



BOARD OF SUPERVISORS AGENDA ITEM REPORT AWARDS / CONTRACTS / GRANTS

☐ Award ☒ Contract ☐ Grant

Requested Board Meeting Date: 07/15/2025

* = Mandatory, information must be provided

or Procurement Director Award: ☐

***Contractor/Vendor Name/Grantor (DBA):**

Roadway Asset Services, LLC

***Project Title/Description:**

Pavement Management Software

***Purpose:**

Amendment of Award: Supplier Contract No. SC2400001843, Amendment No. 01. This Amendment revises the Scope of Services to include additional pavement & asset management services, is for a one-time increase in the amount of \$315,000.00 and an increase to the annual award amount of \$235,000.00 from \$90,000.00 to \$325,000.00 for a cumulative not-to-exceed contract amount of \$640,000.00, and adds the Heat Injury and Illness Prevention and Safety Plan language to the contract, pursuant to Pima County Procurement Code 11.40.030. The additional services are currently provided to County by the vendor through an expiring third-party contract. This amendment will permit vendor to continue providing these services directly to County under this contract. Administering Department: Information Technology, on behalf of Transportation.

***Procurement Method:**

Pursuant to Pima County Procurement Code 11.24.010, Cooperative procurement authorized, on 06/10/2024 the Procurement Director approved an award of contract for an initial term of two (2) years and an annual award amount of \$90,000.00 with annual renewal options.

PRCUID: 521803

Attachment: Contract Amendment No. 01.

***Program Goals/Predicted Outcomes:**

The software will provide the Pavement Repair and Preservation Program with enhanced analytics which will give deliver better decision-making tools and flexibility. The software integration and mapping functionality will streamline the roadway selection and project packaging process.

***Public Benefit:**

More efficient use of public funding for the Pavement Repair and Preservation Program.

***Metrics Available to Measure Performance:**

Improved pavement management of the county-maintained roadways.

***Retroactive:**

No.

TO: COB 06/27/2025

PGS: 6

THE APPLICABLE SECTION(S) BELOW MUST BE COMPLETED

Click or tap the boxes to enter text. If not applicable, indicate "N/A". Make sure to complete mandatory (*) fields

Contract / Award Information

Document Type: _____ Department Code: _____ Contract Number (i.e., 15-123): _____
Commencement Date: _____ Termination Date: _____ Prior Contract Number (Synergen/CMS): _____
☐ Expense Amount \$ _____ * ☐ Revenue Amount: \$ _____

***Funding Source(s) required:** _____

Funding from General Fund? ☒ Yes ☐ No If Yes \$ _____ % _____

Contract is fully or partially funded with Federal Funds? ☐ Yes ☐ No

If Yes, is the Contract to a vendor or subrecipient? _____

Were insurance or indemnity clauses modified? ☐ Yes ☐ No

If Yes, attach Risk's approval.

Vendor is using a Social Security Number? ☐ Yes ☐ No

If Yes, attach the required form per Administrative Procedure 22-10.

Amendment / Revised Award Information

Document Type: SC Department Code: PO Contract Number (i.e., 15-123): SC2400001843

Amendment No.: 01

AMS Version No.: N/A

Commencement Date: 07/15/25

New Termination Date: N/A

Prior Contract No. (Synergen/CMS): MA-PO-24-189

☒ Expense ☐ Revenue ☒ Increase ☐ Decrease

Amount This Amendment: \$ 550,000.00

Is there revenue included? ☐ Yes ☒ No If Yes \$ N/A

***Funding Source(s) required: Arizona Highway User Revenue Funds (HURF)**

Funding from General Fund? ☐ Yes ☒ No If Yes \$ N/A % N/A

Grant/Amendment Information (for grants acceptance and awards)

☒ Award ☐ Amendment

Document Type: _____ Department Code: _____ Grant Number (i.e., 15-123): _____

Commencement Date: _____ Termination Date: _____ Amendment Number: _____

☐ Match Amount: \$ _____ ☐ Revenue Amount: \$ _____

***All Funding Source(s) required:** _____

*Match funding from General Fund? ☐ Yes ☐ No If Yes \$ _____ % _____

*Match funding from other sources? ☐ Yes ☐ No If Yes \$ _____ % _____

*Funding Source: _____

*If Federal funds are received, is funding coming directly from the Federal government or passed through other organization(s)?

