

MCDOT's Asset Management Realignment

Kurt Sharp, Assets and Special Projects Branch Manager
Maricopa County Department of Transportation



MCDOT's Realignment

**“Change is always
the perfect time for
reflection.”**



MCDOT's Realignment

The Assets and Special Project Branch was created to collect and manage data to help drive our decisions for the future regarding how we can best maintain and operate our roadways.



Assets & Special Projects Branch

GOAL



01

Provide customers with a first-class experience

02

Use Real-Time Data-Driven Decision Making

03

Develop Asset Management Strategies

04

Modernize our PMP

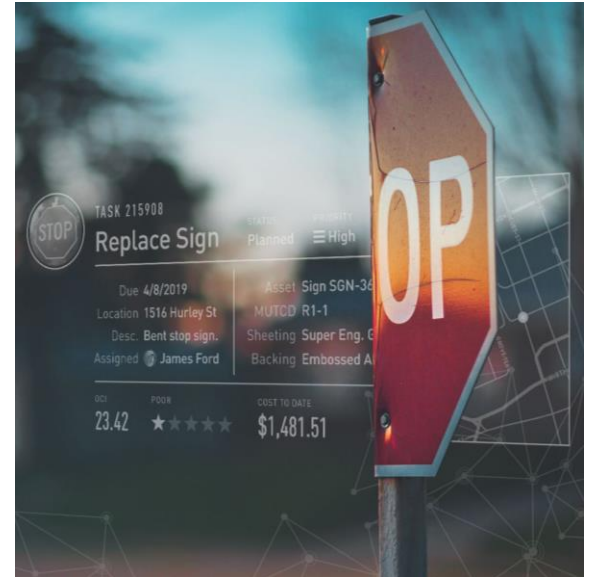


Pavement Management Program

Photograph courtesy of Joshua Selvey

Challenges: PMP – AMP Transition

Essential to coordinate agency management strategy including proactive maintenance



Challenges: Multi-Criteria Management

Current:

- ❖ Overall Condition Index (OCI)
- ❖ Pavement Condition Index (PCI)
- ❖ International Roughness Index (IRI)
- ❖ Ruth Depth Index (RDI)

Future:

- ❖ Structural Condition Index (SCI)
- ❖ Cracking Index (CI)
- ❖ Traffic Volume Index (TVI)



Challenges: Multi-Level Management

Improving Synergy within:

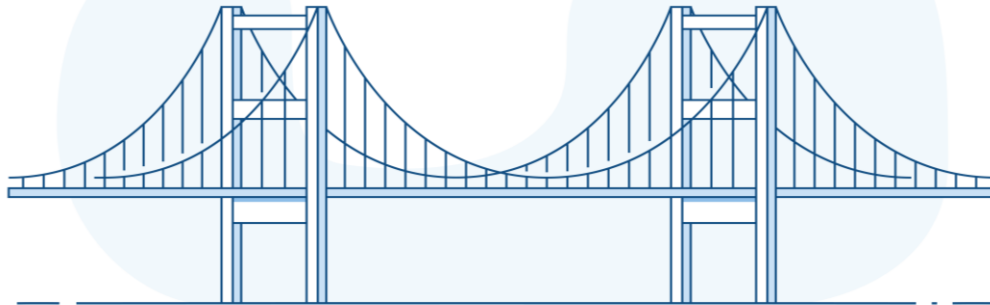


Challenges: Multi-Sector Management

Building the Bridge

Innovation  Implementation

Academia  Public Sector  Private Sector



Achievements: Pavement Inspections

- ❖ ASTM D6433 Training
- ❖ Inertial Profiler Training
- ❖ 100% Paved Network



Achievements: Database Management

Robust and reliable data

- ❖ Pavement Condition
- ❖ Roughness and Rutting
- ❖ ROW Pictures
- ❖ Maintenance History



Achievements: QC/QA Plan

Consistency and Repeatability

- ❖ Inertial Profiler
- ❖ Pavement Inspections
- ❖ Data entry process



Achievements: Project Planning

Preservation Plan

- ❖ FY23 + Test Locations
- ❖ Multi-year FY24-FY28
(in progress)





Future Projects & Notify MCDOT

Photograph courtesy of Joshua Selvey

Meeker Blvd and Granite Valley Dr Improvements



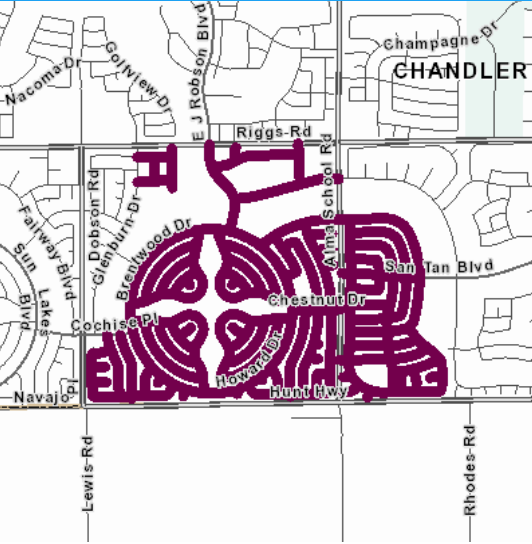
Roadway Paving
Phase: Design

Scoping Schedule:
Summer 2019

TT0602

Phase	FY23	FY24	FY25	FY26	FY27	FY FY23 to FY27 Total
Scoping	-	-	-	-	-	-
Design	5,000	5,000	-	-	-	-
Construction	2,007,000	1,455,000	552,000	-	-	-
Project Total	2,012,000	1,460,000	552,000	-	-	-

