



Better Together: Rhode Island's Collaborative Approach to Statewide Imagery



Today's Speakers



Brianna Zumhof

Eagleview
Partner Strategy Manager — Government
brianna.zumhof@eagleview.com



Garth Hoxie-Quinn

Rhode Island DOA -Division of Statewide Planning
Supervising GIS Specialist
Garth.HoxsieQuinn@doa.ri.gov



Agenda

- ✓ Introductions
- ✓ Eagleview Company Overview
- ✓ Rhode Island's Imagery Program
- ✓ The Story of Success
- ✓ Access & Adoption
- ✓ Imagery Use Cases Across Agencies
- ✓ Looking to the Future
- ✓ Q&A

Eagleview Overview



About Eagleview



**Aerial imagery,
software &
analytics**



**1,000+
employees**



**Headquarters:
Rochester, NY**



**Formerly named
Pictometry**



**Founded in
1998**



Bronze Business Partner



Eagleview: a continued industry leader

- Imagery **covering 94%** of the US Population
- 300+ patents for cameras, sensors, and technology
- Largest civil, fixed-wing fleet
- Certified Photogrammetrists on our projects
- Over 10 billion images in our database
- Capture Top 50+ metros in <3" ortho & oblique annually
- Former government employees on our staff





Rhode Island's Statewide Imagery Program



Rhode Island's Imagery Program: By The Numbers



**1,285 sq mi
coverage**



**2x annual
captures**



**2- & 3-inch
GSD**



48 agencies



**8 years of
historic imagery**



**215 active users
(and growing!)**



Imagery Access



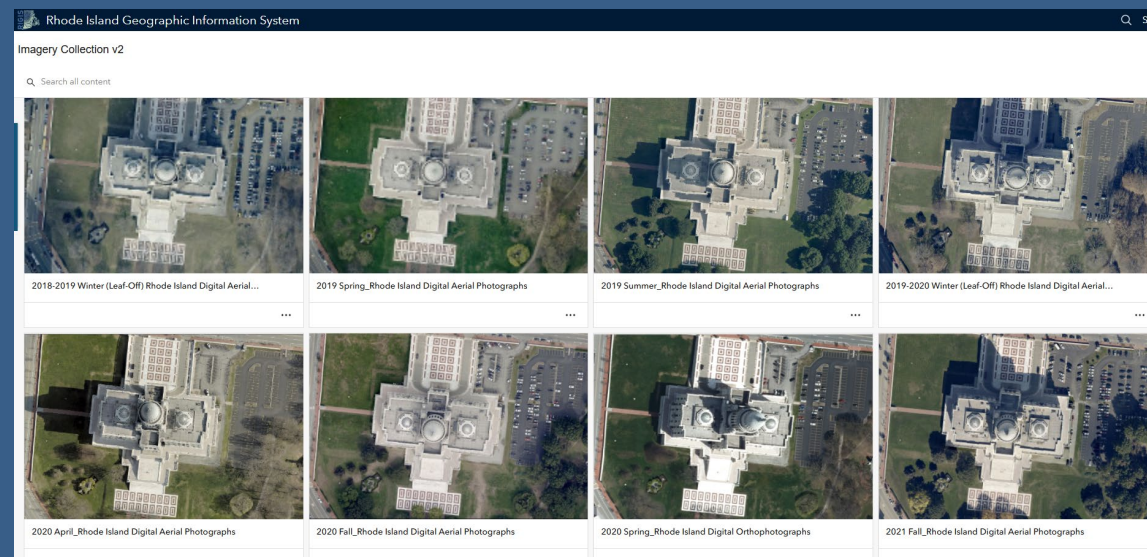
CONNECTExplorer Cloud-based Viewer



API Integrations



Eagleview Hosted Orthomosaic Image Service



Public Imagery Collection on RIGIS Geospatial Data Hub



Funding Partners



Spearheaded by
RIDOT & RIE911



Goal is to create a “Common Operating Picture”



Unlimited access to all state
agencies and municipalities

The Story of Success



The Program's Evolution

Pre-2018

- Multiple contracts
- Overlapping coverage
- Redundancy
- Excess spending
- Inefficiencies

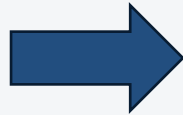




The Program's Evolution

Pre-2018

- Multiple contracts
- Overlapping coverage
- Redundancy
- Excess spending
- Inefficiencies



