



**PIMA COUNTY**

TRANSPORTATION

# State of the Streets

January 18, 2024

Kathryn Skinner, P.E.



The Pima County Transportation Department uses advanced technologies, data, and the hard work of 191 employees to manage nearly 2,200 miles of roadways, bicycle and pedestrian facilities, transit services and infrastructure.

**Kathryn Skinner P.E.**  
Director (1038)  
Unit 2850 Grade 21

**Lauren Ortega, P.E.**  
Deputy Director (1050)  
Unit 2850 Grade 20 U

**Joseph Godoy**  
Deputy Director (1050)  
Unit 2850 Grade 20 U

**Paul Casertano**  
Deputy Director (1050)  
Unit 2850 Grade 20 U

**SUPPORT SERVICES**  
ANNABELLE VALENZUELA  
Division Manager (1136)  
Unit 2857 Grade 18 U

**COMMUNITY RELATIONS**  
Media, Outreach, Public Meetings, Social Media, Web

**CUSTOMER INTERFACE**  
SeeClickFix  
Customer inquiries

**POLICY COORDINATION**  
IGA's, Ordinances, Tort, SOP's, Legal Advertising

**ADMINISTRATIVE SUPPORT**  
Budget, Procurement, Assets

**HUMAN RESOURCES SUPPORT**  
Department Personnel and Benefits Representatives

**PLANNING & ENGINEERING**  
JANA POTVIN  
Division Manager (1136)  
Unit 2849 Grade 18 U

**TRAFFIC SAFETY**  
Traffic Safety Studies, Network Screening/Safety Analysis, Low-Cost Safety Improvements, NTMP, Before And After Studies, TIA Review

**PLANNING**  
Short And Long Range Planning, Travel Forecasting, CIP(development And Funding), Development Coordination (zoning, Access Management, DIFs, DA/TFP), Street Standards

