

A scenic view of a city skyline, likely Anchorage, Alaska, with snow-capped mountains in the background and a frozen body of water in the foreground. The text is overlaid on the image.

# Data Rich “Smart” Communities

Alaska Smart Communities Forum

February 25, 2020

The background features abstract, overlapping geometric shapes in various shades of green, ranging from light lime to dark forest green. The shapes are primarily triangles and polygons, creating a dynamic, layered effect. The central area is white, providing a clean space for the text.

# What is a Smart Community?

# Data Rich “Smart” Communities

*Communities across America are partnering to share data and software, avoid duplicate services, and better serve their communities with more information they can use.*

**Doug Miller**

Alaska Smart Communities Forum

# “Smart Community” Traits

- Doing business electronically (“digitally”)
- Networks and apps that make government services more accessible and user-friendly
- Broadband and WiFi available and affordable
- Increasing computer and Web skills for people
- Foster innovation and creativity

# “Smart Community” Traits

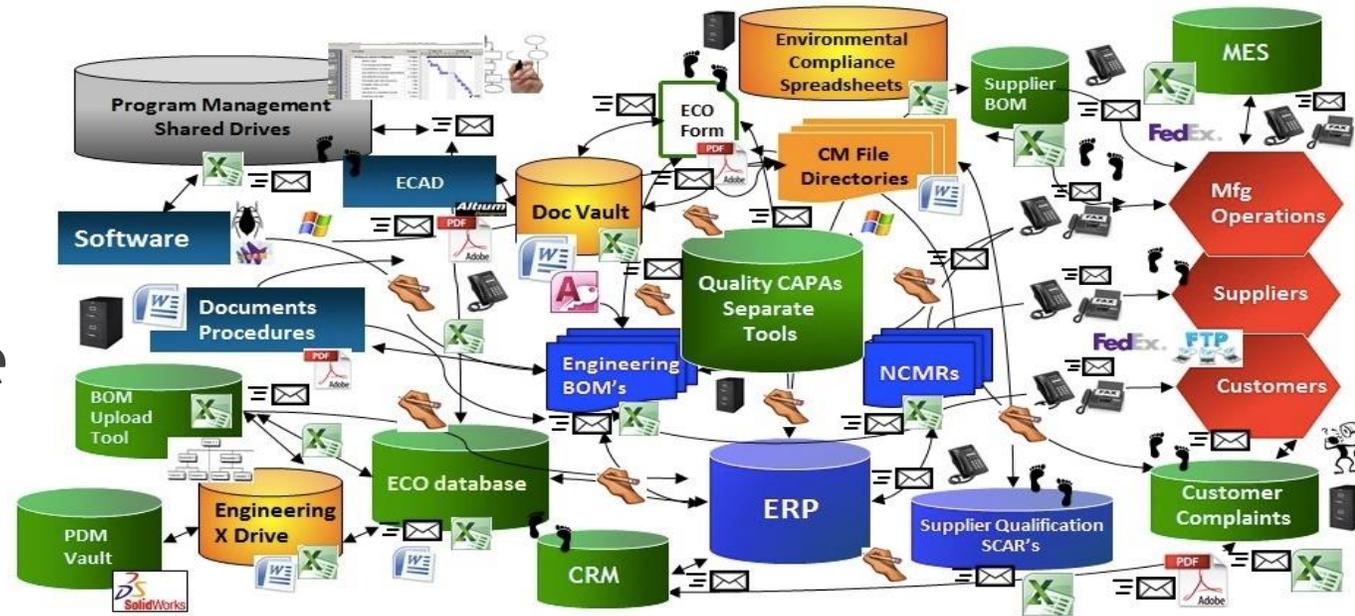
- ...not just about big city topics
  - Electric scooters and bikes
  - Parking and traffic management
  - Cameras and sensors everywhere
- ...also about
  - Sharing systems, costs, and skills
  - Combining data from many places
  - Publishing data that’s easy to access
  - Making it easier to do business





# Data siloed, redundant, and hard to get

- Same data entered many times
- Paper forms
- Information locked up in documents
- Multiple systems that do the same thing
- Passing paper files by hand
- Procedures not documented
- Systems not updated, secured



# Being a smart city...

- Easy to work with
- Responsive to customers
- Mobile apps
- Notification alerts
- Customer focused
- Secure systems
- Open, visual data
- Network of partners
- Shared systems





What Data?

# What Data?

- Property appraisals and assessments
- Crime and fire statistics
- Business inspections, licenses, violations
- Location data...
  - Parcel locations and addresses
  - Parks, trails, campgrounds, lake access
  - Fire stations, EMS services
  - Road projects, rights-of-way
- Business Services...
  - Tax payments
  - Driveway permits
  - Parking permits, camp reservations
  - Swimming lessons, and more

# Raw Data that changes slowly (buildings)

X	Y	OBJECTID	Status	Type	Name	Address	Account	Owner	Maint	Mgmt
1657156.572	2713892.138	3	Constructed	Public Safety	Scates PSB 6-4	18297 W POINT MACKENZIE RD	16N04W36D006	MSB	MSB	MSB
1687633.354	2724683.924	4	Constructed	Museum	Knik Museum and Mushers Hall of Fame	10514 S KNIK-GOOSE BAY RD	1474000T00A	MSB	Wasilla Knik	Wasilla Knik
1705501.517	2780936.621	9	Constructed	Public Safety	Fine PSB 7-1	1685 N PITTMAN RD	26970000000	MSB	MSB	MSB
1671832.866	2757614.938	19	Constructed	Library	Big Lake Library	3140 S BIG LAKE RD	17N03W21C009	MSB	MSB	MSB
1672185.729	2757994.897	21	Constructed	Public Safety	Beech PSB 8-1	3047 S BIG LAKE RD	2521000T00A-2	MSB	MSB	MSB
1676930.258	2756212.636	23	Constructed	Solid Waste	Big Lake Transfer Station	13582 W HOLLYWOOD RD	17N03W22D008	MSB	MSB	MSB
1708867.816	2751575.203	24	Constructed	Public Safety	Knik PSB 6-2	4568 S KNIK-GOOSE BAY RD	5037B03L001A	MSB	MSB	MSB
1832852.805	2736546.367	27	Constructed	Public Safety	Steffes PSB 2-2	8271 S BEN HUR DR	1343B01L001	MSB	MSB	MSB
1652277.895	2759622.368	28	Constructed	Public Safety	Helms PSB 8-2	19151 W FOUR DOG CT	17N04W24B010	MSB	MSB	MSB
1794700.632	2796008.62	30	Constructed	Public Safety	Stephan PSB 3-2	5955 N GLENN HWY	23730000000	MSB	MSB	MSB
1790900.074	2779613.147	33	Constructed	Recreational	Palmer Pool	1170 W BOGARD RD	18N02E32C017	MSB	MSB	MSB
1796337.377	2780690.963	42	Constructed	Recreational	OLD MSB Parks & Recreation Shop Building	553 E AUKLET AVE	5053000L001	MSB	MSB	MSB
1811843.067	2782016.343	49	Constructed	Recreational	Restroom(s)	2851 N MOUNTAIN TRAIL CIR	6484000T00A	MSB	MSB	MSB
1805551.153	2788438.246	50	Constructed	Public Safety	Phillips PSB 3-3	15855 E CLARK RD	18N02E23C029	MSB	MSB	MSB
1795933.952	2771093.605	52	Constructed	Public Safety	Palmer Ambulance 3-9	630 E STEEL LOOP	4422B03L004	MSB	MSB	MSB
1793894.437	2774474.537	53	Constructed	O&M	MSB Public Works O&M Building	1420 S INDUSTRIAL WAY	5129000L00C-2A	MSB	MSB	MSB
1795649.186	2777598.614	59	Constructed	Administrative	Mat-Su Borough DSJ Building	350 E DAHLIA ST	17N02E04B026	MSB	MSB	MSB
1809109.716	2757865.146	66	Constructed	Public Safety	Barnhard PSB 2-1	3355 S OLD GLENN HWY	2040B01L010	MSB	MSB	MSB
1812387.173	2755490.578	67	Constructed	Solid Waste	Butte Transfer Station	17390 E BUTTE TRANSFER ROAD	17N02E25A021	MSB	MSB	MSB
1654817.926	2655238.264	70	Constructed	Administrative	Port MacKenzie Office Building	28000 S DON YOUNG RD	41720000000	MSB	MSB	MSB
1832225.319	2818498.382	71	Constructed	Public Safety	Sutton PSB 1-1	15625 N GLENN HWY	19N03E27B009	MSB	MSB	MSB
1832287.681	2818192.746	72	Constructed	Solid Waste	Sutton Transfer Station	15625 N GLENN HWY	19N03E27B009	MSB	MSB	MSB
1835296.191	2819007.795	73	Constructed	Library	Sutton Library	11301 N CHICKALOON WAY	4004000L001A-4	MSB	MSB	MSB
1771834.942	2808800.917	76	Constructed	Public Safety	Palmer Fishhook PSB 3-5	8200 E TURNER RD	18N01E03A009	Private/MSB	MSB	MSB
1770062.648	2782958.727	77	Constructed	Public Safety	Maynard PSB 5-2	7731 E BOGARD RD	6718B14L014A	MSB	MSB	MSB
1725216.314	2787562.696	79	Constructed	Public Safety	Pittman PSB 7-2	5182 N PITTMAN RD	5256000T00A	MSB	MSB	MSB
1748141.273	2781174.335	81	Constructed	Utility	Alcantra Pump House	2732 E SELDON RD	18N01W36A002	MSB	MSB	MSB
1771304.645	2762554.286	90	Constructed	Public Safety	Breeden Storage Building	2151 S WOODWORTH LP	17N01E15D009	Private/MSB	MSB	MSB
1777674.219	2774373.523	91	Constructed	Animal Care	Animal Care and Regulation	9470 E CHANLYUT CIR	6775000L002	MSB	MSB	MSB
1778258.818	2774311.875	92	Constructed	Solid Waste	Central Landfill	1201 N 49TH STATE ST	6775000T00A	MSB	MSB	MSB
1737853.751	2770752.213	96	Constructed	Public Safety	DES Storage Building	401 E HERNING AVE	1066B08L008	COW/MSB	MSB	MSB
1751765.978	2772281.347	102	Constructed	Public Safety	Cottonwood PSB 6-5	680 N SEWARD MERIDIAN PKY	17N01W01D014	MSB	MSB	MSB
1739809.383	2772906.881	110	Constructed	Recreational	Wasilla Pool	701 E BOGARD RD	2095000T00A-1	MSB	MSB	MSB
1735921.401	2771292.268	112	Constructed	Public Safety	Central Mat-Su PSB 6-1	101 W SWANSON AVE	4966B02L004B	MSB	MSB	MSB
1675261.127	2839594.733	115	Constructed	Public Safety	Hatcher Pass PSB 12-2	14379 W WILLOW FISHHOOK RD	19N03W03B005	MSB	MSB	MSB
1633621.747	2835752.183	116	Constructed	Solid Waste	Willow Transfer Station	15469 N WILLOW STATION RD	19N04W05D006	MSB	MSB	MSB
1631453.448	2829706.981	120	Constructed	Library	Willow Library	23557 W WILLOW COMM CNTR CIR	5720000L001	MSB	MSB	MSB