2018

- RIDOT recognized the need for a coordinated effort and began discussions with E911
- Collaborative approach, consolidated into a unified program via Joint Funding Agreement
- Included all state and municipal agencies
- Initially 3 flights per year: Spring, Summer, and Fall

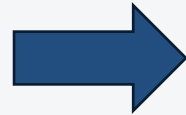




The Program's Evolution

Pre-2018

- Multiple contracts
- Overlapping coverage
- Redundancy
- Excess spending
- Inefficiencies



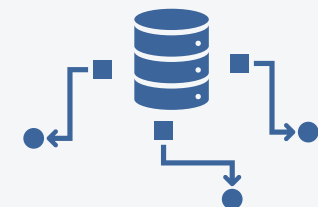
2018

- RIDOT recognized the need for a coordinated effort and began discussions with E911
- Collaborative approach, consolidated into a unified program via Joint Funding Agreement
- Included all state and municipal agencies
- Initially 3 flights per year: Spring, Summer, and Fall



To Today

- Iterative process: recognized they only needed 2 flights per year
- Concerted outreach to increase usage state-wide starting in 2026
- Unified, authoritative source of imagery
- Seen as an investment that can keep growing





PROGRAM MECHANICS

Coordinate Calendars Before Optimizing The Contract

1

MAP IT OUT

Funding cycles
Procurement windows
Capture requirements

2

ALIGN ON GOALS

Shared priorities
Decision points
Agency contributions

3

COMMIT TO INVESTMENT

Contract path
Flight schedule
Access plan



The first shared deliverable may be a calendar, not a specification.



Driving Adoption Across the State

RIDOT expanded outreach this year to help agencies and municipalities put statewide imagery to work.



Expand Access

Set up state entities and municipalities with access to imagery, tools, and available resources.



Build Capability

Provide training and help organizations integrate imagery into their existing workflows for more efficient remote decision making.