**MOBILITY, INNOVATION AND TECHNOLOGY**  
GABRIEL LEYVA  
Division Manager (1136)  
Unit 2848 Grade 18 U

**ANALYTICS**  
Data Analysis, Automation, Process Efficiency, System Support

**GIS**  
Geospatial Analysis, Layer Maintenance, Applications, Customer Support

**ROW MANAGEMENT**  
Annexations, Abandonments, Establishments, Encroachments,& Research

**MAINTENANCE OPERATIONS**  
MATT SIERRAS  
Division Manager (1136)  
Unit 2851 Grade 18 U

**PAVEMENT/ STRUCTURES/ DRAINAGE**  
Pothole Patching, Crack Sealing

**VEGETATION MANAGEMENT EARTH WORK**  
Roadway Grading And Shoulder Repair

**MAINTENANCE SUPPORT**  
Roadway Drainage, Structures, Sidewalks

**CONTRACTS**  
Landscape Preservation and Sweeping

**SIGNALS, INTEL & LIGHTING**

**WAREHOUSE AND FABRICATION**  
Unit 2859

**CONSTRUCTION MONITORING**  
MICHELLE MONTAGNINO, P.E.  
Division Manager (1136)  
Unit 2854 Grade 18 U

**SURVEY**  
Land Survey And Geodetic Management

**CONSTRUCTION MANAGEMENT**  
Coordination of Construction, Inspection, and Material QA

**QC PROGRAM**

**PAVEMENT MANAGEMENT**  
Road Repair Contracts

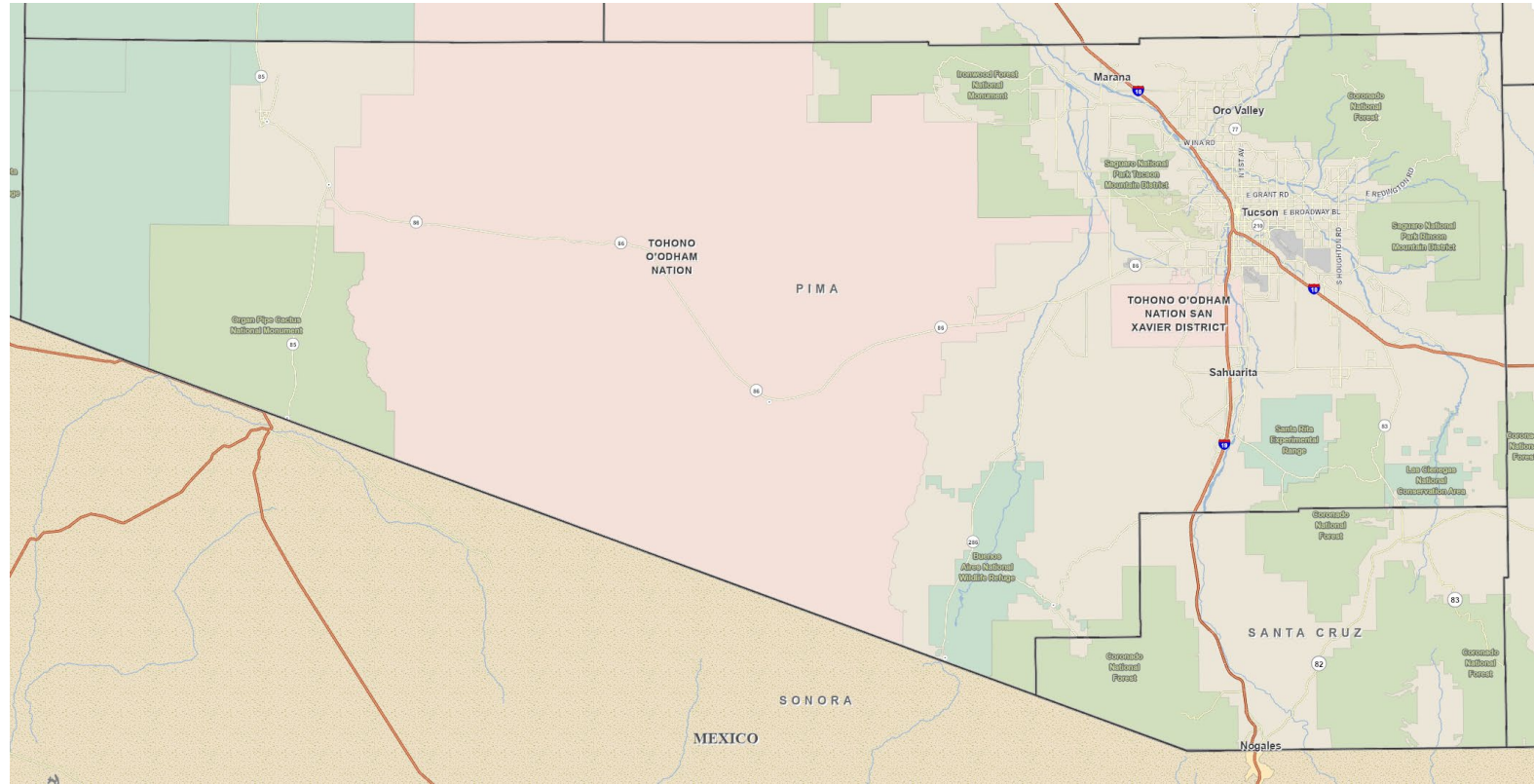
**PERMIT SITE INSPECTION**  
Unit 2855

Special Events



Click here to report a problem.

