

BOARD OF SUPERVISORS AGENDA ITEM REPORT CONTRACTS / AWARDS / GRANTS

Award Contract C Grant

Requested Board Meeting Date: 01/16/18

* = Mandatory, information must be provided

or Procurement Director Award [

*Contractor/Vendor Name/Grantor (DBA):

Consultant Engineering, Inc. (Headquarters: Phoenix, AZ), HDR Construction Control Corporation (Omaha, NE)

*Project Title/Description:

Construction Surveillance and Inspection Services for Transportation Capital Improvement Projects

*Purpose:

Award: Master Agreement No. MA-PO-18-184. This award of master agreement is recommended to the two (2) highest qualified consultants in an annual shared amount not to exceed \$500,000.00 for an initial one (1) year agreement term from 01/16/18 to 01/15/19 which may be extended for up to four (4) additional one-year terms. Administering Department: Transportation

Board of Supervisors Policy D 29.4 authorizes the Procurement Director to execute annual renewals in an amount not to exceed the annual amount approved by the Board of Supervisors. This is an indefinite delivery/indefinite quantity master agreement.

*Procurement Method:

Solicitation for Qualifications No. 271551 was conducted in accordance with A.R.S. § 34-604 and Pima County Board of Supervisors Policy D 29.1. Five (5) responsive statements of qualifications were received and evaluated by a three (3) member committee using qualifications and experience-based selection criteria. Based upon the evaluation of the respondents' written representations of their qualifications and necessary due diligence, the final list of the two (2) highest qualified consultants is recommended for award.

Attachments: Notice of Recommendation for Award and Consultant Services Master Agreement

*Program Goals/Predicted Outcomes:

To provide the Department of Transportation the option of utilizing Consultants' Inspection Services to compensate for an increased work load.

*Public Benefit:

The Department of Transportation will have the appropriate number of inspectors, on any given project, assuring the contractor's work is being performed according to the plans and specifications.

*Metrics Available to Measure Performance:

Performance will be measured by the department completing the Consultant Performance Evaluation Form in accordance with the Pima County Board of Supervisors Policy D 29.1(E).

*Retroactive:

Nο

To: COB 12-29-2017

PSS.: 59

Revised 8/2017

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DEC 2917PM Q258 PC CLK OF BD.

Contract / Award Information	
Document Type: MA Department Code: PO	Contract Number (i.e., 15-123): 18-184
Effective Date: 01/16/18 . Termination Date: 01/15/19	Prior Contract.Number (Synergen/CMS):
⊠ Expense Amount: \$* 500,000.00	Revenue Amount: \$
*Funding Source(s) required: Various Funds	
Funding from General Fund? OYes No If Yes \$	%
Contract is fully or partially funded with Federal Funds? *Is the Contract to a vendor or subrecipient?	☐ Yes 🖾 No
Were insurance or indemnity clauses modified?	☐ Yes ⊠ No
lf Yes, attach Risk's approval	
Vendor is using a Social Security Number?	☐ Yes ☒ No
If Yes, attach the required form per Administrative Procedure	22-73.
Amendment Planta of Amend Information	
Amendment / Revised Award Information	Contract humber (i.e. 45 499)
	Contract Number (i.e.,15-123):
Amendment No.:	AMS Version No.:
Effective Date:	New Termination Date:
	Prior Contract No. (Synergen/CMS):
OExpense or ORevenue OIncrease ODecrease	Amount This Amendment: \$
, , , , , , , , , , , , , , , , , , ,	/es \$
*Funding Source(s) required:	
Funding from General Fund? OYes ONo If	Yes \$
Grant/Amendment Information (for grants acceptance and	awards) O Award O Amendment
Document Type: Department Code:	Grant Number (i.e., 15-123):
Effective Date: Termination Date:	Amendment Number:
Match Amount: \$	
*All Funding Source(s) required:	
*Match funding from General Fund? OYes ONo If	Yes \$%
*Match funding from other sources? OYes ONo If *Funding Source:	Yes\$%
*If Federal funds are received, is funding coming directly Federal government or passed through other organization	
79-5-71	
Contact: Anthony V. Schiavone	home radiene 12/22/17
Contact: Anthony V. Schiavone Anthony Department: Procurement	The state of the s
Department: Procurement	Telephone: (520) 724-3245 12/26/1
Department: Procurement Department Director Signature/Date:	The state of the s
Department: Procurement Department Director Signature/Date: Deputy County Administrator Signature/Date:	Telephone: (520) 724-3245 12/26/1
Department: Procurement Department Director Signature/Date:	Telephone: (520) 724-3245 12/26/1

Revised 8/2017

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PROCUREMENT

NOTICE OF RECOMMENDATION FOR AWARD

Date of Issue: December 11, 2017

The Pima County Procurement Department hereby issues formal notice to respondents to Solicitation for Qualifications No. 271551 Construction Surveillance and Inspection Services for Transportation Capital Improvement Projects that the following listed respondents will be recommended for award as indicated below. The award action is scheduled to be performed by the Pima County Board of Supervisors on or after January 16, 2018.

Award is recommended to the Most Qualified Respondents (listed alphabetically)

AWARDEE NAMES ·

Consultant Engineering, Inc.

HDR Construction Control Corporation

OTHER RESPONDENT NAMES

AECOM Technical Services, Inc.

Horrocks Engineers, Inc.

WSP USA, Inc.

NOTE: Information regarding this solicitation will be disclosed in accordance with A.R.S. § 34-604(H).

Issued by: /s/ Anthony V. Schiavone

Telephone Number: (520) 724-3245

This notice is in compliance with Pima County Procurement Code §11,20.010(C).

Copy to: Pima County SBE via e-mail at SBE@pima.gov.

PIMA COUNTY DEPARTMENT OF TRANSPORTATION

PROJECT:

CONSTRUCTION SURVEILLANCE AND

INSPECTION SERVICES FOR TRANSPORTATION CAPITAL IMPROVEMENT PROJECTS

CONSULTANTS:

Consultant Engineering, Inc. 7777 E. Valencia Road

Tucson, AZ 85745

HDR Construction Control Corporation

1 S. Church Avenue Tucson, AZ 85701

AMOUNT:

\$500,000.00

FUNDING:

Various Funds

CONTRACT

NO. MA-PU-18-184

AMENDMENT NO.

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

(stamp here)

CONSULTANT SERVICES MASTER AGREEMENT

This Agreement, hereinafter also referred to as Contract, is entered into between Pima County, a body politic and corporate of the State of Arizona, hereinafter called COUNTY, and Consultant Engineering, Inc. and HDR Construction Control Corporation, hereinafter called CONSULTANT in the singular, CONSULTANTS in the plural, and all collectively referred to as the Parties.

WITNESSETH

WHEREAS, COUNTY has a need to establish a Master Agreement ("Agreement") with two (2) Consultants for Construction Surveillance and Inspection Services for Transportation Capital Improvement Projects; and

WHEREAS, COUNTY therefore conducted a competitive qualifications-based procurement for these services under Solicitation No. 271551; and

WHEREAS, as a result of the above solicitation, based on an evaluation of the respondents' representations of their qualifications and necessary due diligence, COUNTY selected the highest qualified CONSULTANTS; and

WHEREAS, the CONSULTANTS have agreed to be bound by and adhere to the requirements of this Agreement.

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

ARTICLE 1 - BASIC TERMS

This Master Agreement (Agreement), as approved by the Board of Supervisors commences on January 16, 2018 and terminates on January 15, 2019, unless sooner terminated or further extended pursuant to the provisions of this Agreement. This Agreement establishes the terms under which the CONSULTANTS will be assigned and perform tasks and projects under this Agreement. COUNTY, at its sole discretion, may extend up to four (4) additional one-year terms or add funding to this Agreement at any time with the acknowledgement of the CONSULTANTS and the Board of Supervisors or the Procurement Director approval pursuant to Board of Supervisor Policy D29.4.

Individual Delivery Orders (DO) will be issued to the selected CONSULTANT to perform the work. Each DO will be an independent contract that will incorporate and be subject to the terms of this Agreement. The terms "DO" and "Contract" are used interchangeably in this Agreement.

ARTICLE 2 - SCOPE OF SERVICES

CONSULTANT shall provide for COUNTY all labor, materials and equipment necessary to complete the work identified in individual Delivery Orders awarded to CONSULTANT under this Agreement. The scope of work under this Agreement is more fully set forth in **EXHIBIT 'A': SCOPE OF SERVICES** (1 page) attached to this Agreement. All work shall be done per specifications called for in Delivery Orders and this Agreement including all other incorporated documents, all made a part hereof. In the event any provision of this Agreement is inconsistent with those of any other document, the Agreement provisions will prevail.