# Raw Data that changes daily (police calls)

incident_num	date_time	day_of_week	address_num	address_road_primary	address_sfx_primary	address_road_intersecting	call_type	disposition	beat	priority
E19110020598	11/12/2019 23:43	3	4100	LANDIS	ST		T	K	834	2
E19110020597	11/12/2019 23:42	3	5300	EL CAJON	BLV		T	O	824	2
E19110020594	11/12/2019 23:38	3	0	INTERSTATE 805 NB		UNIVERSITY	T	O	838	2
E19110020592	11/12/2019 23:38	3	4800	LOGAN	AVE		T	K	446	2
E19110020590	11/12/2019 23:37	3	800	EUCLID	AVE		T	K	445	2
E19110020589	11/12/2019 23:37	3	9700	MIRA MESA	BLV		MPSSTP	O	242	2
E19110020588	11/12/2019 23:34	3	0		15	UNIVERSITY	T	O	832	2
E19110020582	11/12/2019 23:29	3	5400	MISSION CENTER	RD		MPSSTP	O	315	2
E19110020580	11/12/2019 23:25	3	5300	ORANGE	AVE		415N	K	826	3
E19110020578	11/12/2019 23:22	3	4400	F	ST		T	K	445	2
E19110020577	11/12/2019 23:22	3	0	STATE ROUTE 56 EB		RANCHO PENASQUITOS	23103	K	233	2
E19110020576	11/12/2019 23:22	3	1200	05TH	AVE		415V	K	524	1
E19110020575	11/12/2019 23:18	3	4000	35TH	ST		459A	U	838	2
E19110020574	11/12/2019 23:18	3	4900	54TH	ST		415N	K	326	3
E19110020573	11/12/2019 23:17	3	0	49TH	ST	LOGAN	T	O	446	2
E19110020571	11/12/2019 23:16	3	7200	CALLE CRISTOBAL			415N	K	242	3
E19110020570	11/12/2019 23:16	3	0	GREENFORD	DR	MIRA MESA	T	O	242	2
E19110020569	11/12/2019 23:15	3	4600	KANSAS	ST		245	U	813	0
E19110020568	11/12/2019 23:15	3	1900	STATE	ST		594	R	528	2
E19110020566	11/12/2019 23:12	3	7900	MISSION CENTER	CT		1151	O	315	2
E19110020565	11/12/2019 23:08	3	7900	MISSION CENTER	CT		1151	O	315	2
E19110020563	11/12/2019 23:07	3	4200	48TH	ST		T	O	826	2
E19110020561	11/12/2019 23:05	3	7100	CLAIREMONT MESA	BLV		T	K	313	2
E19110020560	11/12/2019 23:03	3	4500	MARKET	ST		T	K	445	2
E19110020559	11/12/2019 23:03	3	3700	04TH	AVE		415V	DUP	627	1
E19110020558	11/12/2019 23:03	3	9000	MIRA MESA	BLV		MPSSTP	O	242	2
E19110020557	11/12/2019 23:02	3	0	NATIONAL	AVE	35TH	T	O	442	2
E19110020556	11/12/2019 23:02	3	3800	03RD	AVE		COVER	K	627	0
E19110020555	11/12/2019 23:01	3	5700	TRINIDAD	WAY		MPSSTP	K	432	2

# Anchorage Open Data

## Welcome to Anchorage's Open Data Portal

"Making Anchorage an open data city will give Anchorage cutting edge transparency and improve engagement and access to the Municipality." -- Mayor Ethan Berkowitz



Restaurant Inspection Data Lens



Homeless Data



Property Data



Childcare Inspection Data Lens



Crime Data



Maps

# Anchorage Maps and Data

## MOA Maps and Data Gallery

Please Accept the Maps and Apps Gallery Terms of Use and Disclaimer All users of the Municipal Maps and Data Galleries must agree to the [Terms of Use and Disclaimer](#). By

More

### Tags

ADEC AFD AKDOT Alaska

Anchorage Anchorage Parks and Recreation APD Avalanche AWWU Basketball Camping Construction Crime Disc Golf Dog Parks Elevation Emergency Services Environmental Fire Flood Gallery Geology Golf Grid Maps How-to Instructional Maps Maps and Apps Gallery MOA MOAGIS Municipality of Anchorage Neighborhood Other Agencies Park Facilities Parks and Recreation Picnic Planning Police Pools Response Seismic Shelter Soccer Story Map Strava SWS Tennis Trailheads Utilities Volleyball Watershed Wind Zone



**All Available Maps and Apps** i  
Web Mapping Application



**Construction and Development Gallery** i  
Web Mapping Application



**Emergency Services Gallery** i  
Web Mapping Application



**Environmental Gallery** i  
Web Mapping Application



**Grid Maps (with PDF links)** i  
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**MOA Maps and Data User Guide** i  
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Web Mapping Application



**Planning Gallery** i  
Web Mapping Application



**Taxes and Property Information Gallery** i  
Web Mapping Application



**Utilities Gallery** i  
Web Mapping Application

# Open Data “Apps” Make it Easier to Use

Matanuska-Susitna Borough

[Browse all Data](#)

## Applications

Apps provide simple access to information and tools, so that citizens can better understand their community. Click any of the links below to explore the apps.

Better than  
Google Maps

<p><b>Aerial Imagery</b> Imagery Through Time - W...</p>	<p><b>High Schools</b> MSBSD Find My High School</p>	<p><b>Middle Schools</b> MSBSD Find My Middle School</p>	<p><b>Elementary Schools</b> MSBSD Find My Elementary ...</p>
<p><b>Wetlands Viewer</b> Mat-Su Borough Wetlands Vi...</p>	<p><b>Facility Reservations</b> Facility Reservations</p>	<p><b>FEMA Flood Maps</b> MSB Flood Map Update</p>	<p><b>What Goes Where</b> Recycling Facilities in the Mat...</p>



Better maps = less flood insurance

A scenic view of a city skyline with snow-capped mountains in the background and a frozen body of water in the foreground. The text "Smart Community Efforts Around the Country" is overlaid in white. The image shows a city with several tall buildings, including a prominent one with a glass facade, set against a backdrop of large, snow-covered mountains. The foreground is a large body of water, likely a lake or river, which is partially frozen with many small ice floes. The sky is a clear, pale blue, suggesting a bright day. The overall scene is a mix of urban development and natural beauty in a winter setting.

# Smart Community Efforts Around the Country

# Putting City Services Online

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state**scoop**

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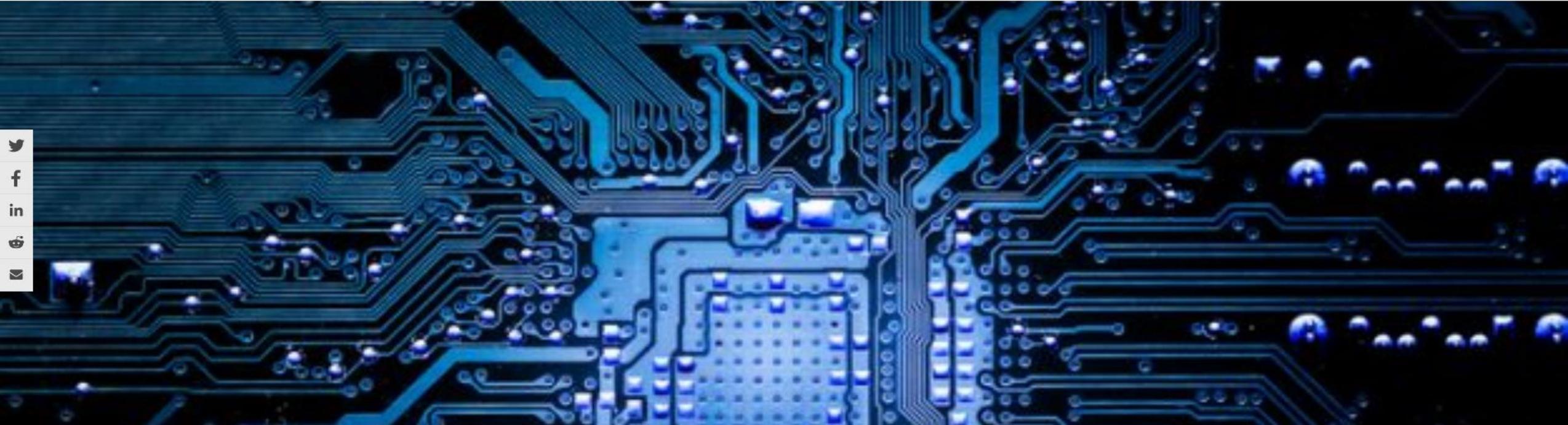
[WATCH](#)

[LISTEN](#)

[ATTEND](#)

[CONTENT STUDIO](#)

## Orlando begins quest to digitize every city service



# Cybersecurity Program for the Whole State

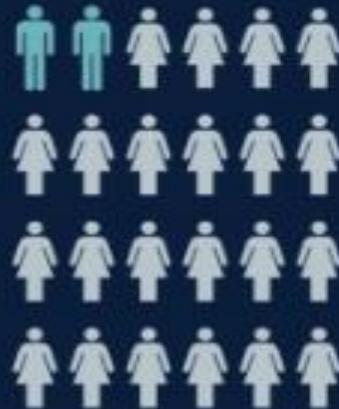


**5.7 million**  
**KNOWN** cyber attacks/month  
*(north dakota)*

**101 days**  
to detect an **UNKNOWN** attack  
*(global)*

**252,000**

Users on STAGEnet on any given day. This is equivalent to the size of Starbucks, a Fortune 30 company.



**500+**

Separate organizations manage their own cybersecurity, resulting in 500+ different approaches.

\* STAGEnet provides broadband connectivity, Internet access, and networking services for all state agencies, universities, local government, and K-12.

