



BOARD OF SUPERVISORS AGENDA ITEM REPORT
CONTRACTS / AWARDS / GRANTS

Requested Board Meeting Date: April 4, 2017

or Procurement Director Award [ ]

Contractor/Vendor Name (DBA): Pima Association of Governments

Project Title/Description:

Rural Road Intersection Safety Study (PAG TIP #61.14)

Purpose:

The purpose is to develop a project scoping tool that will enable intersection control selection based on crash mitigation and life cycle cost.

Procurement Method:

Procurement exempt - Memorandum of Understanding

Program Goals/Predicted Outcomes:

The intersection tool will be used to evaluate different intersection control types based on life-cycle costs. The life-cycle cost will be calculated using the combined costs of initial construction, maintenance, and crash mitigation costs over the life of the project.

Public Benefit:

Using life-cycle cost analyses for intersection control selection will improve safety and reduce the costs for the public.

Metrics Available to Measure Performance:

PCDOT Traffic Division will monitor intersection safety and report on a yearly basis.

Retroactive:

No

Original Information

Document Type: CTN Department Code: TR Contract Number (i.e., 15-123): 17\*184

Effective Date: 4/4/2017 Termination Date: 6/30/17 Prior Contract Number (Synergen/CMS):

[ ] Expense Amount: \$ [ ] Revenue Amount: \$ 50,000.00

Funding Source(s): Project Development Activities Fund (PDAF) = \$50,000.00

Cost to Pima County General Fund: \$0

Contract is fully or partially funded with Federal Funds? [x] Yes [ ] No [ ] Not Applicable to Grant Awards

Were insurance or indemnity clauses modified? [ ] Yes [ ] No [x] Not Applicable to Grant Awards

Vendor is using a Social Security Number? [ ] Yes [ ] No [x] Not Applicable to Grant Awards

If Yes, attach the required form per Administrative Procedure 22-73.

Amendment Information

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

Amendment No.: AMS Version No.:

Effective Date: New Termination Date:

[ ] Expense [ ] Revenue [ ] Increase [ ] Decrease Amount This Amendment: \$

Funding Source(s):

Cost to Pima County General Fund:

TO: COB- 3-29-17 (3)
Ver. 1
PFS-10 Addendum

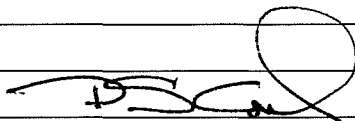
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Contact: William Strickler

Department: Transportation

Telephone: 724-5853

Department Director Signature/Date:



3/21/17

Deputy County Administrator Signature/Date:



3/27/17

County Administrator Signature/Date:

*(Required for Board Agenda/Addendum Items)*



3/28/17

NO. CTN-TR-17-184

AMENDMENT NO. \_\_\_\_\_

This number must appear on all  
invoices, correspondence and  
documents pertaining to this  
contract.

**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
PIMA ASSOCIATION OF GOVERNMENTS  
AND  
PIMA COUNTY  
FOR  
PROGRAMMING AND FUNDING OF  
RURAL ROAD INTERSECTION SAFETY STUDY (TIP ID 61.14)**

This Memorandum of Understanding (MOU) is entered into by and between Pima Association of Governments (PAG), the designated Metropolitan Planning Organization (MPO) for Pima County, and Pima County, a body politic and corporate of the State of Arizona (“the Lead Agency”).

**RECITALS**

- A. 23 U.S.C 134 (b) establishes Metropolitan Planning Organizations in urban areas over 50,000 in population. Additionally, urbanized areas over 200,000 in population are considered Transportation Management Areas (TMA) that require the MPO to incorporate additional requirements into the planning process as outlined in 23 USC 134 (k).
- B. The governing board of the MPO is composed of representatives of each member of the regional jurisdictional governments in accordance with 23 USC 134 (d).
- C. PAG as the MPO is required to annually develop a Transportation Improvement Program (TIP) in accordance with 23 USC 134 (j).
- D. PAG, as part of the regional planning process throughout 23 USC 134 is required to ensure projects identified in the TIP are making satisfactory progress toward completion, have the necessary funding commitments to be completed within the timeframe published in the TIP and that completed projects are reported on using a performance based planning process.
- E. Publication of the PAG TIP document authorizes the obligation of federal funding (expenditure of federal funds obligated for this project on or after May 29, 2015 are subject to terms and conditions of this agreement) and/or authorizes the drawdown of state PAG HURF 12.6% funds to projects that are programmed in the “current” fiscal year of the document.
- F. Pima County has been identified as the Lead Agency for the Rural Road Intersection Safety Study Project (“the Project”) and will be responsible for all aspects of Project implementation including, but not limited to, planning, Project management, risk management, design, right of way acquisition, construction, advertisement, award, execution and administration of the design and construction contracts for the Project.