ARTICLE 3 - COMPENSATION AND PAYMENT

CONSULTANT'S fees and method of compensation shall be based on an Hourly Not-to-Exceed Basis or other method mutually agreeable to both Parties at the time services are requested in accordance with provisions described in **EXHIBIT** 'B': **COMPENSATION SCHEDULE** (14 pages), attached to this Agreement.

Hourly rates and all other rates included under this Agreement shall remain fixed throughout the term of the contract. COUNTY may consider adjustments to rates in connection with any extensions of the contract term

All invoices shall 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 Delivery Order for which those costs were incurred. The time accounting information should be sufficient to show the worker and hours worked by day for the period covered by the invoice. Subconsultant charges shall be supported by appropriate documentation with each separate invoice submitted. All invoices must reference the COUNTY Delivery Order number.

For the period of record retention required under Article 22 – BOOKS AND RECORDS, 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 Agreement or law.

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 (Enter Contracting Agency Representative's Name, Address, and Fax Number here).

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 Agreement. 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 Agreement survive expiration or termination of the Agreement, 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.

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 Agreement. The laws and regulations of the State of Arizona govern the rights of the Parties, the performance of this Agreement, and any disputes hereunder. Any action relating to this Agreement must be brought and maintained in Superior Court in Pima County. Any changes in the governing laws, rules, and regulations during the term of this Agreement apply, but do not require an amendment.

ARTICLE 7 - INDEPENDENT CONSULTANT STATUS

The status of CONSULTANT is that of an independent consultant 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/SUBCONSULTANT PERFORMANCE

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

CONSULTANT shall be 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 shall correct or revise any errors, omission, or other deficiencies in all products of its efforts and other services provided. This shall include 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/accepting the products or the services. Correction of such deficiencies shall be at no cost to COUNTY.

ARTICLE 9 - ASSIGNMENT

CONSULTANT will not assign its rights to this Agreement 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.

<u>ARTICLE 10 - NON-DISCRIMINATION</u>

CONSULTANT agrees to comply with all provisions and requirements of Arizona Executive Order 2009-09 which is hereby incorporated into this Agreement as if set forth in full herein including flow down of all provisions and requirements to any SUBCONTRACTORS. During the performance of this Agreement, 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 11 - 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 12 - AUTHORITY TO CONTRACT

CONSULTANT warrants its right and power to enter into this Agreement. If any court or administrative agency determines that COUNTY does not have authority to enter into this Agreement, COUNTY will not be liable to CONSULTANT or any third party by reason of such determination or by reason of this Agreement.

ARTICLE 13 – 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 Agreement 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 14 - CANCELLATION FOR CONFLICT OF INTEREST

This Agreement 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 Agreement within ten (10) days of receipt of notice from COUNTY of the default, COUNTY may, in its sole discretion, terminate this Agreement 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 Agreement, 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 Agreement;
 - 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:
 - 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 payment for services satisfactorily rendered; and
 - 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 COUNTY in either its sovereign or contractual capacity,
 - (iii) Acts of another contractor in the performance of a Contract with 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 Agreement.

- 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 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 Agreement.

ARTICLE 16 – TERMINATION FOR CONVENIENCE OF COUNTY

COUNTY may terminate this Agreement 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 Agreement 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 Agreement, COUNTY may terminate this Agreement if for any reason the Pima County Board of Supervisors does not appropriate sufficient monies for the purpose of maintaining this Agreement. 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 by CONSULTANTS under this Agreement will be in writing and will be served by delivery or by certified mail upon the other Party as follows:

COUNTY:

Ana Olivares, P.E. Department Director Department of Transportation 201 N. Stone Ave. Tucson, AZ 85701 Tel: (520) 724-6436

Any Notice required or permitted to be given by COUNTY may be served by personal delivery or certified mail to CONSULTANT'S contact name in CONSULTANT'S electronic vendor record.

ARTICLE 19 - NON-EXCLUSIVE CONTRACT

CONSULTANT understands that this Agreement is Non-Exclusive and is for the sole convenience of COUNTY. COUNTY reserves the right to obtain like services from other sources for any reason.

ARTICLE 20 - OTHER DOCUMENTS

CONSULTANT and COUNTY in entering into this Agreement have relied upon information provided in Solicitation for Qualifications # 271551 and on representations and information in the CONSULTANT'S response to said SFQ. These documents are hereby incorporated into and made a part of this Agreement as if set forth in full herein, to the extent not inconsistent with the provisions of this Agreement. CONSULTANT shall perform services in accordance with the terms of the Agreement and at a level of care consistent with prevailing industry standards. In the event any provision of this Agreement is inconsistent with those of any other document, the Contract provisions will prevail.

ARTICLE 21 - OWNERSHIP OF DOCUMENTS

All original drawings, boring logs, field data, estimates, field notes, plans, specifications, documents, reports, calculations, maps and models, and other information developed by CONSULTANT under this Agreement 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 record copies thereof.

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 Agreement 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 - REMEDIES

Either Party may pursue any remedies provided by law for the breach of this Agreement, provided, however, that the procedures in ARTICLE 26 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 Agreement.

ARTICLE 24 - SEVERABILITY

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

ARTICLE 25 – 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 26 - DISPUTES

In the event of a dispute between COUNTY and CONSULTANT regarding any part of this Agreement 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 Agreement and CONSULTANT'S counterpart official, such meeting to be held within one (1) 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 Agreement notwithstanding the existence of any dispute.

<u>ARTICLE 27 – PUBLIC INFORMATION</u>

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

ARTICLE 28 - LEGAL ARIZONA WORKERS ACT COMPLIANCE

CONSULTANT hereby warrants that it will at all times during the term of this Agreement 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 Agreement 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 Agreement subjecting CONSULTANT to penalties up to and including suspension or termination of this Agreement. 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 29 - ISRAEL BOYCOTT CERTIFICATION

CONSULTANT hereby certifies that it is not currently engaged in, and will not for the duration of this Agreement 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 Agreement.

The remainder of this page is left intentionally blank.

ARTICLE 30 - 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 Agreement 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 Agreement on the dates written below.

APPROVED:	CONSULTANT:
	maker Sale of
Chair, Board of Supervisors	Signature
Date	Name and Title (Please Print)
	12/27/2017 Date
ATTEST:	
Clerk of the Board	
APPROVED AS TO FORM:	
Jun 1	
Deputy County Attorney TOBIN ROSEN	
Name (Please Print)	

ARTICLE 30 - ENTIRE AGREEMENT

Date

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 Agreement 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 Agreement on the dates written below.

APPROVED:	CONSULTANT:
	3 x Br
Chair, Board of Supervisors	Signature
	BARRY K. BROWN
Date	Name and Title (Please Print)
	1Z/Z8/17 Date
ATTEST:	
Clerk of the Board	inger in de la company de la c
APPROVED AS TO FORM:	The state of the s
fin	
Deputy County Attorney	· · · · · · · · · · · · · · · · · · ·
TOBIN ROSEN	•
Name (Please Print)	

EXHIBIT 'A' - SCOPE OF SERVICES (1 Page)

CONSTRUCTION SURVEILLANCE AND INSPECTION SERVICES FOR TRANSPORTATION CAPITAL IMPROVEMENT PROJECTS

Pima County is seeking Statements of Qualifications to provide Construction Surveillance and Inspection Services on a variety of Pima County Department of Transportation roadway construction projects in the Tucson metropolitan area, including Green Valley.

The scope of work includes the provision of a Project Inspection Supervisor/Manager or Supervisors/Managers to supervise crews of inspectors and the provision of an inspection crew of up to four (4) Project Inspectors at any given time with various skill levels (technicians, lead inspector, project supervisor) to conduct construction surveillance, and the inspection, sampling, testing and documenting of construction activities. Typical Construction Surveillance/Inspection Services may include, but are not limited to:

- Performance of all levels of construction inspections, materials sampling and testing in accordance with Pima County/City of Tucson Standard Specifications and Details, current edition:
- Performance of surveillance of construction work on a daily basis or as directed by the COUNTY:
- Maintenance of detailed daily logs and records showing the type, amount and location of work performed by construction contractors under contract with the COUNTY;
- Construction administration services such as measuring work and approving pay applications.
- Provision of advisory services to the COUNTY regarding compliance of construction activities with construction plans and specifications;
- Maintenance of accurate records regarding redlined plans and specifications and other field notes sufficient for the purpose of COUNTY staff to prepare as-built drawings;
- Liaison on behalf of COUNTY with contractors:
- Provision of all necessary clothing, safety equipment, vehicles and any other equipment to the CONSULTANT'S personnel that are necessary for performance of CONSULTANT'S above duties;
- Provision of other related services as required by the COUNTY.