Sun Lakes Pavement Rehabilitation Units 11-22



TT0623

Roadway Improvements Phase: Design

Design Schedule:
Spring 2019

Phase	FY23	FY24	FY25	FY26	FY27	FY FY23 to FY27 Total
Scoping	-	-	-	-	-	-
Design	10,000	5,000	5,000	-	-	-
Construction	9,885,000	4,550,000	5,335,000	-	-	-
Project Total	9,895,000	4,555,000	5,340,000	-	-	-

Eagle Eye Road at Tiger Wash



Drainage Improvement
Phase: Design

Construction Schedule:
Spring 2023

TT0412

Phase	FY23	FY24	FY25	FY26	FY27	FY FY23 to FY27 Total
Scoping	-	-	-	-	-	-
Design	27,000	27,000	-	-	-	-
Construction	13,431,000	625,000	6,580,000	6,226,000	-	-
Project Total	13,458,000	652,000	6,580,000	6,226,000	-	-

University Drive Pedestrian & Cyclist Improvements



Roadway Improvements Phase: Design

Construction Schedule: Fall 2023

Phase	FY23	FY24	FY25	FY26	FY27	FY FY23 to FY27 Total
Scoping	-	-	-	-	-	-
Design	20,000	20,000	-	-	-	-
Construction	3,311,000	-	3,311,000	-	-	-
Project Total	3,331,000	20,000	3,311,000	-	-	-

TT0612

Sun Valley Parkway Restoration Phase 5

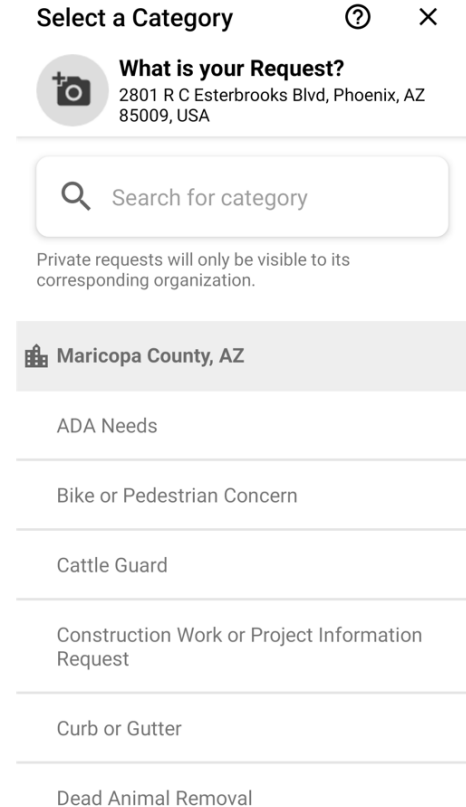
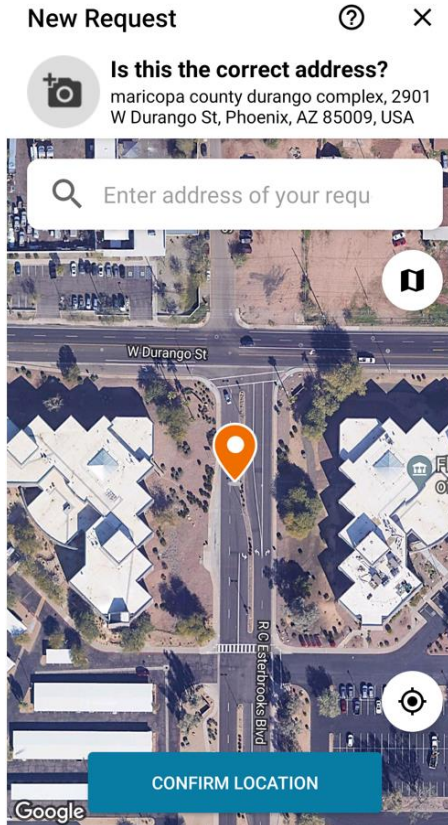
TT0612

Roadway Maintenance
Phase: Design

Construction Schedule:
Spring 2023

Phase	FY23	FY24	FY25	FY26	FY27	FY FY23 to FY27 Total
Scoping	-	-	-	-	-	-
Design	5,000	5,000	-	-	-	-
Construction	-	-	-	-	-	-
Project Total	5,000	5,000	-	-	-	-

Notify MCDOT (SeeClickFix) – Mobile App





Thank You

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