



**BOARD OF SUPERVISORS AGENDA ITEM REPORT  
CONTRACTS / AWARDS / GRANTS**

Requested Board Meeting Date: 2/21/17

or Procurement Director Award

**Contractor/Vendor Name (DBA):** AECOM Technical Services, Inc. (Headquarters: Los Angeles, California)

**Project Title/Description:**

Bopp Road, Sarasota Boulevard at Kinney Road Improvements (4KINBO)

**Purpose:**

Award of Contract: Contract No. CT-TR-17-270. This award of contract is to provide design engineering services in a not-to-exceed amount of \$380,000.00 for a contract term from February 21, 2017 to June 30, 2019. Administrating Department: Transportation.

**Procurement Method:**

Pursuant to the Direct Selection authority of A.R.S. § 34-103 and Pima County BOS Policy D29.1 (C)(I), award for Requisition No. 248340 is recommended to the above named consultant which has accepted the terms of the County's standard contract and with which the County has negotiated a satisfactory agreement.

Attachments: Direct Select Request Memo and Contract

**Program Goals/Predicted Outcomes:**

Final plans will be available for the bidding and construction of Bopp Road, Sarasota Boulevard at Kinney Road Improvements Project.

**Public Benefit:**

The project will improve safety, reduce congestion, improve operations, and increase mobility for commuters along the Kinney Road corridor.

**Metrics Available to Measure Performance:**

Project design is complete, allowing for bidding and construction of intersection.

**Retroactive:**

No

*TO: COB 2-13-17 (1)  
Vers.: 01  
pgs.: 58*

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**Original Information**

Document Type: CT Department Code: TR Contract Number (i.e., 15-123): 17-270  
Effective Date: 2/21/17 Termination Date: 6/30/19 Prior Contract Number (Synergen/CMS): \_\_\_\_\_  
 Expense Amount: \$ \$380,000.00  Revenue Amount: \$ \_\_\_\_\_  
Funding Source(s): DOT 57 Highway User Revenue Funds (HURF)

Cost to Pima County General Fund: \$0.00

Contract is fully or partially funded with Federal Funds?  Yes  No  Not Applicable to Grant Awards  
Were insurance or indemnity clauses modified?  Yes  No  Not Applicable to Grant Awards  
Vendor is using a Social Security Number?  Yes  No  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: \_\_\_\_\_

Contact: Anthony V. Schiavone *AS Schiavone* 2-2-17  
Department: Procurement *Magister* 2/6/17 Telephone: 724-3245  
Department Director Signature/Date: \_\_\_\_\_ 2/6/17  
Deputy County Administrator Signature/Date: \_\_\_\_\_ 2/6/17  
County Administrator Signature/Date: \_\_\_\_\_ 2/7/17  
*(Required for Board Agenda/Addendum Items)*

<b>PIMA COUNTY DEPARTMENT OF TRANSPORTATION</b>		<table border="1"> <tr><td style="text-align: center;"><b>CONTRACT</b></td></tr> <tr><td>NO. <u>CT-TR-17-270</u></td></tr> <tr><td>AMENDMENT NO. _____</td></tr> <tr><td style="font-size: small;">This number must appear on all invoices, correspondence and documents pertaining to this contract.</td></tr> </table>	<b>CONTRACT</b>	NO. <u>CT-TR-17-270</u>	AMENDMENT NO. _____	This number must appear on all invoices, correspondence and documents pertaining to this contract.
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This number must appear on all invoices, correspondence and documents pertaining to this contract.						
<b>PROJECT:</b>	Bopp Road, Sarasota Boulevard at Kinney Road Improvements (4KINBO)					
<b>CONSULTANT:</b>	AECOM Technical Services, Inc. 333 E. Wetmore Road Tucson, AZ 85705					
<b>AMOUNT:</b>	Not to Exceed \$380,000.00					
<b>FUNDING:</b>	DOT 57 HURF					

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**CONSULTANT SERVICES CONTRACT**

This Contract is entered into between Pima County, a body politic and corporate of the State of Arizona, hereinafter called COUNTY, and AECOM Services, Inc., hereinafter called CONSULTANT, collectively referred to as the Parties.

**WITNESSETH**

**WHEREAS**, COUNTY requires the services of a CONSULTANT registered in the State of Arizona and qualified to provide Engineering Design Services for the Bopp Road, Sarasota Boulevard at Kinney Road Improvements (4KINBO) Project; and,

**WHEREAS**, CONSULTANT is qualified and willing to provide such services; and

**WHEREAS**, CONSULTANT has been involved with design efforts in 2002 and 2007, having detailed knowledge about the drainage and traffic design of this transportation corridor; and

**WHEREAS**, CONSULTANT has topographic base maps, completed drainage calculations, and updated traffic flows realizing a cost and time saving advantage for the COUNTY; and

**WHEREAS**, CONSULTANT was determined under the direct select provisions of A.R.S. §34-103 and Pima County Board of Supervisors Policy D29.1 (C)(I) to be the best source for said work; and

**WHEREAS**, CONSULTANT has proposed to perform the work at a price acceptable to COUNTY.

**NOW THEREFORE**, in consideration of the foregoing recitals and other valuable and good consideration the Parties agree as follows:

**ARTICLE 1 – TERM AND EXTENSION/RENEWAL/CHANGES**

This Contract as approved by the Board of Supervisors commences on February 21, 2017 and terminates on June 30, 2019, unless sooner terminated or further extended pursuant to the provisions of this Contract.

COUNTY has the option to extend the Contract termination date for project completion. Any modification or extension of the Contract termination date will be by formal written amendment executed by the Parties. The Procurement Director or the COUNTY Board of Supervisors, as required by the Pima County Procurement Code must approve amendments to the Contract or the Scope of Services before CONSULTANT performs the work authorized by the amendment.

**ARTICLE 2 – SCOPE OF SERVICES**

CONSULTANT agrees to provide Engineering Design Services for the Bopp Road, Sarasota Boulevard at Kinney Road Improvements Project for the COUNTY as described in **EXHIBIT A: SCOPE OF WORK** (18 pages), attached to this Contract.

### **ARTICLE 3 – COMPENSATION AND PAYMENT**

In consideration of the services specified in this Contract, COUNTY agrees to pay CONSULTANT Not to Exceed Three Hundred Eighty Thousand Dollars and Zero Cents (\$380,000.00). CONSULTANT'S fees are as stated in **EXHIBIT B: CONSULTANT FEE PROPOSAL** (20 pages), attached to this Contract. Hourly rates and all other rates included under this Contract will remain fixed throughout the term of the Contract. COUNTY may consider adjustments to rates in connection with any extensions of the Contract term.

Unless otherwise agreed, CONSULTANT will submit invoices monthly. All invoices will be accompanied by a narrative description of the work performed during the period covered by the invoice, time accounting information, and an allocation of all direct costs, including reimbursable costs and SUBCONSULTANT charges, to the tasks identified in the Scope of Work for which those costs were incurred. The time accounting information should be sufficient to show the workers and hours worked by day for the period covered by the invoice. SUBCONSULTANT charges will be supported by appropriate documentation with each separate invoice submitted.

For the period of record retention required under Article 22, COUNTY reserves the right to question any payment made under this article and to require reimbursement therefor by setoff or otherwise for payments determined to be improper or contrary to the Contract or law.

CONSULTANT will not perform work in excess of the Contract amount without prior authorization by an amendment executed by COUNTY. Work performed in excess of the Contract amount without prior authorization by amendment is at CONSULTANT'S own risk.

### **ARTICLE 4 – INSURANCE**

The Insurance requirements herein are minimum requirements for this Contract and in no way limit the indemnity covenants contained in this Contract. COUNTY in no way warrants that the minimum limits contained herein are sufficient to protect the CONSULTANT from liabilities that arise out of the performance of the work under this Contract. The CONSULTANT is free to purchase additional insurance.

CONSULTANT'S insurance will be placed with companies licensed in the State of Arizona or hold approved non-admitted status on the Arizona Department of Insurance List of Qualified Unauthorized Insurers. Insurers will have an "A.M. Best" rating of not less than A- VII. COUNTY in no way warrants that the above-required minimum insurer rating is sufficient to protect the CONSULTANT from potential insurer insolvency.

#### **4.1 Minimum Scope and Limits of Insurance:**

CONSULTANT will procure and maintain, until all of their obligations have been discharged, coverage with limits of liability not less than those stated below.

4.1.1 Commercial General Liability (CGL) – Occurrence Form with limits of \$1,000,000 Each Occurrence and \$2,000,000 General Aggregate. Policy will include bodily injury, property damage, and broad form contractual liability coverage, and products – completed operations.

4.1.2 Business Automobile Liability – Bodily Injury and Property Damage for any owned, hired, and/or non-owned automobiles used in the performance of this Contract with a Combined Single Limit (CSL) of \$1,000,000.

4.1.3 Workers' Compensation and Employers' Liability - Statutory requirements and benefits. Coverage is compulsory for employers of one or more employees. Employer's Liability - \$1,000,000.  
Note: The Workers' Compensation requirement will not apply to a CONSULTANT that is exempt under A.R.S. § 23-901, and when such CONSULTANT executes the appropriate COUNTY Sole Proprietor or Independent CONSULTANT waiver form.

4.1.4 Professional Liability (Errors and Omissions) Insurance – This insurance is required when soliciting work from licensed professionals. The policy limits will be not less than \$2,000,000 Each Claim and \$2,000,000 Annual Aggregate. The policy will cover professional misconduct or negligent acts for those positions defined in the Scope of Work of this contract.

In the event that the Professional Liability insurance required by this Contract is written on a claims-made basis, CONSULTANT warrants that any retroactive date under the policy will precede the

effective date of this Contract and, either continuous coverage will be maintained, or an extended discovery period will be exercised, for a period of two (2) years beginning at the time work under this Contract is completed.

4.2 Additional Insurance Requirements:

The policies will include, or be endorsed to include, as required by this written agreement, the following provisions:

- 4.2.1 Additional Insured Endorsement: The General Liability and Business Automobile Liability Policies will each be endorsed to include COUNTY, its departments, districts, boards, commissions, officers, officials, agents, and employees as additional insureds with respect to liability arising out of the activities performed by or on behalf of the CONSULTANT.
- 4.2.2 Subrogation Endorsement: The General Liability, Business Automobile Liability and Workers' Compensation Policies will each contain a waiver of subrogation endorsement in favor of COUNTY, and its departments, districts, boards, commissions, officers, officials, agents, and employees for losses arising from work performed by or on behalf of the CONSULTANT.
- 4.2.3 Primary Insurance Endorsement: The CONSULTANT'S policies will stipulate that the insurance afforded the CONSULTANT will be primary and that any insurance carried by the Department, its agents, officials, employees or COUNTY will be excess and not contributory insurance, as provided by A.R.S. § 41-621 (E).
- 4.2.4 Insurance provided by the CONSULTANT will not limit the CONSULTANT'S liability assumed under the indemnification provisions of this Contract.

4.3 Notice of Cancellation:

For each insurance policy required by the insurance provisions of this Contract, the CONSULTANT must provide to COUNTY, within two (2) business days of receipt, a notice if a policy is suspended, voided, or cancelled for any reason. Such notice will be mailed, emailed, hand-delivered or sent by facsimile transmission to Pima County Procurement, 130 W. Congress St., Tucson, AZ 85701, Fax: (520) 724-4434.

4.4 Verification of Coverage:

CONSULTANT will furnish COUNTY with certificates of insurance (valid ACORD form or equivalent approved by COUNTY) as required by this Contract. An authorized representative of the insurer will sign the certificates.

- 4.4.1 All certificates and endorsements, as required by this written agreement, are to be received and approved by COUNTY before work commences. Each insurance policy required by this Contract must be in effect at, or prior to, commencement of work under this Contract. Failure to maintain the insurance coverages or policies as required by this Contract, or to provide evidence of renewal, is a material breach of contract.
- 4.4.2 All certificates required by this Contract will be sent directly to the Department. COUNTY project or contract number and project description will be noted on the certificate of insurance. COUNTY reserves the right to require complete copies of all insurance policies required by this Contract at any time.

4.5 Approval and Modifications:

COUNTY Risk Management reserves the right to review or make modifications to the insurance limits, required coverages, or endorsements throughout the life of this Contract, as deemed necessary. Such action will not require a formal Contract amendment but may be made by administrative action.

**ARTICLE 5 – INDEMNIFICATION**

To the fullest extent permitted by law, CONSULTANT indemnifies and holds harmless COUNTY, its officers, employees and agents from and against any and all suits, actions, legal administrative proceedings, claims or demands and costs attendant thereto, including reasonable attorney's fees and court costs, to the extent caused by any negligent, reckless or intentionally wrongful act or omission of CONSULTANT, its agents, employees or anyone acting under its direction or control or on its behalf in connection with performance of this Contract. The obligations under this Article do not extend to the negligence of COUNTY, its agents, employees or indemnities.

All warranty and indemnification obligations under this Contract survive expiration or termination of the Contract, unless expressly provided otherwise. Any indemnification provision inconsistent with A.R.S. § 34-226 is, in all cases, not void, but will be interpreted and applied as if it were consistent with A.R.S. § 34-226.

Upon request, CONSULTANT may fully indemnify and hold harmless any private property owner granting a right of entry to CONSULTANT for the purpose of completing the project. The obligations under this Article do not extend to the negligence of County, its agents, employees or indemnitee.

#### **ARTICLE 6 – COMPLIANCE WITH LAWS**

CONSULTANT will comply with all applicable federal, state, and local laws, rules, regulations, standards and Executive Orders, without limitation to those designated within this Contract. The laws and regulations of the State of Arizona govern the rights of the Parties, the performance of this Contract, and any disputes hereunder. Any action relating to this Contract will be brought and maintained in Superior Court in Pima County. Any changes in the governing laws, rules, and regulations during the term of this Contract apply, but do not require an amendment.

#### **ARTICLE 7 – STATUS OF CONSULTANT**

The status of CONSULTANT is that of an independent contractor and CONSULTANT is not considered an employee of Pima County and is not entitled to receive any of the fringe benefits associated with regular employment, and will not be subject to the provisions of the merit system. CONSULTANT will be responsible for payment of all Federal, State and Local taxes associated with the compensation received by CONSULTANT from COUNTY. CONSULTANT will be responsible for program development and operation without supervision by COUNTY.

#### **ARTICLE 8 – CONSULTANT'S PERFORMANCE**

CONSULTANT will perform the work in accordance with the terms of the Contract and with the degree of care and skill required of any similarly situated Arizona registrant. CONSULTANT will employ suitably trained and skilled professional personnel to perform all required services under this Contract. Prior to changing any key personnel, especially those key personnel COUNTY relied upon in making this Contract, CONSULTANT will obtain the approval of COUNTY.

CONSULTANT is responsible for the professional quality, technical accuracy, timely completion, and the coordination of all its effort and other services furnished by CONSULTANT under this Agreement. Without additional compensation, CONSULTANT will correct or revise any errors, omissions, or other deficiencies in all products of its efforts and other services provided. This includes resolving any deficiencies arising out of the acts or omissions of CONSULTANT found during or after the course of the services performed by or for CONSULTANT under this Agreement, regardless of COUNTY having knowledge of or condoning or accepting the products or the services. Correction of such deficiencies will be at no cost to COUNTY.

#### **ARTICLE 9 – NON-WAIVER**

The failure of COUNTY to insist in any one or more instances upon full and complete compliance with any of the terms and provisions of this Contract or to take any action permitted as a result thereof is not a waiver or relinquishment of the right to insist upon full and complete performance of the same or any other covenant or condition either in the past or in the future. The acceptance by either party of sums less than may be due and owing it at any time is not an accord and satisfaction.

#### **ARTICLE 10 – SUBCONSULTANT**

CONSULTANT will be fully responsible for all acts and omissions of its SUBCONSULTANT and of persons directly or indirectly employed by SUBCONSULTANT and of persons for whose acts any of them may be liable to the same extent that CONSULTANT is responsible for the acts and omissions of persons directly employed by it. Nothing in this Contract creates any obligation on the part of COUNTY to pay or see to the payment of any money due any SUBCONSULTANT, except as may be required by law.

## **ARTICLE 11 – NON-ASSIGNMENT**

CONSULTANT will not assign its rights to this Contract in whole or in part, without prior written approval of COUNTY. COUNTY may withhold assignment at its sole discretion, provided that COUNTY will not unreasonably withhold such approval.

## **ARTICLE 12 – NON-DISCRIMINATION**

CONSULTANT will comply with all provisions and requirements of Arizona Executive Order 2009-09 which is hereby incorporated into this Contract as if set forth in full herein **including flow down of all provisions and requirements to any SUBCONSULTANTS**. During the performance of this Contract, CONSULTANT will not discriminate against any employee, client or any other individual in any way because of that person's age, race, creed, color, religion, sex, disability or national origin.

