

Outline

- Introduction
- ADKDOT&PF Right of Way Engineering
- Three Mapping Products
- The Problem of "Lost Location": ArcGIS Online Solution
- Data Sources
- Other Departmental Uses
- Help



AKDOT&PF Regions





AKDOT&PF Central Region



Central Region Headquarters

4111 Aviation Ave.

"Upside Down" Building

"Aviation" Building

AND PUBLIC FACILITIES

REGION CENTRAL



AVIATION DESIGN & CONSTRUCTION

HIGHWAYS DESIGN & CONSTRUCTION

MAINTENANCE & OPERATIONS

PLANNING & PROGRAMMING

SUPPORT SERVICES

AIRPORT LEASING





What does ROW Engineering do?



WAGEN









Central Region ROW Eng Staff

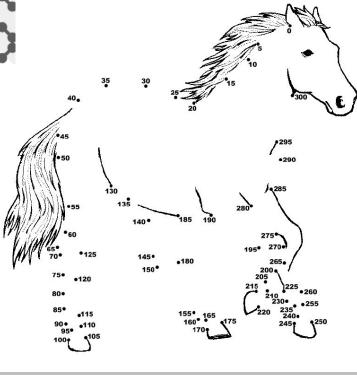




What does ROW Engineering do?

CONNECT THE DOTS







What We Really Do

What, where, how wide is the Right of Way? Who wants to know?

- Project managers scoping road projects
- Utility companies
- Subdividing Surveyors
- Property Owners

Why? Investing in infrastructure or improvements. Need to get it right.

How...



Three Types of Maps

- **Right of Way Base Map:** "Existing ground" for property interests. It identifies:
 - Public ROW & Platted Utility Easements
 - Legal descriptions and locations of adjoining properties
- Right of Way Plans: "Base map + design"
 - Design Centerline, Cut-Fill slopes & acquisition parcels, monumentation plan
 - To Federal Highways (FHWA) and Platting Authority
- Parcel Plats: Exhibit attached to deed for negotiations



Determining ROW

Determining ROW: Palmer Wasilla Highway Scanned ROW Mapping: 24 GB, 2100 Folders, 8300 Files

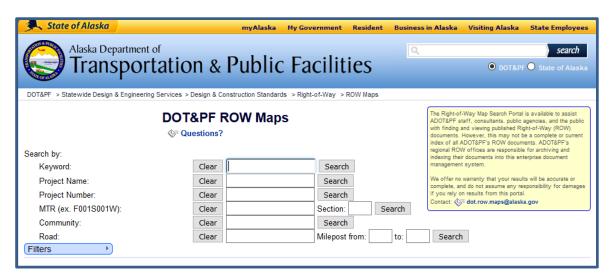
	Scanned ROW Mapping
	L To Be Indexed
	Anch Misc Docs
	Anchorage
	ARC BPR Mapping
	Bethel
	Bristol Bay Aleutian
	Eagle River
	Girdwood
	L Glenn Highway
	Homer
	La Hope Highway
	Liditarod Trail
	📙 Iliamna Recording District
	📙 Kenai Soldotna Area
ı	📗 Knik Arm Bridge Crossing (KABATA)
	Kodiak
	📗 Matsu Area Palmer Wasilla
	👢 57547 Matsu Area Roads Pv Pres; Farm Loop Rd & Buffalo Mine Rd
	👢 57547 Matsu Area Roads PV Prev; 58 Mile Rd North; 58 Mile Rd West; Jonesville Mine Rd North; & Eska Ri
	👢 Big Lake Fish Creek Bridge S-0511 (5)
	👢 Big Lake Fish Creek Park Wayside STP-TEA-0511 (7) (2002)
	Lake Junction S-0510 (3)
	👢 Big Lake Junction to Willow F-035-1 (12)
	👢 Big Lake Road S-0511 (1) (Territory of AK) (1959)
	📗 Big Lake Road South Big Lake Rd Recon STP-0001 (115) (1998)