# Cybersecurity Program for the Whole State

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CONTENT STUDIO

Washington DC **CLOUD/WEEK** June 3-7, 2019 [Register now](#) PRESENTED BY **fedscope**

## North Dakota's IT department takes charge of cybersecurity for the entire state



- Creating state-wide IT Shared Services, unifying 31 state agencies
- Provide cybersecurity to 500+ counties, cities, universities, colleges, tribal organizations
- Safeguard personal data & provide *user-friendly experience*

NORTH Dakota Be Legendary™  
**CYBERSECURITY**

**5.7 million** KNOWN cyber attacks/month (north dakota)  
**101 days** to detect an UNKNOWN attack (global)

**252,000** Users on STAGEnet on any given day. This is equivalent to the size of Starbucks, a Fortune 30 company.

**500+** Separate organizations manage their own cybersecurity, resulting in 500+ different approaches.

# San Diego's Citywide Data Hub

LEISURE Explore, Play + Events   RESIDENT RESOURCES Pay Now, Parking + Help   DOING BUSINESS Fix, Plan + Build   LIBRARY Learn, Connect + Discover   PUBLIC SAFETY Police, Fire + Lifeguards   CITY HALL City Officials + Departments

Mayor Kevin L. Faulconer

Mayor Home About Kevin News Room Priorities and Accomplishments Neighborhood Services Staff

Browse Data Blog

Data SD

## San Diego Ranks 2nd Nationally for Innovation in Government

National Organization Recognizes City for Utilizing Technology to Improve Services and Engage Residents



Police	20
Department of Finance	10
Performance & Analytics	7
Transportation & Storm Water	6
SanGIS	6
Fire-Rescue	5
Planning	5
Development Services	4
Economic Development	4
Park & Recreation	4
City Treasurer	3
Public Utilities	3
Real Estate Assets	3

## Illegal Dumping Notifications

Last modified: 2019-11-14

Notifications for illegal dumping made by residents via the **Get It Done applications** and phone.

## Graffiti Removal Requests

Last modified: 2019-11-14

Requests for graffiti removal made by residents via the **Get It Done applications** and phone.

## 72-hour Parking Violation Notifications

Last modified: 2019-11-14

Requests for abandoned vehicle removal made by residents via the **Get It Done applications** and phone.

# San Diego - People can be more Informed

City of San Diego | Mayor Kevin L. Faulconer

[Browse Data](#) [Blog](#)

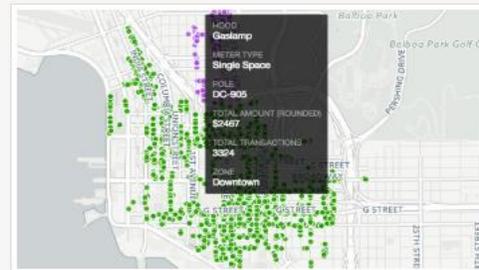


## See trends



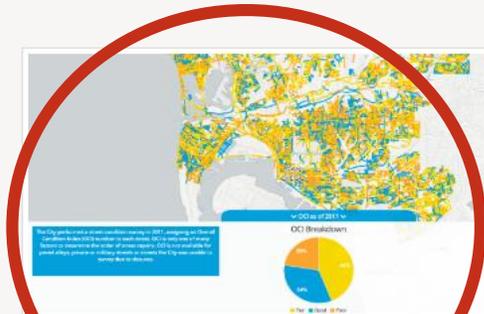
### SMART STREETLIGHTS

See where streetlights are getting upgraded



### PARKING METER REVENUE

Check how much each of the City's smart parking meters made last year



### STREET REPAIR WORK

Get a condition rating for each street in the City's network, plus view current and future street repair work



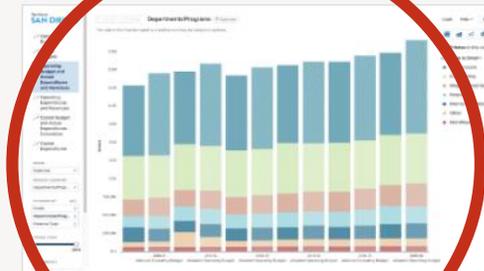
### GET WATER TESTING RESULTS

Use this map of the sampling sites where the City's Public Utilities Department tests for indicator bacteria.



### KEEP TRACK OF STREET SWEEPING

The City's street sweeping schedule might not be the first thing on your mind when you're looking for a parking spot - unless you've gotten one of those parking

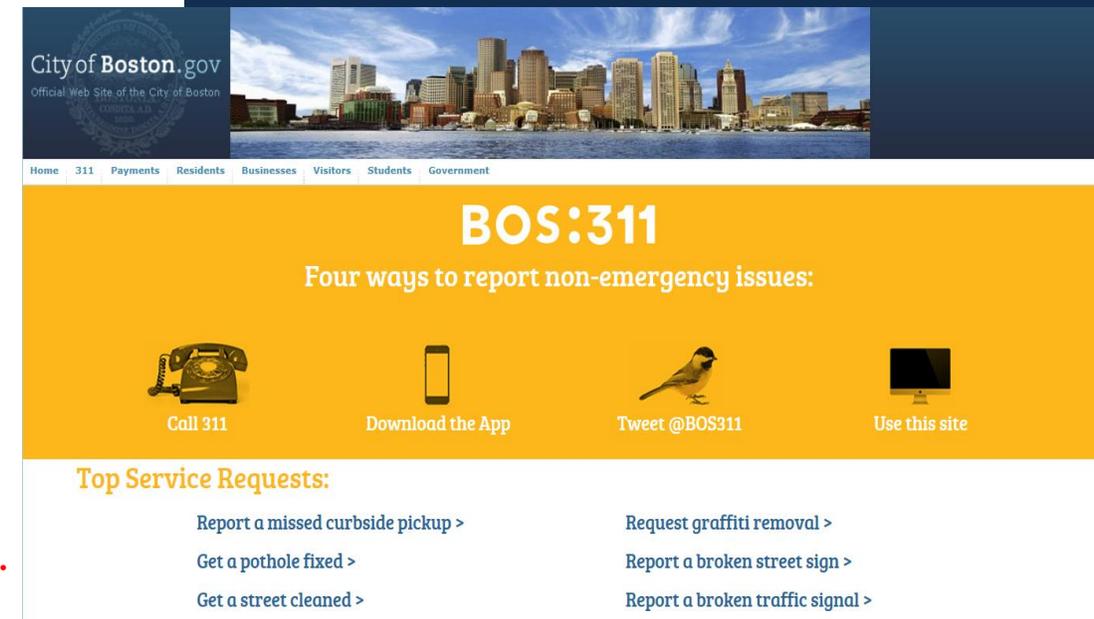
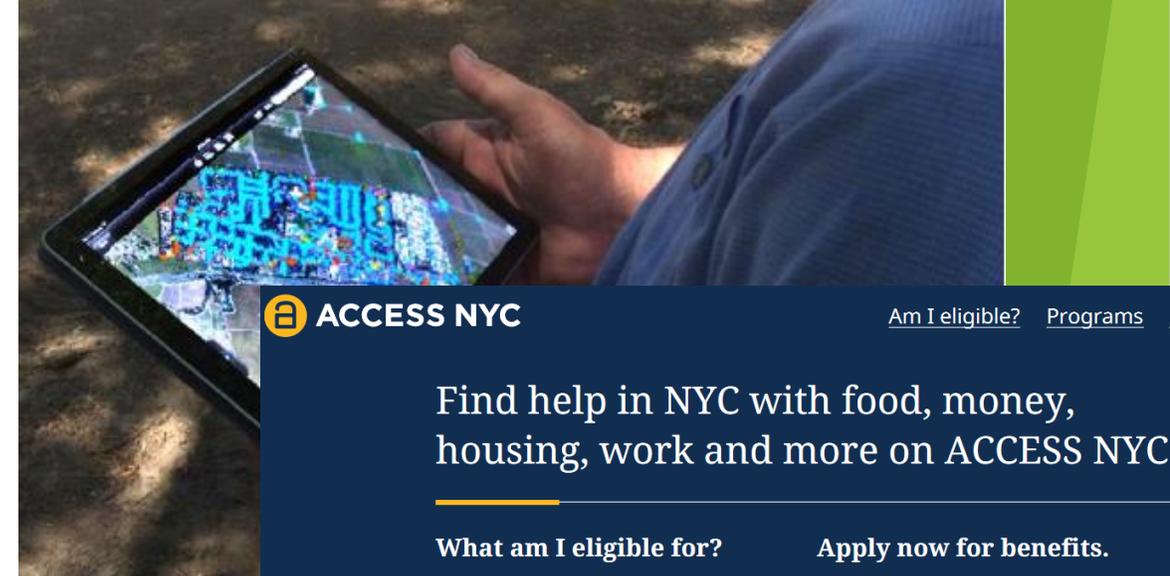


### BUDGET DATA SINCE 2011

Compare budgets with actual expenditures and revenue for the City's annual Operating and Capital budgets

# Mobile Apps, Faster Service

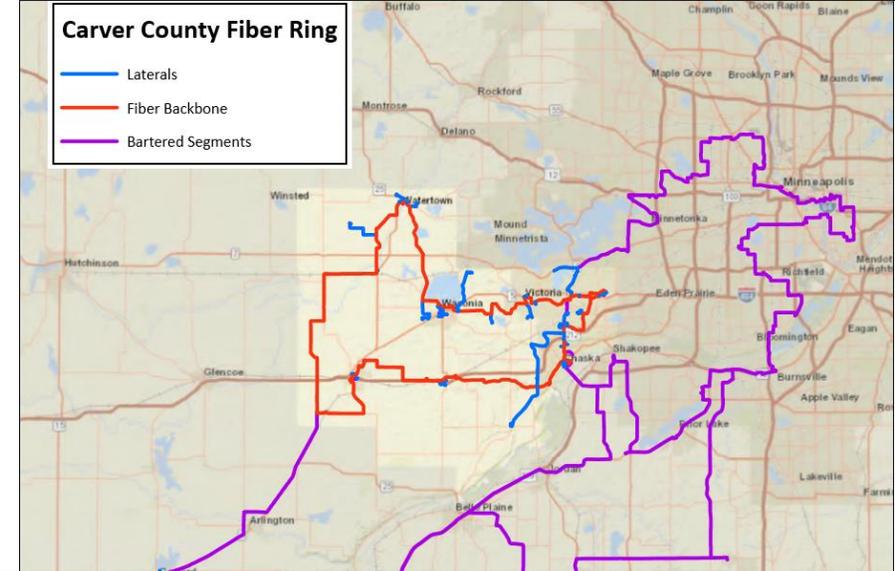
- Rancho Cucamonga, CA
  - Mobile apps
- New York, NY\*\*
  - “Access NYC” ties together social programs
  - View customers across all programs
- Boston, MA\*\*
  - “BOS:311”: service requests & issues
  - “City Worker”: faster service response



\*\* Source: “The Responsive City”, Stephen Goldsmith and Susan Crawford, 2014.