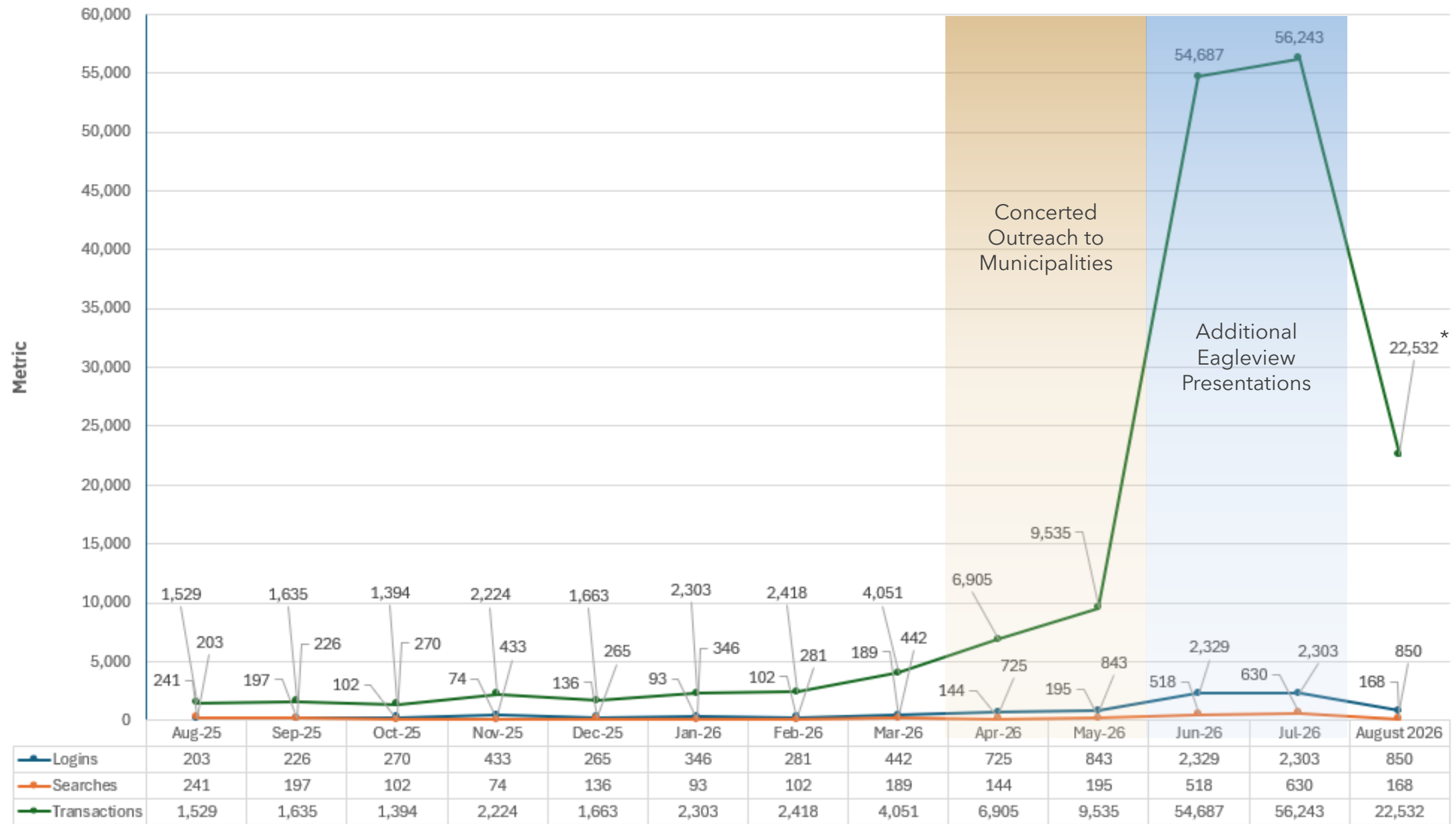


Drive Adoption

Increase usage by demonstrating the value of a unified “Common Operating Picture” and its role in cross-agency collaboration.



Rhode Island Imagery Usage





The Impact: Usage Trend YTD



Transactions

From 1,529 to 56,243

+3,578% increase



Logins

From 203 to 2,303

+1,035% increase



Searches

From 241 to 630

+161% increase

Purposeful outreach and advocacy has continued imagery usage growth

- Trainings
- Lunch n' Learns
- User Group Meetings
- Direct onboarding
- Communication
- Resource Dispersal
- Utilizing Eagleview regional team & resources