Pima County Field Engineering CIP Section is responsible for inspecting and documenting activities on various construction projects such as roadway projects including landscaping, drainage protection projects, intersection improvement projects, street lighting and sidewalk improvement projects.

Construction activities which require inspection consist of roadways with medians, curbs, sidewalks, traffic signals, lighting, utility work, retaining walls, soil nail walls, soil cement walls, noise walls, drainage facilities, box culverts, landscape and irrigation, SWPPP, signing and striping, and bridge structures.

The Supervisor/Manager must have at least five (5) years of experience in the supervision and management of inspection staff, contract administration and field issue resolution, and possess an engineering background. The supervisor will work under the direction of the Pima County Department of Transportation Field Engineering Division Manager. The inspectors must have at least two (2) years of experience in sampling, testing, and documenting construction and be certified by the American Concrete Institute and the Arizona Technical Testing Institute. The inspectors will work under the direction of either Pima County staff and/or the Consultant's Inspection Supervisor/Manager.

<u>EXHIBIT 'B'</u> <u>COMPENSATION SCHEDULE 14 (pages)</u>





Pima County Solicitation for Qualifications No. 271551
Construction Surveillance and Inspection Services for Transportation Capital Improvement Projects

Consultant Engineering, Inc. Loaded Hourly Unit Rates

CONSULTANT ENGINEERING, INC.		
JOB TITLE	HOURLY RATE	OVERTIME RATE (40+ hrs)
Principal	\$260.30	\$260.30
Sr. Resident Engineer, PE	\$228.50	\$228.50
Resident Engineer, PE	\$174.50	\$174.50
Inspection Supervisor/Manager	\$145.10	\$170.00
Sr. Construction Inspector/Office Manager	\$116.90	\$137.00
Construction Technician	\$102.10	\$119.60
RLS	\$159.20	\$159.20
CADD	\$110.20	\$129.10
1 Man Survey Crew	\$159.20	\$186.50
2 Man Survey Crew	\$245.00	\$287.00
ROW Agent / Appraiser	\$128.60	\$128.60
RLA	\$125.50	\$125.50
Construction Cost Estimator	\$174.50	\$174.50
Construction Scheduler	\$174.50	\$174.50
Laboratory Testing (QT)	see attached per-tes	st rates

Hourly / Overtime Rates:

. Consultant

- Unit Rates = [base rate + overhead + cell + vehicle lease + vehicle operation and maintenance + computer/internet] + fee %
- Overtime Unit Rates = [(base rate + overhead) + (50% base rate) + cell + vehicle lease + vehicle operation and maintenance + computer/internet] + fee %

All rates rounded to nearest \$.10.

Direct Expenses: As approved by client. No additional charge for computer, internet, air card, phone, vehicle, mileage or travel time within city limits. For assignments outside of Tucson City limits, travel time will be charged along with mileage at \$.445 / mile.

Subconsultants

DEIH, LLC - see attached

Quality Testing, LLC - see attached (for testing rates)

Wheat Design Group, Inc. - see attached



December 14, 2017

Alissa Connelly Contract Administrator Consultant Engineering Inc. 10625 N 25th Ave., Ste 200 Phoenix, Arizona 85029

RE: Pima County Department of Transportation Construction Surveillance and Inspection Services for Transportation CIP Projects Solicitation for Qualifications No. 271551

Dear Alissa,

Thank you for the opportunity to allow DEIH, L.L.C. to provide you with a cost proposal for the above referenced project.

Below are the unit rates costs as requested:

Job Title	Hourly Rate	Overtime Rate (40+ hrs.)
Project Manager		
Sr. Construction Inspector	\$111.88	\$137.23
Construction Inspector	\$96.48	\$117.98
Technician	\$85.70	\$104.50

- Hourly Rates= [[Hourly rate + overhead + cell + Vehicle lease & O&M + iT] + Fee %]
- Overtime Hourly Rates= [[Hourly rate + overhead] + [50% Hourly rate] + cell + vehicle lease & O&M + IT] + Fee%
- Other Direct Expenses will be billed at cost.

Shall you have any questions please feel free to call me at 602.509.6721.

Thank you,

Daniel Hinojos

Managing Member

PIMA COUNTY CONSTRUCTION SURVEILLANCE & INSPECTION SERVICES FOR TRANSPORTATION CIP PROJECTS

EXHIBIT B - COMPENSATION SCHEDULE

QUALITY TESTING, LLC (QT) QT JOB 17119.00 SUB to CEI

Date Prepared:

12/15/17

DIRECT LABOR

JOB TITLE	HOURLY BILLING RATE (REG)		HOURLY BILLING RATE (OT)	
Resident Engineer (T2)	\$	191.21	\$	191.21
Chief Inspector (S9)	\$	134.03	\$	158.03
Lead Inspector/Materials Coordinator (S7)	\$	103.43	\$	122.06
Inspector (S6)	\$	84.11	\$	99.25
Field Technician (S5)	\$	68.50	\$	80.84
Test Data Technician / Runner (S4)	\$	58.78	\$	69.37

HOURLY BILLING RATE (REG) = (Base Rate)(100% + OH%)(100% + FEE%) + VEH + COMM HOURLY BILLING RATE (OT) = (Base Rate)(100% + OH%)(100% + FEE%) + VEH + COMM + (Base Rate)(50%) Base Rates = Typical Base Rates for the Position (do not vary for the contract)

OTHER DIRECT COSTS

Vehicle & Communications Costs Included in DIRECT LABOR
Any Other Approved Direct Costs will be Billed as Pass Through Costs

LAB TESTING CHARGES

See Attached "Construction Materials Testing Services Fee Schedule (Effective 2017)" for Test Unit Prices Unit Test Prices already include DIRECT LABOR

There is no additional labor charge associated with Lab Testing at QT Lab Facilities



Quality Testing 175 S. Hamilton Place Bld 6, Ste 114 Glibert, AZ 85233 (480)496-2000, (480)496-2001 FAX www.qt-az.com

CONSTRUCTION MATERIALS TESTING SERVICES FEE SCHEDULE (Effective 2017)