# Multiple Cities, One System

- Carver County, MN
  - County-wide fiber network
  - 6 cities; one GIS system; one staff
- State of Oregon
  - Statewide GIS system
  - Serving many counties, cities, state depts



The screenshot shows the homepage of the State of Oregon's geospatial data portal. The header features a lighthouse image and the text 'State of Oregon Geospatial Data, Maps & Applications'. Below the header is a section titled 'Oregon Popular and Trending Content' which displays four featured items: 'Leadership Briefing' (with a map thumbnail), 'Waterway Access Account' (with a river thumbnail), 'Firewood Cutting Permits' (with a map thumbnail), and 'Working together for watershed health' (with a map thumbnail). A right-pointing arrow is visible next to the last item.



Story Maps



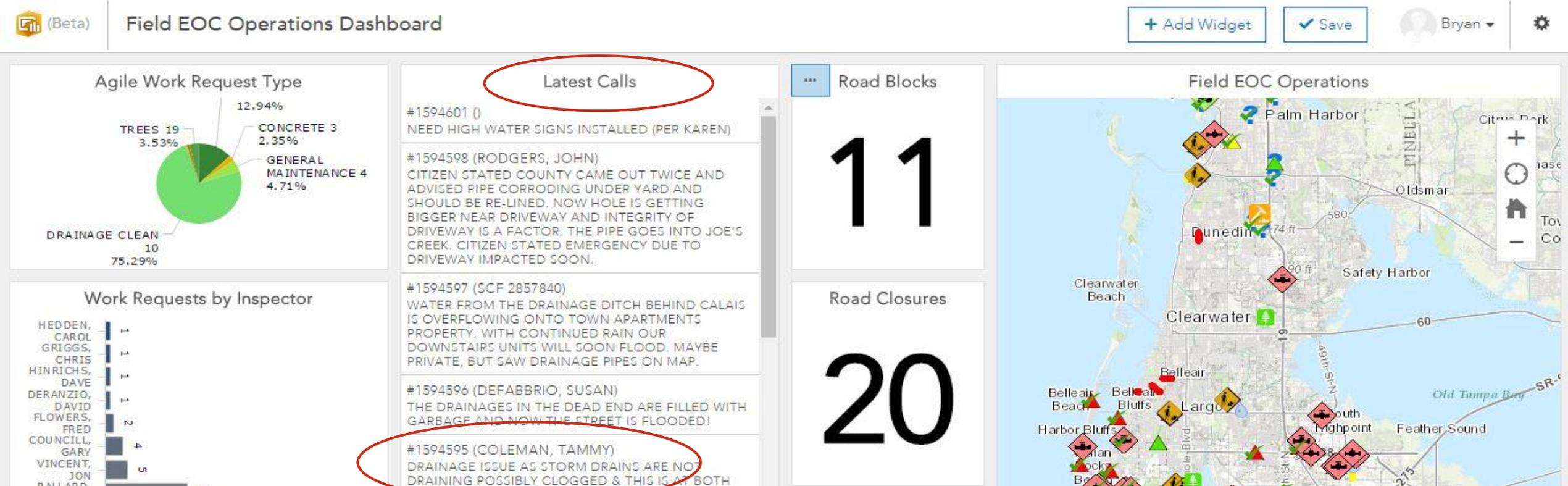
Featured Apps



Documentation

Oregon's ArcGIS Online helps make creating, collaborating, and sharing geospatial content easier than ever! You can explore all of this great content by viewing our featured [Story Maps](#), featured [applications](#), or use the links below to see what individual agencies are building. State employees or agencies wanting to join ArcGIS Online can refer to the [documentation site](#) for more information.

# 26 Cities on One System - Pinellas County



- Each city signs a **Data Use Agreement**
- Each city enters data for their area and view data for the whole county
- Gain access to a system, tools, and tech skills that they otherwise could not afford

# Public Private Partnerships - Austin, TX

Consortium of government, non-profits and tech companies to advance digital technologies, data collection, analytics, and modeling



## HEALTH & WELLNESS

Which neighborhoods have the highest rate of diabetes and is there a community center or clinic available in that neighborhood?



## MOBILITY

What alternative routes do people take to avoid congestion, and can they be improved with signage and lane markings? Which mode of transportation suits my needs?



## SAFETY

What is the safest and most well-lit route from the restaurant to the parking garage?



## AFFORDABLE HOUSING

What community programs are available for economically challenged citizens? Which neighborhoods have transportation and job resources nearby?



- Provide skills and expertise not always available in city government
- Able to coordinate, facilitate, sponsor projects
- Serve as an adjunct to city, county, state agencies

A scenic view of a city in Alaska, likely Anchorage, with snow-capped mountains in the background and a frozen body of water in the foreground. The city skyline is visible in the middle ground, featuring several tall buildings. The foreground shows a large body of water covered in ice, with some open water reflecting the sky. The overall scene is bathed in the warm, golden light of a low sun, creating long shadows and highlighting the textures of the snow and ice.

# Smart Community Efforts in Alaska

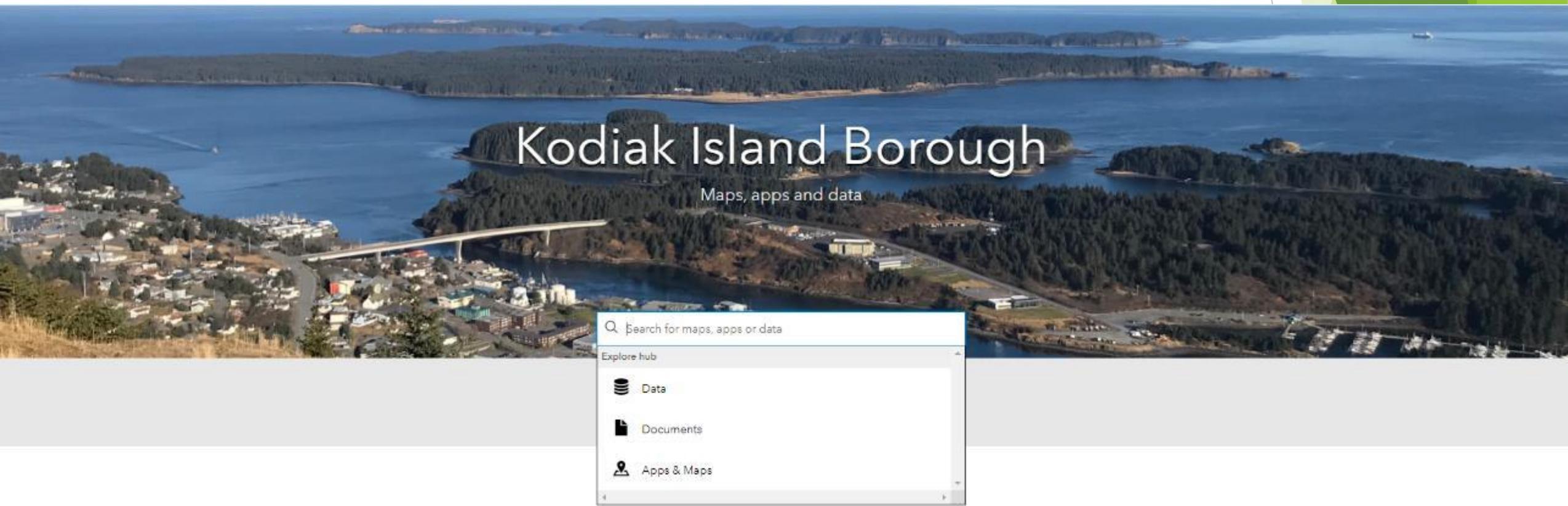
# Denali Borough & MTA Partnership

- Denali Borough lacks standard property addressing; slows down emergency response
- MTA needs standard addressing to improve its services and comply with federal reporting
- **Solution**
  - MTA providing GIS expertise and digital starting points on map files
  - Denali will use MTA's work to buildout and maintain standard addressing
  - Denali will have authoritative data to provide to Fairbanks EMS and MTA



# Kodiak Island Borough

- Kodiak Island Borough built-out its GIS platform
- Parcel and related data available to anyone
- Will imbed links to relevant property documents



# Mat-Su Problem Reporter - Internal "Dashboard"

**MSB Problem Reporter Dashboard**

Select Date Range: [Calendar Icon] [Clock Icon] Assembly District Number: None

### Reported Abandoned Vehicles

- Ticket Number:**  
Problem Type: Vehicle in ROW  
Status: Submitted  
Last Change Date: November 4, 2019
- Ticket Number: 1574**  
Problem Type: Vehicle in ROW  
Status: Submitted  
Last Change Date: October 28, 2019
- Ticket Number:** Land Management Property  
Problem Type: Vehicle in ROW  
Status: Submitted  
Last Change Date: September 13, 2019
- Ticket Number:**  
Problem Type:  
Status: Submitted  
Last Change Date: November 12, 2019  
Last update: a few seconds ago

List | Map Legend

### Abandoned Vehicles

**9**

### Current Workload

Last update: a few seconds ago

Workload	2020 C	2019 C	2018 C	2017 C
Abandoned Vehicles				

### Reported Illegal Dumpsites

- Problem Type:** Bulk Item Pickup  
Status: Submitted  
Last Change Date: November 13, 2019
- Problem Type:** Bulk Item Pickup  
Status: Submitted  
Last Change Date: November 5, 2019
- Problem Type:** Bulk Item Pickup  
Status: Submitted  
Last Change Date: November 1, 2019
- Problem Type:** Bulk Item Pickup  
Status: Submitted  
Last Change Date: August 14, 2019
- Problem Type:** Loose Trash Pickup  
Status: Submitted  
Last Change Date: April 8, 2019  
Last update: a few seconds ago

### Illegal Dumpsites

**8**

### Current Workload

Last update: a few seconds ago

Workload	2020 C	2019 C	2018 C	2017 C
Illegal Dumpsites				

# Mat-Su Problem Reporter - Internal "Workbench"

Right of Way Problem Reports 1 selected / 46

Ticket Number	Location	Type of Problem	Details	Number of Votes	Public View
NO TAG- SOA/DOTPF ROW	1 mile east of the Fairway highway, in a park	Vehicle in ROW	Red Ford Escort - referred to state DMV		Yes
1617	near 1124 S Rogers Rd. Big Lake area	Vehicle in ROW	Junk metal in ROW		No
	Adjacent to 6825 S Hayfield Rd	Vehicle in ROW	2 cars, car hood, car parts and tires placed		Yes
REMOVED BY OWNER	S Fian Cir	Vehicle in ROW	Red and black GM 4x4 Truck-CCUC and		Yes
NO TAG- REMOVED FROM ROW	Shearwater off Hallie & Caramel off KGB	Vehicle in ROW	Owner to moved vehicle from ROW		Yes
NO TAG- SOA/DOTPF ROW	N Pittman Rd and Meadow Lakes Loop	Vehicle in ROW	Red over black chevy with red camper shell		Yes
	7577 W Scarlet Dr	Vehicle in ROW	2 vehicles		Yes
Per Kevin - Active CC Case so I am closing	E McDowell and Welch off Wasilla Fish	Vehicle in ROW	Junk Property with vehicles in ROW-Will		Yes
1284	on the right on Prospect mountain dr	Vehicle in ROW	Chevy malibu - grey - GRH924		Yes
Land Management Property	Maud at end of road by creek on right s	Vehicle in ROW			No