Contact: Procurement Officer, Troy McMaster

Digitally signed by Troy McMaster
DN: cn=Troy McMaster, ou=Procurement,
ou=Arizona Highway User Revenue Funds, o=ARS
Date: 2025.06.24 12:18:30 -07'00'

Division Manager, Ana Wilber

Digitally signed by Ana Wilber
Date: 2025.06.24 12:19:25 -07'00'

Department: Procurement Director, Bruce D Collins

Digitally signed by Bruce D Collins
Date: 2025.06.24 12:18:30 -07'00'

Telephone: 520.724.8728

Department Director Signature: _____

Kathrin

Deputy County Administrator Signature: _____

[Signature]

County Administrator Signature: _____

Date: _____

Date: 6-25-2025

Date: 6/27/2025

Pima County Procurement Department**Administering Department:** Information Technology, on behalf of Transportation**Project:** Pavement Management Software**Contractor:** Roadway Asset Services, LLC
6001 W Parmer Lane, Suite 370-1102
Austin, TX 78727**Contract No:** SC2400001843 (formerly MA-PO-24-189)**Contract Amendment No.:** 01

Original Contract Term	6/1/2024 – 5/31/2026	Original Contract Amount:	\$	90,000.00
Prior Termination Date	N/A	Prior Amendments Amount:	\$	0.00
New Termination Date	N/A	This Amendment Amount:	\$	550,000.00
		Revised Total Amount:	\$	640,000.00

CONTRACT AMENDMENT**1. Parties, Background and Purpose.****1.1. Background.**

On June 1, 2024, County and Contractor entered into the above referenced agreement for Contractor's Budget Optimization Street Selector ("BOSS™") and related software and services.

1.2. Purpose.

County is amending the Contract to include services related to Pavement Condition Surveying.

2. Scope of Services.

The parties have revised the Scope of Services to include the Base Scope of Services described in **Exhibit C: RAS Pavement & Asset Management Services Proposal** (4 pages). Optional services included in **Exhibit C** may be purchased at any time, provided contract funding is available.

3. Maximum Payment Amount.

The maximum amount County will spend under this Contract, as set forth in Section 5.2, is increased by \$550,000.00. County's total payments to Contractor under this Contract, including any sales taxes, will not exceed \$640,000.00.

4. Heat Injury and Illness Prevention and Safety Plan.

Pursuant to Pima County Procurement Code 11.40.030, Contractor hereby warrants that if Contractor's employees perform work in an outdoor environment under this Contract, Contractor will keep on file a written Heat Injury and Illness Prevention and Safety Plan. At County's request, Contractor will provide a copy of this plan and documentation of heat safety and mitigation efforts implemented by Contractor to prevent heat-related illnesses and injuries in the workplace. Contractor will post a copy of the Heat Injury and Illness Prevention and Safety Plan where it is accessible to employees. Contractor will further ensure that each subcontractor who performs any work for Contractor under this Contract complies with this provision.

SIGNATURE PAGE TO FOLLOW

IN WITNESS WHEREOF, the parties have approved this Amendment and agree to be bound by the terms and conditions of the Contract on the dates written below.


All other provisions of the Contract not specifically changed by this Amendment remain in effect and are binding upon the parties.

This contract template has been approved as to form by the Pima County Attorney's Office.

Pima County

Roadway Asset Services, LLC

Chair, Board of Supervisors



Authorized Officer Signature

Date

06/12/2025

Date

ATTEST

Clerk of the Board

Date

Approved as to Content



Department Head

6/26/2025

Date

EXHIBIT C

RAS Pavement & Asset Management Services Proposal

May 21st, 2025

Pima County Department of Transportation
1313 S. Mission Rd, Bldg. 11
Tucson, AZ 85713