www.qt-az.com	UNIT	RATE (\$)		UNIT	RATE (\$)
			SOIL & AGGREGATE (NOT INCLUDING FIELD LABOR)		
PERSONNEL (Portal to Portal)	Hourly	Quote	401 Bulk Density & Voids (ASTM C28, AASHTO T19)	Each	47.00
	Hourly	Quote	401 Bulk Defisity & Voids (ASIM C29, AASH10 F19) 402 Flakiness Index (ARIZ 233C)	Each	77.00
	Hourly	Quote	403 Flat & Elongated Particles in CA (ASTM D4791)	Each	112.00
	Hourly	Quote	404 Fractured Particles in CA (Fractured Faces) (ASTM D5821)	Each	97.00
AU Dissettlink of Pacifican and related Pilling Pates	Hourly	Quote	405 Abrasion of Coarse Aggregate (LA) (ASTM C131, AASHTO T96)	Each	150.00
All Direct Labor Positions and related Billing Rates	Hourly	Quote	406 Sulfate Soundness of Aggregates (ASTM C88, T104)	Each	260.00
are developed on a case by case basis,	Hourly	Quote	407 Uncompacted Voids of Fine Aggregate (ASTM C1252, AASHTO T304)	Each	77.00
depending on the specific scope	Hourly	Quote	408 Moisture Determination (ASTM D2216, D4944, AASHTO T265, T217)	Each	26.00
and contract structure.	Hourly	Quote	409 In-Situ Moisture / Unit Wt. (ring sample) (ASTM D2216, AASHTO T265)	Each	26.00
	Hourly	Quote	410 Plasticity Index, Dry Prep (ASTM D4318, AASHTO T89, T90)	Each	67.00
All Laboratory Testing Unit Rates	Hourly	Quote	411 Plasticity Index, Wet Prep (ASTM D4318, AASHTO T89, T90)	Each	117.00
	Hourly	Quote	412 Proctor, Modified (ASTM D1557, AASHTO T180)	Each	130.00
are defined below.	Hourly	Quote	413 Proctor, Standard (ASTM D698, AASHTO T99)	Each	120.00
	Hourly	Quote	414 Proctor, Soil Cement Mixtures (ASTM D558, AASHTO T134)	Each	125.00
	Hourly	Quote	415 Sand Equivalent (ASTM D2419, AASHTO T176)	Each	82.00
Overtime (technician positions)	Multiplier	1.50	416 Sieve Analysis (ASTM C136, C117, AASHTO T27, T11)	Each	72.00
Overtime (technician positions)	-	1.00	417 Specific Gravity/Absorption (Coarse Agg.)(ASTM C127, AASHTO T85)	Each	46.00
OTHERS DIRECT CHARGES (ODCs)			418 Specific Gravity/Absorption (Fine Agg.)(ASTM C128, AASHTO T84)	Each	62.00
OTHERS DIRECT CHARGES (ODCS)	Rnd-Trip	Quote	419 Specific Gravity of Soils (ASTM D854, AASHTO T100)	Each	92.00
	Rnd-Trip	Quote	420 pH Determination (ASTM D2976, ARIZ 236)	Each	43.00
Vehicle and ODC Billing Rates are developed on a	Mile	Quote	421 Resistivity Determination (ARIZ 236)	Each	52.00
	Each-Day	Quote	422 Hydrometer Analysis (ASTM D422, AASHTO T88)	Each	95.00
case by case basis for the specific contract.	Hourly	Quote	423 Shrinkage Factor (AASHTO T92)	Each	105.00
	Hodriy	Quoto	424 Expansion Index (ASTM D4829)	Each	120.00
CONCRETE AND MASONRY (NOT INCLUDING FIELD LABOR)			425 One Dimensional Swell/Settlement (ASTM D4546)	Each	95.00
•	Each	14.00	426 California Bearing Ratio (CBR) (3 points) (ASTM D1883, AASHTO T193)	Each	460.00
301 Compressive Strength, Cylindrical Specimen (ASTM C39, AASHTO T22) 302 Flexural Beam Testing (ASTM C78, AASHTO T97)	Each	35.00	427 Direct Shear Test (per point)(ASTM D3080, AASHTO T236)	Each	77.00
302 Plexitial Bearn Testing (ASTM C78, AASHTO T97) 303 Obtain Concrete Cores (ASTM C42, AASHTO T24)	Each	LABOR	428 Unconfined Compressive Strength (ASTM D2166, AASHTO T208)	Each	77.00
303 Obtain Concrete Cores (ASTM C42, AASH10 124) 304 Trim Concrete Specimen	Each	9.00	429 One Dimensional Consolidation (ASTM D2435, AASHTO T216)	Each	92.00
305 Masonry Grout Prisms, Compressive Strength (ASTM C1019)	Each	22.00	430 Remolding Soil Sample (ARIZ 249)	Each	27.00
306 Mortar Cubes, Compressive Strength (ASTM C109)	Each	22.00	431 Field Percolation Test	Each	Quote
307 Mortar Cylinders, Compressive Strength (ASTM C780)	Each	22.00	432 Clay Lumps & Friable Particles in Aggregates (ASTM C142, AASHTO T112)	Each	96.00
308 CMU, Net Area/Absorption (ASTM C 140)	Each	48.00	433 Collapse Potential of Soils (ASTM D5333)	Each	92.00
309 CMU, Compressive Strength (ASTM C140)	Each	48.00	434 Lightweight Pieces in Aggregate (ASTM C123, AASHTO T113)	Each	97.00
310 CMU, Full Set (6 CMU Total)(ASTM C140)	Set	255.00	435 Triaxial Shear Test (ASTM D7181/4767/2850, AASHTO T297/T296)	Each	Quote
311 Masonry Prism, Grouted, Compressive Strength (ASTM C1314)	Each	110.00			
312 Masonry Prism, Ungrouted, Compressive Strength (ASTM C1314, C140)	Each	110.00	ASPHALT MIXTURES (NOT INCLUDING FIELD LABOR)		
313 Shotcrete Panel Core, Compressive Strength (ASTM C42, C39, AASHTO T22, T24)	Each	45.00	501 Core Bulk Specific Gravity/Thickness (ASTM D2726, AASHTO T166)	Each	20.00
314 Concrete Floor Moisture Vapor Emission Rate	Each	35.00	502 Core Bulk Specific Gravity/Thickness (Coated) (ASTM D1188, AASHTO T275)	Each	30.00
315 Concrete Mix Design	Each	Quote	503 Drill AC Cores (up to 8" thickness)	Each	30.00
313 Odnorote Mix Besign			504 Ignition Oven - Calibration (per mix) (ASTM D6307, Т308)	Each	699.00
			505 Ignition Oven - Asphalt Cement Content (ASTM D6307, AASHTO Т308)	Each	125.00
			506 Ignition Oven - Gradation (ASTM C136, AASHTO T27)	Each	72.00
			507 Marshall Specimen Bulk Density (ASTM D6926, D2726, AASHTO T245)	Set of 3	135.00
			508 Marshall Stability & Flow (ASTM D6927)	Set of 3	15.00
			509 Maximum Specific Gravity of HMA Mixture (ASTM D2041, T209)	Set of 3	155.00
			510 Gyratory Compaction (ASTM D6925, D2726, AASHTO T312, T166)	Set of 2	190.00
			511 Nuclear Asphalt Content Gauge - Calibration (ASTM D4125, T287)	Each	750.00
			512 Moisture Induced Damage of HMA (TSR) (ASTM D4867, AASHTO T283)	Set of 6	550.00
	•		513 Asphalt Concrete Mix Design	Each	Quote
			514 Quantitative Extraction of Hot Mix Asphalt (HMA)(ASTM D2172, AASHTO T164)	Each	Quote
			The state of the s		



Quality Testing 175 S. Hamilton Place 175 S. Hamilton Piace Bld 6, Ste 114 Gilbert, AZ 85233 (480)496-2000, (480)496-2001 FAX

CONSTRUCTION MATERIALS TESTING SERVICES FEE SCHEDULE (Effective 2017)