Complaint Information Comments (0)

---

**Road Problems: Vehicle in ROW**

Ticket Number

Location: end of Halston Rd in the culdesac

Type of Problem: Vehicle in ROW

Details: 3 stripped vehicles dumped in the culdesac

Number of Votes

Public View: Yes

Name: Casey

User Name



# Mat-Su Problem Reporter - View Real-time Data

**MSB** Mat-Su Problem Reporter Sign In ?

**MSB Problem Report -Right of Way Problem** 0 ▼

Vehicle In ROW: 1524 Pioneer Peak Drive

Location Details (Street Name, Cross Street, or Address)	1524 Pioneer Peak Drive
Type of Problem	Vehicle in ROW
(Make/Model, Lice Plate, and Additional Info)	KIA Optima EJP 863 Blue 4 door car
Date Submitted	10/28/2019, 12:13 PM
Status	Completed
Resolution	RSA Called AK Car Crushing to Tow

Edited by MSB\_ErinLeaders on Friday at 7:54 AM

[♥](#) [💬](#)

**Gallery**

**Comments**  
No comments available

**Legend**

- Submitted (S)
- Completed (C)
- In Progress (P)
- Received (R)

Map labels: Houston, Meadow Lakes, Tanaina, Wasilla, Gateway, Palmer

# Mat-Su eCommerce - Services to Buy Online

## Business



**Business Licenses**  
Biennial Business License

## Emergency Services



**Ambulance Fees**  
Pay MSB Ambulance Fees



**Fire Code Fees**  
Pay Fire Code Fees  
▲ *convenience fee applies*

## Personal



**Ball Field**  
Reserve a ball field at Alcantra



**Campsites**  
Reserve Campsite at Mat River Park



**Christmas Trees**  
Christmas Tree Cutting Permit



**Driveway Permits**  
Begin Driveway Permit Application



**Parking Passes**  
Parking for Borough Parks and Trails.



**Pavilions**  
Rent a Pavilion for a full, or half day.



**Personal Use Firewood Permit**  
Good for up to 10 cords per permit, depending on location.



**Personal Use Gravel Permit**  
Good for up to 100 yards personal gravel extraction, depending on location.



**Soccer Fields**  
Reserve an MSB Soccer field



**Swimming Lessons**  
Register for Swimming Lessons

## Taxes



**Bed Tax**  
Pay your Quarterly Bed Tax  
▲ *convenience fee applies*



**Business Inventory Tax**  
Sometimes called Personal Property Tax  
▲ *convenience fee applies*



**Real Property Tax**  
Property Taxes, due twice a year.  
▲ *convenience fee applies*



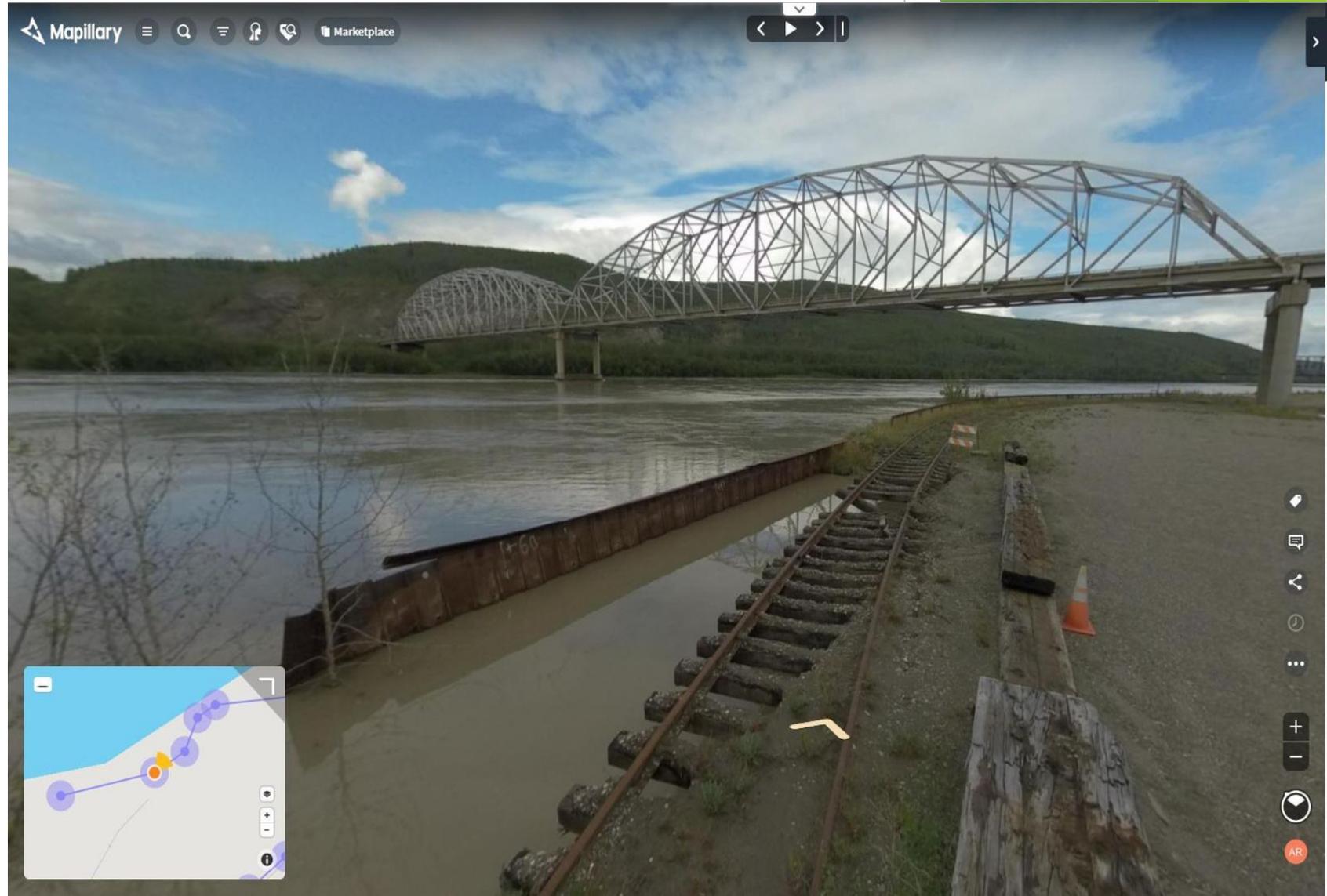
**Tobacco Tax**  
Pay MSB Tobacco Tax online  
▲ *convenience fee applies*

# Online Driveway Permits



# Alaska Railroad Imagery Tied to GIS Maps

- Using Mapillary and 360 camera
- Google-like imagery along the entire rail line



# DOT Right-of-Way App: Data from 20+ Sources

The image displays a screenshot of the Alaska DOT&PF ROW Research Map interface. The map shows an aerial view of a city area with various data layers overlaid. A central window titled "ROW Plans" displays a technical drawing of a road layout. A pop-up window titled "Management Responsibility" provides details for a specific road segment: Main Street Loop (Kenai), managed by the City or Municipal Highway Agency, with Route ID 2141072X000, extending from KENAI SPUR HIGHWAY (117600) to KENAI SPUR HIGHWAY (117600). The interface includes a search bar at the top left and a toolbar with navigation and map controls. Numerous data layers are labeled with green and yellow boxes, and agency logos are scattered across the map. The labels include: Admin. Bndrys, Parcel Info, Legal Desc, Aerial Imagery, ANCSA 14(C) Plats, ACRES Reports, Rectangular & Notes, Owner Name, MSB, MOA, Lidar, Zoning, DCCED, BLM, Land Entry Case File, Historical Index, Address, KPB, MTP's, Patents, RS 2477, PLSS System, DNR Conveyances, Navigable Waters, DNR, Historic Documents, As-Built Maps, Subdivision Plats, Deeds, Liens, DOT&PF, Mgmt Resp., Monument Of Record, Alaska Department of Natural Resources RECORDER'S OFFICE, Well, Septic, Historic Imagery, Quad Maps, Record of Survey, Easements, USGS, and Mile-Posts.