## **ARTICLE 13 – AMERICANS WITH DISABILITIES ACT**

CONSULTANT will comply with 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. If CONSULTANT is carrying out government programs or services on behalf of COUNTY, then CONSULTANT will maintain accessibility to the program to the same extent and degree that would be required of COUNTY under 28 CFR Sections 35.130, 35.133, 35.149 through 35.151, 35.160, 35.161 and 35.163. Failure to do so could result in the termination of this Agreement.

## **ARTICLE 14 – CANCELLATION FOR CONFLICT OF INTEREST**

This Contract is subject to the provisions of A.R.S. §38-511 which provides in pertinent part:

"The state, its political subdivisions or any department of either may, within three years after its execution, cancel any contract, without penalty or further obligation, made by the state, its political subdivisions, or any of the departments or agencies of either if any person significantly involved in initiating, negotiating, securing, drafting or creating the contract on behalf of the state, its political subdivisions or any of the departments or agencies of either is, at any time, while the contract or any extension of the contract is in effect, an employee or agent of any other party to the contract in any capacity or a consultant to any other party to the contract with respect to the subject matter of the contract."

## **ARTICLE 15 – TERMINATION OF CONTRACT FOR DEFAULT**

- A. Upon a failure by CONSULTANT to cure a default under this Contract within ten (10) days of receipt of notice from COUNTY of the default, COUNTY may, in its sole discretion, terminate this Contract for default by written notice to CONSULTANT. In this event, COUNTY may take over the work and complete it by Contract or otherwise. CONSULTANT and its sureties, if any, will be liable for any damage to COUNTY resulting from CONSULTANT'S default, including any increased costs incurred by COUNTY in completing the work.
- B. The occurrence of any of the following constitutes an event of default:
1. Abandonment of or refusal or failure to prosecute the work or any separable part thereof with the diligence that will insure completion within the time specified in this Contract, including any extension, or a failure to complete the work (or the separable part of the work) within the specified time;
  2. Persistent or repeated refusal or failure to supply enough properly skilled workers or materials to perform the work on schedule;
  3. Failure to provide competent supervision at the site;
  4. Failure to take down, rebuild, repair, alter or amend any defective or deficient work, or to remove any defective or deficient Material
  5. Failure to make prompt payment to SUBCONSULTANTS or suppliers for material or labor;
  6. Loss of CONSULTANT'S business or other required license or authority, or any curtailment or cessation for any reason of business or business operations that would substantially impair or preclude CONSULTANT'S performance of this Contract;
  7. Disregard of laws, ordinances, or the instructions of COUNTY or its representatives, or any otherwise substantial violation of any provision of the Contract; or

8. If a voluntary or involuntary action for bankruptcy is commenced with respect to CONSULTANT, or CONSULTANT becomes insolvent, makes a general assignment for the benefit of creditors, or has a receiver or liquidator appointed in respect of its assets.
- C. In the event of a termination for default:
1. All finished and unfinished as-builts, shop drawings, documents, data, studies, surveys, drawings, photographs, reports and other information in whatever form, including electronic, acquired or prepared by CONSULTANT for this project become COUNTY'S property and will be delivered to COUNTY not later than five (5) business days after the effective date of the termination; and
  2. COUNTY may withhold payments to CONSULTANT arising under this or any other Contract for the purpose of set-off until such time as the exact amount of damage due COUNTY from CONSULTANT is determined; and
  3. Subject to the immediately preceding subparagraph (2), COUNTY'S liability to CONSULTANT will not exceed the reasonable value of work satisfactorily performed prior to the date of termination for which payment has not been previously made.
- D. The Contract will not be terminated for default nor CONSULTANT charged with damages under this Article, if—
1. Excepting item (8) in paragraph B above, the event of default or delay in completing the work arises from unforeseeable causes beyond the control and without the fault or negligence of CONSULTANT. Examples of such causes include—
    - (i) Acts of God or of the public enemy,
    - (ii) Acts of the COUNTY in either its sovereign or contractual capacity,
    - (iii) Acts of another consultant in the performance of a Contract with the COUNTY,
    - (iv) Fires,
    - (v) Floods,
    - (vi) Epidemics,
    - (vii) Quarantine restrictions,
    - (viii) Strikes,
    - (ix) Freight embargoes,
    - (x) Unusually severe weather, or
    - (xi) Delays of SUBCONSULTANTS or suppliers at any tier arising from unforeseeable causes beyond the control and without the fault or negligence of both CONSULTANT and the SUBCONSULTANTS or suppliers; and
  2. CONSULTANT, within three (3) days from the beginning of any event of default or delay (unless extended by COUNTY), notifies COUNTY in writing of the cause(s) therefor. In this circumstance, COUNTY will ascertain the facts and the extent of the resulting delay. If, in the judgment of COUNTY, the findings warrant such action, the time for completing the work may be extended.
- E. For the purposes of paragraph A above, "receipt of notice" includes receipt by hand by CONSULTANT'S onsite project manager, facsimile transmission, or under the Notices clause of this Contract.
- F. If, after termination of the Contract for default, it is determined that the CONSULTANT was not in default, or that the delay was excusable, the rights and obligations of the Parties will be the same as if the termination had been issued for the convenience of the COUNTY.
- G. The rights and remedies of COUNTY in this Article are cumulative and in addition to any other rights and remedies provided by law or under this Contract.

**ARTICLE 16 – TERMINATION FOR CONVENIENCE OF COUNTY**

COUNTY may terminate this Contract at any time by giving written notice to CONSULTANT of such termination and specifying the effective date thereof, at least fifteen (15) days before the effective date of such termination. In that event, all finished or unfinished documents and other materials will, at the option of COUNTY, become its property. If COUNTY terminates the Contract as provided herein, COUNTY will pay CONSULTANT an amount based on the time and expenses incurred by CONSULTANT prior to the termination date. However, COUNTY will make no payment for anticipated profit on unperformed services.



**ARTICLE 17 – NON-APPROPRIATION OF FUNDS**

Notwithstanding any other provision in this Contract, COUNTY may terminate this Contract if for any reason the Pima County Board of Supervisors does not appropriate sufficient monies for the purpose of maintaining this Contract. In the event of such termination, COUNTY has no further obligation to CONSULTANT, other than payment for services rendered prior to termination.

**ARTICLE 18 – NOTICES**

Any notice required or permitted to be given under this Contract will be in writing and will be served by delivery or by certified mail upon the other Party as follows:

**COUNTY:**

Bob Roggenthen, PE, Project Manager  
Department of Transportation Traffic Engineering  
Building # 9  
1313 S. Mission Road  
Tucson, AZ 85713  
(520) 724-2357

**CONSULTANT:**

Jody Rodriguez, PE, Project Manager  
AECOM Technical Services, Inc.  
333 E. Wetmore Road, Ste. 400  
Tucson, AZ 85705  
(520) 887-1800  
Fax: (520) 887-8438

**ARTICLE 19 – OTHER DOCUMENTS**

CONSULTANT and COUNTY in entering into this Contract have relied upon information provided in CONSULTANT'S response to a request for fee proposal. These documents are hereby incorporated into and made a part of this Contract as if set forth in full herein, to the extent not inconsistent with the provisions of this Contract. CONSULTANT will perform services in accordance with the terms of the Contract and at a level of care consistent with prevailing industry standards. In the event any provision of this Contract is inconsistent with those of any other document, the Contract provisions will prevail.

**ARTICLE 20 – REMEDIES**

Either party may pursue any remedies provided by law for the breach of this Contract, provided, however, that the procedures in ARTICLE 24 are first exhausted. No right or remedy is intended to be exclusive of any other right or remedy and each is cumulative and in addition to any other right or remedy existing at law or at equity or by virtue of this Contract.

**ARTICLE 21 – SEVERABILITY**

Each provision of this Contract stands alone, and any provision of this Contract found to be prohibited by law is ineffective to the extent of such prohibition without invalidating the remainder of this Contract.

**ARTICLE 22 – BOOKS AND RECORDS**

CONSULTANT will keep and maintain proper and complete books, records and accounts, which will be open at all reasonable times for inspection and audit by duly authorized representatives of COUNTY.

CONSULTANT will retain all records relating to this Contract at least five (5) years after its termination or cancellation or until any related pending proceeding or litigation has been closed, if later. Alternatively, CONSULTANT may, at its option, deliver such records to COUNTY for retention.

**ARTICLE 23 – DELAYS**

Neither Party hereto is in default in the performance of its obligations hereunder to the extent that the performance of any such obligation is prevented or delayed by any cause, existing or future, which is beyond the reasonable control of such Party.

## **ARTICLE 24 – DISPUTES**

In the event of a dispute between COUNTY and CONSULTANT regarding any part of this Contract or the Parties' obligations or performance hereunder, either Party may request a special meeting between their respective representatives to resolve the dispute. If the dispute remains unresolved, then either Party may request escalation of the issue to a meeting between the Director of the Pima County Department administering this Contract and CONSULTANT'S counterpart official, such meeting to be held within one week of the request, unless otherwise agreed. If the dispute is still not resolved after that meeting, then either Party may pursue such remedy or remedies as may be available to them under the laws of the State of Arizona.

The Parties will continue performance of their respective obligations under this Contract notwithstanding the existence of any dispute.

## **ARTICLE 25 – OWNERSHIP OF DOCUMENTS**

All original drawings, field data, estimates, field notes, plans, specifications, documents, reports, calculations; and other information developed by CONSULTANT under this Contract vest in and become the property of COUNTY and will be delivered to COUNTY upon completion or termination of the services, but CONSULTANT may retain and use copies thereof. COUNTY agrees that the material will not be used for any project other than the project for which it was designed without the express permission of CONSULTANT.

## **ARTICLE 26 – PUBLIC INFORMATION**

Pursuant to A.R.S. § 39-121 et seq., and A.R.S. §§ 34-603(H), 604(H), in the case of construction or Architectural and Engineering services procured under A.R.S. Title 34, Chapter 6, all information submitted by CONSULTANT in any way related to this Contract, including, but not limited to, pricing, product specifications, work plans, and any supporting data becomes public information and upon request, is subject to release and/or review by the general public including competitors.

Any information submitted related to this Contract that CONSULTANT believes constitutes proprietary, trade secret or otherwise confidential information must be appropriately and prominently marked as CONFIDENTIAL prior to submittal to COUNTY and be accompanied by an index specifically identifying and describing the general contents of each page so marked. The index is a Public Record and should not include any information considered confidential.

Notwithstanding the above provisions, in the event records marked CONFIDENTIAL are requested for public release pursuant to A.R.S. § 39-121 et seq., COUNTY will release records marked CONFIDENTIAL ten (10) business days after the date of notice to CONSULTANT of the request for release, unless CONSULTANT has, within the ten (10) day period, secured a protective order, injunctive relief or other appropriate order from a court of competent jurisdiction, enjoining the release of the records. For the purposes of this paragraph, the day of the request for release is not counted in the time calculation. CONSULTANT will be notified of any request for such release on the same day of the request for public release or as soon thereafter as practicable.

COUNTY will not, under any circumstances, be responsible for securing a protective order or other relief enjoining the release of records marked CONFIDENTIAL, nor will COUNTY be in any way financially responsible for any costs associated with securing such an order.

## **ARTICLE 27 – LEGAL ARIZONA WORKERS ACT COMPLIANCE**

CONSULTANT hereby warrants that it will at all times during the term of this Contract comply with all federal immigration laws applicable to CONSULTANT'S employment of its employees, and with the requirements of A.R.S. § 23-214 (A) (together the "State and Federal Immigration Laws"). CONSULTANT will further ensure that each SUBCONSULTANT who performs any work for CONSULTANT under this Contract likewise complies with the State and Federal Immigration Laws.

COUNTY has the right at any time to inspect the books and records of CONSULTANT and any SUBCONSULTANT in order to verify such party's compliance with the State and Federal Immigration Laws.

Any breach of CONSULTANT'S or any SUBCONSULTANT'S warranty of compliance with the State and Federal Immigration Laws, or of any other provision of this section, is a material breach of this Contract subjecting CONSULTANT to penalties up to and including suspension or termination of this Contract. If the breach is by a SUBCONSULTANT, and the subcontract is suspended or terminated as a result, CONSULTANT will take such steps as may be necessary to either self-perform the services that would have been provided under the subcontract or to retain a replacement SUBCONSULTANT (subject to COUNTY approval if SBE or DBE preferences apply), as soon as possible so as not to delay project completion.

CONSULTANT will advise each SUBCONSULTANT of COUNTY'S rights, and the SUBCONSULTANT'S obligations, under this Article by including a provision in each subcontract substantially in the following form:

"SUBCONSULTANT hereby warrants that it will at all times during the term of this Contract comply with all federal immigration laws applicable to SUBCONSULTANT'S employees, and with the requirements of A.R.S. § 23-214 (A). SUBCONSULTANT further agrees that COUNTY may inspect the SUBCONSULTANT'S books and records to insure that SUBCONSULTANT is in compliance with these requirements. Any breach of this paragraph by SUBCONSULTANT is a material breach of this Contract subjecting SUBCONSULTANT to penalties up to and including suspension or termination of this Contract."

Any additional costs attributable directly or indirectly to remedial action under this Article are the responsibility of CONSULTANT. In the event that remedial action under this Article results in delay to one or more tasks on the critical path of CONSULTANT'S approved construction or critical milestones schedule, such period of delay will be excusable delay for which CONSULTANT is entitled to an extension of time, but not costs.

**ARTICLE 28 – ISRAEL BOYCOTT CERTIFICATION**

CONSULTANT hereby certifies that it is not currently engaged in, and will not for the duration of this Contract engage in, a boycott of Israel as defined by A.R.S. § 35-393.01. Violation of this certification by CONSULTANT may result in action by the County up to and including termination of this Contract.

***The remainder of the page intentionally left blank.***

**ARTICLE 29 – ENTIRE AGREEMENT**

This document constitutes the entire agreement between the Parties pertaining to the subject matter hereof, and all prior or contemporaneous agreements and understandings, oral or written, are hereby superseded and merged herein. This Contract may be modified, amended, altered or extended only by a written Amendment signed by the Parties.

IN WITNESS WHEREOF, the Parties have affixed their signatures to this Contract on the dates written below.

APPROVED:

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

\_\_\_\_\_  
Date

CONSULTANT:

\_\_\_\_\_  
Signature 


Randy Simpson, Vice President  
Name and Title (Please Print)

2/10/2017  
Date

ATTEST:

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

APPROVED AS TO FORM:

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

**ANDREW FLAGG**  
\_\_\_\_\_  
Name (Please Print)

2/3/2017  
Date

## EXHIBIT A: SCOPE OF WORK (18 pages)

### Design Engineering Services for Bopp Road – Sarasota Boulevard at Kinney Road Improvements (4KINBO)

During the term of this Agreement, the engineering consultant, **AECOM**, (CONSULTANT) shall perform professional services for Pima County (County) in connection with the above referenced project. This scoping document shall be used to plan, conduct, and complete the CONSULTANT's work on the project. Each subconsultant has included their respective scope of work for their respective tasks.

#### I. BACKGROUND

The existing intersection of Bopp Road (Rd.) and Kinney Rd. is functionally obsolete and needs improvements to accommodate current and future travel demands safely. Current travel demands on Bopp Rd. are causing operational issues at the intersection with Kinney Rd. Traffic is using Donald Avenue as a cut-through route to avoid the existing intersection at Bopp Rd. and Kinney Rd. Improved access to and from Kinney Rd. is needed for traffic on Bopp Rd. The improvements are necessary to reduce the number and severity crashes and to provide capacity for current and future travel demands. The proposed improvements will result in increased safety and better traffic operations. The project will be developed with DOT 57 HURF Bond funds. The project will be constructed with a combination of federal STP funding and DOT 57 HURF Bond funds and funding from Southwest (SW) Area Impact fees. Because the project will be using federal funds for construction, the project is being coordinated with the Arizona Department of Transportation (ADOT).

#### II. PROJECT DESCRIPTION

This project consists of realigning Bopp Rd. from where it currently connects with Kinney Rd. to where it will connect with the southerly extension of Sarasota Boulevard (Blvd.) Realigning Bopp Rd. with Sarasota Blvd. will create a four-way intersection at Kinney Rd. and Sarasota Blvd. This will improve traffic safety and operations. The existing intersection of Bopp Rd. and Kinney Rd. will be eliminated. The design activities include: roadway; structures; drainage; utility location and relocation coordination; survey; right-of-way documentation; traffic analysis for the traffic signal; signing and pavement marking; geotechnical investigations for pavement design; and National Environmental Policy Act (NEPA) environmental documentation.