Silling	UNIT	RATE (\$)		UNIT	RATE (\$)
ASPHALT CEMENT			EMULSIONS & CUTBACK ASPHALT		
601 PG Verification (AASHTO M320)	Each	775.00	701 Emulsion Verification, RS-1, RS-2, SS-1, SS-1h (ASTM D977, AASHTO M140)	Each	875.00
602 PG Classification (AASHTO R29)	Each	975.00	702 Emulsion Verification, HFRS-2 (ASTM D977, AASHTO M140)	Each	975.00
603 Dynamic Shear Rheometer (ASTM D7175, AASHTO T315)	Each	175.00	703 Emulsion Verification, QS-1H (ASTM D977, AASHTO M140)	Each	650,00
604 Dynamic Shear Rheometer, Temp Sweep (ASTM D7175, AASHTO Т315)	Each	225.00	704 Emulsion Verification, CRS-1, CRS-2, CSS-1, CSS-1h (ASTM D2397, м208)	Each	875.00
605 Bending Beam Rheometer (ASTM D6648, AASHTO T313)	Each	225.00	705 Emulsion Verification, CQS-1h (ASTM D2397, AASHTO M208)	Each	725.00
606 Bending Beam Rheometer with RTFO/PAV Aging	Each	425.00	706 Emulsion Verification, CQS-1h (MAG 713)	Each	875.00
607 Bending Beam with Physical Hardening (АSTM D6648, AASHTO Т313)	Each	380.00	707 Identification of Cationic Slow Setting Emulsion (AASHTO T59)	Each	125.00
608 Rotational Viscosity (ASTM D4402, AASHTO T316)	Each	90.00	708 Identification of Cationic Slow Setting Emulsion (AASHTO T59, Section 27)	Each	250.00
609 Rotational Viscosity, (ASTM D2994, ASTM D4878/D5018)	Each	115.00	709 Emulsified Asphalt/Aggregate Coating (AASHTO T59)	Each	115.00
610 Rotational Viscosity, Temp Sweep 3 Points (ASTM D4402, AASHTO T316)	Each	210.00	710 Residue by Evaporation (ASTM D244, AASHTO T59)	Each	90.00
611 Rotational Viscosity, Temp Sweep 4 Points (ASTM D4402, AASHTO T316)	Each	250.00	711 Residue by Evaporation (ASTM D2393, CT331)	Each	135.00
612 Pressure Aging Vessel (ASTM 6521, AASHTO R28)	Each	175.00	712 Residue by Evaporation, Low Temperature (ASTM D7497)	Each	225,00
613 Rolling Thin Film Oven (ASTM D2872, AASHTO T240)	Each	125.00	713 Residue and Oil Distillate by Distillation (ASTM D244, AASHTO T59)	Each	180.00
614 Rolling Thin Film Oven with Mass Loss (ASTM D2872, AASHTO T240)	Each	135.00	714 Vaccum Distillation of Modified Emulsion (ARIZ 504)	Each	225.00
615 Multiple Stress Creep Recovery (MSCR) (ASTM 7405, AASHTO T350)	Each	350.00	715 Density of Emulsified Asphalt (ASTM D6837, AASHTO T59)	Each	95.00
616 Absolute Viscosity (140°F, 60°C) (ASTM D2171, AASHTO T202)	Each	90.00	716 Low Temperature Distillation (ASTM D244, AASHTO T59)	Each	275.00
617 Kinematic Viscosity (275°F, 135°C or 140°F, 60°C) (ASTM D2170, AASHTO T201)	Each	130.00	717 Float Test (ASTM D139)	Each	115.00
618 Ductility of Bituminous Materials (ASTM D113, AASHTO T51)	Each	115.00	718 Distillate Fraction on Cutback (ASTM D402, AASHTO T78)	Each	250,00
619 Elastic Recovery (ASTM D6084, AASHTO T301)	Each	135.00	719 Demulsibility (ASTM D244, AASHTO T59)	Each	105.00
620 Flash & Fire Point, Cleveland Open Cup, (ASTM D92, AASHTO T48)	Each	90.00	720 Cement Mixing Test	Each	115.00
621 Flash & Fire Point, Cleveland Open Cup, co-polymer product (ASTM D92, AASHTO T48)	Each	135.00	721 Coating (SE214) (AASHTO T59)	Each	65.00
622 Flash & Fire Point, Tag Open Cup (ASTM D3143, AASHTO T79)	Each	90.00	722 High Float Emulsion Verification (ASTM D977, AASHTO M140)	Each	950.00
623 Penetration (@ Temperatures other than 77°F; 25°C) (ASTM D5, AASHTO T49)	Each	95.00	723 Particle Charge (ASTM D244, AASHTO T59)	Each	80,00
624 Penetration (@ 77°F; 25°C) (ASTM D5, AASHTO T49)	Each	90.00	724 pH Determination	Each	80.00
625 Penetration Grade (PG) Asphalt Verification (AASHTO M20)	Each	550.00	725 Saybolt Furol Viscosity (ASTM DBB, AASHTO T72)	Each	130.00
626 Softening Point of Bitumen (Ring & Ball) (ASTM D36, AASHTO T53)	Each	95.00	726 Settlement, 5-Day (ASTM D244, AASHTO T59)	Each	175.00
627 Specific Gravity of Binder (ASTM D70, AASHTO T228)	Each	95.00	727 Sieve Test (ASTM D244, AASHTO T59)	Each	85,00
628 Soulubility of Asphalt Materials in Tricloroethylene (ASTM D2042, AASHTO T44)	Each	180.00	728 Storage Stability, 1-Day (ASTM D244, AASHTO T59)	Each	135.00
629 Water in Petroleum Products (ASTM D95, AASHTO T55)	Each	250.00	729 Resistance to Water (ASTM D2939)	Each	225.00
The state of the s			730 Resistance to Freezing (ASTM D2939)	Each	135.00
ASPHALT RUBBER			731 Resistance to Heat (ASTM D2939)	Each	225.00
650 Brookfield Viscosity (ASTM D2994 or ASTM D501B)	Each	115.00	732 Resistance to Kerosene (ASTM D2939)	Each	415.00
651 Brookfield Viscosity Crack Sealant (ASTM D2196)	Each	135.00	733 Freezing (ASTM D6929, AASHTO T59)	Each	150.00
652 Rotational Viscosity	Each	90.00	133 Trooping (Norm Baszs, 70 Orm Pros)	Lacin	
653 Resilience (ASTM D5329)	Each	90.00			
654 Specific Gravity of Crumb Rubber (ASTM D1817, CT208)	Each	175.00			
· · · · · · · · · · · · · · · · · · ·	Each	135.00			
655 Bulk Density of Crumb Rubber 656 Rubber Gradation (ASTM C136)	Each	80.00			
·	Each	80.00			
657 Haake Viscosity		95,00			
658 Cone Penetration (ASTM D5329, AASHTO T59)	Each	ສຸວ.ບບ			
			,		

COMPENSATION SCHEDULE

DATE:

12/14/2017

For: Consultant Engineering, Inc. (CEI)

PROJECT:

Pima County Construction Surveillance and Inspection Services Master

PREPARED BY:

Laura Mielcarek, Principal

Wheat Design Group, Inc.

Job Title	Hourly Rate			Job Title Hourly Rate Overtime Rate			vertime Rate (40+ hrs)
Project Manager	\$	159.47	\$	186.97			
Landscape Inspector	\$	111.63	\$	130.88			



Solicitation for Qualifications No. 271551 EXHIBIT "B' – COMPENSATION SCHEDULE FOR MASTER SERVICE AGREEMENT

Prime Consultant: HDR Construction Control Corporation

Date: December 15, 2017

Job Title	Hourly Rate	*Overtime Rate (+40 hrs./week)
Project Manager	\$245.91	\$245.91
Sr. Resident Engineer	\$199.96	\$199.96
Resident Engineer	\$162.22	\$162.22
Inspection Supervisor / Manager	\$143.45	\$143.45
Sr. Construction Inspector	\$109.94	\$109.94
Construction Inspector	\$86.20	\$86.20
Construction Technician	\$67.90	\$67.90
Field Office Manager	\$109.94	\$109.94
Utility Coordinator	\$109.94	\$109.94
Project Schedule Reviewer	\$195.51	\$195.51
Construction Cost Estimator	\$201.59	\$201.59
Independent Construction Expert	\$232.33	\$232.33
Registered Landscape Architect	\$147.29	\$147.29
Registered Land Surveyor	\$172.60	\$172.60
Project Administrator	\$101.44	\$101.44

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*Overtime premium is included	in the overhead	l pool as part of	general in	direct labor
Other direct expenses will be at	cost			

Signature:	Maker Salah	Date:_	12/15/2017
	Maher Salah, Associate VP		



Solicitation for Qualifications No. 271551 EXHIBIT "B' – COMPENSATION SCHEDULE FOR MASTER SERVICE AGREEMENT

Consultant: HDR Construction control Corporation
Subconsultant - ATEK Engineering Consultants, LLC
Due Date: December 15, 2017

Job Title	Hourly Rate	Overtime Rate (+40 hrs./week)
Inspection Supervisor / Manager	\$121.43	\$121.43
Sr. Construction Inspector	\$76.15	\$95.19
Construction Inspector	\$69.05	\$86.32
Construction Technician	\$45.41	\$56.76
Senior Laboratory Technician	\$70.60	\$88.26
Laboratory Technician	\$48.25	\$60.31

Signature:

911-1/ PRINCIPAL

Date: 12/21/17



Laboratory Unit Rate Schedule

Laboratory Tests - Soils & Rock	
Moisture-Density Relations (Proctors)	
Standard (ASTM D698)	\$120.00
Modified (ASTM D1557)	\$135.00
Sieve Analysis (ASTM C136), each	
Full Sieve Analysis, Coarse & Fine (ASTM C136 & C117)	\$75.00
-#200 Fraction Only (ASTM D1140)	\$45.00
Plasticity Index (Atterberg limits) (ASTM D4318), each	
Dry Preparation	\$65.00
Wet Preparation	\$105.00
Expansion (ASTM D4546)	
Remolded (Swell, Constant Surcharge)	\$125.00
Moisture Only (ASTM D2216)	\$15.00
Expansion Index (ASTM D4829)	\$150.00
Specific Gravity (ASTM C127/C128)	\$74.00
pH & Resistivity (AZ 236)	\$150.00
Sulfate Contents (ARIZ 733a)	\$34.00
Chloride Contents (ARIZ 736a)	\$34.00
<u>Laboratory Tests - Concrete</u>	
Compression Tests (Curing & Capping) (ASTM C39)	
Concrete Cylinder, Mortar Cylinders (includes mold), each	\$14.00
Hold Cylinders, Not Tested	\$14.00
Flexural Beams (includes mold clean-up)	\$58.00
Concrete & Rock Cores (with trim)	\$30.00
Grout Prisms, each	\$14.00
Laboratory Tests - Asphaltic Concrete	
Ignition & Gradation of Bituminous Mixtures (ASTM D2171)	\$130.00
Without Gradation (asphalt content)	\$96.00
Marshall Bulk Density (Specific Gravity) (ASTM D2726), each	φοσίου
Field Sample (lab compacted) - set of 3	\$115.00
Maximum Theoretical Specific Gravity, Rice (ASTM D2041), each	\$140.00
Asphalt Core Barrel use, each core	\$10.00
Core Unit Weight, each	\$25.00
Core Thickness, each	\$15.00