# SWAMC Interactive Charts Online



CEDS Report ▾

Executive Summary

Figure 6.2: Southwest Alaska Fisheries Value, Landing Trends, and Permit Usage

Source: National Marine Fisheries Service

Filter: Total Pounds Landed

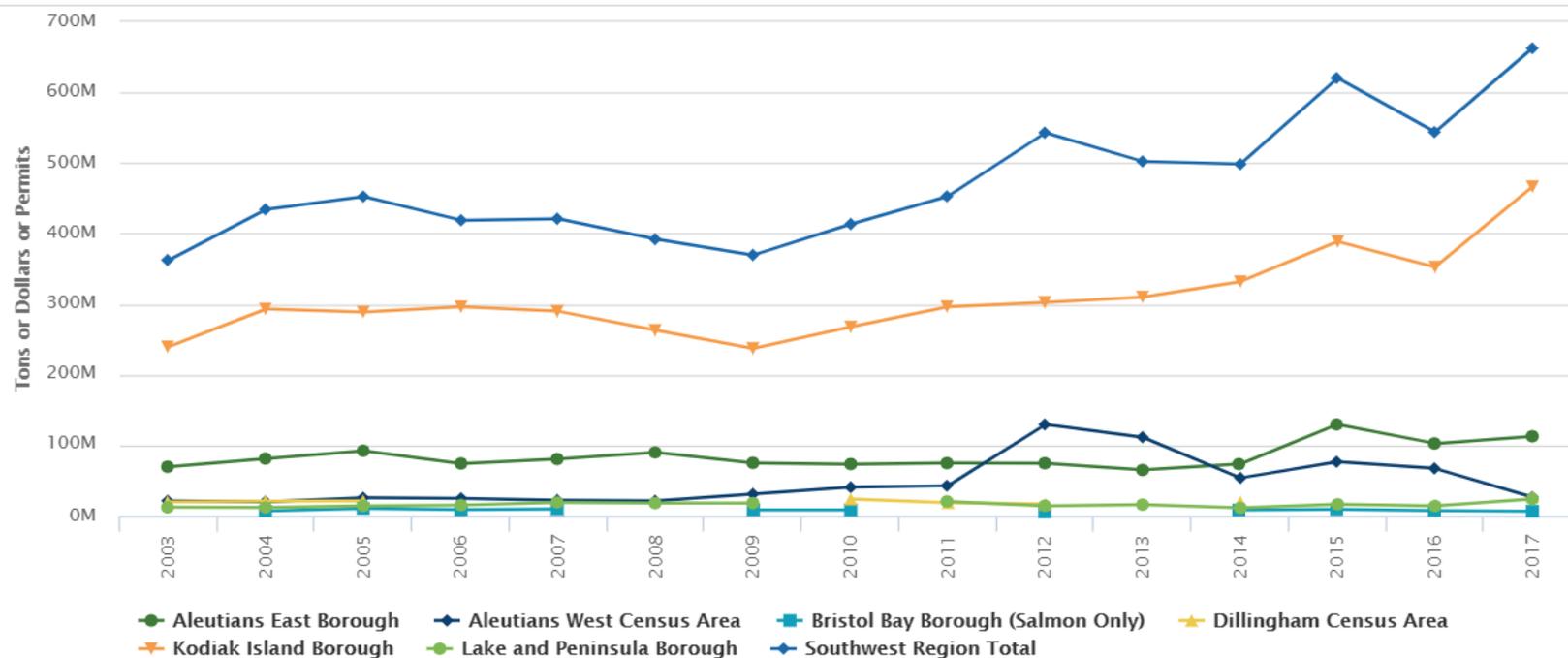


Figure 6.3: Vessels in Southwest Alaska

Source: National Maritime Fisheries Service

Figure 6.4: Federal Fishing Fleet

Source: North Pacific Fishery Management Council



# DCCED Community Database Portal

## Welcome to the new Alaska Community Database Online

This new Community Database Online is a portal for information resources about Alaskan Communities and Places of Interest in an interactive format. For information on how to navigate this site, click *How to use this site* at the top of the screen.

This site is best used in **Mozilla Firefox** or **Google Chrome**.

The screenshot displays the DCCED Community Database Portal interface. On the left is a navigation menu with a list of communities. The main content area features a map of Alaska with a pop-up window for the community of Akutan. The pop-up window provides the following details:

- Akutan**
- Community Details: [More Info](#)
- Pronunciation: ACK yoo tan
- Community Type: 2nd Class City
- Incorporation Date: 1979
- 2018 DCCED Certified Population: 994
- Federally Recognized Tribe: Native Village of Akutan
- [Community Photo Library](#)
- [Community Plans Library](#)
- [Community Infrastructure Library](#)
- [Community Profile Maps](#)
- [Financial Documents](#)

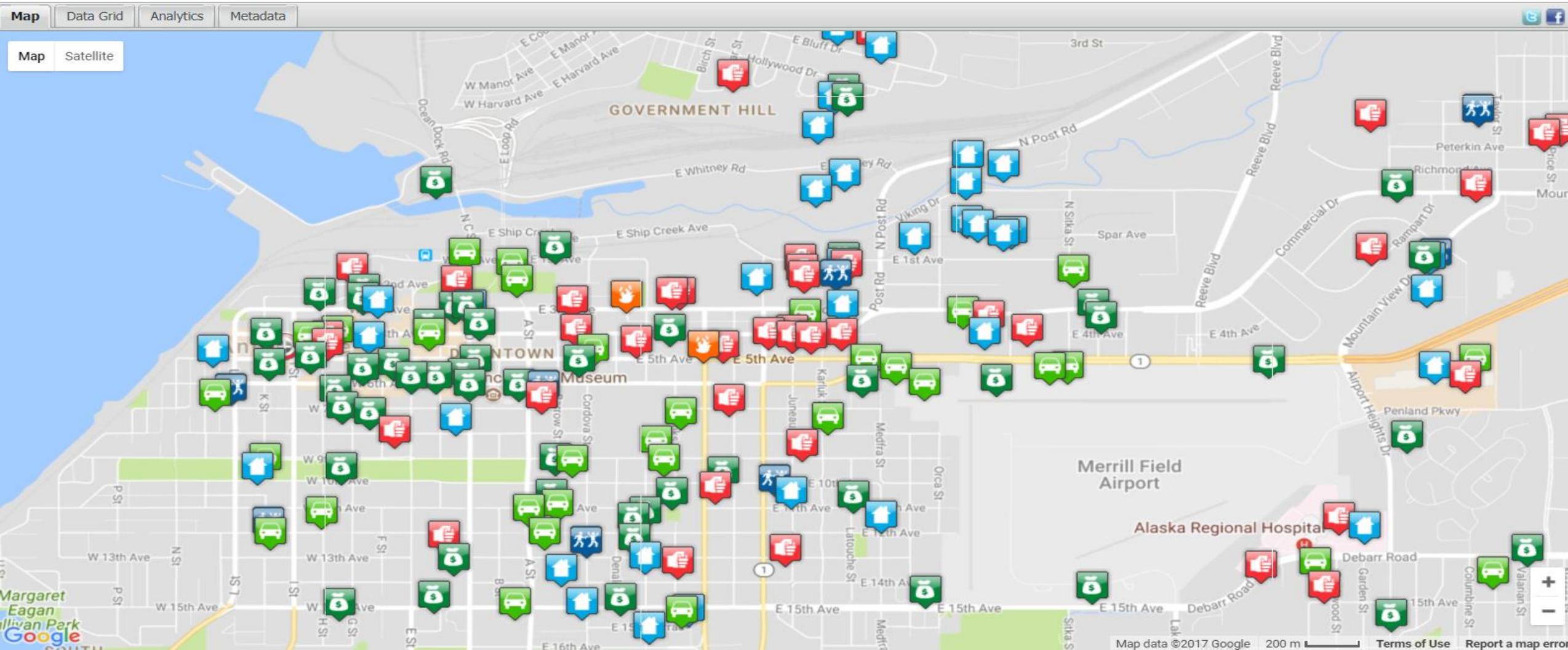
The map shows Akutan highlighted in green, with other communities like Gold Bay, Belkofski, False Pass, and Sanikilille also marked. The map includes a search icon and a home icon in the top right corner. The bottom of the map area contains the text: "State of Alaska, Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NP..."

# Anchorage Crime Map

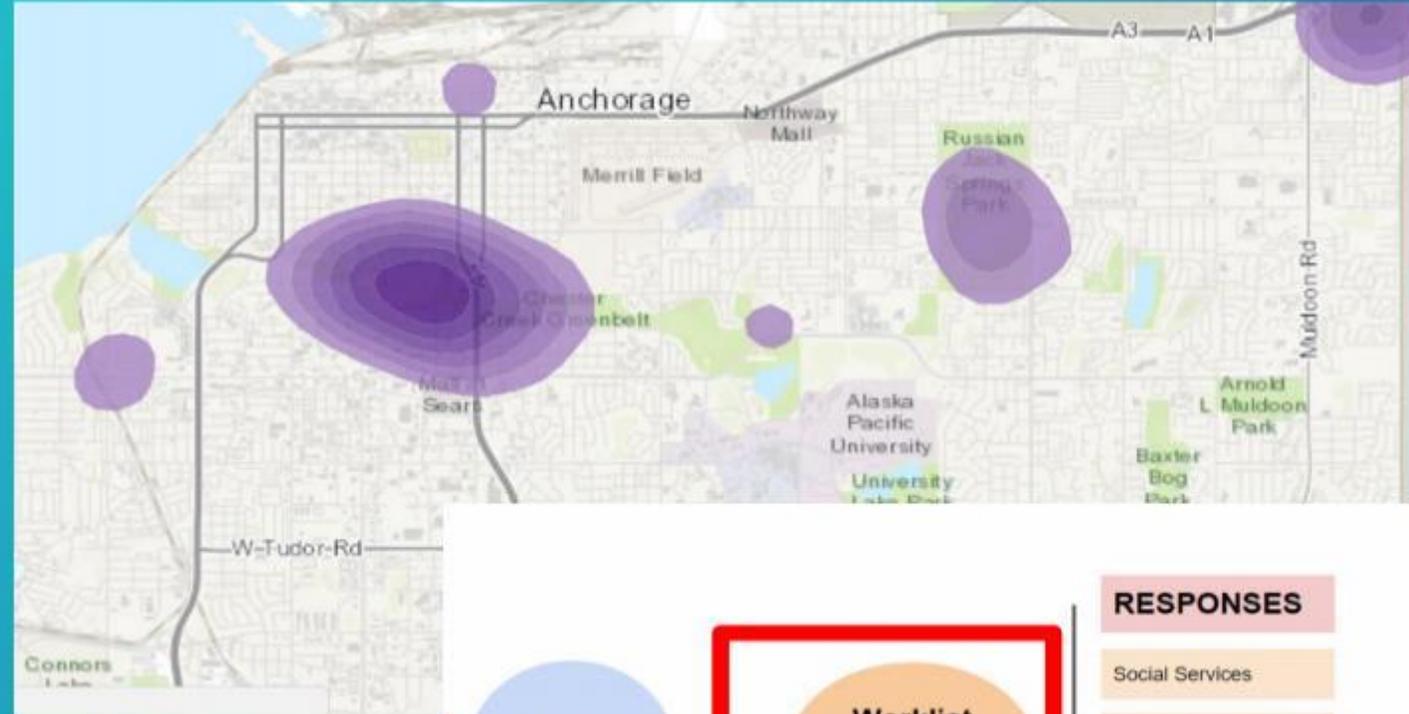
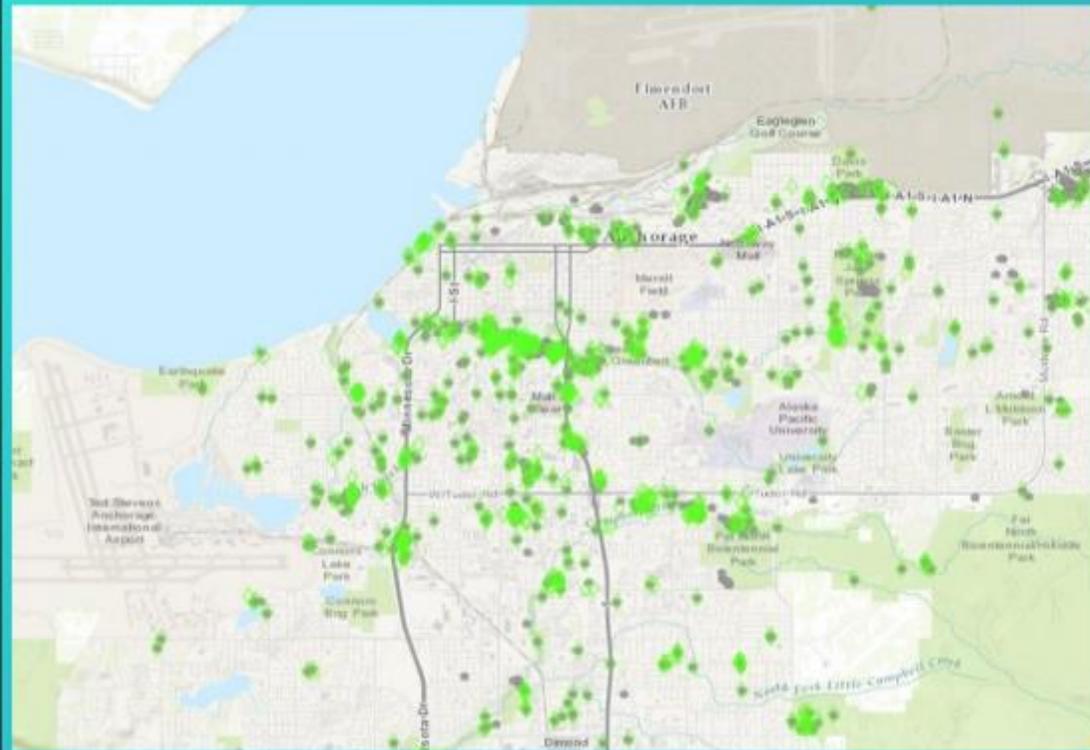
## Community Crime Map

Sign up for crime alerts

Clear Filters



# Holistic Approach for Homeless Encounters



Increased Information  
Improves Processes



# Anchorage Online Service Requests



MUNI HOME



## Service Request

\* Required Field

### PERSONAL INFORMATION

Specify your name and contact information.