The scope of work for this project includes the CONSULTANT providing:

- **Preliminary Planning and Engineering.** This work includes conducting investigations and developing the technical reports and preliminary design (Stage II & III) needed to produce a Project Assessment (PA) and NEPA Document (Categorical Exclusion (CE)). The work also includes the development of design documents addressing issues such as alignment, channelization, drainage, right-of-way, minor structures, and a cost estimate.
- **Final Engineering Phase.** (Stages III thru V as referenced in the Pima County Roadway Design Manual) involves developing the Plans, Specifications & Estimate (PS&E) documents for construction.
- **Post-Design Construction Phase Services.** This task includes responding to questions or providing clarification during the advertisement process. This task does not include time for reviewing submittals, shop drawings and developing as-built drawings. Reviewing submittals, shop drawings and developing as-built drawings will be completed by contract modification.
- **Additional Services.** Any unforeseen additional scope tasks that arise throughout the project duration will be completed by contract modification.

### **III. DESIGN CRITERIA**

The design criteria will comply with Pima County Roadway Design Manual (RDM), 2013 fourth edition and relevant updates. The specifications are to be consistent with the Pima Association of Governments (PAG) Standard Specifications for Public Improvements, Volume I, 2015 edition and relevant updates. These specifications are consistent with ADOT standards. The American Association of State Highway and Transportation Officials (AASHTO) design standards are to be used for the design of the roadway. The proposed requirements will meet the requirements of the American with Disabilities Act (ADA).

The assumed design speed of Kinney Rd. = 50 mph (posted at 45 mph).

The assumed design speed of Bopp Rd./Sarasota Blvd. = 50 mph (posted at 45 mph).

The assumed design speed of Sarasota Blvd. (East of Kinney Rd.) = 40 mph (posted at 35 mph).

### **IV. PROJECT SCHEDULE**

The scoping of the project is based on a 14-month design schedule.

### **V. ITEMS AND SERVICES TO BE FURNISHED BY THE COUNTY**

- Public Participation Services described under Task 3.4.
- Survey tasks described under Task 3.10.

### **VI. ABBREVIATIONS**

The following abbreviations may be referred to throughout this scope of work:

AASHTO	American Association of State Highway and Transportation Officials
ADEQ	Arizona Department of Environmental Quality
ADOT	Arizona Department of Transportation
AGFD	Arizona Game and Fish Department
Corps	U.S. Army Corps of Engineers
County	Pima County
EAMR	Environmental Assessment and Mitigation Report
EA	Environmental Assessment
EPG	Environmental Planning Group
ESA	Endangered Species Act
ESR	Environmentally Sensitive Roadway
FEMA	Federal Emergency Management Agency
FHWA	Federal Highway Administration
GIS	Geographic Information System
LOS	Level-of-service
Manual	2013 Pima County Department of Transportation Roadway Design Manual
MSHCP	Multi-species Habitat Conservation Plan
NEPA	National Environmental Policy Act
NPDES	National Pollutant Discharge Elimination System
PAG	Pima Association of Governments
PCDOT	Pima County Department of Transportation
PCRWRD	Pima County Regional Wastewater Reclamation Department
PLSS	Public Land Survey System
PS&E	Plans, Specifications, and Estimates
RDM	Roadway Design Manual
REC	Recognized Environmental Condition
ROE	Right-of-Entry
SDCP	Sonoran Desert Conservation Plan
SOQ	Pima County Department of Transportation Solicitation Number

R/W	Right-of-way
TDM	Transportation Demand Management
USFWS	U.S. Fish and Wildlife Service

## **VII. PROJECT DOCUMENTATION**

The documents listed as "**Deliverables**" under the Work Tasks, Section VIII of this scope of work, and other exhibits or presentations for the work covered by this AGREEMENT and associated supplements, if necessary, will be furnished by the CONSULTANT to the County upon completion of the various tasks of work. Whether the documents are submitted in electronic media or in tangible format, any use of the materials on another project or on extensions of this project beyond the use for which they were intended, or any modification of the materials or conversion of the materials to an alternate system or format will be without liability or legal exposure to the CONSULTANT. The County will assume all risks associated with such use, modifications, or conversions. If the County uses materials other than how they were intended, then the CONSULTANT may remove from the electronic materials delivered to the County, all references to the CONSULTANT's involvement and will retain a tangible copy of the materials delivered to the County, which will govern the interpretation of the materials and the information recorded. Electronic files are considered working files only; the CONSULTANT is not required to maintain electronic files beyond 90 days after the project final billing and makes no warranty as to the viability of electronic files beyond 90 days from date of transmittal.

## **VIII. WORK TASKS**

### **General Assumptions:**

- 1. The level of effort for each phase and work task is limited to the amount of labor and expenses indicated in the attached Project Budget spreadsheet. Costs are itemized to aid in project tracking purposes only. The budget may be transferred between tasks, provided the total contracted amount is not exceeded. Additional services beyond these limits will be considered Extra Work.*
- 2. The PROJECT duration is anticipated to be 14 months from the notice to proceed (NTP) date. The CONSULTANT is responsible for meeting deadlines for their and their subconsultants' tasks only.*
- 3. The analyses, design, plans, specifications, and estimate performed or prepared as part of the PROJECT will be in English units. Metric units will not be used on this PROJECT.*
- 4. The plans will be prepared in accordance with Pima County design practices and standards as identified on the Pima County DOT website.*
- 5. Design plans shall be developed using Microstation Version 8 (V8i) and PCDOT CAD drafting standards. Final plan submittals shall be in electronic (V8i) and hardcopy format.*
- 6. Survey file submittals (monumentation, horizontal and vertical control, right-of-way plans) shall be in AutoCad 2002 or AutoCad 2005 format and Microstation Version 8 (V8i).*
- 7. Originals of all project deliverables will be delivered to the County.*
- 8. Meeting summaries will be distributed electronically. Hard copies will not be provided.*
- 9. Unless specified within individual tasks, original and 5 copies of each report will be submitted to the County along with an electronic document.*
- 10. All processes and deliverables shall conform to the Pima County RDM and this scope of work.*

The following tasks are organized and numbered to coincide as closely as possible with Chapter 3, *Design Process*, identified in the 2013 Pima County RDM.

### TASK 3.1 PROJECT MANAGEMENT

**Task 3.1.1. Project Management.** Develop project design by coordinating design efforts. The anticipated management activities are as follows:

- a. Project setup in accordance with our quality management system requirements.
- b. Management resources for a 14-month period.
- c. Coordinate with all stakeholders through all means necessary, including but not limited to, phone, electronically, paper, face-to-face, etc.
- d. Ensure that project team members are communicating and cooperating on project tasks.
- e. Generate and regularly update a project contact list.
- f. Establish and keep updated correspondence files for all correspondence, including electronic, phone, paper, etc.
- g. Access on a weekly basis the percent complete as measured against the work remaining for each task.
- h. Preparation of monthly invoices

### TASK 3.2 QUALITY CONTROL

**Assumptions:**

1. Attendance by CONSULTANT at meetings will generally be the Project Manager and one engineering/technical staff. Other team members will attend as required.
2. For estimating purposes, it is assumed that meetings described in Task 3.2.2 will have the following durations, including preparation time, travel, preparation of meeting summaries, revisions to meeting summaries with County/stakeholder corrections, and distribution of the meeting summaries:
  - 1 kickoff / project overview meeting (2 hours (ea) + 1 hour (PM) prep/mtg summary)
  - 1 project field meeting (4hrs)
  - 6 bi-monthly progress meetings (2 hours (ea) + 1 hour (PM) prep/mtg summary)
  - 3 Stage submittal review comment/OTS meetings (at Stage II, Stage III, Stage IV) (4 hours each)
3. The CONSULTANT will be responsible for preparing graphics, handouts, and making arrangements for meetings and for preparing meeting summaries.
4. The CONSULTANT will perform bi-monthly schedule updates prior to the progress meetings.
5. CONSULTANT's hours for performing quality control shall be billed toward the specific tasks.

**Task 3.2.1. Quality Control Plan.** Develop a project-specific quality control plan that identifies responsible personnel, technical review, checking procedures, and monitoring process that will be submitted within 15 days of notice to proceed. The process shall follow the tenets of the PCDOT Interactive Project Development Process. With each major submittal, a verification of quality control shall be provided.

**Deliverables:**

- Project-Specific Quality Control Plan.
- Verification of quality control shall be provided with each major submittal.
- Responses to all review comments.



**Task 3.2.2. Meetings and Communication.** This task involves coordinating meeting times, inviting meeting participants, preparing exhibits for meetings, creating an agenda, facilitating meetings, and providing a meeting summary for all meetings. The anticipated design team meetings and activities are as follows:

- a. Conduct kickoff meeting with the project team (1 total).
- b. Attend project field meeting (1 total).
- c. Conduct bi-monthly progress meetings with the project team (6 total).
- d. Conduct over-the-shoulder (OTS) review meetings with County reviewers after major submittals to review and resolve comments on each submittal (3 total).

**Deliverables:**

- Meeting agendas and displays.
- Meeting summaries as required.
- Responses to all formal review comments.

**Task 3.2.3. Schedule.** Create a project schedule to prepare the environmental documentation for the environmental clearance; survey, roadway, drainage, and utility tasks; agency coordination; right-of-way clearance; and final construction documents within 15 days of NTP. The project schedule will be updated bi-monthly.

**Deliverables:**

- Original schedule.
- Bi-Monthly schedule updates.
- Responses to all review comments.

### **TASK 3.3 UTILITY COORDINATION**

**Assumptions:**

1. *The PCDOT Project Manager will attend the PCDOT monthly Utility Coordination meetings on an as-needed basis. The CONSULTANT is NOT required to attend these meetings.*
2. *Data collected will be consistent with the level of information needed to designate, locate, and map all utilities.*
3. *PCDOT will supply the CONSULTANT with the previously requested as-builts from all utilities present. Additional research may be required by the CONSULTANT to verify and supplement the utility base maps.*
4. *Resources to gather data for utilities is being provided under Task 3.3.1., not Task 3.7.1.*
5. *Resources for surveying Blue Stake information are provided in Task 3.10.1.*
6. *Subsurface utility investigations will be performed on an as-needed basis; which will be determined near Stage III design and completed by contract modification.*
7. *Potholing of utilities will be done at Stage III and completed by contract modification.*
8. *Water and sewer modification plans are not included in this scope of work.*
9. *It is assumed that Utility Relocation Plans are NOT required for this project. The utility impacts and relocations will be included in the Roadway Paving Plans.*
10. *Consultant shall follow Pima County Ordinance 2008-72, Regulations for the Use of the Public Right-of-Way.*
11. *It is assumed that this project will NOT require a Utility Results of Survey that the Utility Companies will be required to verify.*

**Task 3.3.1. Utility Base File Creation.** The CONSULTANT will compile the as-built plans provided by PCDOT and the Utility Companies and present them in a single utility base file for use during design.

**Task 3.3.2. Data Gathering, Preliminary Design Notifications, As-Built Requests.** PCDOT will perform the initial design notifications to the utility companies. The CONSULTANT will request as-builts and gather any further utility information required to develop the necessary existing utility base file.

The CONSULTANT will request each underground utility mark its facilities within the project limits so that their approximate horizontal position, previously established from as-builts, can be verified/refined within the previously established utility base file.

**Task 3.3.3. Design Coordination, Utility Impact Identification.** The CONSULTANT will monitor the project's design for utility impacts; distribute progress design drawings to utilities for review and identification of utility impacts; and maintain a List of Utility Impacts to be made available to the County upon request. The CONSULTANT will update the County as necessary on the status of utility activities. Design Plans will be provided to all known utilities for their review and comments. Resources are also being provided in this task for the Project Manager and Engineer/Utility Coordinator to attend up to twelve (6) individual meetings (1 per franchise, 6 franchises, 2 hours per meeting) plus correspondences with all utilities.

**Task 3.3.4. Utility Mitigation Measures.** The CONSULTANT will initiate, coordinate and facilitate utility impact meetings with County, utility and appropriate team members to develop mitigation measures acceptable to the County that will be depicted in the Final Design. The CONSULTANT will update utilities as to the status of all utility impacts and mitigation measures. The CONSULTANT will compile a List of Utility Impacts and Approved Mitigation Measures and present them in a Relocation Report/Memo/Tracking Log that will be maintained throughout the design.

**Task 3.3.5. Quality Control Review.** The CONSULTANT will provide quality control reviews of the deliverables listed below. The CONSULTANT PM will provide for review time of each deliverable.

**Deliverables:**

- Plans for distribution to utilities.
- Meeting minutes prepared, distributed to project team, and revised as needed.
- Utility Impact and Mitigation Log.
- Responses to all review comments.

**TASK 3.4 PUBLIC PARTICIPATION**

PCDOT will lead the Public Participation on the project with support from the design team as-needed.

**Assumptions:**

1. Pima County will lead all public participation activities.
2. Pima County will take the lead in organizing, staffing and preparing for all public meetings.
3. No CAC will be formed for this project.
4. No HOA meetings will be required for this project.
5. For estimating purposes, it is assumed that approximately 12 hours will be required for the CONSULTANT PM and staff to prepare for and attend 1 public information update meeting.
6. The CONSULTANT will attend 2 prep meetings for the 1 open house meeting.
7. PCDOT staff will attend and produce meeting summaries of the public meeting.
8. Pima County will reproduce and distribute public meeting notices, surveys, and newsletters, including the mailing lists, handling, and postage.
9. Pima County will place and pay for public notification advertisements and reproduce and mail surveys.
10. PCDOT will coordinate meeting dates, times, locations, and set-up for all public meetings including rental of all meeting facilities and providing insurance.

11. PCDOT will place ad announcements in the local newspapers.
12. PCDOT will develop a project web site and will post public notices and other information provided by the consultant.
13. PCDOT will distribute news releases to appropriate media.
14. PCDOT will distribute government official notifications.
15. PCDOT will be the primary contact for community inquiries and concerns.
16. PCDOT will establish and control the web site for the project.

**Task 3.4.1. Public Meetings.** The CONSULTANT PM and discipline leads will attend up to one (1) open house public meeting as well as two (2)-open house prep meetings.

**Task 3.4.2. One-on-One Property Owner Meetings.** The CONSULTANT will prepare for and attend up to four (4) property owner meetings during the Design process.

**Task 3.4.3. Quality Control Review.** The CONSULTANT will provide quality control reviews of all the deliverables listed in Task 3.4.

**Deliverables:**

- Displays as needed.
- Property Owner meeting minutes

**TASK 3.5 FEDERAL, STATE AND LOCAL COORDINATION**

**Task 3.5.1. Coordinate Between Participating Agencies.** The CONSULTANT will coordinate and attend up to three (3) Clean Water Act Section 404 meetings (3 hours/meeting assumed including preparation time). The first meeting with Pima County is to review the Jurisdictional Delineation Report and permitting approach, the second meeting with Pima County is to review the draft permit package, and, as needed, a third meeting with Pima County and the U.S. Army Corps of Engineers to discuss the permit package.

The CONSULTANT will assist in coordinating and attend up to two (2) meetings (2 hours/meeting + 1 hour preparation) with ADOT or FHWA.

**Deliverables:**

- Display materials as needed.
- Meeting Agenda, Sign-in Sheet, and meeting minutes, distributed to meeting participants, and revised as needed.
- Record of communication that documents all coordination efforts.
- Responses to all review comments.

**TASK 3.6 PUBLIC ART**

**Assumptions:**

1. No public art is anticipated for this scope.

**TASK 3.7 DATA GATHERING**

**Task 3.7.1. Gather Existing Information.** The CONSULTANT will review previous reports and information established by the Pima County project 4KRAWB.

**Task 3.7.2. Site Visits During Project Design.** The CONSULTANT will visit the site as required to obtain necessary design information.

**Task 3.7.3. Quality Control Review.** The CONSULTANT will provide quality control reviews of the deliverables listed below.

**Deliverables:**

- Data incorporated into the Design Plans and reports.

**TASK 3.8 ENVIRONMENTAL IMPACT SCREENING**

**Assumptions:**

1. *An Environmental Impact Screening is not anticipated for this project.*

**TASK 3.9 LOCATION REPORT**

**Assumptions:**

1. *A Location Report is not required for this project.*

**TASK 3.10 SURVEY AND MAPPING**

The COUNTY will be performing the survey tasks on the project. The CONSULTANT will coordinate, assist and supply the COUNTY previous CADD and Survey files from previous projects, in order to establish the base files for this project.

**Task 3.10.1. Initial Planning and Reconnaissance.** The COUNTY shall be responsible for performing the survey activities in accordance with the 2013 RDM using NAD 83 as the horizontal datum, and NAVD 88 for the vertical datum. The CONSULTANT will coordinate and arrange a Survey Coordination Meeting with the Pima County Project Manager and Pima County Survey Section to determine project-specific survey approaches and details. The CONSULTANT shall work with Pima County Survey to obtain survey data. The CONSULTANT shall work with Pima County Real Property staff to obtain right-of-way and easement acquisitions, if needed.