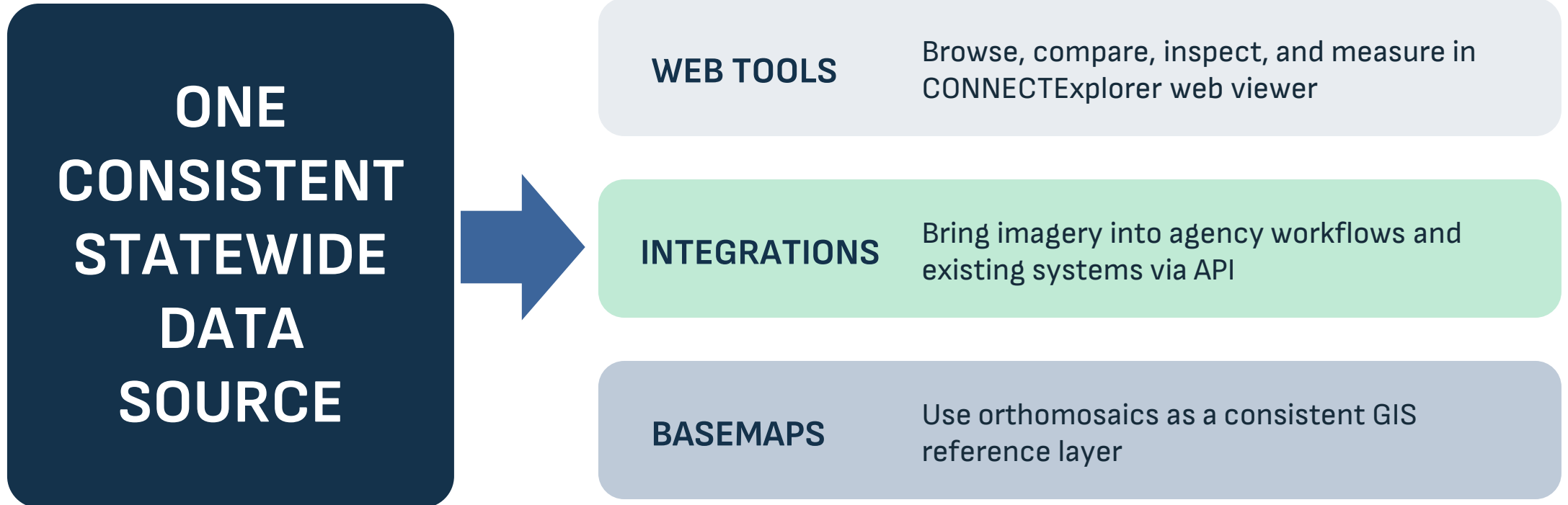
WHY IT WORKED

Rhode Island's Decisive Advantage Was Coordination

- | | | | |
|---|---------------------------|---|---|
| 1 | A CHAMPION | Someone organizes the program, sells the value, and follows through. | Steve Kut from RIDOT and Director Martins of E911 were the advocates to move the program forward. |
| 2 | A FORUM | Stakeholders need a dependable place to compare needs, calendars, and constraints. | Conversation converted separate agency interests into a shared plan. |
| 3 | AN ADOPTION ENGINE | Training, demos, and use cases turned imagery into an everyday value-add for multiple agencies. | Buy-in from agencies and utilization of available resources helped spread the word. |

Access & Adoption

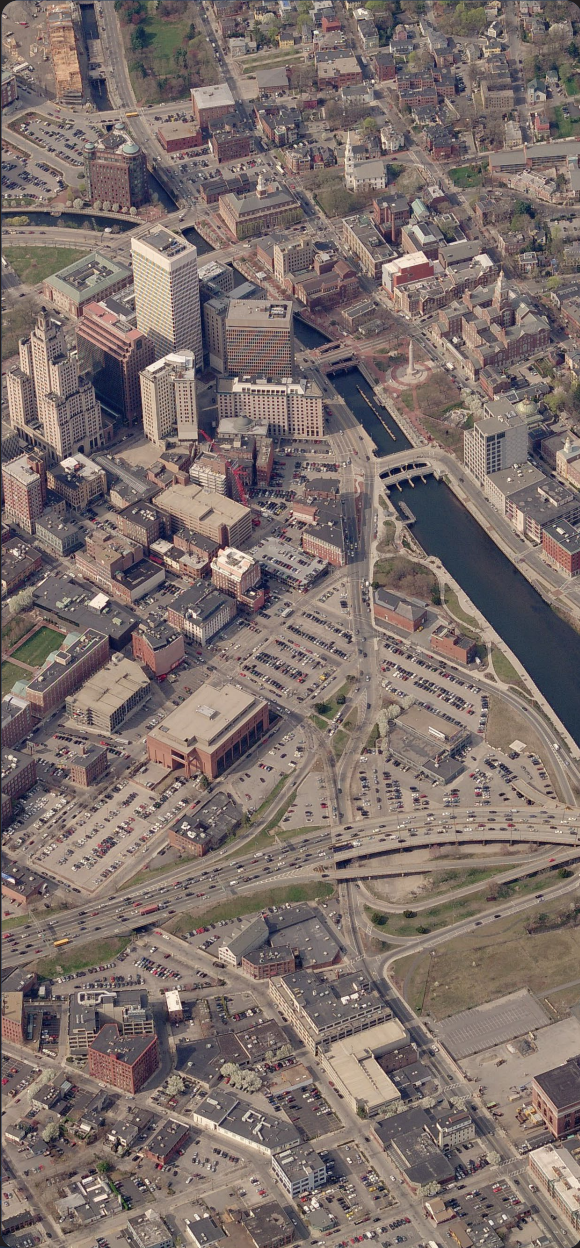
One Source, Many Points Of Access





Access Does Not Automatically Create Adoption

- A champion keeps the program visible and moving
- Agency-by-agency outreach uncovers practical uses
- Shared demos and training lower the barrier to entry
- Vendors can support advocacy with examples and enablement
- Usage grew as people invested in spreading the word



Improve Day-To-Day Decisions

- Monitor active projects for environmental and stormwater requirements
- Give project teams a current, shared operating picture
- Support constituent service responses
- Improve coordination across internal teams
- Help the Transportation Management Center manage incidents
- Reduce unnecessary field checks when imagery can answer the first question

Use Cases in Transportation Infrastructure Management



RIDOT EXAMPLE 1

Imagery Powers Rhode Island's Statewide Mowing Program



Mapping Every Maintainable Area

Imagery supports detailed mowing polygons for all RIDOT maintained transportation corridors.