[www.pima.gov/transportation](http://www.pima.gov/transportation)  
(520)724-6410



191 Positions (168 filled)  
\$65.8M FY24 DOT Budget  
\$23.7M FY24 CIP Budget  
77 Network PCI

1947.74 Miles Paved Roads  
282.16 Miles Unpaved Roads  
105 Signalized Intersections  
75 Bridges

Scan to download



Report an issue on  
SeeClickFix



# SeeClickFix

- 5157 Completed SeeClickFix Requests
- 1515 Completed Pothole Patching Requests
- 858 Completed Sign Maintenance Requests
- 581 Completed Vegetation Management Requests
- 565 Completed Trash Removal Requests



# 2023 Work Completed

- 2727 miles Street Sweeping
- 1470 miles Dirt Road Grading
- 658 miles Shoulder Repair
- 324 Storm Responses
- 208 Snow/Ice Responses
- 94 Drainage Maintenance
- 90 Sidewalk/Curb Repairs
- 16 Cattleguard Maintenance
- 3 Fence Maintenance
- 13 Bridge Maintenance
- 411 Analytics Studies
- 57 Crash Analysis
- 22 Signing Studies





# Pavement Program

Fiscal Year	Curb Ramps	Local Miles	Arterial & Collector Miles
19/20	203	75	58
20/21	764	151	56
21/22	796	186	137
22/23	437	95	86
23/24	80	7	27
Total	2280	514	374

- Adopted Guiding Principles for Pavement Program
- Updated Pavement Condition Index used for FY24 Roadway List
- Funded by PAYGO and DOT HURF Funds
- FY24/25 program planned at \$24.1 Million

# Capital Improvement Program

Program Code	Program Name	Estimated Prior Year	Fiscal Year 2024/2025	Fiscal Year 2025/2026	Fiscal Year 2026/2027	Fiscal Year 2027/2028	Fiscal Year 2028/2029	Program Total
4AJOAO	Ajo Airport Runway and Taxi Asphalt Overlay	300,000	2,185,372	-	-	-	-	2,485,372
4AJOWB	Ajo Wash Telera Street Bridge	102,707	178,293	604,027	100,000	56,330	-	1,041,357
4BUSTX	Bus Stop Improvement 2 Program	438,000	225,000	-	-	-	-	663,000
4FLASH	Romero Rd and Ruthrauff Rd Flashing Yellow Arrows	110,000	90,000	506,880	-	-	-	706,880
4HRSTV	Houghton Rd I-10 to Golf Links Rd RTA 32 (portion of)	25,314,113	4,162,206	-	1173691	-	-	30,650,010
4KINOP	22nd St I-10 to Tucson Blvd Improvements	9,000,000	1,000,000	-	-	-	-	10,000,000
4MADBR	Madera Canyon - Medium Wash Bridge	76,000	526,000	1,608,750	2,419,250	-	-	4,630,000
4MADFL	Madera Canyon - Florida Canyon Wash Bridge	76,000	709,000	2,911,000	4,374,000	-	-	8,070,000
4MSSRD	Mission Rd Overpass @ ASARCO Mine Haul	373,702	354,000	22,299	-	-	-	750,001
4PVRSW	Palo Verde Road Sidewalks	50,000	375,925	2,526,433	38,475	-	-	2,990,833
4RTFIR	1st Ave Orange Grove Rd to Ina Rd RTA13	-	-	-	1,510,000	9,984,000	-	11,494,000
4SAHWI	Sahuarita Rd & Wilmot Rd Intersection Improvements	3,059,059	2,000	-	-	-	-	3,061,059
4SCIFP	Santa Cruz Impact Fee Benefit Area Project [Campbell Extension]	100,000	531,000	2,863,834	915,000	-	-	4,409,834
4SCPRD	Sabino Canyon Park Road	55,000	445,000	-	-	-	-	500,000
4SHRWD	South Houghton Road Widening	35,081,491	84,261	-	-	-	-	35,165,752
4SRBWB	Silverbell Rd Blanco Wash Bridge	3,555,422	1,144,192	70,386	-	-	-	4,770,000
4SRCOT	Silverbell Road: Ina Rd to Grant Rd	-	-	-	-	-	6,400,000	6,400,000
4SRRIV	Sunset Rd: I-10 to River Rd	27,798,285	396,024	400,313	1,929,605	-	-	30,524,227
4SUNEW	Sunrise Drive at Esperero Wash	250,000	3,050,576	41,408	-	-	-	3,341,984
4TRSP2	Sign Inventory and Panel Replacement Phase II	429,961	150,000	71,928	-	-	-	651,889
4VALMR	Valencia Road: Mission Road to Camino De La Tierra	973,282	3,295,000	15,618,718	10,463,000	2,650,000	-	33,000,000
4VRCOT	Valencia Road: Kolb to Houghton	500,000	2,000,000	1,500,000	-	-	-	4,000,000
<b>Total Planned Expenses</b>			<b>20,903,849</b>	<b>28,745,976</b>	<b>22,923,021</b>	<b>12,690,330</b>	<b>6,400,000</b>	