- G. The Lead Agency is authorized by A.R.S. §§ 11-251(4) and 28-6701 et seq. to design, maintain, control and manage public roads within the Lead Agency's jurisdictional boundaries.
- H. The Lead Agency is authorized under A.R.S. § 28-6701 to establish, construct, and maintain highways and related improvements in Pima County within municipal boundaries. The Lead Agency may, when authorized by law, have a legal contract with one or more jurisdictions to perform roadway and other improvements within the boundaries of the other jurisdiction or jurisdictions.
- I. The Lead Agency and PAG wish to cooperate in the programming and funding for the Project. The Project is identified in the PAG TIP with the TIP ID# of 61.14.
- J. It is the policy of PAG to require that the Lead Agency be identified and a Memorandum of Understanding (MOU) be approved and entered into by PAG and the Lead Agency before the project can advance into the first or second year of the TIP document.
- K. The PAG TIP Policies and Procedures document will apply to the programming process for this project unless otherwise specified herein.
- L. The Project has been identified to add value to the stated goals and objectives of the adopted regional transportation plan, as such it must meet and comply with its obligations to the region.

NOW, THEREFORE, Pima County and PAG, pursuant to the above and in consideration of the matters and things set forth herein, do mutually understand as follows:

### UNDERSTANDING

1. **Purpose.** The purpose of this MOU is to set forth the responsibilities of the parties for the design, construction, maintenance and operation of the Project and to address various legal and administrative matters among the parties.
2. **Project.** Propose and scope crash mitigation suitable to the terrain, roadway users and natural environment. A scoping report shall be produced that will document public input, and recommend safety improvements that can be considered for development into a future safety project including the following:
  - a) Detailed Project scope and schedule, including a description of how the Project will benefit the PAG region.
  - b) PAG TIP ID# Number
  - c) Project budget and cost breakdown by phase
  - d) Total amount of regional funding programmed for the Project plus a breakdown of any other funding available to complete the Project.
  - e) Designation of Project phases, if applicable, and any additional related agreements.
  - f) Estimated construction start date and duration of construction.
  - g) Projected timeline.
  - h) Identification of a Project contact for the Lead Agency

- i) For non-programmatic projects, the scope should list (at a minimum) all Project features and categories that will be identified in the project's base info page in the TIP database. The jurisdictions are encouraged to list additional Project features as well.
- j) For programmatic expenditures, the scope should include anticipated deliverables and outcomes, such as number of meetings or outreach events, or number of participants reached.

**3. Operations and Maintenance.** For capital improvement projects the Lead Agency will identify the cost and funding source for operations and maintenance of the completed project.

**4. Effective Date; Term.** This MOU shall become effective upon approval of this MOU by the PAG Regional Council and the Lead Agency and shall continue in effect until all improvements constructed pursuant to this MOU are completed, all eligible reimbursement payments to the Lead Agency are concluded, and all warranties applicable to the Project have expired.

**5. Responsibilities of the Lead Agency.**

- a. The Lead Agency shall be responsible for the design, construction and/or installation of the Project in accordance with this MOU and all applicable public roadway, traffic signal, and street lighting design and construction standards. Design Standards are federal, state, county or municipal standards for engineering, traffic, safety or public works facilities design. Examples of Design Standards include the American Association of State Highway and Transportation Officials and Federal Highway Administration standards for highway engineering and construction, the Pima Association of Governments Standard Specifications for Public Improvements, the Pima County Roadway Design Manual, the Pima County Department of Transportation /City of Tucson Department of Transportation Pavement Marking Design Manual, and Pima County and municipal design guidelines for roadway lane widths and level of drainage protection.
- b. If any parties other than the Lead Agency are contracted to perform any portion of the Project, the Lead Agency shall be responsible for the contracts for design, construction, or any other professional services for the Project and shall select the consultants and contractors to be used on the Project. The Lead Agency shall follow all local, regional, state or federal requirements applicable to the funding being used, including selection and contracting for services.
- c. During Project implementation when required, the Lead Agency shall be responsible for all traffic management, including public notification, during construction of the Project.
- d. For construction projects, the Lead Agency shall operate and maintain the improvements during and after completion of construction except where those responsibilities have been agreed to by another agency or jurisdiction.
- e. The final cost of the Project shall be that amount necessary to complete the Project including any work incorporated into the Project by change orders and amendments executed by the Lead Agency. The Lead Agency shall be responsible for all Project costs in excess of the regional funds identified in the TIP document.