RIDOT EXAMPLE 1

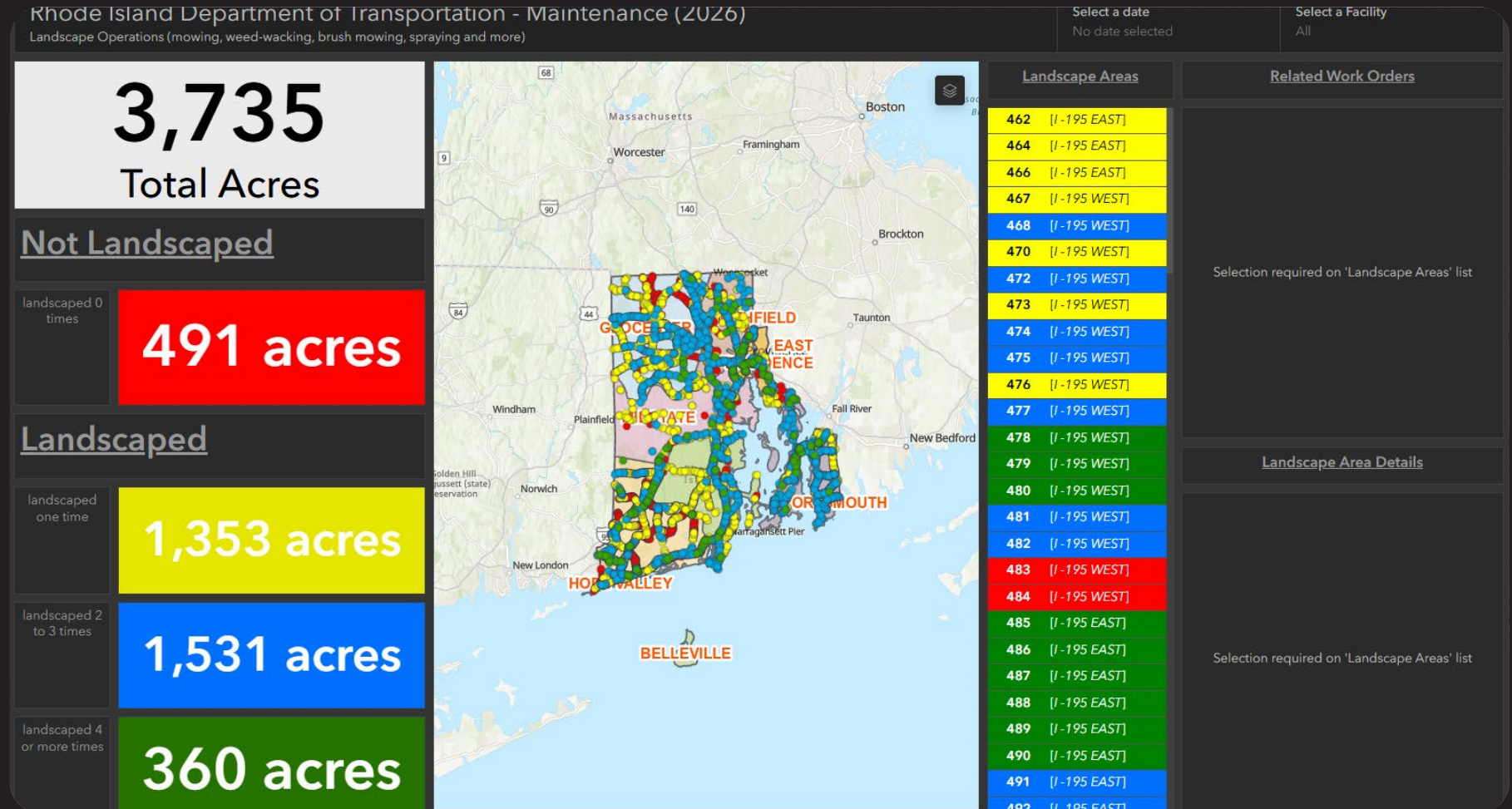
Put the Inventory Into Action

3,735 Acres Maintained

A statewide dashboard quantifies RIDOT's total mowing responsibility

Maintenance At A Glance

Every mapped polygon becomes an actionable maintenance record.