First Name	<input type="text"/>	Last Name *	<input type="text"/>
Address Line 1	<input type="text"/>		
Address Line 2	<input type="text"/>		
City	<input type="text"/>	State/Province	ALASKA <input type="text"/>
ZIP/PC	<input type="text"/>	Country	<input type="text"/>
Day Phone	<input type="text"/>	Evening Phone	<input type="text"/>
Mobile Phone	<input type="text"/>	Fax	<input type="text"/>

# AKLink for Transportation Options

The screenshot displays the AKLink website interface. At the top, the navigation bar includes the LINK AK logo, HOME, EVENTS, LOGIN HERE, REGISTER, CONTACT US, FAQS, and LANGUAGE. The main content area is divided into a left sidebar and a right main panel. The sidebar lists transportation modes: TRANSIT (4), BIKE (2), WALK (1), VANPOOL (0), CARPOOL (7), and DRIVE (1). The TRANSIT option is selected, showing a 26-minute trip for 2.8 miles with 1.1 LBS CO2 emissions, leaving at 05:45 PM. The main panel shows the route details: Downtown Anchorage, Anchorage, Alaska, with an arrival time of 6:12 PM and an estimated fare of \$2.00. The route is via East 34th Avenue, taking 26 minutes for 2.8 miles, starting at 6:01 PM and ending at 6:27 PM. A detailed walking route is provided, starting at 6:01 PM in Downtown Anchorage and ending at 6:27 PM. The route includes a walk to the bus stop, a bus ride on the 25-TUDOR line, and a walk to the destination. The bus stop is located at East 34th Avenue and E Tudor Rd, with a departure time of 6:08 PM. The bus is operated by Anchorage People Mover. A map on the right shows the route from point A (Downtown Anchorage) to point B (East 34th Avenue and E Tudor Rd) via East 34th Avenue. The map includes street names, landmarks like Merrill Field and Chester Creek Sports Complex, and a ZIPCAR icon.

**LINK AK** HOME EVENTS LOGIN HERE REGISTER CONTACT US FAQS LANGUAGE

**TRANSIT (4)**  
26 MIN 2.8 MI  
1.1 LBS CO2  
Leaving at 05:45 PM

**BIKE (2)**  
16 MIN 2.8 MI  
0 LBS CO2

**WALK (1)**  
55 MIN 2.7 MI  
0 LBS CO2

**VANPOOL (0)**

**CARPOL (7)**

**DRIVE (1)**  
9 MIN 2.6 MI  
1.7 LBS CO2 \$1.49

**Downtown Anchorage, Anchorage, Alaska**  
Arrive at: 6:12 PM  
Old Seward Hwy, Anchorage, Alaska, 99503  
estimated fare ~\$2.00

**VIA EAST 34TH AVENUE**  
26 min 2.8 mi  
6:01 PM > > > 6:27 PM

**Depart at: 6:01 PM**  
Downtown Anchorage, Anchorage, Alaska

**WALK**

DEPART on B Street 293 ft

RIGHT on West 6th Avenue 714 ft

LEFT on D Street 539 ft

LEFT on alley 332 ft

**25 - TUDOR AT 6:08 PM**  
Service by: Anchorage People Mover

From C STREET & 7TH AVENUE SSW to Outbound

Anchorage

ZIPCAR

Manataska-Susitna Borough GIS, Municipality of Anchorage, State of Alaska, Esri, HERE, Garmin, METI/NASA, USGS, EPA, NPS, USDA Powered by Esri

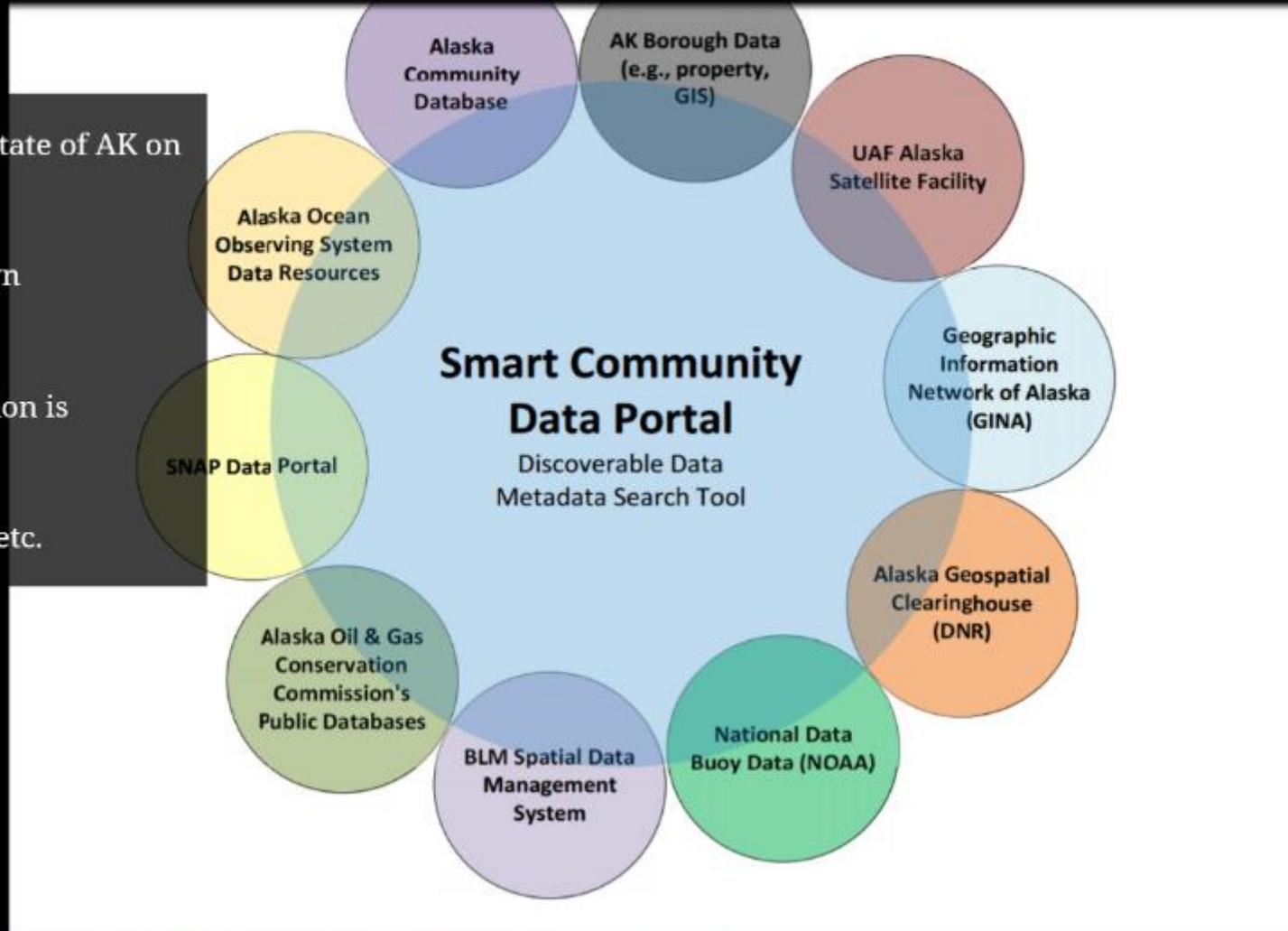
# State-level Idea to Create a “Portal of Portals”

Evaluate joining forces with State of AK on Geospatial Clearinghouse

Build partnerships with known organizations

Define what the hosting solution is

Continue to gather and track data/documents/applications/etc.



# AK GeoPortal - In Progress

- Underway for several years led by DNR to create a single portal for geographic data
- Geospatial Council to drive direction and data standards, but funding and staffing is a challenge

## Explore Data Categories



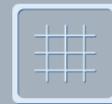
Administrative



Classification



General Land Status



Reference Grid



Elevation



Geology



Infrastructure



Land Activity



Mineral Activity



Natural Resource



Ownership



Physical Feature



Recreational



State Surveys &



Water



### Spatial Datasources

- Available Layers
  - Biological
  - Borough Tax Parcels
  - Boundaries
  - Cultural
  - DNR Land Records
  - Environmental
  - General Land Status

### Data Description

Select a Datasource from the tree to view information

A scenic view of a city skyline, likely Anchorage, Alaska, with snow-capped mountains in the background and a frozen body of water in the foreground. The text is overlaid on the image.

# Challenges to Building Smarter Communities

Alaska Municipal League

November 21, 2019

# Challenges to Building Smarter Communities



DATA SILOS



NO COMMON DATA  
STANDARDS



INCOMPATIBLE  
TECHNOLOGIES



WHO OWNS THE  
DATA?



DATA PRIVACY



KEEPING  
INFORMATION  
RELEVANT



SUSTAINING WHAT  
IS BUILT



DECREASING  
BUDGETS

## Lessons from Other Communities

- Imagine city, county, or state as platform
- Start with issues you want to address
- Integrate, don't re-create data
- Attention to visualizing data
- Engage the tech community and citizen groups
- Build-up analytic capacity, skills
- Empower employees to be responsive and effective
- Engage citizens in providing important services

*Source: Pinellas County, FL*

# Overcoming Challenges

- Participate in forums to learn, gain ideas, partner
- Create joint projects that benefit multiple towns, organizations
- Support common data standards
- Use new data analysis methods and tools
- Continue to address organization and political barriers

# Alaska Smart Communities Forum

Started in 2016 to bring together government, businesses and non-profits to learn about and discuss data sources, tools, and services to better serve people with information they can use.



