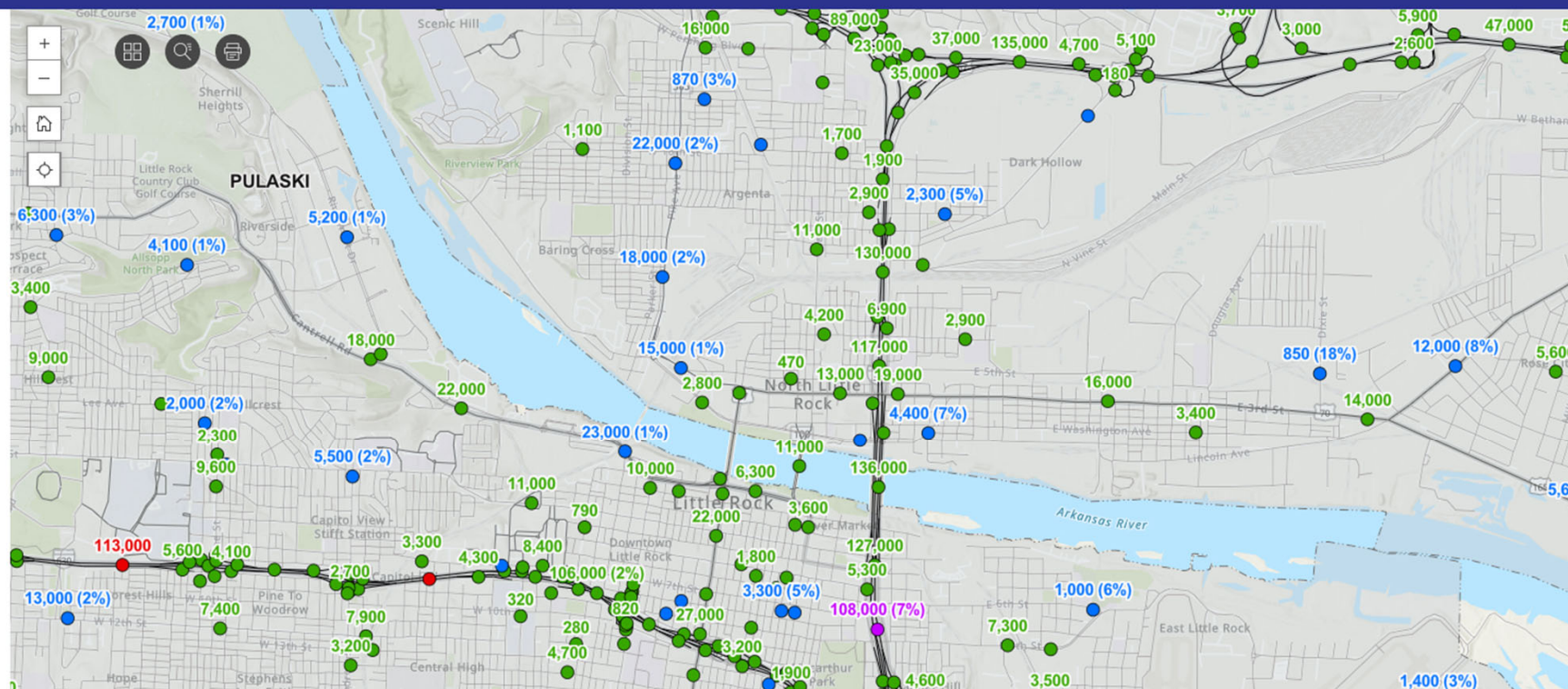


GIS Data Catalog (Internal)

Traffic



Average Daily Traffic



Layer List

Average Daily Traffic Stations

- ATR Site
- Miovision Count
- Classification Count
- Volume Count

ADTLinear

Turning Movement

ARNOLD Linear

- Local
- State
- US
- Interstate

City Limits

EXAMPLE

W

Search Traffic

Public **ADT Linear (Referenced Feature Service)**
Average Daily Traffic Mapped onto ARNOLD (With an estimated extent)