RIDOT EXAMPLE 2

Current Imagery Keeps Project Limits Aligned to Reality



Verify Current Conditions

Current imagery provides a visual reference for validating roadway changes and project boundaries.



RIDOT EXAMPLE 2

Track Projects Statewide: RHODERESTORE Program



Connect Road Segments With Project Status



Consistent Project Tracking

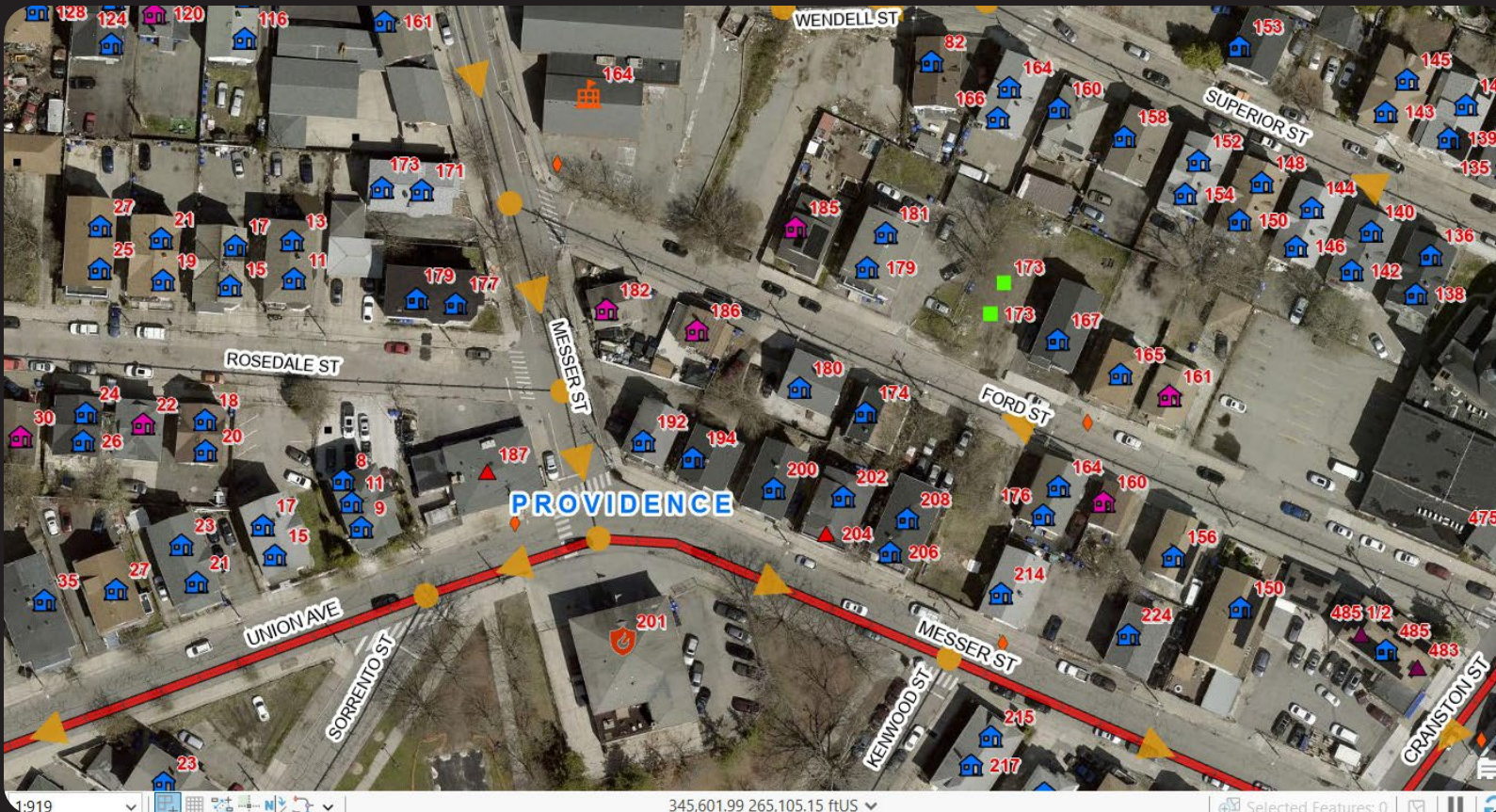
Mapped limits provide a consistent geographic record for every participating road project.