**Task 3.10.2. Horizontal Control & Vertical Traverse.** The COUNTY will establish the horizontal and vertical control for the project.

**Task 3.10.3. Results of Survey Drawing.** The CONSULTANT will create and submit the Results of Survey Drawing, representing the determined existing conditions and project control, based on COUNTY supplied survey.

**Task 3.10.4. Survey Report.** The CONSULTANT will create and submit the Survey Report, which documents research, control work, calculations, and other related items with guidance from the COUNTY.

**Task 3.10.5. Aerial Mapping.** The CONSULTANT will utilize aerial mapping provided by the COUNTY.

**Task 3.10.6. Utility Surveys.** As-needed, the COUNTY will locate underground utilities as marked by others. Blue Staking and other utility features will be located during the culture survey. Coordination for underground utilities is included in Task 3.3. The CONSULTANT will plot all utility easement docket provided by utility companies for land easement or ownership for the purpose of documenting them and demonstrating prior rights locations on the right-of-way plans.

**Task 3.10.7. Culture Surveys.** The COUNTY will locate existing cultural features such as; fences, mail boxes, culvert and manhole inverts, drainage features and flows, boring locations, and match-in locations. The work will include downloading and converting field results to CAD (.dgn) format. The CONSULTANT will provide and coordinate the required match-in locations to be surveyed.

**Task 3.10.8. Right-of-Way Surveys.** The COUNTY will perform any necessary miscellaneous right-of-way

surveys. The CONSULTANT will assist in establishing the miscellaneous right-of-way needs.

**Task 3.10.9. Quality Control Review of Survey and Mapping.** The CONSULTANT will provide quality control reviews of the Survey and Mapping deliverables listed below.

**Deliverables:**

- Responses to all review comments
- Results of Survey Drawing
- Survey Report
- Aerial Mapping and DTM
- Updates to base files

**TASK 3.11 DRAINAGE REPORT**

SCE will be performing the Drainage tasks on the project. Refer to SCE's scope of work for further scoping information on this Task.

**Assumptions:**

1. The COUNTY will field survey drainage ways under Task 3.10.7.
2. A hydrologic analysis and design will be performed for the proposed roadway alignment. No evaluation of the existing alignment will be made except where it impacts the proposed roadway. The hydrologic/hydraulic evaluation of the existing roadway prepared by Entranco for Pima County Regional Flood Control District and documented in "Preliminary Drainage Report, Sections 1-3", March 21, 2002 is assumed to adequately document the drainage condition at the existing roadway.
3. Hydrologic analyses for off-site flows impacting Kinney Rd. will be conducted using FLO-2D rainfall and infiltration model for larger watersheds. It is assumed there are three large watersheds based on information contained in the Preliminary Drainage Report for Kinney Rd., Ajo Way to Sarasota Blvd., dated March 2002. The PC-Hydro will be used for on-site watersheds and smaller off-site watersheds. The threshold signifying a large watershed is assumed to be 100 acres.
4. PAG data will be used for developing the digital terrain model information for the FLO-2D.
5. No storm drain design for pavement drainage is required.

**Task 3.11.1. Review Existing Plans and Reports.** SCE will gather the available existing data from plans, reports, PAG Data, as well as perform field reviews in order to adequately prepare for the necessary drainage design and report preparation tasks. SCE will photograph and document the condition of existing culverts under Kinney Rd., Bopp Rd. and Sarasota Blvd. within the project limits. Further scoping is defined within SCE's scope of work.

**Task 3.11.2. Peak Discharge Determination.** SCE will prepare a drainage map showing watercourses and associated drainage areas for drainage crossing the new roadway. Further scoping is defined within SCE's scope of work.

**Task 3.11.3. Hydraulic Conditions.** SCE will evaluate the existing and proposed water surface elevations and flood limits for the watersheds adjacent to the proposed roadway improvements. Further scoping is defined within SCE's scope of work.

**Task 3.11.4. Off-Site Ditches, and Cross Culvert Calculations.** No storm drain analysis or design is anticipated. Mannings equation will be used to size roadside ditches to convey combined pavement and offsite flow. The FHWA HY-8 program will be used to size all of the culverts except at Watershed 8. Further scoping is defined within SCE's scope of work.

**Task 3.11.5. Drainage Reports.** SCE will prepare an Initial Drainage Report at the Stage I/II Submittal covering Sections 1 through 3 as described in Section 3.11 of the Pima County Roadway Design Manual. The Initial Drainage Report will only address changes to Sections 1 through 3 since no storm drain/storm drain design is anticipated for this project. The Final Drainage Report submitted with the Stage IV plans will incorporate any comments/revisions from the reviews into a Final Sealed Drainage Report.

**Task 3.11.6. Quality Control Review.** SCE will provide quality control reviews of the drainage report for each submittal. The CONSULTANT will provide quality assurance reviews for each submittal. Further scoping is defined within SCE's scope of work.

**Deliverables:**

- Initial Drainage Report
- Final Sealed Drainage Report
- Responses to all review comments

**TASK 3.12 GEOTECHNICAL INVESTIGATION**

Golder will be performing the Geotechnical tasks on the project. Refer to Golder's scope of work for further scoping information on this Task.

**Task 3.12.1. Geotechnical Investigations.** Golder will perform the necessary field geotechnical investigations for the project. The COUNTY will perform the necessary test pit surveys. Further scoping is defined within Golder's scope of work.

**Task 3.12.2. Geotechnical Memorandum.** Golder will prepare a geotechnical memorandum documenting the investigation findings and recommendations as described in Section 3.12 of the RDM.

**Draft/Final Geotechnical Memorandum.** Golder will respond to any comments arising from the Draft memorandum submittal and will then prepare the draft/final geotechnical memorandum (will also include the pavement design recommendations) prior to the Stage II/III plan submittal.

**Final Geotechnical Memorandum.** Golder will respond to any comments arising from the Draft/Final memorandum submittal and will then prepare the final geotechnical memorandum (will also include the pavement design recommendations) coinciding with the Stage IV plan submittal.

**Task 3.12.3. Quality Control Review.** Golder will provide quality control reviews of the geotechnical report for each submittal. The CONSULTANT will provide quality assurance reviews for each submittal.

**Deliverables:**

- Draft Geotechnical Memorandum
- Draft/Final Geotechnical Memorandum
- Final Geotechnical Memorandum
- Responses to all review comments.

**TASK 3.13 PAVEMENT DESIGN REPORT**

Golder will be performing the Pavement Design tasks on the project. Refer to Golder's scope of work for further scoping information on this Task.

**Task 3.13.1. Pavement Design Summary.** Golder will produce the pavement design summary for the project as described in Section 3.13 of the RDM. Further scoping is defined within Golder's scope of work.

**Draft Pavement Design Summary.** Golder will prepare a draft pavement design summary that will be included in the draft/final geotechnical memorandum.

**Final Pavement Design Summary.** Golder will respond to any comments arising from the draft pavement design summary and will then prepare the final pavement design summary to be included in the final geotechnical memorandum.

**Task 3.13.2. Quality Control Review.** Golder will provide quality control reviews of the pavement design summary report for each submittal. The CONSULTANT will provide quality assurance reviews for each submittal.

**Deliverables:**

- Draft and Final Pavement Design Summary
- Responses to all review comments.

**TASK 3.14 BRIDGE STRUCTURE SELECTION REPORT**

**Assumptions:**

1. A Bridge SS Report is not required for this project.

**TASK 3.15 TRAFFIC ENGINEERING STUDY**

**Assumptions:**

1. A Traffic Engineering Technical Memorandum will be produced to assist in the roadway design parameters, such as channelization requirements and turn bay storage lengths.

**Task 3.15.1. Traffic Engineering Technical Memorandum.** The CONSULTANT will prepare a technical memorandum that includes the following:

**Existing Conditions.** The CONSULTANT will prepare an inventory of existing traffic features in the study area. The CONSULTANT will acquire daily traffic volumes and peak hour turning movements at the existing intersections with locations detailed below:

- 48-Hour Tube Counts (including vehicle type classification)
  - Kinney Rd. northwest of Sarasota Blvd.
  - Kinney Rd. southeast of Bopp Rd.
  - Sarasota Blvd. northeast of Kinney Rd.
  - Bopp Rd. west of Kinney Rd.
- AM and PM Peak Period Turning Movement Volumes (2-hours each period)
  - Intersection of Kinney Rd. and Sarasota Blvd.
  - Intersection of Kinney Rd. and Bopp Rd.

A baseline LOS analysis will be completed for the existing conditions using HCM methodology and the Synchro 8.0 software package.

**Future Conditions.** The CONSULTANT will estimate future traffic volumes and turning movements at the study location for the build scenario in the opening year and in the build-out year 2040. Estimates will be based upon existing traffic counts and regional traffic projections obtained from PAG. Recent studies completed by the County will be used to verify future traffic projections. A signal warrant analysis will be completed for the opening year of the project, as advised by the County.

**Proposed Improvements.** The CONSULTANT will complete a LOS analysis using HCM methodologies and the Synchro 8.0 software package. The results of the analysis will be used to propose an intersection configuration, including turn bay storage lengths and channelization requirements, at the study location for both the opening year and the final build-out year (2040) such that adequate LOS (as advised by the County) is achieved at each intersection approach for both AM and PM Peak Hours of traffic.

The purpose of the memorandum will be to assist in identifying those necessary roadway design elements as well as adequately document the data used and assumptions made to determine the recommendations.

**Draft Initial Traffic Technical Memorandum.** The CONSULTANT will prepare a draft initial Traffic Technical Memorandum prior to the Stage I/II Plan preparation. The memorandum will document each of the analysis activities completed by the CONSULTANT and will provide summarized conclusions and recommendations for the study intersection. The memorandum will also include appendices which provide the results of traffic data collection in the study area.

**Final Traffic Technical Memorandum.** The CONSULTANT will respond to any comments arising from the Draft Initial submittal and will then prepare the Final Technical Memorandum that will coincide with the Stage I/II plans.

**Task 3.15.2. Quality Control Review.** The CONSULTANT will provide quality control and quality assurance reviews for each submittal.

### **TASK 3.16 ARTERIAL STREET LIGHTING DESIGN REPORT**

**Assumptions:**

1. An Arterial Street Lighting Design Report is not required for this project.

### **TASK 3.17 DESIGN CONCEPT REPORT**

**Assumptions:**

1. A DCR is not required for this project.



### **TASK 3.18 ENVIRONMENTAL ASSESSMENT AND MITIGATION**

#### **Assumptions:**

1. *An Environmental Assessment and Mitigation Report are not required for this project.*
2. *AECOM will prepare a Class II Programmatic Categorical Exclusion (CE) Checklist in accordance with ADOT and FHWA requirements. (Task 3.18.1 Categorical Exclusion)*
3. *AECOM will prepare a Biological Evaluation Short Form in accordance with ADOT requirements. Endangered Species Act consultation will not be conducted under this scope of work. Biological data will be from available electronic sources. AECOM will complete an Environmental Field Review. Species surveys will not be conducted under this scope of work. (Task 3.18.2 Biological Evaluation)*
4. *Project construction will occur within existing right-of-way previously surveyed for cultural resources and additional cultural survey will not be conducted under this scope of work. If needed, supplemental cultural survey will be addressed through a contract modification. (Task 3.18.3 Cultural Resources)*
5. *AECOM will prepare a Preliminary Initial Site Assessment in accordance with ADOT requirements. A Phase I Environmental Site Assessment or other hazardous materials investigations will not be conducted under this scope of work. (Task 3.18.4 Preliminary Initial Site Assessment)*
6. *AECOM will prepare a Preliminary Jurisdictional Delineation and Clean Water Act Section 404 Nationwide Permit 14 Preconstruction Notice in accordance with U.S. Army Corps of Engineers requirements. Section 401 Water Quality Certification will be conditionally approved under Nationwide Permit 14 and an Individual Water Quality Certification from Arizona Department of Environmental Quality is not required and will not be conducted under this scope of work. (Task 3.18.5 Preliminary Jurisdictional Delineation and Nationwide Permit 14 Preconstruction Notice)*
7. *Pima County Regulated Riparian Habitat was not identified during the Project Assessment phase; therefore, Regulated Riparian Habitat Assessment and Mitigation is not required for this project and will not be conducted under this scope of work.*
8. *Project is located entirely within existing Pima County right-of-way.*

**Task 3.18.1. Categorical Exclusion.** The project will be constructed with a combination of federal STP funding and DOT 57 HURF Bond funds and funding from SW Area Impact fees. Because the project will be using federal funds for construction, the project is being coordinated with ADOT and will require preparation of environmental documents in accordance with the requirements of NEPA.

FHWA and ADOT signed an Arizona Programmatic Approval (PA) agreement that now delegates approval authority for CE's to ADOT. Accordingly, any Local Government Project using federal funds program that is seeking a CE must submit the necessary documentation to ADOT. Based on the scope of the proposed project, a Class II Programmatic CE Checklist (appropriate for minor ground disturbing activity) must be prepared and documented with supporting analysis.

The CONSULTANT will prepare and submit a Class II Programmatic Categorical Exclusion (CE) Checklist in accordance with ADOT and FHWA requirements. Additionally, the CONSULTANT will prepare an Environmental Field Review Form and agency scoping letters. Other environmental technical documents that will be prepared in support of the CE are described in Tasks 3.18.2 Biological Evaluation, Task 3.18.3 Cultural Resources, and Task 3.18.4 Preliminary Initial Site Assessment.

#### **Deliverables:**

- Draft and Final CE Checklist
- Draft and Final Environmental Field Review Form
- Draft and Final Scoping Letters

**Task 3.18.2. Biological Evaluation.** ADOT Environmental Planning (EPG) oversees biological compliance for ADOT's development program through the ADOT biologists. The ADOT biologists are responsible for overseeing biological compliance for ADOT's development program and reviewing all biology-related project deliverables. For projects with a limited scope of work that have no potential to effect species or habitat protected by the Endangered Species Act (ESA), a Biological Evaluation Short Form is prepared. The CONSULTANT will prepare a Biological Evaluation Short Form for compliance with the ESA and to support analysis for the CE.

**Assumptions:**

1. *A Section 7 consultation will not be required and is not included in the proposed scope of work. Section 7 Consultation would be required if federally listed species are affected.*

**Deliverables:**

- Draft and Final Biological Evaluation Short Form

**Task 3.18.3. Cultural Resource.** To support FHWA/ADOT the National Historic Preservation Act (NHPA) Section 106 consultations, the CONSULTANT will draft letters for FHWA/ADOT to use in consulting the State Historic Preservation Office (SHPO) and interested tribes (assumed to include the Tohono O'odham Nation, Ak-Chin Indian Community, Gila River Indian Community, Salt River Pima-Maricopa Indian Community, Pascua Yaqui Tribe, Hopi Tribe, San Carlos Apache Tribe, Tonto Apache Tribe, White Mountain Apache Tribe, and Yavapai-Apache Nation). The letters would document the results of a review of records of prior cultural resource surveys and cultural resources recorded within 0.5 mile of the area of potential effects.

**Assumptions:**

1. *It is assumed that the draft letters will require no more than two rounds of review and revision (one by Pima County and one by ADOT)*
2. *It is assumed that FHWA/ADOT would define the areas that could be disturbed by construction of the Bopp Rd. – Sarasota Blvd. at Kinney Rd. Improvements Project.*

**Deliverables:**

- Draft and Final SHPO and tribal consultation letters

**Task 3.18.4. Preliminary Initial Site Assessment.** The purpose of the Preliminary Initial Site Assessment (PISA) is to determine the presence of hazardous waste sites associated with the specific project location. A PISA includes site reconnaissance; a review of public agency records; applicable federal, state, and local agency records; completion of the PISA form; and a report. The CONSULTANT will prepare a PISA form and report to support analysis for the CE.

**Assumptions:**

1. *It is assumed that A Phase I Environmental Site Assessment or other hazardous materials investigations will not be conducted under this scope of work.*

**Deliverables:**

- Draft and Final PISA

**Task 3.18.5. Preliminary Jurisdictional Delineation and Nationwide Permit 14 Preconstruction Notice.** The CONSULTANT will prepare a preliminary jurisdictional delineation (PJD) and preconstruction notice (PCN) to support compliance with Section 404 of the Clean Water Act. For the PJD, the CONSULTANT will follow methodologies outlined in the 1987 U.S. Army Corps of Engineers (USACE) Wetlands Delineation Manual, the 2001 Final Summary Report: Guidelines for Jurisdictional Determinations for Water of United States in Arid Southwest, and the recent June 2007 memorandum entitled Clean Water Act Jurisdiction Following the U.S. Supreme Court's Decision in *Rapanos v. the United States* and *Carabell v. the U.S. State* or other guidance as relevant.