- f. The Lead Agency shall exercise its power of eminent domain, if necessary, to acquire property needed for the Project.
- g. Under no circumstances shall the contractor(s) or any other third party entity own or imply ownership of products and services provided and paid for in part or in whole with funds identified in this agreement.
- h. For construction projects the Lead Agency will be responsible for assuming all risks associated with the Project except those that are assigned to another agency or jurisdiction that has agreed to that assumption.
- i. For construction projects the Lead Agency shall require its contractors performing any portion of the Project to name PAG as additional insured and additional indemnitee with respect to insurance policies for general liability, automobile liability and defects in design in all of the Lead Agency's contracts for the Project. The Lead Agency shall also require its contractors to name PAG, as well as any other funding agency involved with the project (RTA, ADOT, FHWA, etc.) as an additional beneficiary in any performance and payment related assurances posted for the Project.
- j. Monthly, the Lead Agency shall be responsible for preparing and submitting the reimbursement requests (invoices) to PAG/ADOT or FHWA depending on the fund source.
- k. The Lead Agency shall be responsible for submitting a status report describing its progress and adherence to the Project scope, schedule and budget to the TIP Subcommittee upon request, and quarterly to PAG.
- l. The Lead Agency shall indemnify, defend, and hold PAG and any other funding providers harmless from any and all claims, demands, suits, actions, proceedings, loss cost, and damages of every kind and description, including any reasonable attorneys' fees and/or litigation expenses, which may be brought or made against PAG and any other funding providers, and any of their officers, directors and employees, or any person, regardless of who makes the claim, to the extent they result from the negligent or wrongful acts of the Lead Agency or its contractors, or any of their employees, agents, representatives, or sub-contractors, in connection with or incidental to the performance of this MOU. The indemnity provided in this section shall survive termination of this MOU.
- m. For construction projects the Lead Agency and its contractors shall clearly identify the funding source(s) for the Project, as well as any funding agency involved with the project (PAG, RTA, FTA, FHWA, etc.) in all documents and communications materials related to the Project. Communications materials may include, but are not limited to, signs, brochures, press releases, PowerPoint presentations, Web site information, reports, agenda templates, DVD presentations, electronic documents.

## **6. Responsibilities of PAG.**

- a. PAG will annually publish a TIP document making regional projects eligible for state and federal funding.
- b. PAG will aid the Lead Agency in preparation of any TIP amendments that may be necessary for the completion of the Project.
- c. PAG will report on regional progress toward completion of the program and will report to the region's state and federal funding partners.
- d. PAG will process drawdown requests associated with PAG HURF 12.6% funding.

## **7. Amendment.**

- a. This MOU may be modified, amended, altered or changed only by written agreement signed by both parties.
- b. An amendment to this MOU is required if the scope of work for the Project is significantly altered, such as a change to the Project boundaries, an alteration to the scope of services to be provided by the Project, or addition or elimination of Project features.
- c. An amendment to this MOU is required if the total amount of regional funding programmed on a project changes more than 10% of the total programmed amount or \$200,000, whichever is smaller. Funding changes less than this threshold do not require an amendment to the MOU, as long as there are no significant changes in scope.

**8. Termination.** Either party may terminate this MOU for material breach of the MOU by the other party. Prior to any termination under this paragraph, the party allegedly in default shall be given written notice by the other party of the nature of the alleged default. Upon termination, programmed funds will no longer be available for use on said project. The party said to be in default shall have forty-five days to cure the default. If the default is not cured within that time, the other party may terminate this MOU. Any such termination shall not relieve either party from liabilities or costs already incurred under this MOU.

**9. Non-assignment.** Neither party to this MOU shall assign its rights under this MOU to any other party without written permission from the other party to this MOU.