DRAFT



# Planning for the Future

- Southwest Area Mobility Study
- Comprehensive Plan Update
- Pima County Transportation Master Plan
- Update of Impact Fee Project List
- Safe Streets for All Safety Action Plan
- Updates to Roadway Design Manual and Subdivision Development Street Standards





# UAS Applications and Capabilities for Right-of-Way Management



## Objective:

To capture and provide aerial imagery of infrastructure and roadway projects for Pima County DOT with higher resolution, lower costs, and faster acquisition times

## List of UAS Applications

### Project Management

- Lower Costs
- Timeliness
- More Oversight

### Inspections

- Routine Maintenance
- Road Damage
- Equipment Condition

### Data Gathering

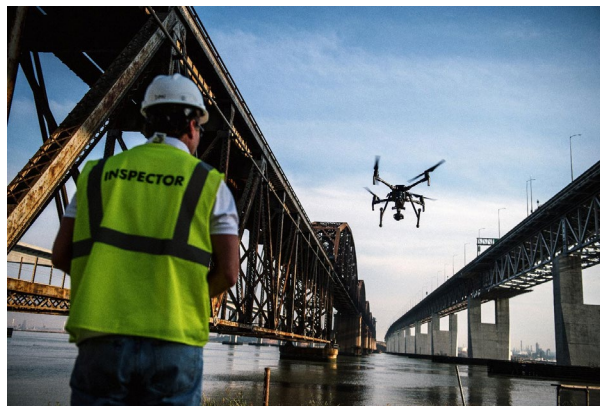
- Land Surveying
- Asset Inventory
- Asset Management

### Tracking and Monitoring

- Construction Projects
- Road Congestion
- Flood Control

Imagery	Resolution	Frequency
Pictometry	7 – 15 cm	Every 2 years
Drone	1 cm	As Needed

## Safe Inspections for Uncertain Areas



Flood Control Flight of Santa Cruz River



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## Asset Inventory and Management

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Sahuarita Road Construction Plan 2021