Public **ADT Linear (Referenced Map Service)**
Average Daily Traffic Mapped onto ARNOLD (With an estimated extent)

Public **Average Daily Traffic Points (Referenced Feature Service)**
Location of traffic counting stations . Update Frequency: Annually . C

Public **Average Daily Traffic Points (Referenced Map Service)**
Location of traffic counting stations . Update Frequency: Annually . C

Service or Dataset name: ADT_Stations

*This metadata refers to the spatial dataset that is developed from the Traffic Data Management System (TDMS) utilized in the Traffic Systems Management and Operations (TSMO) Division. It is not meant to document how traffic counts are collected, estimated, or finalized. Rather, it documents the usage and process on how the data is prepared to offer a visual dataset through maps and applications available through ARDOT.

1. Usage: Who are the primary users of this data and what kind of demand is on it?

Average Daily Traffic (ADT) is a heavily used, critical dataset used all over the department as well as by the public. Examples include Highway Performance Monitoring System (HPMS), transportation planning, and even real estate agents outside the department.

There are various ways that internal and external customers can access the final spatial results for the ADT.

County Route & Section (Highway) Map pdfs: shows the most current year available traffic counts on the State Highway System by county with some insets for urban areas. Link: <https://ardot.gov/divisions/tsmo/traffic-information-systems/maps/>

ADT Web Application: shows the location of the recorded or estimated traffic count, the count type based on color and text, the current year ADT available count as well as historic traffic counts in the same locations that can go as far back as 1986 in some cases. The application also shows the current year truck percentage (current and historic) where that information is available.

ADT Stations in the application are displayed using the following colors to distinguish between the different count types:

- ATR Site
- Miovision Count
- Classification Count
- Volume Count

HY

Close

Rest End Point Web App
Unavailable Data Dict

Rest End Point Web App
Unavailable Data Dict

Rest End Point Web App
Metadata Sheet Data Dict

Rest End Point Web App
Metadata Sheet Data Dict

EXAMPLE

WHERE/WHAT/WHY

The screenshot displays the AR/DOT GIS Data Catalog interface. On the left, a search bar contains the word 'Traffic'. Below it, a list of datasets is shown, including 'ADT Linear (Referenced Feature Ser...', 'ADT Linear (Referenced Map Servic...', and 'Average Daily Traffic Points (Referen...'. The main area shows the 'Properties' window for the 'ADT Stations' dataset, which is a FeatureClass with a Simple Geometry Type. The 'OID Field' is 'OBJECTID' and the 'GlobalID Field' is 'GlobalID'. The 'Data Dict' button in the sidebar is circled in red.

SubtypeFieldInfo	0
AttributeRule	0
Properties	
Key	Value
Name	SIR.DBO.ADT_Stations
Dataset Type	FeatureClass
Feature Dataset	SIR.DBO.TrafficInformationSystems
Dataset ID	53
Geometry Type	Point
Feature Type	Simple
Z-Aware	FALSE
M-Aware	TRUE
Split Model	Update Insert
Minimum Client Version	10.1
Alias	ADT_Stations
OID Field	OBJECTID
GlobalID Field	GlobalID
Subtype Field	
Default Subtype	
Editor Tracking Enabled	TRUE
Editor Tracking UTC	TRUE
Creator Field	created_user
Create Date Field	created_date

Rest End Point Web App
Unavailable Data Dict
Rest End Point Web App
Unavailable Data Dict
Rest End Point Web App
Metadata Sheet Data Dict
Rest End Point Web App
Metadata Sheet Data Dict

Data Utopia



To really get us under the palm trees and drinking from some coconuts, we need dedicated time and attention to give to this. Which means:

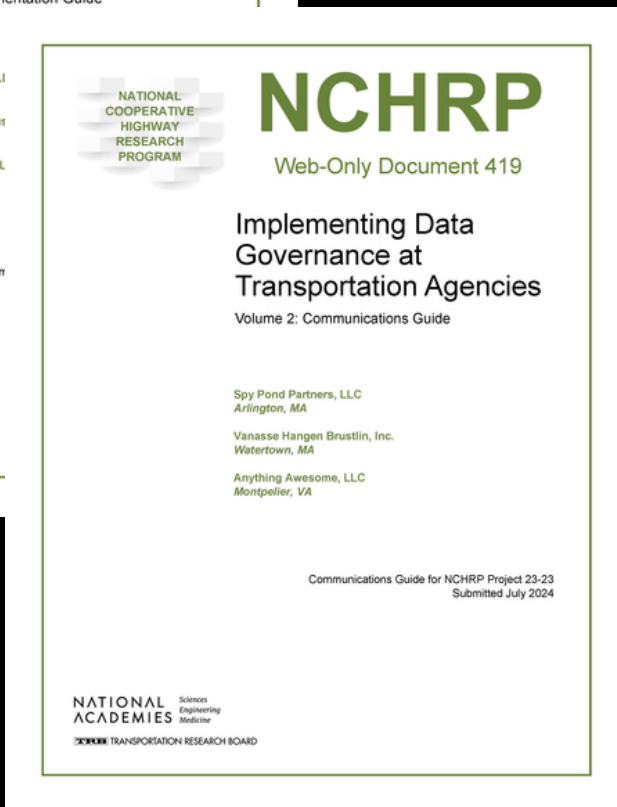
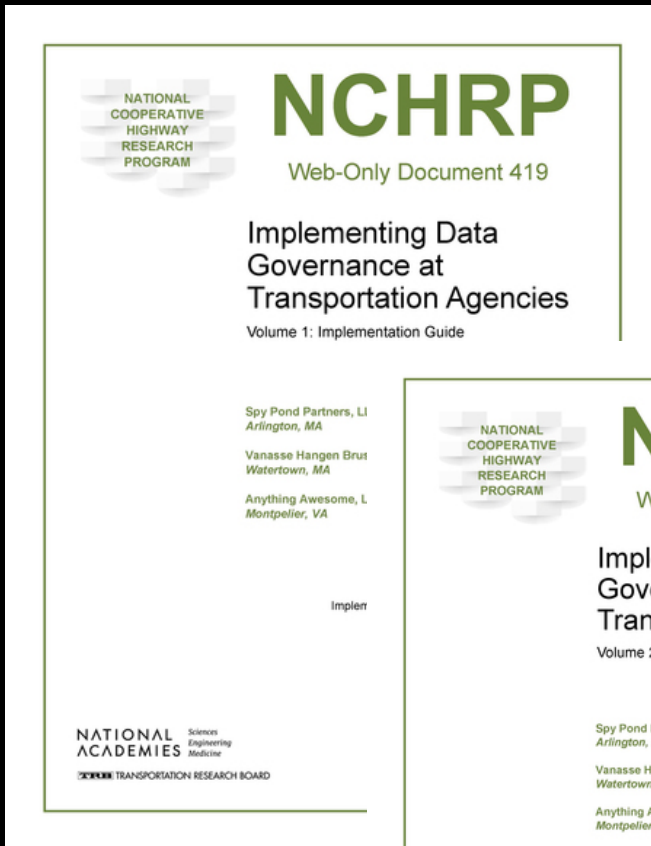
- **Goal Setting**
- **Small BUT Frequent Steps to accomplish those goals**
- **Support – from our immediate supervisors, from administration**
- **Leadership – within ourselves**



NCHRP Project 23-23

“While there are many useful tools and technologies supporting data management, the fundamental solution to data quality, consistency, interoperability and protection challenges is organizational rather than technological.”

- Leadership/Oversight/Established Roles
- Staff Education/Re-Prioritization of staff time allocations
- Coordination and collaboration across business units



FOR THE NEXT GENERATION OF MAGNET COLLECTORS



THANK YOU