## **10. Construction of MOU.**

- a. Entire agreement. This instrument constitutes the entire agreement between the parties pertaining to the programming of the project in the TIP. Any exhibits to this MOU are incorporated herein by this reference.
- b. Construction and interpretation. All provisions of this MOU shall be construed to be consistent with the intention of the parties as expressed in the Recitals hereof.
- c. Captions and headings. The headings used in this MOU are for convenience only and are not intended to affect the meaning of any provision of this MOU.

- d. Severability. In the event that any provision of this MOU or the application thereof is declared invalid or void by statute or judicial decision, such action shall have no effect on other provisions and their application, which can be given effect without the invalid or void provision or application, and to this extent the provisions of the MOU are severable. In the event that any provision of this MOU is declared invalid or void, the parties agree to meet promptly upon request of the other party in an attempt to reach an agreement on a substitute provision.
- e. This MOU is subject to the provisions of A.R.S. § 38-511.

**11. Ownership of Improvements.** If the Project involves construction, except as otherwise provided for by law or under a contract with one or more other jurisdictions, ownership and title to all materials, equipment and appurtenances installed pursuant to this MOU shall automatically vest in the Lead Agency upon completion of the Project.

**12. Legal Jurisdiction.** Nothing in this MOU shall be construed as either limiting or extending the legal jurisdiction of the Lead Agency or PAG.

**13. No Joint Venture.** It is not intended by this MOU to, and nothing contained in this MOU shall be construed to, create any partnership, joint venture or employment relationship between the parties or create any employer-employee relationship between the Lead Agency and any PAG employees, or between PAG and any Lead Agency employees. Neither party shall be liable for any debts, accounts, obligations nor other liabilities whatsoever of the other, including (without limitation) the other party's obligation to withhold Social Security and income taxes for itself or any of its employees.

**14. No Third Party Beneficiaries.** Nothing in the provisions of this MOU is intended to create duties or obligations to or rights in third parties not parties to this MOU or affect the legal liability of either party to the MOU by imposing any standard of care different from the standard of care imposed by law.

**15. Compliance with Laws.** The parties shall comply with all applicable federal, state and local laws, rules, regulations, standards and executive orders, without limitation to those designated within this MOU.

a. Anti-Discrimination. Neither party shall discriminate against any employee or client of either party or any other individual in any way because of that person's age, race, creed, color, religion, sex, disability or national origin in the course of carrying out the duties pursuant to this MOU. Both parties shall comply with applicable provisions of Executive Order 75-5, as amended by Executive Order 2009-09 of the Governor of Arizona, which are incorporated into this MOU by reference as if set forth in full herein, including the provisions of A.R.S. § 41-1463.

b. Americans with Disabilities Act. This MOU is subject to all applicable provisions of the Americans with Disabilities Act (Public Law 101-336, 42 U.S.C. 12101-12213) and all applicable federal regulations under the Act, including 28 CFR Parts 35 and 36.



**16. Waiver.** Waiver by either party of any breach of any term, covenant or condition herein contained shall not be deemed a waiver of any other term, covenant or condition, or any subsequent breach of the same or any other term, covenant, or condition herein contained.

**17. Force Majeure.** A party shall not be in default under this MOU if it does not fulfill any of its obligations under this MOU because it is prevented or delayed in doing so by reason of uncontrollable forces. The term “uncontrollable forces” shall mean, for the purpose of this MOU, any cause beyond the control of the party affected, including but not limited to failure of facilities, breakage or accident to machinery or transmission facilities, weather conditions, flood, earthquake, lightning, fire, epidemic, war, riot, civil disturbance, sabotage, strike, lockout, labor dispute, boycott, material or energy shortage, casualty loss, acts of God, or action or non-action by governmental bodies in approving or failing to act upon applications for approvals or permits which are not due to the negligence or willful action of the parties, order of any government officer or court (excluding orders promulgated by the parties themselves), and declared local, state or national emergency, which, by exercise of due diligence and foresight, such party could not reasonably have been expected to avoid. Either party rendered unable to fulfill any obligations by reason of uncontrollable forces shall exercise due diligence to remove such inability with all reasonable dispatch.

**18. Notification.** All notices or demands upon any party to this MOU shall be in writing, unless other forms are designated elsewhere, and shall be delivered in person or sent by mail addressed as follows:

Pima Association of Governments:  
Nathan Barrett, Senior Transportation Planner  
Pima Association of Governments  
1 E. Broadway, Suite 401  
Tucson, AZ 85701

Pima County:  
Priscilla S. Cornelio, P.E. Director  
Pima County Transportation  
201 N. Stone, 4<sup>th</sup> Floor  
Tucson, AZ 85701

**19. Remedies.** Either party may pursue any remedies provided by law for the breach of this MOU. No right or remedy is intended to be exclusive of any other right or remedy and each shall be cumulative and in addition to any other right or remedy existing at law or in equity or by virtue of this MOU.