Solicitation for Qualifications No. 271551 EXHIBIT "B' – COMPENSATION SCHEDULE FOR MASTER SERVICE AGREEMENT

Consultant: HDR Co	enstruction control Corporation
Subconsultant -	DEIH, L.L.C.
Due Date	: December 15, 2017

Job Title	Hourly Rate	Overtime Rate (+40 hrs./week)
Project Manager		
Sr. Resident Engineer		
Resident Engineer		
Inspection Supervisor / Manager	\$111.88	\$137.23
Sr. Construction Inspector		
Construction Inspector	\$96.48	\$117.98
Construction Technician	\$85.70	\$104.50
Field Office Manager		
Utility Coordinator		
Project Schedule Reviewer		
Construction Cost Estimator		
Independent Construction Expert		
Registered Landscape Architect		
Registered Land Surveyor		
Project Administrator		

- Hourly Rates= [[Hourly rate + overhead + cell + Vehicle lease & O&M + IT] + Fee %]
- Overtime Hourly Rates= [[Hourly rate + overhead] + [50% Hourly rate] + cell + vehicle lease & O&M + IT} + Fee%
- Other Direct Expenses will be billed at cost.

Signature:

Daniel Hinojos, Managing Member

Date: 12/14/2017



Solicitation for Qualifications No. 271551 EXHIBIT "B' – COMPENSATION SCHEDULE FOR MASTER SERVICE AGREEMENT

Consultant: HDR Construction control Corporation

Subconsultant - MTAPIA Engineering, LLC

Due Date: December 15, 2017

Job Title	Hourly Rate	Overtime Rate (+40 hrs./week)
Project Manager	\$180.25	\$180.25
Sr. Resident Engineer	\$167.37	\$167.37
Resident Engineer	\$160.93	\$159.77
Inspection Supervisor / Manager	\$ 97.85	\$117.42
Sr. Construction Inspector	\$ 90.12	\$108.15
Construction Inspector	\$ 66.95	\$ 80.34
Construction Technician	\$ 51.50	\$ 61.80
Field Office Manager	\$ 97.85	\$117.42
Utility Coordinator	\$ 90.00	\$108.00
Project Schedule Reviewer	N/A	N/A
Construction Cost Estimator	N/A	N/A
Independent Construction Expert (PE)	\$160.93	\$160,.93
Registered Landscape Architect	\$ 90.12	\$ 90.12
Registered Land Surveyor	N/A	N/A
Project Administrator	\$ 56.65	\$ 67.98

Signature:

Manuel Tapla Ir., FE/President

Date: December 14, 2017



Solicitation for Qualifications No. 271551 EXHIBIT "B' – COMPENSATION SCHEDULE FOR MASTER SERVICE AGREEMENT

Consultant: HDR Construction control Corporation

Subconsultant - Ninyo & Moore

Due Date: December 15, 2017

Job Title	Hourly Rate	Overtime Rate (+40 hrs./week)
Principal Engineer/Geologist	180.00	270.00
Senior Engineer/Geologist	150.00	225.00
Senior Project Engineer/Geologist	140.00	210.00
Project Engineer/Manager	120.00	180.00
Senior Staff Engineer	115.00	172.5
Staff Engineer/Geologist	110.00	165.00
Field Operations Manager	100.00	150.00
GIS Analyst	100.00	150.00
Special Inspector	80.00	120.00
Supervisory/Senior Inspector	75.00	112.50
NDT Technician	75.00	112.50
Senior Field/Lab Technician	75.00	112.50
Field/Lab Technician	65.00	97.50
Laboratory Assistant	55,00	82.50
Data Processor/Technical Editor	55.00	82.50

Signature:

Fred Narcaroti, Principal

Date: 12/14/17

Schedule of Fees for Laboratory Testing Laboratory Test, Test Designation, and Price Per Test