The CONSULTANT will prepare a PJD report for submittal to the USACE. Once the PJD has been submitted, USACE has 60 calendar days to approve. A Nationwide Permit No. 14 PCN is required if impacts result in the loss of greater than 1/10-acre of waters of the U.S. Initial review of the project indicates that impacts to waters of the U.S. will exceed 1/10-acre; therefore, the CONSULTANT will prepare a PCN application package and submit to the USACE. The PCN will be submitted to the USACE following approval of the PJD. Once the PCN has been submitted, USACE has 45 calendar days to approve. Coordination meetings with the Corps are described in Task 3.5 Federal, State, and Local Coordination.

**Deliverables:**

- Draft and Final PJD
- Draft and Final NWP 14 PCN

**Task 3.18.6. Noise Study.** A new noise study will be conducted based on 2040 predicted traffic volumes. Sound Solutions will provide a completed Noise Study, research documentation, and a summary of findings report. Further scoping is defined within Sound Solution's scope of work.

**Task 3.18.7. Native Plant Inventory.** Wheat Design Group will conduct native plant inventories and prepare the native plant preservation plans in accordance with the updated Appendix 4D of the Environmentally Sensitive Roadway Design Guidelines, RDM. Further scoping is defined within Wheat Design Group's scope of work.

**Task 3.18.8. Quality Control Review.** The CONSULTANT will provide quality control and quality assurance reviews of the documents for each submittal.

## **TASK 3.19 RIGHT-OF-WAY ACQUISITION SUPPORT**

**Assumptions:**

1. *The CONSULTANT will identify parcels from which right-of-way or easements will be required and Pima County will provide title reports for those parcels. Assume two (2) parcels.*
2. *In development of the legal descriptions & exhibits, the CONSULTANT will be performing the following tasks:*
  - a. *Calculate parcel boundaries (Title Reports to be provided by Pima County);*
  - b. *Calculate existing right-of-way per documentation provided;*
  - c. *Calculate new right-of-way/drainage easement/TCE affecting said parcels;*
  - d. *Calculate all acquisition areas;*
  - e. *Prepare Legal Description and Exhibit.*
3. *Survey file submittals (monumentation, horizontal and vertical control, right-of-way plans) shall be in AutoCad 2002, AutoCad 2005, or Microstation (.dgn) (V8i) format.*
4. *Pima County will obtain any Rights-Of-Entry required for this project.*

**Task 3.19.1. Existing Right-of-Way and Easements.** The CONSULTANT will provide the COUNTY with a list of parcels from which right-of-way or easements will be required. The CONSULTANT will perform any research, calculations, and additional survey needed to establish existing property and right-of-way lines to be affected by this project and integrate this into the mapping. Following the research, the COUNTY will prepare a Centerline and Right-of-Way survey to identify and locate the controlling right-of-way monumentation, property lines, or fence lines that intersect the right-of-way.

**Task 3.19.2. Right-of-Way Plans.** The CONSULTANT will prepare right-of-way plans for the project as per Pima County's RDM Section 3.19 and Appendix 3-P. In addition to existing information, all proposed right-of-way and/or easements required shall be shown with complete dimensions. Ownership data and areas required shall be shown. The CONSULTANT will coordinate with and incorporate feedback from the COUNTY in preparing documents and in identifying properties for potential acquisition and easements. The COUNTY will provide the CONSULTANT the line work showing the proposed Right-of-Way and/or easements required for the project. This line work will be the basis for the COUNTY to then correctly apply to the Right-of-Way plans.

**Stage I Right-of-Way Plans.** The CONSULTANT will prepare the Stage I Right-of-Way Plans in conjunction with the Stage I/II Plan preparation.

**Preliminary Proposed Right-of-Way Plans.** The CONSULTANT will respond to and incorporate any comments arising from the Stage I Right-of-Way Plan submittal and prepare the Preliminary Proposed Right-of-Way Plans prior to the Stage III Plan preparation.

**Draft Final Right-of-Way Plans.** The CONSULTANT will respond to and incorporate any comments arising from the Preliminary Proposed Right-of-Way Plan submittal and prepare the Draft Final Right-of-Way Plans in conjunction with the Stage IV Plan preparation.

**Final Right-of-Way Plans.** The CONSULTANT will respond to and incorporate any comments arising from the Draft Final Right-of-Way Plan submittal and prepare the Final Right-of-Way Plans in conjunction with the Stage V Plan preparation.

**Task 3.19.3. Maps and Legal Descriptions.** The CONSULTANT will prepare a legal description of the overall project corridor along with a parcel sketch reflecting the dimensions contained in the legal description. The CONSULTANT will perform a field survey to verify sectional corners bounding affected parcels.

**Task 3.19.4. Stake New Right-of-Way Limits.** The COUNTY will set permanent right-of-way monuments (18" long 1/2" rebar with RLS tag) along the proposed right-of-way at the P.C., P.T. and intersections with existing right-of-way throughout the project corridor. The CONSULTANT will reflect these monuments on the right-of-way plans.

**Task 3.19.5. Quality Control Review.** The CONSULTANT will provide quality control and quality assurance reviews of the documents for each submittal.

**Deliverables:**

- List of parcels from which right-of-way or easements will be required.
- Stage I Right-of-Way Plans
- Preliminary Proposed Right-of-Way Plans
- Draft Final Right-of-Way Plans
- Final Right-of-Way Plans
- Maps and legal description for affected parcels.
- Responses to all review comments.

## TASK 3.20 PREPARATION OF CONSTRUCTION DOCUMENTS

### Assumptions:

1. This scope includes the preparation of Stage I/II combined, Stage III, Stage IV, and Stage V Plans, Specifications, and Estimates (PS&E) packages.
2. Roadway cross sections will be provided by the CONSULTANT at each Stage submittal.
3. It is assumed that an OTS review session will be held at the Stage I/II combined, Stage III, and Stage IV submittals. This work is included under Task 3.2.
4. This scope does NOT include individual Water and Sewer Adjustment Plans/Details.
5. Special Provisions will be provided at Stage III and Stage IV and finalized at Stage V.
6. A Cost Estimate will be provided at each Stage plan submittal. The quantities will be provided.
7. All CADD base and sheet files will be completed utilizing Bentley Microstation V8 and/or V8(i).
8. All roadway designs will be completed utilizing Bentley InRoads V8(i).
9. At each Stage submittal the CONSULTANT will obtain electronic 11"x17" pdf plans from the subconsultants that will be compiled by the CONSULTANT into a single pdf used for reproduction and/or distribution.
10. The CONSULTANT, and its subconsultants, will provide 1 electronic pdf version of the plans (11"x17" and 22"x34"), Special Provisions, and cost estimate.
11. The extent of the Post Design Services for this contract will be limited to the Phase I Pre-Bid Services as listed in Section 3.20 of the RDM. The Phase II Post Design Services will be added by contract modification and will be based on Time and Materials compensation.
12. It is assumed that an ADA Feasibility Report will be required for the project due to the use of federal funds.
13. This task does not include time for developing As-Built Plans. Developing as-built plans will be completed by contract modification.

**Task 3.20.1. Stage I/II – Final Design Phase (Conceptual Phase/Documentation Phase).** The CONSULTANT will develop combined Stage I/II Plans that will include pavement sections, typical sections, horizontal control sheets, roadway plan and profiles, pavement marking, cross sections (50' intervals), and a Stage I/II cost estimate for the project. The CONSULTANT will also develop an ADA Feasibility Report for the project.

The conceptual design will utilize the latest available PAG Aerial and DTM information, along with cultural surveys completed - since it is anticipated that the digitized mapping will not be complete at that time.

SCE will provide any drainage related Documentation Phase documents and Wheat Design Group will provide any landscaping Conceptual Phase/Documentation Phase documents. Further scoping is defined within SCE, and Wheat Design Group's scope of work.

**Task 3.20.2. Stage III - Initial PS&E Plans (Verification Phase).** The CONSULTANT will develop Stage III Plans that will include pavement sections; typical sections; summary sheets; roadway plan and profiles and detail sheets; horizontal control sheets; sound wall plans; demolition and staking plans; right-of-way plans; signing and pavement marking; traffic signal modification plans, cross sections (50' intervals), erosion control, and Stage III cost estimate and Special Provisions for the project. The PS&E will include revisions from the Stage II OTS session. The CONSULTANT will refine the InRoads templates and earthwork modeling.

SCE will provide any drainage related Verification Phase documents and Wheat Design Group will provide any landscaping and erosion control Verification Phase documents. Further scoping is defined within SCE and Wheat Design Group's scope of work.

**Task 3.20.3. Stage IV - Final PS&E Plans (Verification Phase).** The CONSULTANT will develop Stage IV Plans that will include pavement sections; typical sections; summary sheets; roadway plan and profiles and detail sheets, horizontal control sheets; sound wall plans; demolition and staking plans; right-of-way plans; signing and pavement marking, traffic signal modification plans, cross sections (50' intervals), erosion control, and the final cost estimate and Special Provisions for the project. The PS&E will include revisions from the Stage III OTS session. The CONSULTANT will refine the InRoads templates and earthwork modeling.

SCE will provide any drainage related Verification Phase documents and Wheat Design Group will provide any landscaping and erosion control Verification Phase documents. Further scoping is defined within SCE, and Wheat Design Group's scope of work.

**Task 3.20.4. Stage V - Final PS&E Assembly (PS&E Phase).** The CONSULTANT will develop Stage V Plans that will include revisions from the Stage IV OTS session, and the final cost estimate and Special Provisions for the project.

SCE will provide any drainage related PS&E documents and Wheat Design Group will provide any landscaping and erosion control PS&E documents. Further scoping is defined within SCE, and Wheat Design Group's scope of work.

**Task 3.20.5. Quality Control Review.** The CONSULTANT and subconsultants will provide quality control reviews of each Stage submittal PS&E documents. The CONSULTANT will provide quality assurance reviews for each submittal. Further scoping is defined within SCE, Golder, and Wheat Design Group's scope of work.

**Task 3.20.6. Pre-Bid Services.** The extent of the Post Design Services for this contract will be limited to the Phase I Pre-Bid Services as listed in Section 3.20 of the RDM. The CONSULTANT and subconsultants will provide these services. Further scoping is defined within SCE, and Wheat Design Group's scope of work.

**Deliverables:**

- Stage I/II Final Design Plans and Cost Estimate (Conceptual Phase/Documentation Phase)
- Stage III Preliminary Construction Plans, Specs, and Cost Estimates per the RDM Checklist Appendix 3-R (Verification Phase)
- Stage IV/Final Construction Plans, Specs, and Cost Estimates reflecting revisions to the Stage III documents (Verification Phase)
- Stage V/Final Construction Plans, Specs, and Cost Estimates reflecting revisions to the Stage IV documents (PS&E Phase)
- Quantity Tabulations for each Cost Estimate produced
- Responses to all formal review comments.

# EXHIBIT B: CONSULTANT FEE PROPOSAL (20 pages)



## PIMA COUNTY FEE ESTIMATE SUMMARY

PROJECT:	Roadway Planning & Engineering Design Services: Bopp Road – Sarasota Boulevard at Kinney Road Improvements (4KINBO)	DATE:	1/16/2017
PREPARED BY:	Jody Rodriguez, PE	CONTRACT NO.:	CT-TR-KINBO
EFFECTIVE DATE:	1/17/2017	CONSULTANT:	AECOM
CONTRACT TIME:	14-Months from N.T.P.	CONTRACT TYPE:	
COMPENSATION:	CPFF		

### DIRECT LABOR COST

DESCRIPTION	CLASSIFICATION	No. HOURS Estimated Hours	HOURLY RATE Estimated Rates	TOTAL COST Estimated Cost
1 Project Management, Utility Coordination, Public Participation, Categorical Exclusion, Survey, R/W Acquisition Support, Seeding Stage I/II, III, IV, V(PS&E)	Project Principal	10	\$85.32	\$853.20
	Project Manager	350	\$69.74	\$24,409.00
	Senior Project Engineer	312	\$66.64	\$20,791.68
	Project Engineer/Planner	314	\$54.35	\$17,065.90
	Drafting/CADD/Graphics	377	\$33.82	\$12,750.14
	Senior Environmental Scientist	182	\$48.40	\$8,808.80
	Project Environmental Scientist	92	\$31.39	\$2,887.88
	Survey Manager	106	\$43.92	\$4,655.52
	Survey Technician	106	\$38.10	\$4,038.60
	Project Admin	56	\$27.89	\$1,561.84

(A) Direct Labor 1905 Hrs. \$97,823

### OVERHEAD

(B) OH Rate x (A) or 139.140% x \$97,823 = \$136,110

### PROFIT

(C) % Profit Rate x (A+B) or 10.0% x \$233,933 = \$23,393

### ESTIMATED OTHER DIRECT EXPENSES

TRAVEL (Phoenix Staff)	=	\$1,604
COMMUNICATIONS	=	\$750
REPRODUCTIONS	=	\$2,698
EXHIBITS	=	\$200
SPECIALIZED VENDORS	=	\$0

(D) Estimated Other Direct Expenses = \$5,252

### (E) ESTIMATED OUTSIDE SERVICES & SUBCONSULTANT COSTS

SCE	=	\$38,008
Wheat Design Group	=	\$24,105
Golder Associates	=	\$13,345
Sound Solutions Acoustical Consulting	=	\$9,900
Traffic Research & Analysis, Inc	=	\$2,064

(F) TOTAL COST FOR ALL SUBCONSULTANT AND OUTSIDE SERVICES = \$87,422

### ADDITIONAL SERVICES

### POST DESIGN SERVICES

= \$30,000  
= \$0

### ESTIMATED FEES

(G) TOTAL CONSULTANT FEE = \$380,000

*\* The cost estimates included in this proposal are valid for six months from the date of submittal. If the proposal is accepted after said period, AECOM reserves the right to review and retain or modify the cost estimates stated herein in order to appropriately reflect changing costs and salaries and similar economic considerations. Any changes to this scope of work may require a modified estimate.*

*\*\*Totals may not sum due to rounding.*



Roadway Planning & Engineering Design  
Services:

Contract No.: T.B.D.  
Project No.: 4KINBO

**Calculation of Average Hourly Rates**  
**Used for Cost Estimate**

<u>Classification</u>	<u>AECOM FY 2017 Hourly Rate</u>	<u>Average Rate</u>
Project Principal	\$85.32	\$85.32
Project Manager	\$69.08 \$70.39	\$69.74
Senior Project Engineer	\$66.64	\$66.64
Project Engineer/Planner	\$57.73 \$54.33 \$50.98	\$54.35
Drafting/CADD/Graphics	\$37.75 \$36.51 \$27.20	\$33.82
Survey Manager	\$43.92	\$43.92
Survey Technician	\$38.10	\$38.10
Survey Crew	\$43.92 \$38.10	\$41.01
Senior Environmental Scientist	\$46.56 \$50.23	\$48.40
Project Environmental Scientist	\$31.39	\$31.39
Project Admin	\$36.05 \$19.73	\$27.89

ates are the current payroll rates as of January 11, 2017

*Randall Beck*

Certified By:

Vice President

Title:

January 11, 2017



**Project TEAM**  
**Workhour Estimate by Task**

<b>MAIN TASK #</b>	<b>Main TASK Description</b>	<b>SUB TASK #</b>	<b>Sub TASK Description</b>	<b>HOURS TOTAL</b>
1	PROJECT MANAGEMENT	3.1	Project Management	167
		3.2	Quality Control Process	203
		3.5	Coordination with Government Agencies	22
			<b>Total=</b>	<b>392</b>
2	PUBLIC INVOLVEMENT	3.4	Public Participation	56
3	ARTWORK	3.6	Public Art	0
4	ENVIRONMENTAL SERVICES	3.8	Environmental Impact Screening	0
		3.18	Environmental Assessment/Mitigation	272
			<b>Total=</b>	<b>272</b>
5	ENGINEERING SERVICES	3.7	Gathering Data	22
		3.9	Location Report	0
		3.10	Surveying and Mapping	80
		3.11	Drainage Report	171
		3.12	Geotechnical Investigation	57
		3.13	Pavement Design Report	41
		3.15	Traffic Engineering Report	96
		3.16	Arterial Street Lighting Design Report	0
		3.17	Design Concept Report	0
		3.19	ROW Acquisition Support	124
	3.20	Preparation of Construction Documents	1,003	
		<b>Total=</b>	<b>1,594</b>	
6	UTILITY	3.3	Utility Coordination	192
7	BRIDGE	3.14	Bridge Structure Selection Report	0
			<b>TOTALS</b>	<b>2,506</b>