Use Cases in Public Safety



E911 EXAMPLE 1

Imagery helps E911 locate active development

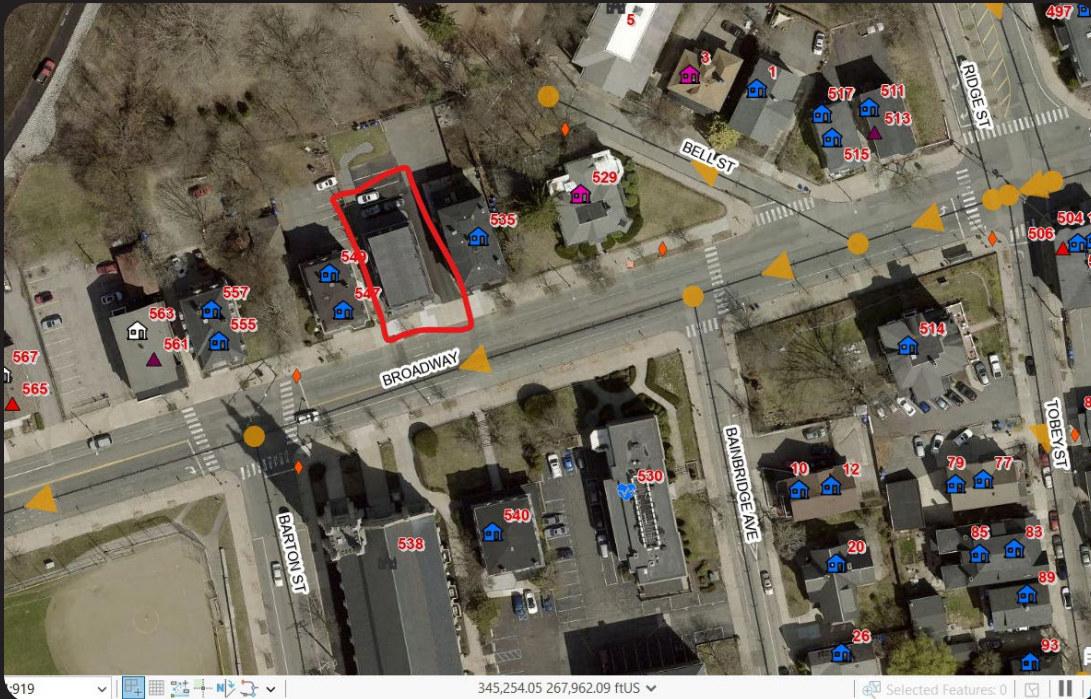


Green square address points help identify development lots and focus follow-up work.



E911 EXAMPLE 2

Ortho and oblique views answer different questions



ORTHO: Is a building missing?