Attention: Michelle Montagnino, PE, PTOE

Reference: RAS Pavement & Asset Management Services Proposal

Dear Ms. Montagnino,

I appreciate you taking the time to discuss the Pima County pavement and asset management needs with Roadway Asset Services, LLC (RAS). RAS is headquartered in Austin Texas with a regional office in Chandler and Mesa Arizona. Our team is a full-service pavement and asset management consultant that collects pavement performance data using laser based automated technologies and analyzes the data using sound financial optimization modeling. In addition, our services include the integration with many available pavement management programs such as **BOSS™**, StreetSaver, Cartegraph, Lucity EAM, PAVER, Streetlogix, Brightly, DOT, Agile Assets, Viewworks, and many others. **In the last 5 years, RAS executive team members have managed over 100,000 miles of pavement condition and asset inventory data.**

RAS has invested in the most sophisticated fleet of roadway asset collection (RAC) vehicles and pavement analysis tools for automated data collection that provides a **100% linear assessment of the roads driven**. This methodology removes the subjectivity of rating small sample areas of the road segment. **RAS utilizes a ROW capture system to provide a 360 view with independent views processed every 20-feet such that they can be synchronized with the orthogonal LMCS pavement view. RAS has a fleet of 4 RAC vehicles** to ensure the County that we have the staff and resources to complete this assignment in a timely manner. In addition to our fleet, our strategic partnership with our equipment manufacturer allows us to lease and mobilize **additional LCMS equipped RAC vehicles** should capacity need to be expanded upon due to weather or unforeseen mechanical delays.



In the past 5-years, RAS has obtained over 150 contracts from transportation agencies for pavement condition surveys, ROW asset inventories, and data analysis. **RAS is a Silver ESRI Business partner** with a leadership team composed of seasoned pavement management professionals who boast over a combined **150 years of experience in pavement condition survey management**. The RAS leadership team has managed the following Arizona pavement condition assessments or ROW asset surveys in the last few years alone.



Coconino County

Arizona DOT

Yavapai County

Queen Creek

Pima Association of Gov.