**Project TEAM**  
**Workhour Estimate by Task**

SCE

MAIN TASK#	Main TASK Description	SUB TASK #	Sub TASK Description	TOTAL
1	PROJECT MANAGEMENT	3.1	Project Management	0
		3.2	Quality Control Process	22
		3.5	Coordination with Government Agencies	0
			<b>Task Totals=</b>	<b>22</b>
2	PUBLIC INVOLVEMENT	3.4	Public Participation	0
3	ARTWORK	3.6	Public Art	0
4	ENVIRONMENTAL SERVICES	3.8	Environmental Impact Screening	0
		3.18	Environmental Assessment/Mitigation	0
			<b>Task Totals=</b>	<b>0</b>
5	ENGINEERING SERVICES	3.7	Gathering Data	0
		3.9	Location Report	0
		3.10	Surveying and Mapping	0
		3.11	Drainage Report	167
		3.12	Geotechnical Investigation	0
		3.13	Pavement Design Report	0
		3.15	Traffic Engineering Report	0
		3.16	Arterial Street Lighting Design Report	0
		3.17	Design Concept Report	0
		3.19	ROW Acquisition Support	0
		3.20	Preparation of Construction Documents	91
	<b>Task Totals=</b>	<b>258</b>		
6	UTILITY	3.3	Utility Coordination	0
7	BRIDGE	3.14	Bridge Structure Selection Report	0
			<b>TOTAL HOURS</b>	<b>280</b>

**Project TEAM**  
**Workhour Estimate by Task**

**Wheat Design Group**

<b>MAIN TASK #</b>	<b>Main TASK Description</b>	<b>SUB TASK #</b>	<b>Sub TASK Description</b>	<b>TOTAL</b>
1	PROJECT MANAGEMENT	3.1	Project Management	7
		3.2	Quality Control Process	30
		3.5	Coordination with Government Agencies	0
			<b>Task Totals=</b>	<b>37</b>
2	PUBLIC INVOLVEMENT	3.4	Public Participation	8
3	ARTWORK	3.6	Public Art	0
4	ENVIRONMENTAL SERVICES	3.8	Environmental Impact Screening	0
		3.18	Environmental Assessment/Mitigation	0
			<b>Task Totals=</b>	<b>0</b>
5	ENGINEERING SERVICES	3.7	Gathering Data	0
		3.9	Location Report	0
		3.10	Surveying and Mapping	0
		3.11	Drainage Report	0
		3.12	Geotechnical Investigation	0
		3.13	Pavement Design Report	0
		3.15	Traffic Engineering Report	0
		3.16	Arterial Street Lighting Design Report	0
		3.17	Design Concept Report	0
		3.19	ROW Acquisition Support	0
		3.20	Preparation of Construction Documents	183
			<b>Task Totals=</b>	<b>183</b>
6	UTILITY	3.3	Utility Coordination	0
7	BRIDGE	3.14	Bridge Structure Selection Report	0
			<b>TOTAL HOURS</b>	<b>228</b>

**Project TEAM  
Workhour Estimate by Task**

**GOLDER**

<b>MAIN TASK #</b>	<b>Main TASK Description</b>	<b>SUB TASK #</b>	<b>Sub TASK Description</b>	<b>TOTAL</b>
1	PROJECT MANAGEMENT	3.1	Project Management	0
		3.2	Quality Control Process	3
		3.5	Coordination with Government Agencies	0
			<b>Task Totals=</b>	<b>3</b>
2	PUBLIC INVOLVEMENT	3.4	Public Participation	0
3	ARTWORK	3.6	Public Art	0
4	ENVIRONMENTAL SERVICES	3.8	Environmental Impact Screening	0
		3.18	Environmental Assessment/Mitigation	0
			<b>Task Totals=</b>	<b>0</b>
5	ENGINEERING SERVICES	3.7	Gathering Data	0
		3.9	Location Report	0
		3.10	Surveying and Mapping	0
		3.11	Drainage Report	0
		3.12	Geotechnical Investigation	53
		3.13	Pavement Design Report	37
		3.15	Traffic Engineering Report	0
		3.16	Arterial Street Lighting Design Report	0
		3.17	Design Concept Report	0
		3.19	ROW Acquisition Support	0
	3.20	Preparation of Construction Documents	0	
		<b>Task Totals=</b>	<b>90</b>	
6	UTILITY	3.3	Utility Coordination	0
7	BRIDGE	3.14	Bridge Structure Selection Report	0
			<b>TOTAL HOURS</b>	<b>93</b>

AECOM  
Workhour Estimate by Task

MAIN TASK #	Main TASK Description	SUB TASK #	Sub TASK Description	Project		Senior		Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL	
				Principal	Project Manager	Project Engineer	Engineer									
1	PROJECT MANAGEMENT	3.1	Project Management	8	112	0	0	0	0	0	0	0	0	0	40	160
		3.2	Quality Control Process	2	62	12	26	8	6	0	16	0	16	0	16	148
		3.5	Coordination with Government Agencies	0	4	0	0	0	0	0	18	0	0	0	0	22
		Task Totals=			10	178	12	26	8	6	0	34	0	56	330	
2	PUBLIC INVOLVEMENT	3.4	Public Participation	0	22	2	16	0	0	0	8	0	0	0	48	
3	ARTWORK	3.6	Public Art	0	0	0	0	0	0	0	0	0	0	0	0	
4	ENVIRONMENTAL SERVICES	3.8	Environmental Impact Screening	0	0	0	0	0	0	0	0	0	0	0	0	
		3.18	Environmental Assessment/Mitigation	0	8	4	0	28	0	0	140	92	0	272		
		Task Totals=			0	8	4	0	28	0	0	140	92	0	272	
5	ENGINEERING SERVICES	3.7	Gathering Data	0	6	8	8	0	0	0	0	0	0	0	22	
		3.9	Location Report	0	0	0	0	0	0	0	0	0	0	0	0	
		3.10	Surveying and Mapping	0	0	0	0	0	40	40	0	0	0	0	80	
		3.11	Drainage Report	0	2	2	0	0	0	0	0	0	0	0	4	
		3.12	Geotechnical Investigation	0	2	2	0	0	0	0	0	0	0	0	4	
		3.13	Pavement Design Report	0	2	2	0	0	0	0	0	0	0	0	4	
		3.15	Traffic Engineering Report	0	0	24	62	10	0	0	0	0	0	0	96	
		3.16	Arterial Street Lighting Design Report	0	0	0	0	0	0	0	0	0	0	0	0	
		3.17	Design Concept Report	0	0	0	0	0	0	0	0	0	0	0	0	
		3.19	ROW Acquisition Support	0	2	4	0	16	42	60	0	0	0	0	124	
		3.20	Preparation of Construction Documents	0	100	208	170	239	6	6	0	0	0	0	729	
Task Totals=			0	114	250	240	265	88	106	0	0	0	1,063			
6	UTILITY	3.3	Utility Coordination	0	28	44	32	76	12	0	0	0	0	192		
7	BRIDGE	3.14	Bridge Structure Selection Report	0	0	0	0	0	0	0	0	0	0	0		
<b>TOTAL WORKHOURS</b>				<b>10</b>	<b>350</b>	<b>312</b>	<b>314</b>	<b>377</b>	<b>106</b>	<b>106</b>	<b>182</b>	<b>92</b>	<b>56</b>	<b>1,905</b>		

Main  
Task #

Workhour Estimate by Task

Main Task #	Description	Workhour Estimate by Task										TOTAL
		20	21	22	23	24	27	28	25	26	29	
		Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	
	Task 3.1											
1	Project Management											
	3.1.1 - (PM - 14 Months @ 8 hrs/Mth) Project Management Tasks	8	112	0	0	0	0	0	0	0	40	160
	Subtotal	8	112	0	0	0	0	0	0	0	40	160

Main Task #	Description	Workhour Estimate by Task										TOTAL
		20	21	22	23	24	27	28	25	26	29	
		Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	
	Task 3.2											
1	Quality Control Process											
	3.2.1 - Quality Control Plan	2	4	0	0	0	0	0	0	0	4	10
	3.2.2 - Meetings and Communication	0	38	12	26	8	6	0	16	0	12	118
	3.2.3 - Schedule (Create Project Schedule)	0	20	0	0	0	0	0	0	0	0	20
	Subtotal	2	62	12	26	8	6	0	16	0	16	148

Main Task #	Description	Workhour Estimate by Task										TOTAL
		20	21	22	23	24	27	28	25	26	29	
		Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	
	Task 3.3											
5	Utility Coordination											
	3.3.1 - Utility Base File Creation	0	0	8	8	24	8	0	0	0	0	48
	3.3.2 - Data Gathering, Prelim Design Notifications, As-Built Requests	0	0	0	8	8	0	0	0	0	0	16
	3.3.3 - Design Coordination, Utility Impact Identification	0	12	12	0	12	0	0	0	0	0	36
	3.3.4 - Utility Mitigation Measures	0	8	24	16	32	0	0	0	0	0	80
	3.3.5 - Quality Control Review	0	8	0	0	0	4	0	0	0	0	12
	Subtotal	0	28	44	32	76	12	0	0	0	0	192

Main Task #	Description	Workhour Estimate by Task										TOTAL
		20	21	22	23	24	27	28	25	26	29	
		Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	
	Task 3.4											
2	Public Participation											
	3.4.1 - Public Meetings	0	12	0	8	0	0	0	8	0	0	28
	3.4.2 - One-on-One Property Owner Meetings (4 @ 2 hrs)	0	8	0	8	0	0	0	0	0	0	16
	3.4.3 - Quality Control Review	0	2	2	0	0	0	0	0	0	0	4
	Subtotal	0	22	2	16	0	0	0	8	0	0	48

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.5											
1 Coordination with Government Agencies											
3.5.1 - Coordinate Between Participating Agencies	0	4	0	0	0	0	0	18	0	0	22
Subtotal	0	4	0	0	0	0	0	18	0	0	22

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.6											
3 Public Art											
N/A	0	0	0	0	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0	0	0	0	0

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.7											
5 Gathering Data											
3.7.1 - Gather Existing Information	0	2	4	4	0	0	0	0	0	0	10
3.7.2 - Site Visits During Project Design	0	0	4	4	0	0	0	0	0	0	8
3.7.3 - Quality Control Review	0	4	0	0	0	0	0	0	0	0	4
Subtotal	0	6	8	8	0	0	0	0	0	0	22

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.8											
4 Environmental Impact Screening											
N/A	0	0	0	0	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0	0	0	0	0

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.9											
N/A Location Report											
N/A	0	0	0	0	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0	0	0	0	0

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.10											
5 Surveying and Mapping											
3.10.1 - Initial Planning and Reconnaissance	0	0	0	0	0	4	4	0	0	0	8
3.10.2 - Horizontal Control & Vertical Traverse	0	0	0	0	0	4	4	0	0	0	8
3.10.3 - Results of Survey Drawing	0	0	0	0	0	4	4	0	0	0	8
3.10.4 - Survey Report	0	0	0	0	0	4	4	0	0	0	8
3.10.5 - Aerial Mapping	0	0	0	0	0	4	4	0	0	0	8
3.10.6 - Utility Surveys	0	0	0	0	0	8	8	0	0	0	16
3.10.7 - Culture Surveys	0	0	0	0	0	4	4	0	0	0	8
3.10.8 - Right-of-Way Surveys	0	0	0	0	0	4	4	0	0	0	8
3.10.9 - Quality Control Review of Survey and Mapping	0	0	0	0	0	4	4	0	0	0	8
Subtotal	0	0	0	0	0	40	40	0	0	0	80

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.11											
5 Drainage Report											
3.11.1 - Review Existing Plans and Reports	0	0	0	0	0	0	0	0	0	0	0
3.11.2 - Peak Discharge Determination	0	0	0	0	0	0	0	0	0	0	0
3.11.3 - Hydraulic Conditions	0	0	0	0	0	0	0	0	0	0	0
3.11.4 - Off-Site Ditches and Cross Culvert Calculations	0	0	0	0	0	0	0	0	0	0	0
3.11.5 - Drainage Reports	0	0	0	0	0	0	0	0	0	0	0
3.11.6 - Quality Control Review	0	2	2	0	0	0	0	0	0	0	4
Subtotal	0	2	2	0	0	0	0	0	0	0	4

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.12											
5 Geotechnical Investigation											
3.12.1 - Geotechnical Investigations	0	0	0	0	0	0	0	0	0	0	0
3.12.2 - Geotechnical Memorandum	0	0	0	0	0	0	0	0	0	0	0
3.12.3 - Quality Control Review	0	2	2	0	0	0	0	0	0	0	4
Subtotal	0	2	2	0	0	0	0	0	0	0	4



Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.13											
5 Pavement Design Report											
3.13.1 - Pavement Design Summary	0	0	0	0	0	0	0	0	0	0	0
3.13.2 - Quality Control Review	0	2	2	0	0	0	0	0	0	0	4
Subtotal	0	2	2	0	0	0	0	0	0	0	4

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.14											
5 Bridge Structure Selection Report											
N/A	0	0	0	0	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0	0	0	0	0

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.15											
5 Traffic Engineering Report											
3.15.1 - Traffic Engineering Technical Memorandum	0	0	22	60	10	0	0	0	0	0	92
3.15.2 - Quality Control Review	0	0	2	2	0	0	0	0	0	0	4
Subtotal	0	0	24	62	10	0	0	0	0	0	96

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.16											
5 Arterial Street Lighting Design Report											
N/A	0	0	0	0	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0	0	0	0	0

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.17											
5 Design Concept Report											
N/A	0	0	0	0	0	0	0	0	0	0	0
Subtotal	0	0	0	0	0	0	0	0	0	0	0

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.18											
4 Environmental Assessment/Mitigation											
3.18.1 - Categorical Exclusion	0	0	0	0	4	0	0	40	8	0	52
3.18.2 - Biological Evaluation	0	0	0	0	4	0	0	24	8	0	36
3.18.3 - Cultural Resource	0	8	0	0	4	0	0	4	40	0	56
3.18.4 - Preliminary Initial Site Assessment	0	0	0	0	8	0	0	16	24	0	48
3.18.5 - Preliminary Jurisdictional Determination and Nationwide Permit 14 Preconstruction No	0	0	0	0	8	0	0	40	8	0	56
3.18.6 - Noise Study (by Sound Solutions)	0	0	0	0	0	0	0	0	0	0	0
3.18.7 - Native Plant Inventory (by Wheat Design Group)	0	0	0	0	0	0	0	0	0	0	0
3.18.8 - Quality Control Review	0	0	4	0	0	0	0	16	4	0	24
Subtotal	0	8	4	0	28	0	0	140	92	0	272

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.19											
5 ROW Acquisition Support											
3.19.1 - Existing Right-of-Way and Easements (Identify R/W Needs)	0	0	4	0	0	4	0	0	0	0	8
3.19.2 - Right-of-Way Plans	0	0	0	0	16	16	32	0	0	0	64
3.19.3 - Maps and Legal Descriptions	0	0	0	0	0	16	24	0	0	0	40
3.19.4 - Stake New Right-of-Way Limits	0	0	0	0	0	4	4	0	0	0	8
3.19.5 - Quality Control Review	0	2	0	0	0	2	0	0	0	0	4
Subtotal	0	2	4	0	16	42	60	0	0	0	124

Description	Project Principal	Project Manager	Senior Project Engineer	Project Engineer	Drafting/CADD/Graphics	Survey Manager	Survey Technician	Senior Env. Scientist	Env. Scientist	Project Admin	TOTAL
Task 3.20											
5 Preparation of Construction Documents											
3.20.1 - Stage I/II Final Design Phase (Conceptual Phase)	0	16	38	38	40	4	4	0	0	0	140
3.20.2 - Stage III Initial PS&E Plans (Verification Phase)	0	26	91	65	121	2	2	0	0	0	307
3.20.3 - Stage IV Final PS&E Plans (Verification Phase)	0	16	44	34	51	0	0	0	0	0	145
3.20.4 - Stage V - Final PS&E Assembly (PS&E Phase)	0	10	19	25	27	0	0	0	0	0	81
3.20.5 - Quality Control Review	0	16	0	0	0	0	0	0	0	0	16
3.20.6 - Pre-Bid Services	0	16	16	8	0	0	0	0	0	0	40
Subtotal	0	100	208	170	239	6	6	0	0	0	729

<b>TOTAL WORKHOURS</b>	<b>10</b>	<b>350</b>	<b>312</b>	<b>314</b>	<b>377</b>	<b>106</b>	<b>106</b>	<b>182</b>	<b>92</b>	<b>56</b>	<b>1,905</b>
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**ADDITIONAL AECOM HOUR BACKUP INFORMATION & ASSUMPTIONS**