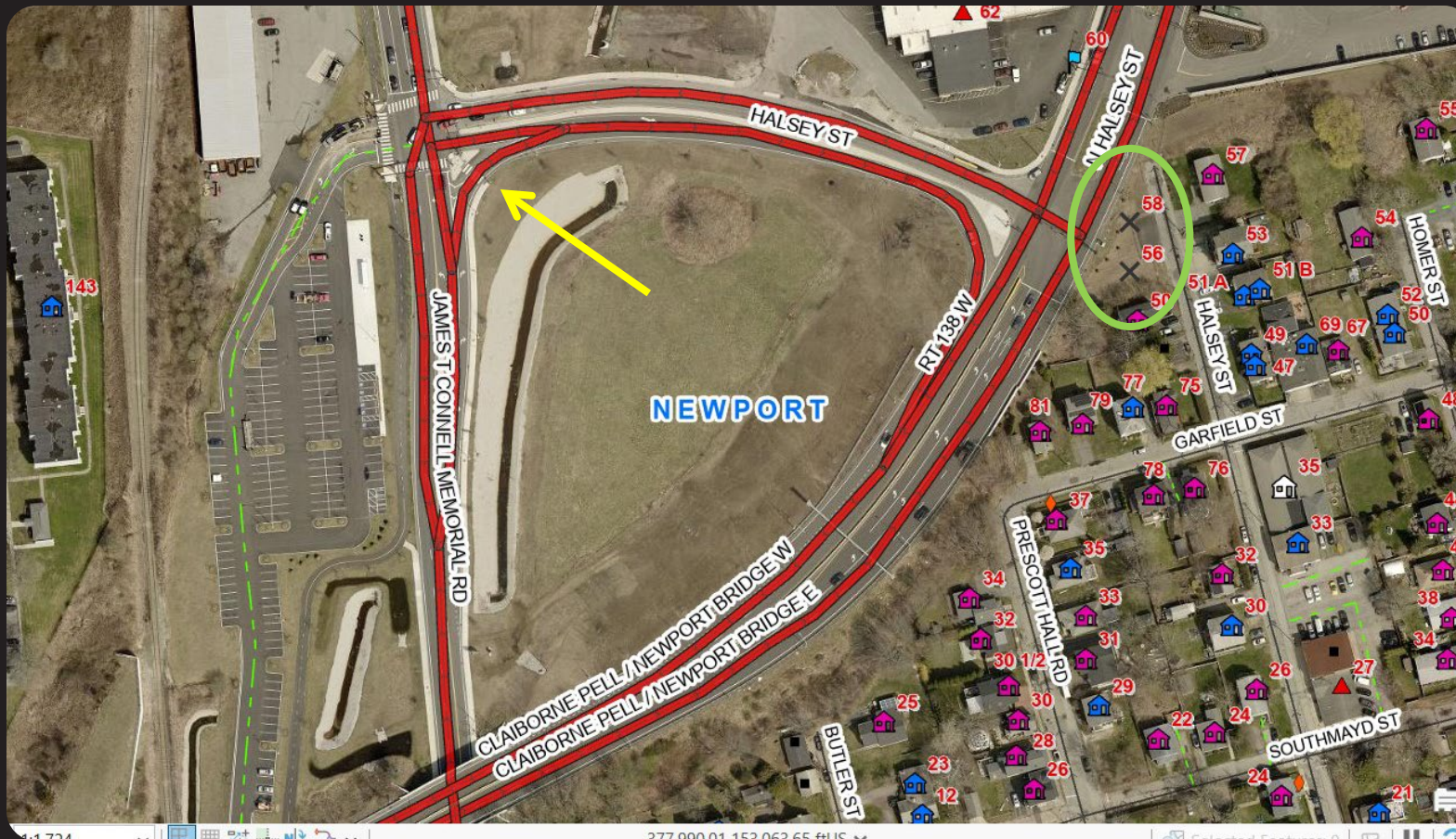


OBLIQUE: What does it look like?

Together, the views support discovery plus a useful description:
floors, color, and distinguishing features.



Imagery reveals transportation network changes



ALIGN

Update road and intersection lines to match visible conditions.

RETIRE

Recognize demolished buildings and mark former addresses abandoned or retired.



E911 EXAMPLE 4

Wide views find the area; close views find the asset



Coordinates narrow the search



Imagery places the GIS point precisely

Result: a more accurate inventory of DOT highway cameras.

Looking to the Future



What's Next: Broaden Use, Improve Quality, Innovate

BROADEN

Reach more subdepartments and municipal workflows

IMPROVE

Evaluate certified 3-inch and, eventually, 1-inch products

INTEGRATE

Connect imagery more deeply with agency systems and basemaps

EVALUATE

Use AI or derived layers where a defined operational need justifies them



WRAP UP

Key Takeaways

Rhode Island's success is as much about the program model as the imagery itself.

1 Coordinate first

Align agencies around needs, funding cycles, procurement windows, and priorities before optimizing the contract.

2 Create one shared source

A consistent statewide imagery foundation can support many daily decisions across transportation, public safety, GIS, and public works.

3 Drive adoption

Access does not create usage on its own. Champions, outreach, training, resource utilization, and support turn imagery into an everyday resource.

4 Build to evolve

Start with the operational need, then improve, integrate, and expand as agency priorities change.

The technology matters, but the collaboration is what makes the program work.

Thank you!



Brianna Zumhof

brianna.zumhof@eagleview.com

Garth Hoxie-Quinn

Garth.HoxsieQuinn@doa.ri.gov