Sedona

Prescott

Gilbert

Marana

Pima County

Cottonwood

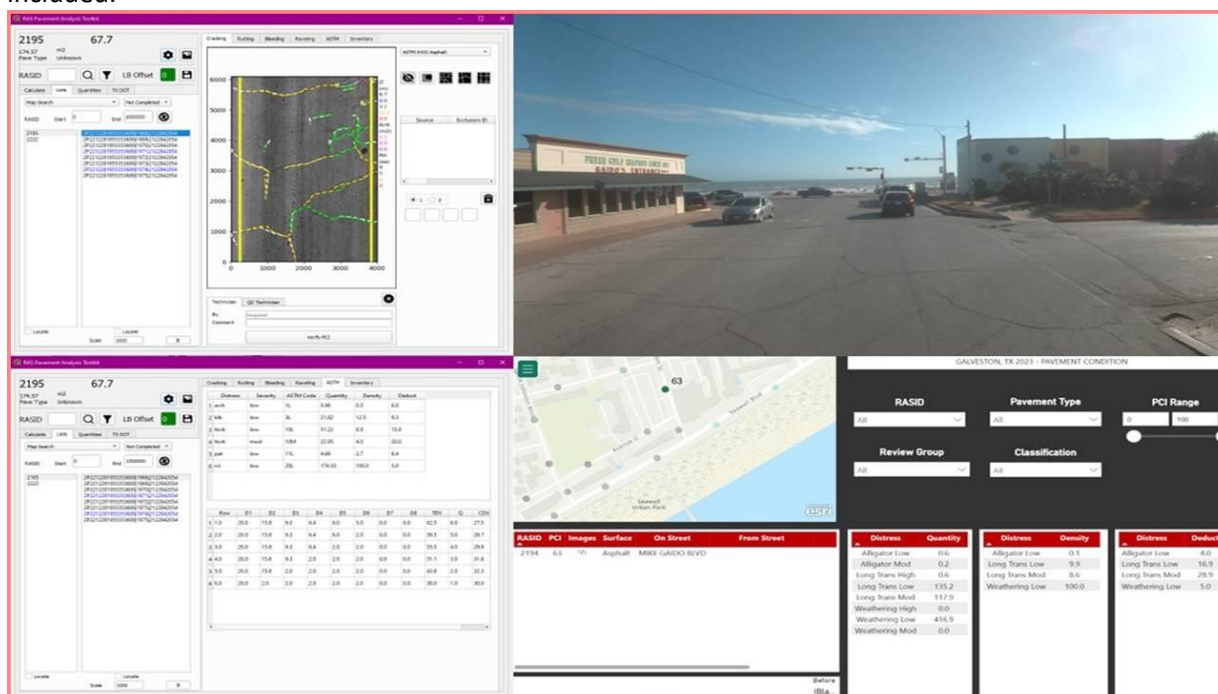
Prescott Valley

Fountain Hills

Pinal County

Yuma County

After data is collected in the field and uploaded to the office environment, it is imported using the RAS AI pavement rating tool **Road TRIP™ (Technical Rating Intelligence Program)**. The import process creates mappings to the data so that users do not need to keep track of where the data is stored on central data server(s). At this stage, the major data processing tasks also occur, such as generation of right-of-way and pavement image streams; calculation of profile, roughness, rutting, detection of cracks, lane-markings, man-made objects, and other distresses. The detected cracks are overlaid on the pavement images and offset to assist with the verification of the detected cracks. During reporting, the distress cracks are defined by road zone and accumulated according to the units defined in the client specification. The severity levels are identified based upon the defined limits (ASTM D6433) and verified for resolution through visual quality control checks of image files. Where density metrics are required, these are determined using the length of the interval being reported and the width of road zones included.



County Commissioner Presentations

The RAS team can provide a public presentation to the County Commission, including data, charts, and all summary data to showcase the results of the pavement condition survey. Zac Thomason and Scot Gordon have extensive experience preparing and presenting results of pavement and asset conditions assessments, as



well as pavement budget scenarios and maintenance plans to Councils and Commissions as final reports. This is a standard scope that we provide to all our asset management clients.

Base Scope of Services:

Below you will find a summary of the budget associated with the services discussed during our meeting. In addition to the pavement management collection and processing services listed below, we have also provided optional costs for the development of Right of Way Asset Inventories. The base scope of services is dedicated to updating the pavement condition data on the Pima County Minor Collector and residential roadway network. While the arterial and major collector roadways do not need to be driven since they were collected by PAG in 2024, RAS will be re-processing that collected data to ensure it is processed to the County centerline.

Pima County, Arizona Pavement Condition Survey				
Task	Description	Units	Unit Cost	Fee
	Required Services			
1	Mobilization	1	\$2,425.00	\$2,425.00
2	Field Setup, GPS Network Creation and Pavement Data Collection for Local Roadway Network (Survey Miles) ¹	1759	\$135.00	\$237,465.00
3	ASTM D6433 Roadway Evaluation - PCI Development for Local Roadway Network (Survey Miles)	1759	\$65.00	\$114,335.00
4	Sr GIS Analyst Hours (accounts for processing PAG collected arterial/major collector data against County centerline) ²	175	\$150.00	\$26,250.00
5	Pavement Report without multi-year Budget Scenarios (lump sum)	1	\$11,500.00	\$11,500.00
6	Sr. Pavement Consultant (Hours)	200	\$275.00	\$55,000.00
7	Budget Optimization Street Selector (BOSS™) Data Load (Per Agency)	1	\$10,000.00	\$10,000.00
Total Fee ³				\$456,975.00

¹Minor/Urban Collectors (2 passes) and Local Roadways (1 pass).

²Based on re-processing approximately 1,049 miles of arterial and major collector PAG data against County centerline

³Bill monthly, lump sum based on percent complete for each task item.

Optional Services Available in PAG Contract:

Task	Additional Professional Services	Units	Unit Cost	Fee
9	Pavement Maintenance and Budgetary Model Forecasts - Final Report and PowerBI Data Management Portal (Per Agency)	1	\$25,000	\$25,000
10	Pavement Report without multi-year Budget Scenarios (lump sum)	1	\$11,500	\$11,500
11	Pavement Widths Verification (Centerline Miles)	1	\$18	\$18
12	RAS Hosted Videologger - PCI Data and Imagery (3-Years of Hosting and Maintenance Included) >1001 Miles	1	\$17,500	\$17,500
13	GIS Creation & Centerline Development (Centerline Miles)	1	\$30	\$30
14	Budget Optimization Street Selector (BOSS™) Implementation, Configuration, and Data Load (Per Agency)	1	\$20,000	\$20,000
15	Pavement Report with 1 round of multi-year Budget Scenarios (lump sum)	1	\$17,000	\$17,000
16	Cartegraph Pavement Condition Data Import (Per Agency)	1	\$10,000	\$10,000
17	StreetSaver Pavement Condition Data Import (Per Agency)	1	\$12,500	\$12,500
18	PAVER Pavement Condition Data Import (Per Agency)	1	\$7,500	\$7,500
19	Lucity Pavement Condition Data Import (Per Agency)	1	\$8,000	\$8,000
20	Asset Extraction - Pavement Markings (Centerline Miles)	1,963	\$65	\$127,595
21	Asset Extraction - Pavement Striping (Centerline Miles)	1,963	\$85	\$166,855
22	Asset Extraction - Edge of Pavement (Centerline Miles)	1,963	\$40	\$78,520
23	Asset Extraction - Sidewalks (Centerline Miles)	1,963	\$85	\$166,855
24	Asset Extraction - Pedestrian Ramps (Centerline Miles)	1,963	\$65	\$127,595
25	Asset Extraction - Signs & Sign Supports (Centerline Miles)	1,963	\$120	\$235,560
26	Asset Extraction - Curb & Gutter (Centerline Miles)	1,963	\$100	\$196,300
27	Asset Extraction - Medians (Centerline Miles)	1,963	\$120	\$235,560
28	Asset Extraction - Guardrails (Centerline Miles)	1,963	\$50	\$98,150
29	Asset Extraction - Bus Shelters/Pads (Centerline Miles)	1,963	\$50	\$98,150
30	Asset Extraction - Traffic Control Boxes (Centerline Miles)	1,963	\$50	\$98,150
31	Asset Extraction - Street Lights (Centerline Miles)	1,963	\$60	\$117,780
32	Asset Extraction - Fire Hydrants (Centerline Miles)	1,963	\$50	\$98,150
33	Asset Extraction - Traffic Calming Devices (Centerline Miles)	1,963	\$60	\$117,780
34	Asset Extraction - Bike Lanes and Bike Lane Hazards (Centerline Miles)	1,963	\$50	\$98,150
35	Asset Extraction - Inlets (Centerline Miles)	1,963	\$60	\$117,780
36	Asset Extraction - Manholes (Centerline Miles)	1,963	\$50	\$98,150
37	Asset Extraction - Drain/Catch Basins (Centerline Miles)	1,963	\$50	\$98,150
38	Falling Weight Deflectometer (FWD) or Ground Penetrating Radar (GPR) testing for Arterial and Collector Roads (lane mile)	1,690	\$180	\$304,261
39	Falling Weight Deflectometer (FWD) or Ground Penetrating Radar (GPR) testing for Local/Residential Roads (lane mile)	1,117	\$210	\$234,591
40	Falling Weight Deflectometer (FWD) analysis and reporting (SCI value in tables) (lane mile)	2,808	\$198	\$555,984
41	Falling Weight Deflectometer (FWD) or Ground Penetrating Radar (GPR) analysis and reporting (SCI value in tables and GPR thickness tables) (lane mile)	2,808	\$396	\$1,111,968
42	Mobilization for Falling Weight Deflectometer (FWD) or Ground Penetrating Radar (GPR) testing (lump sum)	1	\$10,000	\$10,000
43	Traffic Control for Falling Weight Deflectometer (FWD) or Ground Penetrating Radar (GPR) testing (day)	1	\$2,000	\$2,000
44	Sr GIS Analyst (Hours)	1	\$150	\$150
45	GIS Analyst (Hours)	1	\$110	\$110
46	Sr. Pavement Consultant (Hours)	1	\$275	\$275
47	Sr. Project Manager (Hours)	1	\$200	\$200

We look forward to building a long-term relationship with Pima County and please do not hesitate to reach out with any questions or comments regarding these services.

Sincerely,

Zac Thomason, MBA
Senior Vice President
Roadway Asset Services, LLC.