Task	Classification										Totals
	PP	PM	Snr PE	PE	Drafter	SM	S Tech	Snr Env Sc	Env Sc	Prj Admin	
<b>3.1</b>											
<b>Project Management:</b>											
3.1.1 - (PM - 14 Months @ 8 hrs/Mth) Project Management Tasks	8	112								40	160
<b>3.2</b>											
<b>Quality Control Process:</b>											
3.2.1 - Quality Control Plan	2	4								4	10
3.2.2 - Meetings and Communication											
(1 @ 2 hrs/per) Kickoff Meeting		2		2		2				4	12
(1 @ 4 hrs) Project Field Meeting		4		4				4			12
(6 @ 2 hrs) Bi-Monthly Progress meetings		12	6	6				6			30
(3 @ 4 hrs) Stage submittal/ OTS Meetings		12	6	6		4		4		8	40
Graphics/Handouts/Summaries		8		8	8						24
<b>Sub Total</b>	<b>0</b>	<b>38</b>	<b>12</b>	<b>26</b>	<b>8</b>	<b>6</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>12</b>	<b>118</b>
3.2.3 - Schedule (Create Project Schedule)		8									8
(6 @ 2 hrs) Bi-Monthly Schedule Updates		12									12
<b>Sub Total</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>
<b>Total</b>	<b>2</b>	<b>62</b>	<b>12</b>	<b>26</b>	<b>8</b>	<b>6</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>16</b>	<b>148</b>
<b>3.3</b>											
<b>Utility Coordination:</b>											
3.3.1 - Utility Base File Creation			8	8	24	8					48
3.3.2 - Data Gathering, Prelim Design Notifications, As-Built Requests				8	8						16
3.3.3 - Design Coordination, Utility Impact Identification											
(6 meetings @ 2 hrs) Utility Coordination Meetings		12	12		12						36
3.3.4 - Utility Mitigation Measures		8	24	16	32						80
3.3.5 Quality Control Review		8				4					12
<b>Total</b>	<b>0</b>	<b>28</b>	<b>44</b>	<b>32</b>	<b>76</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>192</b>
<b>3.4</b>											
<b>Public Participation:</b>											
3.4.1 - Public Meetings											
Prep Meetings (2 @ 2 hrs)		4		4				4			12
Public Open House Meeting (1 @ 8 hrs)		8		4				4			16
<b>Sub Total</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>28</b>
3.4.2 - One-on-One Property Owner Meetings (4 @ 2 hrs)		8		8							16
3.4.3 - Quality Control Review		2	2								4
<b>Total</b>	<b>0</b>	<b>22</b>	<b>2</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>48</b>

**ADDITIONAL AECOM HOUR BACKUP INFORMATION & ASSUMPTIONS**

Task	Classification										Totals
	PP	PM	Snr PE	PE	Drafter	SM	S Tech	Snr Env Sc	Env Sc	Prj Admin	
<b>3.5</b>											
<b>Federal, State and Local Coordination:</b>											
3.5.1 - Coordinate Between Participating Agencies											
404 Pre-Application Meetings (3 meetings @ 3 hrs) includes prep time								9			9
ADOT/FHWA Coordination Meetings (2 meetings @ 3 hrs) includes prep time		4						9			13
<b>Total</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>0</b>	<b>0</b>	<b>22</b>
<b>3.6</b>											
<b>Public Art:</b>											
N/A											
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3.7</b>											
<b>Data Gathering:</b>											
3.7.1 - Gather Existing Information		2	4	4							10
3.7.2 - Site Visits During Project Design			4	4							8
3.7.3 - Quality Control Review		4									4
<b>Total</b>	<b>0</b>	<b>6</b>	<b>8</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>22</b>
<b>3.8</b>											
<b>Environmental Impact Screening:</b>											
N/A											
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3.9</b>											
<b>Location Report:</b>											
N/A											
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3.10</b>											
<b>Survey and Mapping:</b>											
3.10.1 - Initial Planning and Reconnaissance						4	4				8
3.10.2 - Horizontal Control & Vertical Traverse						4	4				8
3.10.3 - Results of Survey Drawing						4	4				8
3.10.4 - Survey Report						4	4				8
3.10.5 - Aerial Mapping						4	4				8
3.10.6 - Utility Surveys						8	8				16
3.10.7 - Culture Surveys						4	4				8
3.10.8 - Right-of-way Surveys						4	4				8
3.10.9 - Quality Control Review of Survey and Mapping						4	4				8
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>40</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>80</b>

**ADDITIONAL AECOM HOUR BACKUP INFORMATION & ASSUMPTIONS**

Task	Classification										Totals	
	PP	PM	Snr PE	PE	Drafter	SM	S Tech	Snr Env Sc	Env Sc	Prj Admin		
<b>3.11</b>												
<b>Drainage Report:</b>												
3.11.1 - Review Existing Plans and Reports												0
3.11.2 - Peak Discharge Determination												0
3.11.3 - Hydraulic Conditions												0
3.11.4 - Off-Site Ditches and Cross Culvert Calculations												0
3.11.5 - Drainage Reports												0
<b>Drainage Reports Total</b>	0	0	0	0	0	0	0	0	0	0	0	0
3.11.6 - Quality Control Review												2
<b>Total</b>	0	2	2	0	0	0	0	0	0	0	0	4
<b>3.12</b>												
<b>Geotechnical Investigation:</b>												
3.12.1 - Geotechnical Investigations												0
3.12.2 - Geotechnical Memorandum												0
Draft Memorandum												0
Draft/Final Memorandum												0
Final Memorandum												0
<b>Geotechnical Memorandum Total</b>	0	0	0	0	0	0	0	0	0	0	0	0
3.12.3 - Quality Control Review												2
<b>Total</b>	0	2	2	0	0	0	0	0	0	0	0	4
<b>3.13</b>												
<b>Pavement Design Report:</b>												
3.13.1 - Pavement Design Summary												0
Draft Summary												0
Final Summary												0
<b>Pavement Design Summary Total</b>	0	0	0	0	0	0	0	0	0	0	0	0
3.13.2 - Quality Control Review												2
<b>Total</b>	0	2	2	0	0	0	0	0	0	0	0	4
<b>3.14</b>												
<b>Bridge Structure Selection Report:</b>												
N/A												
<b>Total</b>	0	0	0	0	0	0	0	0	0	0	0	0

**ADDITIONAL AECOM HOUR BACKUP INFORMATION & ASSUMPTIONS**

Task	Classification										Totals
	PP	PM	Snr PE	PE	Drafter	SM	S Tech	Snr Env Sc	Env Sc	Prj Admin	
<b>3.15</b>											
<b>Traffic Engineering Study:</b>											
3.15.1 - Traffic Engineering Technical Memorandum											
Existing Conditions			2	16							18
Future Conditions			8	16							24
Proposed Improvements			4	16							20
Draft Initial Memorandum			4	8	8						20
Final Memorandum			4	4	2						10
<b>Traffic Engineering Technical Memo Total</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>60</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>92</b>
3.15.2 - Quality Control Review			2	2							4
<b>Total</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>62</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>96</b>
<b>3.16</b>											
<b>Arterial Street Lighting Design Report:</b>											
N/A											
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3.17</b>											
<b>Design Concept Report:</b>											
N/A											
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>3.18</b>											
<b>Environmental Assessment/Mitigation:</b>											
3.18.1 - Categorical Exclusion					4			40	8		52
3.18.2 - Biological Evaluation					4			24	8		36
3.18.3 - Cultural Resource		8			4			4	40		56
3.18.4 - Preliminary Initial Site Assessment					8			16	24		48
3.18.5 - Preliminary Jurisdictional Delineation and Nationwide Permit 14 Preconstruction Notice					8			40	8		56
3.18.6 - Noise Study (by Sound Solutions)											0
3.18.7 - Native Plant Inventory (by Wheat Design Group)											0
3.18.8 - Quality Control Review			4					16	4		24
<b>EAM Total</b>	<b>0</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>140</b>	<b>92</b>	<b>0</b>	<b>272</b>
<b>3.19</b>											
<b>ROW Acquisition Support:</b>											
3.19.1 - Existing Right-of-Way and Easements (Identify R/W Needs)			4			4					8
3.19.2 - Right-of-Way Plans											
Stage 1 R/W Plans					4	4	8				16
Preliminary Proposed R/W Plans					4	4	8				16
Draft Final R/W Plans					4	4	8				16
Final R/W Plans					4	4	8				16
<b>R/W Plans Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>16</b>	<b>32</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>
3.19.3 - Maps and Legal Descriptions						16	24				40
3.19.4 - Stake New Right-of-Way Limits						4	4				8
3.19.5 - Quality Control Review			2			2					4
<b>ROW Total</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>0</b>	<b>16</b>	<b>42</b>	<b>60</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>124</b>

**ADDITIONAL AECOM HOUR BACKUP INFORMATION & ASSUMPTIONS**

Task	Classification										Totals
	PP	PM	Snr PE	PE	Drafter	SM	S Tech	Snr Env Sc	Env Sc	Prj Admin	
<b>3.20</b>											
<b>Preparation of Construction Documents:</b>											
3.20.1 - Stage I/II Final Design Phase (Conceptual Phase)											
Cover				4	4						8
General Notes			4		4						8
Design Data & Pavement Sections			4	4	8						16
Typical Sections			4	4	8						16
Horizontal Control Sheets			4		4	4	4				16
P&P Sheets		4	4	4	4						16
Marking			4	4	4						12
Stage I Cross Sections - 50' Intervals (Modeling For Earthwork Balance & Profile Purposes Only)				4	4						8
Compilation and translation of PAG Supplied Data Layers, LIDAR, and AERIALS			4	4							8
ADA Feasibility Report		8	8	8							24
Stage I/II Cost Estimate		4	2	2							8
<b>Stage I/II Total</b>	<b>0</b>	<b>16</b>	<b>38</b>	<b>38</b>	<b>40</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>140</b>
3.20.2 - Stage III Initial PS&E Plans (Verification Phase)											
Cover				1	1						2
General Notes			2		2						4
Design Data & Pavement Sections			1	2	2						5
Typical Sections			2	4	4						10
Summary Sheets			4	8	4						16
Roadway Details			8	8	16						32
Horizontal Control Sheets			2	2		2	2				8
Demolition Plans				8	8						16
Staking Plans			2	8	12						22
Drainage Details											0
P&P Sheets		2	2	4	8						16
Sound Wall Sheets		4	24		24						52
Cross Culvert Details											0
Cross Culvert P&P											0
Channel P&P											0
Signing and Marking		4	8	8	8						28
Signing Summary			8		8						16
Traffic Signal Plans			8	4	16						28
Landscaping Plans		2	2								4
Erosion Control Plans		2	2								4
Stage III Cross Sections - 50' Intervals				8	8						16
Stage III Cost Estimate		8	4								12
Stage III Special Provisions		4	12								16
<b>Stage III Total</b>	<b>0</b>	<b>26</b>	<b>91</b>	<b>65</b>	<b>121</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>307</b>

**ADDITIONAL AECOM HOUR BACKUP INFORMATION & ASSUMPTIONS**

Task	Classification										Totals
	PP	PM	Snr PE	PE	Drafter	SM	S Tech	Snr Env Sc	Env Sc	Prj Admin	
<b>3.20.3 - Stage IV Final PS&amp;E Plans (Verification Phase)</b>											
Cover				1	1						2
General Notes			1	1	1						2
Design Data & Pavement Sections			1	1	1						3
Typical Sections			2	2	4						8
Summary Sheets			2	2	4						8
Roadway Details			2	4	4						10
Horizontal Control Sheets			2	1							3
Demolition Plans				4	4						8
Staking Plans			2	4	4						10
Drainage Details											0
P&P Sheets		2	2	4	4						12
Cross Culvert Details		4	12		12						28
Cross Culvert P&P											0
Channel P&P											0
Signing and Marking											0
Signing Summary			1	2	2						5
Traffic Signal Plans			1	1	2						4
Sound Wall Sheets			4	4	4						12
Landscaping Plans		2	2								4
Erosion Control Plans		2	2								4
Stage IV Cross Sections - 50' Intervals				4	4						8
Stage IV Cost Estimate		2	4								6
Stage IV Special Provisions		4	4								8
<b>Stage IV Total</b>	<b>0</b>	<b>16</b>	<b>44</b>	<b>34</b>	<b>51</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>145</b>
<b>3.20.4 - Stage V - Final PS&amp;E Assembly (PS&amp;E Phase)</b>											
Cover					1						1
General Notes			1	1							2
Design Data & Pavement Sections			1	1							2
Typical Sections			1	2	1						4
Summary Sheets				2	2						4
Roadway Details				2	2						4
Horizontal Control Sheets				1	1						2
Demolition Plans				2	2						4
Staking Plans				2	2						4
Drainage Details											0
P&P Sheets			4	4	4						12
Cross Culvert Details		2	4		4						10
Cross Culvert P&P											0
Channel P&P											0
Signing and Marking											0
Signing Summary			2	2	2						6
Traffic Signal Plans				2	2						4
Sound Wall Sheets			2	2	2						4
Landscaping Plans		2									2
Erosion Control Plans		2									2
Stage V Cross Sections - 50' Intervals				2	2						4
Stage V Cost Estimate		2	2								4
Stage V Final Special Provisions		2	2								4
<b>Stage V Total</b>	<b>0</b>	<b>10</b>	<b>19</b>	<b>25</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>81</b>
<b>3.20.5 - Quality Control Review</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>
<b>3.20.6 - Pre-Bid Services</b>	<b>0</b>	<b>16</b>	<b>16</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>
<b>Preparation of Construction Documents Total</b>	<b>0</b>	<b>116</b>	<b>224</b>	<b>178</b>	<b>239</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>729</b>
<b>PROJECT Workhours Total</b>	<b>10</b>	<b>366</b>	<b>328</b>	<b>322</b>	<b>377</b>	<b>106</b>	<b>106</b>	<b>182</b>	<b>92</b>	<b>56</b>	<b>1905</b>



**EXHIBIT A: ESTIMATED DIRECT EXPENSES**

TRAVEL: Phoenix Staff				
Mileage:	<u># of Trips</u>	<u>avg. mi. per trip</u>	<u>Cost/mi.</u>	<u>Cost</u>
	4	220	\$0.55	\$484.00
Car:	<u># of Trips</u>		<u>Cost/trip</u>	<u>Cost</u>
	4		\$150.00	\$600.00
Air:	<u># of Trips</u>		<u>Cost/trip</u>	<u>Cost</u>
				\$0.00
Lodging:	<u>Nights</u>	<u>People</u>	<u>Cost/night</u>	<u>Cost</u>
	4	2	\$65.00	\$520.00
Per Diem:	<u>Meal</u>	<u># of Meals</u>	<u>Cost/Meal</u>	<u>Cost</u>
	Breakfast	0	\$8.00	\$0.00
	Lunch	0	\$12.00	\$0.00
	Dinner	0	\$15.00	\$0.00

**TOTAL TRAVEL = \$1,604**

**COMMUNICATIONS**

	<u>No. of Deliveries</u>	<u>Cost per Delivery</u>	<u>Cost</u>
Fed-Ex, DDS Delivery, etc.	50	\$15.00	\$750.00
			\$0.00
<u>Project Website</u>			
Web Hosting Setup			\$0.00
Web Hosting (IH&M) (6 months @ \$50/month)			\$0.00

**TOTAL COMMUNICATIONS = \$750**

**REPRODUCTIONS:**

Plan Submittal/Reports Reproduction (See EXHIBIT B) \$1,416  
 PAG (Pima Association of Governments) Orthophoto and DEM/LIDAR \$500

**Copies other than reports**

	<u>No. of Copies</u>	<u>Cost per Copy</u>	<u>Cost</u>
Color Copies			
8 1/2"x11"	500	\$1.00	\$500.00
11"x17" (Exhibits)	100	\$1.50	\$150.00
Black & White Copies			
8 1/2"x11"	250	\$0.25	\$62.50
11"x17"	200	\$0.35	\$70.00
PS&E 24"x36" Mylars		\$10.00	\$0.00

**TOTAL REPRODUCTIONS = \$2,698**

**EXHIBITS:**

	<u>No. of Copies</u>	<u>Cost per Copy</u>	<u>Cost</u>
Meeting Exhibits on Aerial Photo_200 scale	15	\$8.00	\$120.00
Misc. Meeting Exhibits on Aerial Photo_200 scale	10	\$8.00	\$80.00