Abertings Limits D.418, CT 204 \$ 100 Compression Tests, Rat Z Cyrinder, C 33 \$ 2.5 Chioris and Suffetic Content. CT 417 & CT 422 \$ 115 Choracidisticin D.2455, CT 219 \$ 300 Consolidation D.2455, CT 219 \$ 3 70 Choracidisticin D.2455, CT 219 \$ 3 80 Choracidisticin D.2455, CT 219 \$ 3 80 Choracidisticin D.2455, CT 219 Choracidisticin D.2455, CT	SOILS			CONCRETE	
California Bearing Ratin (CRM), D. 1863. \$45 Controlled and Sulface Content, CT 47 & CT 42 CT 22 \$175 Consolidation, D. 2435, CT 219 \$300 Controlled to Sulface Content, CT 47 & CT 42 CT 42 \$175 Consolidation, D. 2435, CT 219 \$300 Controlled to Sulface, D. 2435, CT 219 \$300 Controlled to Sulface, CT 57 \$300 Cont		\$	160		\$ 25
Chierion and Suffeit Content, CT 417 & CT 427 & S 175 Concrete five Design, parTinel Rateh, 6 lythiode ACI S 825 Consolication - Time Rateh, D 2435, CT 219 S 705 Concrete Consolication - Time Rateh, D 2435, CT 219 S 75 S 300 Dring Shear - Femotical, D 3000 S 275 S 300 Dring Shear - Femotical, D 3000 S 275 S 300 Dring Shear - Femotical, D 3000 S 275 S 300 Dring Shear - Femotical, D 3000 S 275 S 300 Dring Shear - Femotical, D 3000 S 275 S 300 Dring Shear - Femotical, D 3000 S 275 S 300 Dring Shear - Femotical, D 3000 S 275 S 300 Dring Shear - Femotical, D 3000 Dring Shear - Femotical, D 3000 Dring Shear - D	California Bearing Ratio (CBR), D 1883	\$	485		
Consolidation, D 245, CT 219	Chloride and Sulfate Content, CT 417 & CT 422	\$	175		
Consolidation — Time Rate, D. 2435, CT 219 \$ 75 Direct Shear — Remoded, D. 3000 \$ 355 Direct Shear — Remoded, D. 3000 \$ 275 Flavouril Test, C 72 \$ 65 Direct Shear — Remoded, D. 3000 \$ 275 Expansion Potential (Webtod A), D. 4569, B. 9 \$ 100 Dutacilly Index, C 72 \$ 165 Expansion Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Declarity Index of Potential (Webtod A), D. 4569, B. 9 \$ 100 Decl				Concrete Cores, Compression (excludes sampling), C 42	\$ 60
Direct Shear - Hemoleted, p. 0.3896 \$ 255					
Direct Shear - Undisturbed, D. 3960. \$ 275 Florum Test, C. 293 \$ 65					
Durability Index, CT 229 \$ 165					
Expansion Index, D. 4629, IBC 18-3 510					
Expersion Potential (Method A), 0 4546 \$ 160					
Geotabric Tersile and Elongation Test, 1 6432 \$ 180			160		
Hydrautic Conductivity, D 5064 \$ 300 Petrographic Analysis, C 556 \$ 1,900 \$			180	Lightweight Concrete Fill, Compression, C 495	\$ 45
Hydrometer Analysis D 422, C T 203 \$ 200 Moisture Only, D 2716, CT 2726 \$ 30 Moisture Only, D 2716, CT 2726 \$ 35 \$ 35 \$ 35 \$ 36 \$			330	Petrographic Analysis, C 856	\$ 1,900
Moisture, Ash, & Organic Netfer of Peal/Organic Solls \$ 120 Moisture and Density, D 2307 \$ 3 Formeshilly, C D 2307 \$ 45 More Pearly, D 2307 \$ 45 Permeshilly, D 160, D 2414, CT 220. \$ 255 pil and Resistivity, CT 643 \$ 175 Proctor Density D 157, D 698, CT 216, & ASPHALT CONCRETE AASHTO T-188 (Prock corrections add \$100) \$ 20 Asphalt Wiscons, D 157, D 698, CT 216, & Asphalt Wiscons, D 240 Asphalt Wiscons, D 157, D 698, CT 217 \$ 10 Sieve Analysis, D 422 CT 202 \$ 10 Flore Missis, D 200 Wash, D 1140, CT 202 \$ 10 Flore Missis, D 200 Wash, D 1140, CT 202 \$ 10 Flore Missis, D 200 Wash, D 1140, CT 202 \$ 10 Flore Missis, D 200 Wash, D 1140, CT 202 \$ 10 Flore Missis, D 200 Wash, D 1140, CT 202 \$ 10 Flore Missis, D 200 Wash, D 1140, CT 202 \$ 10 Flore Missis, D 200 Wash, D 1140, CT 202 \$ 10 Flore Missis, D 200	Hydrometer Analysis, D 422, CT 203	\$	220	Restrained Expansion of Shrinkage Compensation	\$ 270
Moisture and Density), D2897 \$ 45	Moisture, Ash, & Organic Matter of Peat/Organic Soils	\$	120		
Permeability, CH, D 2434, CT 220. \$ 255 Product Density D 1567, D 698, CT 216, & 50 Product Density D 1567, D 698, CT 216, & 50 ASPHOLT CONCRETE AV Voids, T 289. \$ 610 ASPHOLT CONCRETE AV	Moisture Only, D 2216, CT 226	\$	35	3x6 Grout, (CLSM), C 39	\$ 45
Ph and Resistivity, CT 643			45	2x2x2 Non-Shrink Grout, C 109	\$ 45
ARSHTO T-160 (Rock corrections and \$100). R-value, D. 2844, CT 301. S 295 ARSHTO T-170 (Rock corrections and \$100). \$ 200 R-value, D. 2844, CT 301. S 295 Sand Equivalent, D. 2419, CT 217. \$ 100 Sieve Analysis, D. 422, CT 202. \$ 130 Sieve Analysis, D. 422, CT 202. \$ 130 Sieve Analysis, D. 428, D. 422, CT 202. \$ 130 Sieve Analysis, D. 428, D. 422, CT 202. \$ 100 Sieve Analysis, D. 404, CT 305. Sieve Analysis, D. 404, CT 306. S 206 Sieve Analysis, D. 404, CT 306. S 207 Sieve Analysis, D. 404, CT 307 Sieve Analysis, D. 404, CT 306. S 208 S 208 S 208 S 208 Marshall Shalit, Including Gradation, D. 2172, CT 382. \$ 240 Flim Stripping, CT 302. \$ 100 Floraxid Shear, C. U., w/pore pressure, D. 4767, T. 2297 per pt. \$ 365 Traixid Shear, C. U., w/pore pressure, D. 4767, T. 2297 per pt. \$ 365 Traixid Shear, C. U., w/pore pressure, D. 4767, T. 2297 per pt. \$ 365 Unconfined Compression, D. 2166, T. 208 \$ 100 Superpave, Saphati Mix Design, Cattrans (evc. Aggregate Quality). \$ 200 Mas Density, D. 454 Marshall Shality, Flow and Unit Weight, D. 1560, T. 246, CT 396. \$ 240 Traixid Shear, C. U., w/pore pressure, D. 4767, T. 2297 per pt. \$ 365 Misshall Shality, Flow and Unit Weight, D. 2041, CT 309. \$ 150 Missture Scorelant Unit Weight, D. 2041, CT 309. \$ 150 Missture Scorelant Unit Weight, D. 2041, CT 309. \$ 150 Missture Scorelant Unit Weight, D. 2041, CT 309. \$ 150 Missture Sussepplish and Tensie Stress Rato, T. 239, CT 31. \$ 100 Superpave, Asphalt Mix Design, Cett. Took Absorption, D. 2166, T. 208 Superpave, Asphalt Mix Design, Cett. Took Absorption, T. 404, CT 309. \$ 150 Mas Density, D. 1168 \$ 100 Superpave, Asphalt Mix Design, Cett. Took Absorption, T. 404, CT 309. \$ 150 Mas Density, D. 1168 \$ 100 Superpave, Asphalt Mix Design, Review, Job Spoc. \$ 100 Superpave, Asphalt Mix Design, Lett. Took Absorption, T. 239, CT 31. \$ 100 Voids in Mineral Aggregate, (WAA) CT LP-2. \$ 100 Voids in Mineral Aggregate, (WAA) CT LP-2. \$ 100 Voids in Mineral Aggregate, (WAA) CT	Permeability, CH, D 2434, CT 220	\$	255		
AASHTO T-160 (Rock corrections act \$100) \$ 200 Aspiral kM Design, Caltrans (excl. Aggregate Quality) \$ 2800 Aspiral kM Design, Caltrans (excl. Aggregate Quality) \$ 2800 Aspiral kM Design, Review, Job Spore Sieve Analysis, 200 Wash, D 1140, CT 202 \$ 130 Sieve Analysis, 200 Wash, D 1140, CT 202 \$ 130 Sieve Analysis, 200 Wash, D 1140, CT 202 \$ 130 Specific Gravity, D 854.	pH and Resistivity, CT 643	\$	175	ASPHALT CONCRETE	
AASHTO T-160 (Rock corrections act \$100) \$ 200 Aspiral kM Design, Caltrans (excl. Aggregate Quality) \$ 2800 Aspiral kM Design, Caltrans (excl. Aggregate Quality) \$ 2800 Aspiral kM Design, Review, Job Spore Sieve Analysis, 200 Wash, D 1140, CT 202 \$ 130 Sieve Analysis, 200 Wash, D 1140, CT 202 \$ 130 Sieve Analysis, 200 Wash, D 1140, CT 202 \$ 130 Specific Gravity, D 854.	Proctor Density D 1557, D 698, CT 216, &			Air Voids, T 269	\$ 50
R-value, D 2844, CT 301	AASHTO T-180 (Rock corrections add \$100)	\$	200	Asphalt Mix Design, Caltrans (excl. Aggregate Quality)	\$ 2,800
Sand Equivalent, D. 2419, CT 217			295		
Sieve Analysis, D 420, CT 202	Sand Equivalent, D 2419, CT 217	\$	110		
Sieve Analysis, 200 Wash, D 1140, CT 202 \$ 100	Sieve Analysis, D 422, CT 202	\$	130		
Specific Gravity, D. 854	Sieve Analysis, 200 Wash, D 1140, CT 202	\$	100	Film Stripping, CT 302	\$ 110
Themal Resistivity (ASTM 5334, IEEE 442)	Specific Gravity, D 854	\$	100	Hveem Stability and Unit Weight D 1560, T 246, CT 366	\$ 215
Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt. \$ 365 Moisture Content, CT 370 \$ 85 Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt. \$ 210 Moisture Susceptibility and Tensile Stress Ratio, T 238, CT 371 \$ 1,000 Triaxial Shear, U.U., D 2850 \$ 120 Superpave, Asphalt MIx Verification (nd. Aggregate Quality). \$ 5,200 Wax Density, D 1188 \$ 100 Superpave, Asphalt MIx Verification (nd. Aggregate Quality). \$ 5,200 Superpave, Asphalt MIx Verification (nd. Aggregate Quality). \$ 5,200 Superpave, Asphalt MIx Verification (nd. Aggregate Quality). \$ 5,200 Superpave, Asphalt MIx Verification (nd. Aggregate Quality). \$ 5,200 Superpave, Asphalt MIx Verification (nd. Aggregate Quality). \$ 5,200 Superpave, Asphalt MIx Verification (nd. Aggregate Quality). \$ 5,200 Superpave, Asphalt MIx Verification (nd. Aggregate Quality). \$ 5,200 Superpave, Asphalt MIx Verification, Canded Superpave, As	Thermal Resistivity (ASTM 5334, IEEE 442)	\$	880	Marshall Stability, Flow and Unit Weight, T 245	\$ 240