**20. Counterparts.** This MOU may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. The signature pages from one or more counterpart may be removed from such counterpart and attached to a single instrument.

**In Witness Whereof,** Pima County has caused this MOU to be executed by the Chair of its Board of Supervisors attested to by the Clerk of the Board, and PAG has caused this MOU to be executed by its Chair of the Regional Council.

**PIMA ASSOCIATION OF GOVERNMENTS**

\_\_\_\_\_  
Chair, Regional Council Chair

\_\_\_\_\_  
Date

**PIMA COUNTY**

\_\_\_\_\_  
Chair, Board of Supervisors

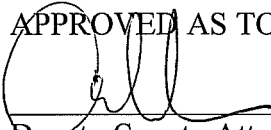
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Date

ATTEST:

\_\_\_\_\_  
Clerk of the Board

\_\_\_\_\_  
Date

APPROVED AS TO FORM:

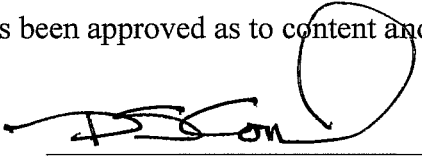
  
\_\_\_\_\_  
Deputy County Attorney

2/22/2017  
\_\_\_\_\_  
Date

**ANDREW FLAGG**

The foregoing MOU between Pima County and PAG has been approved as to content and is hereby recommended by the undersigned.

\_\_\_\_\_  
Mr. Farhad Moghimi, Executive Director

  
\_\_\_\_\_  
Priscilla S. Cornelio, P.E., Director  
Pima County

# PAG TIP Memorandum of Understanding: Exhibit A

## Base Information

<b>Project Name</b>	<b>Rural Road Intersection Safety Study</b>		
<b>TIP ID</b>	61.14		
<b>Project Location</b>	Pima County-various locations		
<b>Project Description</b>	Develop a project scoping tool that will enable intersection control selection based on crash mitigation and life cycle cost. The PAG TIP project application focused on the use of roundabouts; this MOU will focus on other appropriate configurations.		
<b>Lanes Before</b>	NA	<b>Lanes After</b>	NA
<b>Project Contact</b>	William Strickler		
<b>Project Contact</b>	(520)724-5853	William.strickler@pima.gov	

## Estimated Project Schedule

Phase	Estimated Start Date	Estimated End Date
Planning	December 2016	June 2017

## Estimated Project Budget

Phase	Regional Funding Source	Year	Amount	Other Funding Source	Year	Amount
Right of Way	N/A	N/A	N/A	N/A	N/A	N/A
Planning	PDAF	17	\$50,000	N/A	N/A	N/A
Design	N/A	N/A	N/A	N/A	N/A	N/A
Construction	N/A	N/A	N/A	N/A	N/A	N/A
Utility	N/A	N/A	N/A	N/A	N/A	N/A
Art	N/A	N/A	N/A	N/A	N/A	N/A

Please list any agreements related to the project:

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For Infrastructure Projects: mark all that apply

ADA Enhancements	Landscaping	Signals
Art	Medians	Signalized Ped Crossing (at signal)
Bike Racks	Multiuse Paths	Signing
Bridge	New Bike Lanes	Sound Walls
Bus Pullouts	New Sidewalks	Street Lighting
Culverts	Overpass	Striping
Curbs	Pavement Preservation	Turn Lanes
Detection Cameras	Pedestrian Lighting	Underpass
Drainage Structures	Rubberized Asphalt	Utility Relocation
Guardrails	Right of Way Purchase	Wildlife Crossing

Additional Project Features

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For non-infrastructure projects: describe the outcomes and deliverables with project costs associated with each

<p>Produce an intersection selection tool that is specific to Arizona and will be based on the life cycle cost considering crash mitigation, construction and operating costs. The scoping project will cost \$50,000 and begins in December 2016 and will be completed by June 2017.</p>
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Describe how the region as a whole will benefit from this project, including any jurisdictions that will be affected or receive benefits from the project.

<p>When the intersection selection report is completed, the selection tool will be applicable to regional conditions.</p>
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