ArcGIS Online Successes

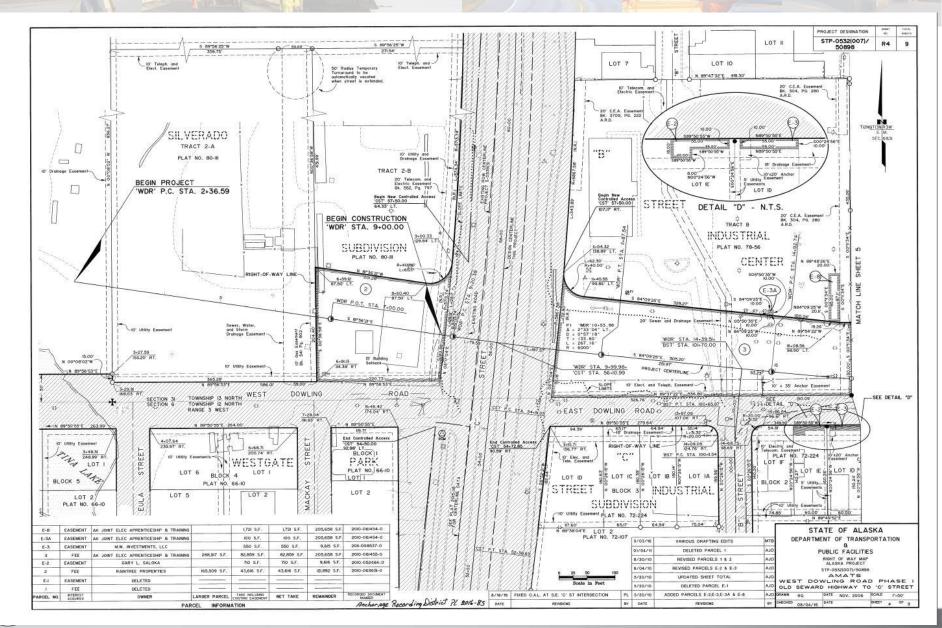
- Location information is back, How?
 - ROW map scanning project 2007-2008
 - Web Portal Created ~2014



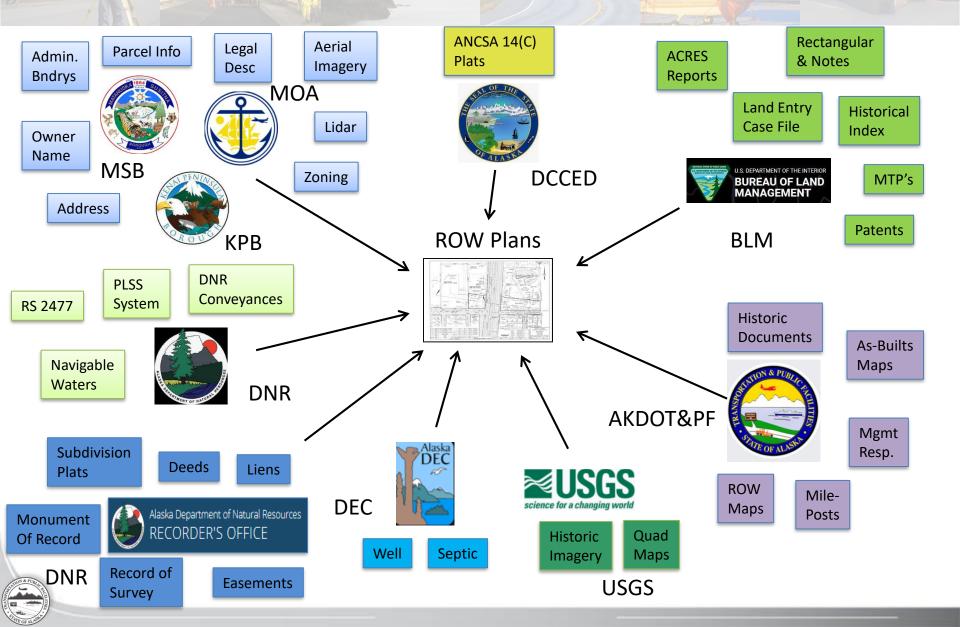
- Maps indexed and uploaded to database 2015
- Dec 2017 DOT Site license ArcGIS Online
- 2018/2019 connecting to GIS data from 7 GIS's, using attributes to speed up other research and eliminate errors