**TOTAL EXHIBITS = \$200**

**SPECIALIZED VENDORS:**

	<u>Cost</u>
	\$0.00
	\$0.00

**TOTAL SPECIALIZED VENDORS = \$0**

**TOTAL OF DIRECT EXPENSE ITEMS = \$5,252**

**EXHIBIT B: PLAN SUBMITTAL/REPORTS REPRODUCTION**

Type of Report	Covers & Binding	Black & White				Color Copies				COST PER REPORT	No. of Copies	TOTAL
		8 1/2"x11"		11"x17"		8 1/2"x11"		11"x17"				
		Pages	Cost per Copy	Pages	Cost per Copy	Pages	Cost per Copy	Pages	Cost per Copy			
3.2.1 - Quality Control Plan	\$5.00	20	\$1.00	0	\$0.35	0	\$0.75	0	\$1.50	\$25.00	2	\$50
3.20.1 - Stage I/II Plans	\$5.00	0	\$0.25	50	\$0.35	0	\$0.75	0	\$1.50	\$22.50	15	\$338
3.20.2 - Stage III Plans	\$5.00	0	\$0.25	105	\$0.17	0	\$0.75	0	\$1.50	\$22.85	15	\$343
3.20.3 - Stage IV Plans	\$5.00	0	\$0.25	105	\$0.17	0	\$0.75	0	\$1.50	\$22.85	15	\$343
3.20.4 - Stage V Plans	\$5.00	0	\$0.25	105	\$0.17	0	\$0.75	0	\$1.50	\$22.85	15	\$343
REPORTS TOTAL =												\$1,416



# CERTIFICATE OF LIABILITY INSURANCE

1/1/2018

DATE (MM/DD/YYYY)

2/6/2017

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

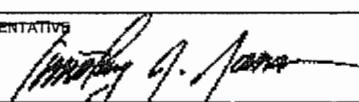
<b>PRODUCER</b> Lockton Insurance Brokers, LLC 725 S. Figueroa Street, 35th Fl. CA License #0F15767 Los Angeles CA 90017 (213) 689-0065	<b>CONTACT NAME:</b> <b>PHONE (A/C, No, Ext):</b>	<b>FAX (A/C, No):</b>
	<b>E-MAIL ADDRESS:</b>	
<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
<b>INSURER A: *** SEE ATTACHMENT ***</b>		
<b>INSURER B:</b>		
<b>INSURER C:</b>		
<b>INSURER D:</b>		
<b>INSURER E:</b>		
<b>INSURER F:</b>		

**COVERAGES** AECTE01      **CERTIFICATE NUMBER:** 14500437      **REVISION NUMBER:** XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			NOT APPLICABLE			EACH OCCURRENCE	\$ XXXXXXXX
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident)	\$ XXXXXXXX
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE	\$ XXXXXXXX
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A	SEE ATTACHED ACORD 101	1/1/2017	1/1/2018	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT	\$ 1,000,000
							E.L. DISEASE - EA EMPLOYEE	\$ 1,000,000
							E.L. DISEASE - POLICY LIMIT	\$ 1,000,000

**DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)**  
 Notice of Cancellation applies per attached endorsement. Rc: DOT 57 HURF, Bopp Road, Sarasota Boulevard at Kinney Road Improvements (4KINBO). Waiver of Subrogation applies per attached endorsement(s) or policy language.

<b>CERTIFICATE HOLDER</b> <b>14500437</b> Pima County Department of Transportation Bob Roggenthen, Project Manager 1313 S. Mission Road Tucson AZ 85713	<b>CANCELLATION</b> See Attachments  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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# ACORD 101

Policy #	Issuing Company	State(s) Covered
0910715	The Insurance Company of the State of Pennsylvania - NAIC #19429	OH
014629409	The Insurance Company of the State of Pennsylvania - NAIC #19429	FL
014629410	The Insurance Company of the State of Pennsylvania - NAIC #19429	ME
014629404	The Insurance Company of the State of Pennsylvania - NAIC #19429	IL,KY
014629408	The Insurance Company of the State of Pennsylvania - NAIC #19429	MA,ND,OH,WA,WI,WY
014629406	American Home Assurance Company - NAIC #19380	CA
014629407	The Insurance Company of the State of Pennsylvania - NAIC #19429	AK, AL, AR, AZ, CC, CT, DC, DE, GA, HI, IA, ID, IL, IN, KS, KY, LA, MD, MI, MN, MO, MS, MT, NC, NE, NH, NJ, NM, NV, NY,OK, OR, PA, RI, SC, SD, TN, TX, UT, VA, VT, WV
014629403	The Insurance Company of the State of Pennsylvania - NAIC #19429	IL,WA - NWP Entity Only
014629405	The Insurance Company of the State of Pennsylvania - NAIC #19429	CO,ID,NM,SC,TN - NWP Entity Only
014629411	The Insurance Company of the State of Pennsylvania - NAIC #19429	TN - project specific policy for CH2M Oak Ridge, LLC
014629412	The Insurance Company of the State of Pennsylvania - NAIC #19429	NV Combat Support Services

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

This endorsement changes the policy to which it is attached effective on the inception date of the policy unless a different date is indicated below.

(The following "attaching clause" need be completed only when this endorsement is issued subsequent to preparation of the policy).

This endorsement, effective 12:01 AM 1/1/2017 forms a part of Policy No. SEE ATTACHED ACORD 101

Issued to AECOM  
AECOM Technical Services, Inc.

By \*\*\* SEE ATTACHMENT \*\*\*

**LIMITED ADVICE OF CANCELLATION TO SCHEDULED ENTITIES  
(WORKERS' COMPENSATION ONLY)**

This policy is amended as follows:

In the event that the Insurer cancels this policy for any reason other than non-payment of premium, and

1. the cancellation effective date is prior to this policy's expiration date;
2. the **Named Insured** or, if applicable, any other employers named in Item 1 of the Information Page is under an existing contractual obligation to notify a certificate holder(s) when this policy is canceled (hereinafter, the "Certificate Holder(s)") and the **Named Insured** has provided the **Insurer**, either directly or through its broker of record, either:
  - (a) the name of the entity shown on the certificate, a contact name at such entity and the U.S. Postal Service mailing address of each such entity; or
  - (b) the email address of a contact at each such entity; and
3. prior to the effective date of cancellation, the **Named Insured** confirms to the Insurer, either directly or through its broker of record, that the persons or organizations set forth in the Schedule below, as well as their respective addresses listed, should continue to be a part of the Schedule and, if not, the names of the persons or organizations that should be deleted,

the **Insurer** will provide advice of cancellation (the "Advice") to each such Certificate Holder(s) confirmed by the **Named Insured** in writing to be correctly a part of the Schedule within 30 days after the **Named Insured** confirms the accuracy of the Schedule below with the **Insurer**; provided, however, that if a specific number of days is not stated above, then the Advice will be provided to such Certificate Holder(s) as soon as reasonably practicable after the **Named Insured** confirms the accuracy of the Schedule below with the **Insurer**.

Proof of the **Insurer** emailing the Advice, using the information provided and subsequently confirmed by the **Named Insured** in writing, will serve as proof that the **Insurer** has fully satisfied its obligations under this endorsement.

This endorsement does not affect, in any way, coverage provided under this policy or the cancellation of this policy or the effective date thereof, nor shall this endorsement invest any rights in any entity not insured under this policy.

The following definitions apply to this endorsement:

1. **Named Insured** means the first named employer in Item 1 of the Information Page of this policy.
2. **Insurer** means the insurance company shown in the header on the Information Page of this policy.

WC 99 00 58  
(Ed. 04/11)

## WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

This endorsement changes the policy to which it is attached effective on inception date of the policy unless a different date is indicated below.

(The following "attaching clause" need be completed only when this endorsement is issued subsequent to preparation of the policy.)

This endorsement, effective 12:01 AM 1/1/2017 forms a part of Policy No. See Attached Form 101

Issued to AECOM  
AECOM Technical Services, Inc.

By THE INSURANCE COMPANY OF THE STATE OF PENNSYLVANIA

Premium INCLUDED

We have the right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against the person or organization named in the Schedule. This agreement applies only to the extent that you perform work under a written contract that requires you to obtain this agreement from us.

This agreement shall not operate directly or indirectly to benefit anyone not named in the Schedule.

### Schedule

ANY PERSON OR ORGANIZATION WITH WHOM YOU HAVE ENTERED INTO A CONTRACT, A CONDITION OF WHICH REQUIRES YOU TO OBTAIN THIS WAIVER FROM US. THIS ENDORSEMENT DOES NOT APPLY TO BENEFITS OR DAMAGES PAID OR CLAIMED:

1. PURSUANT TO THE WORKERS' COMPENSATION OR EMPLOYERS' LIABILITY LAWS OF KENTUCKY, NEW HAMPSHIRE, OR NEW JERSEY; OR,
2. BECAUSE OF INJURY OCCURRING BEFORE YOU ENTERED INTO SUCH A CONTRACT.

This form is not applicable in California, Kentucky, New Hampshire, New Jersey, North Dakota, Ohio, Tennessee, Texas, Utah, or Washington

**WC 00 03 13**  
**(Ed. 4-84)**



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
02/06/2017

**THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.**

**IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).**

<b>PRODUCER</b> Marsh Risk & Insurance Services CA License #0437153 777 South Figueroa Street Los Angeles, CA 90017 Attn: LosAngeles.CertRequest@Marsh.Com 06510 -STND-GAU-E-16-17	<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): E-MAIL ADDRESS: FAX (A/C, No):																					
06      2019	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> </thead> <tbody> <tr> <td>INSURER A :</td> <td>Zurich American Insurance Company</td> <td>16535</td> </tr> <tr> <td>INSURER B :</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>INSURER C :</td> <td>Illinois Union Insurance Co</td> <td>27960</td> </tr> <tr> <td>INSURER D :</td> <td></td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> <td></td> </tr> </tbody> </table>	INSURER(S) AFFORDING COVERAGE		NAIC #	INSURER A :	Zurich American Insurance Company	16535	INSURER B :	N/A	N/A	INSURER C :	Illinois Union Insurance Co	27960	INSURER D :			INSURER E :			INSURER F :		
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**COVERAGES      CERTIFICATE NUMBER:      LOS-002057255-01      REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>COMMERCIAL GENERAL LIABILITY</b>  <input type="checkbox"/> CLAIMS-MADE <input checked="checked" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="checked" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			GLO 5965891 08	04/01/2016	04/01/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
A	<b>AUTOMOBILE LIABILITY</b>  <input checked="checked" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS  <b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE  DED      RETENTION \$			BAP 5965893 08	04/01/2016	04/01/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ EACH OCCURRENCE \$ AGGREGATE \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE    OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
C	<b>ARCHITECTS &amp; ENG. PROFESSIONAL LIAB.</b>			EON G21654693 "CLAIMS MADE"	04/01/2016	04/01/2017	Per Claim/Agg \$2,000,000 Defense Included

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 Re: DOT 57 HURF; Bopp Road, Sarasota Boulevard at Kinney Road Improvements (4KINBO)

Pima County Department of Transportation, its departments, districts, boards, commissions, officers, officials, agents, and employees are named as additional insured for GL & AL coverages, but only as respects work performed by or on behalf of the named insured and where required by written contract. Waiver of Subrogation is applicable where required by written contract with respect to GL and AL. This insurance is primary and non-contributory over any existing insurance and limited to liability arising out of the operations of the named insured and where required by written contract with respect to the GL & AL coverages.

CERTIFICATE HOLDER	CANCELLATION
Pima County Department of Transportation Attn: Bob Roggenhen / Project Manager 1313 S. Mission Road Tucson, AZ 85713	<p>SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.</p> <p>AUTHORIZED REPRESENTATIVE                  of Marsh Risk &amp; Insurance Services                  James L. Vogel </p>

POLICY NUMBER: BAP 5965893-08

COMMERCIAL AUTO  
CA 20 48 10 13

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## DESIGNATED INSURED FOR COVERED AUTOS LIABILITY COVERAGE

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM  
BUSINESS AUTO COVERAGE FORM  
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by this endorsement.

This endorsement identifies person(s) or organization(s) who are "insureds" for Covered Autos Liability Coverage under the Who Is An Insured provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage Form.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

**Named Insured:**

AECOM and Its Subsidiaries

**Endorsement Effective Date:**

04/01/2016

### SCHEDULE

**Name Of Person(s) Or Organization(s):**

ONLY THOSE WHERE REQUIRED BY WRITTEN CONTRACT.

Any person or organization to whom or to which you are required to provide additional insured status or additional insured status on a primary, non-contributory basis, in a written contract or written agreement executed prior to loss, except where such contract or agreement is prohibited by law.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

Each person or organization shown in the Schedule is an "insured" for Covered Autos Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured provision contained in Paragraph **A.1.** of Section **II** – Covered Autos Liability Coverage in the Business Auto and Motor Carrier Coverage Forms and Paragraph **D.2.** of Section **I** – Covered Autos Coverages of the Auto Dealers Coverage Form.



**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## **WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US (WAIVER OF SUBROGATION)**

This endorsement modifies insurance provided under the following:

AUTO DEALERS COVERAGE FORM  
BUSINESS AUTO COVERAGE FORM  
MOTOR CARRIER COVERAGE FORM

With respect to coverage provided by this endorsement, the provisions of the Coverage Form apply unless modified by the endorsement.

This endorsement changes the policy effective on the inception date of the policy unless another date is indicated below.

<b>Named Insured:</b> AECOM and its Subsidiaries <b>Endorsement Effective Date:</b> 04/01/2016
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### **SCHEDULE**

<b>Name(s) Of Person(s) Or Organization(s):</b> Only those where required by written contract
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The **Transfer Of Rights Of Recovery Against Others To Us** condition does not apply to the person(s) or organization(s) shown in the Schedule, but only to the extent that subrogation is waived prior to the "accident" or the "loss" under a contract with that person or organization.

POLICY NUMBER: GLO 5965891-08

COMMERCIAL GENERAL LIABILITY  
CG 20 26 04 13

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

## ADDITIONAL INSURED – DESIGNATED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

### SCHEDULE

**Name Of Additional Insured Person(s) Or Organization(s):**

Only those where required by written contract.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

**A. Section II – Who Is An Insured** is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by your acts or omissions or the acts or omissions of those acting on your behalf:

1. In the performance of your ongoing operations; or
2. In connection with your premises owned by or rented to you.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and

2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

**B. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
  2. Available under the applicable Limits of Insurance shown in the Declarations;
- whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

C. For the purposes of the coverage provided by this endorsement:

1. The following is added to the Other Insurance Condition of Section IV – Commercial General Liability Conditions:

**Primary and Noncontributory Insurance**

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured provided that:

- a. The additional insured is a Named Insured under such other insurance; and  
b. You are required by written contract or written agreement that this insurance be primary and not seek contribution from any other insurance available to the additional insured.
2. The following paragraph is added to Paragraph 4.b. of the Other Insurance Condition of Section IV – Commercial General Liability Conditions:

This insurance is excess over:

Any of the other insurance, whether primary, excess, contingent or on any other basis, available to an additional insured, in which the additional insured on our policy is also covered as an additional insured on another policy providing coverage for the same "occurrence", offense, claim or "suit". This provision does not apply to any policy in which the additional insured is a Named Insured on such other policy and where our policy is required by a written contract or written agreement to provide coverage to the additional insured on a primary and non-contributory basis.

All other terms and conditions of this policy remain unchanged.

## Additional Insured-Owners, Lessees or Contractors (Primary Insurance)



Policy No.	Eff. Date of Pct.	Exp. Date of Pct.	Eff. Date of End.	Producer No.	Add'l. Prem.	Return Prem.
GLO 5965891-08	04/01/2016	04/01/2017	04/01/2016	75320-000		

**THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.**

This endorsement modifies insurance provided under the:

**Commercial General Liability Coverage Part**

### SCHEDULE

**Name of Person or Organization:**

Only those as required by written contract

(If no entry appears above, information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement.)

- A. Section II – Who Is An Insured is amended to include as an additional insured the person or organization shown in the Schedule above, but only with respect to liability arising out of your ongoing operations performed for that additional insured.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a written contract or written agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the written contract or written agreement to provide for such additional insured.

- B. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits of Insurance;

If coverage provided to the additional insured is required by a written contract or written agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the written contract or written agreement; or
2. Available under the applicable Limits of Insurance shown in the Declarations; whichever is less.

This endorsement shall not increase the applicable Limits of Insurance shown in the Declarations.

## WAIVER OF TRANSFER OF RIGHTS OF RECOVERY AGAINST OTHERS TO US

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART  
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

### SCHEDULE

**Name Of Person Or Organization:**

Only those where required by written contract

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

The following is added to Paragraph **8. Transfer Of Rights Of Recovery Against Others To Us** of **Section IV – Conditions:**

We waive any right of recovery we may have against the person or organization shown in the Schedule above because of payments we make for injury or damage arising out of your ongoing operations or "your work" done under a contract with that person or organization and included in the "products-completed operations hazard". This waiver applies only to the person or organization shown in the Schedule above.