**DATA:**  
IDENTIFYING,  
USING, AND  
SHARING DATA



**SERVICES:**  
INTEGRATING,  
ANALYZING AND  
VISUALIZING  
DATA



**EDUCATION:**  
WHAT OTHER  
CITIES AND  
ORGANIZATIONS  
ARE DOING



**PARTNERSHIPS:**  
SHARING  
RESOURCES,  
DATA,  
INVESTMENT

# Forum Goals

- Foster useful, integrated information and services
- Reduce duplicate data and tools
- Enable employees to be more efficient and responsive
- Enable people to...
  - be better informed
  - create value-added services
- Enable communities to create their own Smart Communities

# Alaska Smart Communities Forum

- Quarterly Forums in Anchorage and Mat-Su
- Livestreamed and recorded
- Presentations and notes online
- More than 20 organizations are active participants

- Local Gov't
  - Mat-Su, Anchorage, Denali Boroughs
  - Palmer, Wasilla, Valdez, Juneau
- State Gov't
  - DNR, DCRA, DOT&PF, DOL&WD
  - AEA, Alaska State Troopers
  - Alaska Railroad
- Education
  - Mat-Su, Anchorage School Districts
  - UAA, ISER
- Non-Government
  - Visitors Bureau, Red Cross
- Utilities and Telecom
  - MEA, MTA, ACS, GCI
- Technology and Consulting

- More information in more ways
- Access information across departments
- Share systems, apps, and data across cities, boroughs, state
- Reduce duplicate systems, projects, data
- Visualize data for everyone to better understand their community
- Automate workflow, streamline processes
- Make it easier to pay a fee, buy a permit
- Use mobile devices
- Let people and organizations contribute skills and data...”crowdsourcing”

## What is a Smart Community?

# More Info...



## Alaska Smart Communities Forum

### Sponsors

- [URL](#)
- [Matanuska-Susitna Borough](#)
- [Matanuska Telephone Association](#)
- [ESRI](#)
- [Dell](#)

### Participating Organizations

- [NonURLDescription](#)
- [Alaska Communications](#)
- [Alaska Dept of Labor and Workforce Development](#)
- [Alaska Dept of Natural Resources](#)
- [Alaska Dept of Transportation and Public Facilities](#)
- [Alaska Division of Community and Regional Affairs](#)
- [Alaska Housing Finance Corporation](#)
- [Alaska Railroad Corp](#)
- [Anchorage School District](#)
- [Anchorage Urban Fellows](#)

The Alaska Smart Communities Forum is a program to educate and build cooperation among public and private organizations to better serve citizens with information they can use through partnerships, data exchanges, tools, shared projects and resources. There are four focus areas: Data (identify new data sources, how to use, and share) App Services (integrating, analyzing and visualizing data of interest) Education (what other cities and organizations are doing); and Partnerships (sharing resources/data/investment in projects). The Forum has volunteer Working Groups to lead work in these areas.

### What is a Smart Community?

A Smart Community uses data, tools and partnerships to better serve its citizens with information they can use. Cities, boroughs and businesses collect vast amounts of data to operate and deliver services, often independently. They work to improve systems and processes to operate more efficiently, reduce costs, be more responsive, and enable citizens better access to services and to be more engaged with their community. Meanwhile, citizens demand easier ways to get information, get services, and better understand resources in their communities (e.g. parks, trails, facilities, and healthcare). Smart Communities create solutions that bring together data to help meet these needs.



### Open Data Portal

Open Data is data that is available to the public. Perhaps permits and licenses issued, or coordinates for parks and trailheads, or locations of all healthcare facilities.



### Applications

Anyone with a smart phone knows about apps. Apps help get information and perform tasks. The Matsu has identified several valuable needs that can be solved with an app.



### Partnerships

Cooperation between governments, school districts, local utilities and other organizations foster creative ideas to mutually solve problems, reduce duplicate efforts, and use data already collected.

### Events

URL	Nice Date
<a href="#">Alaska Smart Communities Forum</a>	2019-11-08
<a href="#">Alaska Municipal League</a>	2019-11-20
<a href="#">The Smart City Event</a>	2020-02-11
<a href="#">Alaska Smart Communities Forum</a>	2020-02-25
<a href="#">URL</a>	
<a href="#">Prior Alaska Smart Communities Forum Webcasts</a>	

### Recent News

- [URL](#)
- [Why video intelligence is driving smart city transformation - 10/15/2019](#)
- [Transparency and engagement are key to address resident skepticism about new smart city initiatives - 10/9/2019](#)
- [Open standards: The answer to the smart city data dilemma - 10/3/2019](#)

# Explore Portals and Organizations

- Matsu Open Data
- Matsu eCommerce Online
- Muni Open Data
- Muni Geographic Data & Information Center
- Alaska DNR Open Data
- Alaska Smart Community Forum
- Austin CityUP
- Sunlight Foundation
- Code for America
- Bloomberg Philanthropies
- Alaska Geospatial Council

# Contacts

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Brendan Babb, Anchorage Innovation Team, Municipality of Anchorage

[babbbj@muni.org](mailto:babbbj@muni.org)

Tina Miller, Geographic Data and Information Center, Municipality of Anchorage

[millercs@muni.org](mailto:millercs@muni.org)

A scenic view of a city skyline with snow-capped mountains in the background and a frozen body of water in the foreground. The city buildings are visible in the middle ground, and the mountains are covered in snow. The foreground shows a large body of water with many ice floes.

# Return-in-Investment & How to Make Progress

See our proposal attached for reference.

# Return-on-Investment (ROI)

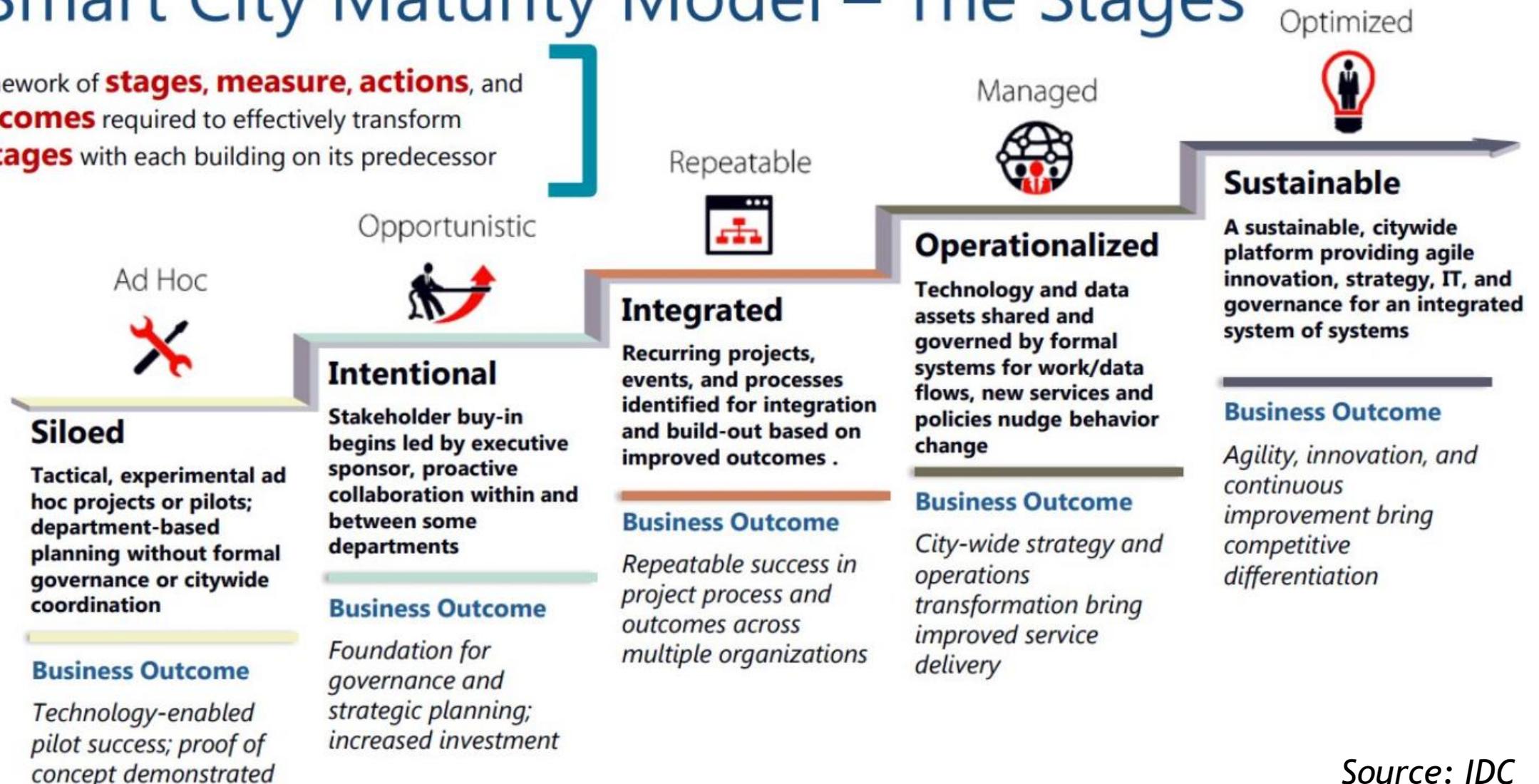
- Towns challenged by unclear ROI and funding
  - Quantitative measures are great but can be difficult: cost, time, labor, revenue, new jobs
  - Qualitative measures are less clear, less tangible: Traffic, crime, service, convenience, easier information
- Regardless, must move forward
  - “Always On”; expect efficient service and less tolerant of service disruption
  - Modernize to attract residents, investment, employers
  - Quantify as much as possible; build or find a model
  - Smart City Maturity (SCM) Model

# Quantify as much as possible

- Time, labor, cost
- Fewer calls, complaints
- Speed of service
- Customer satisfaction
- More cases handled
- Quality of Life
  - Less traffic
  - Less crime
  - Faster drive
  - More reasons to live and work here

# Smart City Maturity Model – The Stages

Framework of **stages, measure, actions**, and **outcomes** required to effectively transform **5 Stages** with each building on its predecessor



Source: IDC

# Beyond ROI

- Expect more partnerships, data sharing, leveraging systems
- What challenges do you have for projects?
  - Technology, tech skills, funding, politics, management?
- Ideas
  - Envision future...better, faster, easier, ...
  - Meeting of executive leaders for understanding, buy-in
  - Meeting of community groups, leaders
  - Communicate w/ stakeholders on their channels
  - Mutual support on systems, transformation, threats
  - Persistence



# Data Rich “Smart” Communities

See our proposal attached for reference.

Alaska Smart Communities Forum  
February 25, 2020