RWE Data Sources

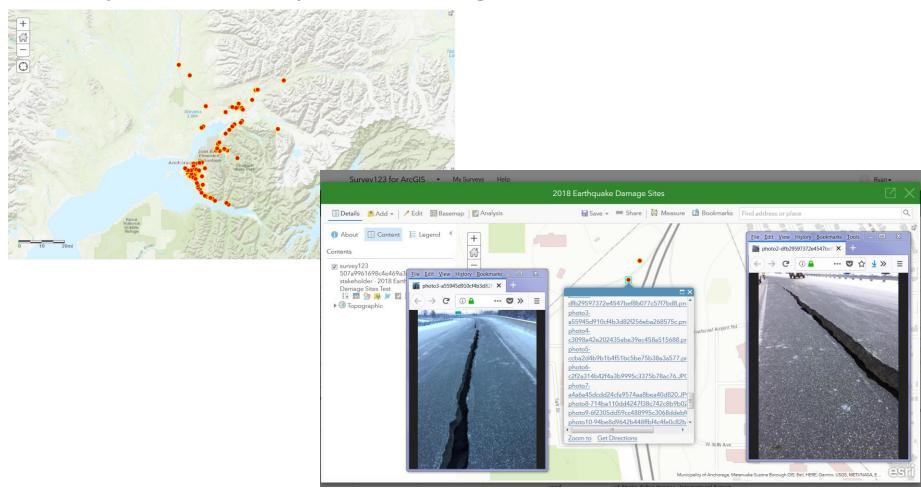


RWE Data Sources



Other uses

Survey 123: Earthquake Damage Documentation





Other uses

Property Management: Driveway Permit Inspections

Please return to:	:		Step One: Fill
	ROW File No		Chan Tura Tale
	Phone Number:		Step Two: Tak
Owner:	Parcel Address:		Step Three: So
INSPECTION	CHECKLIST FOR DRIVEWAYS		step illiee. St
across from driveway Looking ➤ Label photos with File Numbe	t distance: -feet from the fog line - Looking Left, Across, Right, and standing At - also drainage, ditch and anything that may affect the D/W er, Direction of photo (Example: Looking At, Looking Left), and		Step Four: Do
Who took them <i>INIT</i>	LAL INSPECTION with Photos		rename photo
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Yes No Shared D/W? Yes No Is there a ditch?	ne contact prior to going into the iteral.) valiable? Road Name: Depth:(Per Application) Length:(Ditch Depth x 4 + 2 - ft + Driveway Width)		Step Five: Ema
Yes No Culvert Required? Culvert D	Length: (Ditch Depth x 4 + 2-ft + Driveway Width) iameter:		staff for filing,
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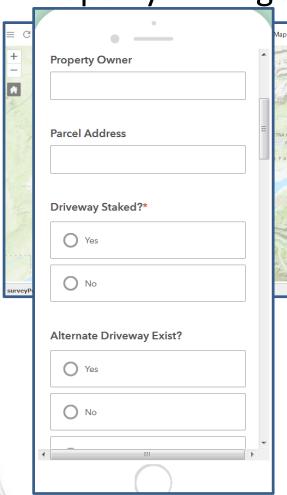
ail to appropriate

/approval



Other uses

Property Management: Driveway Permit Inspections



Step One: Fill out electronic form

Step Two: Take pictures

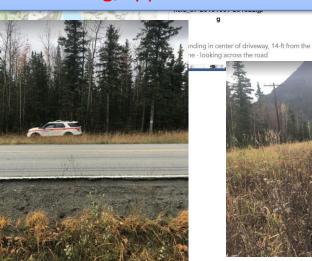
Step Three: Hit Send

Step Four: Download and

rename photos

Step Five: Email to appropriate

staff for filing/approval





MSB: https://arcg.is/1CWLub2 MOA: https://arcg.is/1CWLub2 MOA: https://arcg.is/1Lmnju KPB: https://arcg.is/1Lmnju KPB: https://arcg.is/14X5aS

Thank you! Help us or Questions?

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269-0561