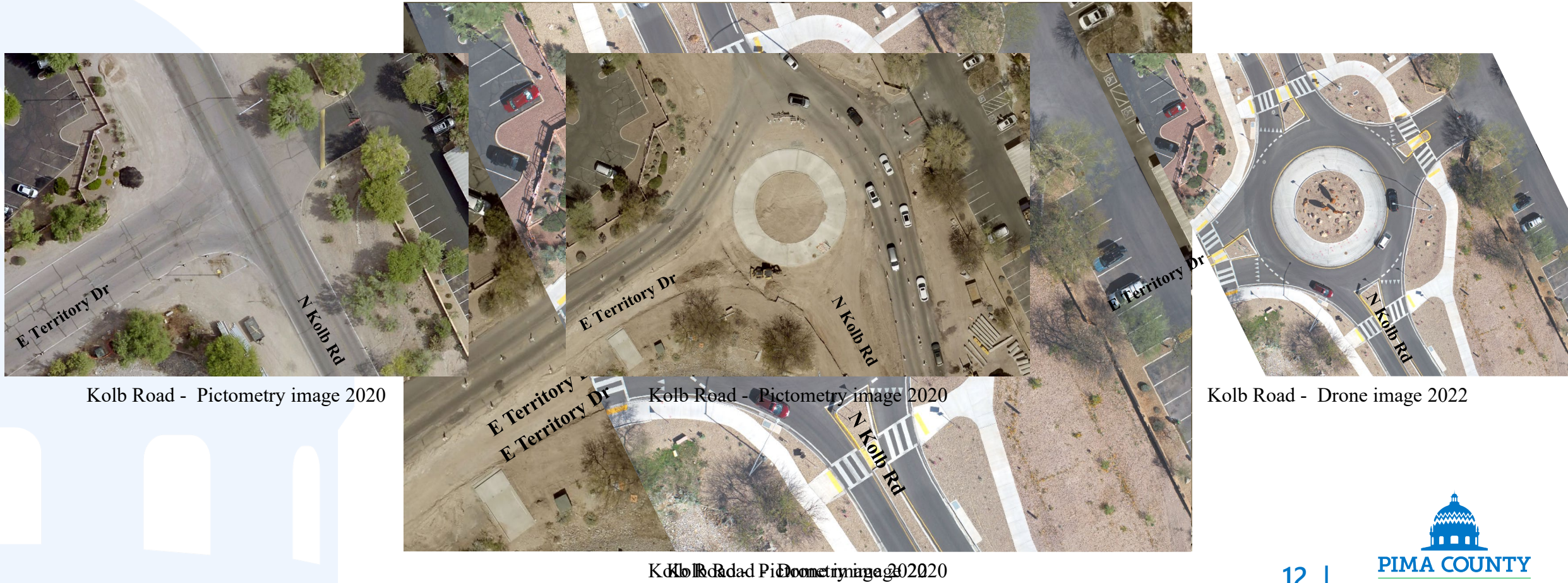
- Drone image 2023



# UAS Applications and Capabilities for Right-of-Way Management



## Construction Project Tracking and Monitoring

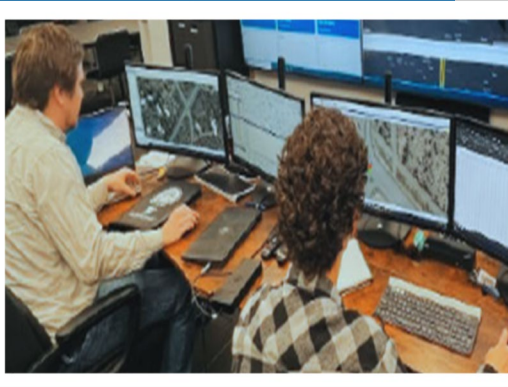
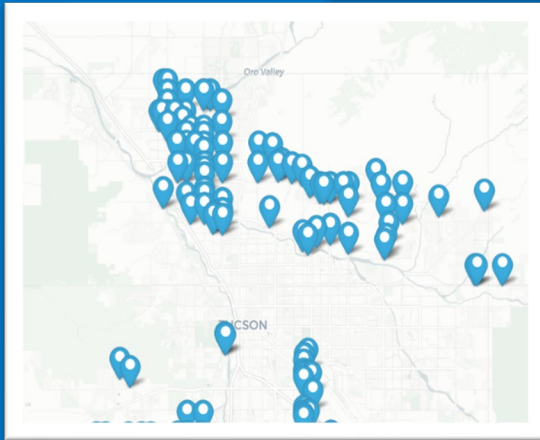


Kolb Road - Pictometry image 2020

Kolb Road - Pictometry image 2020

Kolb Road - Drone image 2022

Kolb Road Pictometry image 2020



# Center for Applied Transportation Sciences

## ONGOING ACTIVITIES

- Data Management
- Research and Training
- Interagency Collaboration
- Expert Seminars and Workshops

## PROJECTS

- Identification of Traffic Signs through Machine Learning – Ongoing
- Pilot of Traffic Signal Retiming Software Tool – Begins February 2024



**PIMA COUNTY**

TRANSPORTATION

# Join Our Team!



We A.R.E. Pima County  
Accountable, Respectful, Ethical