Triaxial Shear, C.U., who gore pressure, D 4767, T 2297 per pt \$ 210			430	Maximum Theoretical Unit Weight, D 2041, CT 309	\$ 150
Triaxial Sheart, U.J., D 2850 \$ 155 Sturry Wet Track Abrasion, D 3910 \$ 150 Unconfined Compression, D 2166, T 208 \$ 120 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 Max Density, D 1188 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 Max Density, D 1188 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 Max Density, D 1188 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 Max Density, D 1188 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 Max Density, D 1188 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 Max Density, D 1188 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 Max Density, D 1188 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 Max Density, D 1188 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 Max Density, D 1188 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 Max Density, D 1188 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality) \$ 5,200 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality \$ 5,200 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality \$ 5,200 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality \$ 5,200 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality \$ 5,200 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality \$ 5,200 \$ 100 Superpave, Asphalt Mix Verification (incl. Aggregate Quality \$ 5,200 Superpave, Paratherus, Cyrator, Syrator, Cyrator, Syrator, S	Triaxial Shear, C.U., w/pore pressure, D 4767, T 2297 per pt	\$	365	Moisture Content, CT 370	\$ 85
Unconfined Compression, D 2166, T 208			210		
Wax Density, D 1188 \$ 100 Superpave, Gyratory Unit Wt., T 312 \$ 75 MASONRY Superpave, Hamburg Wheel, 20,000 passes, T 324 \$ 1,000 Brick Absorption, 24-hour submersion, Č 67 \$ 50 Wolds in Mineral Aggregate, (VMA) CT LP-2 \$ 50 Brick Absorption, 7-day, C 67 \$ 60 Volds in Mineral Aggregate, (VMA) CT LP-2 \$ 50 Brick Compression Test, C 67 \$ 50 AGGREGATES Brick Efflorescence, C 67 \$ 50 AGGREGATES Brick Efflorescence, C 67 \$ 50 Clay Lumps and Friable Particles, C 142 \$ 160 Brick Saturation Coefficient, C 67 \$ 40 Cushed Particles, C T 205 \$ 165 Brick Saturation Coefficient, C 67 \$ 55 Durability, Coarse or Fine, C T 229 \$ 195 Concrete Block Conformance Package, C 90 \$ 485 Flat and Elongated Particle, D 4791 \$ 220 Concrete Block Unit Weight and Absorption, C 140 \$ 60 Los Angeles Abrasion, C 131 or C 535 \$ 200 Cores, Compression or Shear Bond, CA Code \$ 60 Masonny Prism, haif size, compression, C 1019 \$ 120 Material Finer than No. 200 Steve by Washing, C 117 \$ 75 Masonny Prism, Pail size, com			155		
Superpave, Hamburg Wheel, 20,000 passes, T 324 \$1,000					
MASONRY Unit Weight sample or core, D 2726, CT 308. \$ 100 Brick Absorption, 24-hour submersion, Ĉ 67. \$ 50 Voids in Mineral Aggregate, (VMA) CT LP-2. \$ 50 Brick Absorption, 7-day, C 67. \$ 65 Voids filled with Asphalt, (VFA) CT LP-3. \$ 50 Brick Efforescence, C 67. \$ 50 AGGREGATES Brick Modulus of Rupture, C 67. \$ 45 Cleanness Value, CT 227. \$ 160 Brick Moisture as received, C 67. \$ 45 Cleanness Value, CT 227. \$ 160 Brick Saturation Coefficient, C 67. \$ 55 Concrete Block Compression Test, 8x8x16, C 140. \$ 65 Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234. \$ 180 Concrete Block Uniear Shrinkage, C 428. \$ 135 Epithweight Particles, C 120. \$ 180 Concrete Block Uniear Shrinkage, C 426. \$ 135 Epithweight Particles, C 123. \$ 180 Concrete Block Uniear Shrinkage, C 426. \$ 135 Epithweight Particles, C 123. \$ 180 Conrete Block Uniear Shrinkage, C 426. \$ 135 Epithweight Particles, C 123. \$ 180 Conrete Block Uniear Shrinkage, C 426. \$ 10 \$ 60 Los Angeles Abrasion, C 131 or C 535. \$ 20	Wax Density, D 1188	\$	100		
Brick Absorption, 24-hour submersion, C 67	·				
Brick Absorption, 7-day, C 67 \$ 60 Brick Absorption, 7-day, C 67 \$ 65 Brick Compression Test, C 67 \$ 50 Brick Efflorescence, C 67 \$ 50 Brick Kondulus of Rupture, C 67 \$ 45 Brick Modulus of Rupture, C 67 \$ 45 Brick Modulus of Rupture, C 67 \$ 45 Brick Moisture as received, C 67 \$ 40 Brick Saturation Coefficient, C 67 \$ 55 Concrete Block Compression Test, 8x8x16, C 140 \$ 65 65 Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234 \$ 180 Concrete Block Compression Test, 8x8x16, C 140 \$ 65 60 Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234 \$ 180 Concrete Block Uniard Shrifkage, C 426 \$ 135 Concrete Block Unit Weight and Absorption, C 140 \$ 60 Cors, Compression or Shear Bond, CA Code \$ 60 Masonry Mortar, 2x4 cylinder compression, C 199 \$ 35 Masonry Prism, Palf size, compression, C 1019 \$ 120 Masonry Prism, Full size, compression, C 1019 \$ 120 Masonry Prism, Full size, compression, C 1019 \$ 120 Potential Akali Reactiv					
Brick Absorption, 7-day, C 67. \$ 65 Brick Compression Test, C 67 \$ 50 Brick Efforescence, C 67 \$ 50 Brick Efforescence, C 67 \$ 45 Brick Modulus of Rupture, C 67 \$ 45 Brick Molisture as received, C 67 \$ 40 Brick Saturation Coefficient, C 67 \$ 55 Brick Saturation Coefficient, C 67 \$ 55 Concrete Block Compression Test, 8x8x16, C 140 \$ 65 Concrete Block Compression Test, 8x8x16, C 140 \$ 65 Concrete Block Compression Test, 8x8x16, C 140 \$ 65 Concrete Block Compression Test, 8x8x16, C 140 \$ 65 Concrete Block Compression Test, 8x8x16, C 140 \$ 65 Concrete Block Compression Test, 8x8x16, C 140 \$ 65 Concrete Block Conformance Package, C 90 \$ 485 Flat and Elongated Particles, C 123 \$ 180 Concrete Block Unit Weight and Absorption, C 140 \$ 60 Corres, Compression or Shear Bond, CA Code \$ 60 Masonny Mortar, 2x4 cylinder compression, C 139 \$ 35 Masonny Mortar, 2x4 cylinder compression, C 139 \$ 35 Masonny Mortar, 2x4 cylinder compression, C 1019 \$ 1				Voids in Mineral Aggregate, (VMA) CT LP-2	\$ 50
Brick Compression Test, C 67 \$ 50 AGGREGATES Brick Efflorescence, C 67 \$ 50 Clay Lumps and Friable Particles, C 142 \$ 160 Brick Modulus of Rupture, C 67 \$ 45 Cleanness Value, CT 227 \$ 160 Brick Modulus of Rupture, C 67 \$ 40 Cleanness Value, CT 227 \$ 160 Brick Saturation Coefficient, C 67 \$ 55 Durability, Coarse or Fine, CT 229 \$ 165 Concrete Block Conformance Package, C 90 \$ 485 Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234 \$ 180 Concrete Block Linear Shrinkage, C 426 \$ 135 Lightweight Particles, C 123 \$ 180 Concrete Block Unit Weight and Absorption, C 140 \$ 60 Los Angeles Abrasion, C 131 or C 535 \$ 220 Cores, Compression or Shear Bond, CA Code \$ 60 Los Angeles Abrasion, C 131 or C 535 \$ 200 Masonry Grout, 3x3x6 prism compression, C 39 \$ 35 Organic Impunities, C 40 \$ 80 Masonry Prism, Full size, compression, C 1019 \$ 120 Potential Alkali Reactivity, Mortar Bar Method, Coarse, C 1260 \$ 950 Masonry Prism, Full size, compression, C 1019 \$ 120 Potential Alkali Reactivity, Mortar Bar Method, Coarse, C 1260 \$ 125 </td <td></td> <td></td> <td></td> <td>Voids filled with Asphalt, (VFA) CT LP-3</td> <td>\$ 50</td>				Voids filled with Asphalt, (VFA) CT LP-3	\$ 50
Brick Efflorescence, C 67 \$ 50 Clay Lumps and Friable Particles, C 142 \$ 160 Brick Modulus of Rupture, C 67 \$ 45 Cleanness Value, CT 227 \$ 160 Brick Modulus of Rupture, C 67 \$ 45 Cleanness Value, CT 227 \$ 160 Brick Saturation Coefficient, C 67 \$ 55 Crushed Particles, CT 205 \$ 165 Brick Saturation Coefficient, C 67 \$ 55 Durability, Coarse or Fine, CT 229 \$ 195 Concrete Block Compression Test, 8x8x16, C 140 \$ 65 Fine Aggregate Angularity, ASTM C 1252, T 304, CT 234 \$ 180 Concrete Block Linear Shrinkage, C 426 \$ 135 Lighteright Particles, C 123 \$ 180 Concrete Block Unit Weight and Absorption, C 140 \$ 60 Los Angeles Abrasion, C 131 or C 535 \$ 200 Cores, Compression or Shear Bond, CA Code \$ 60 Material Finer than No. 200 Sieve by Washing, C 117 \$ 75 Masonry Brism, half size, compression, C 109 \$ 35 Potential Alkali Reactivity, Mortar Bar Method, Coarse, C 1260 \$ 950 Masonry Prism, Full size, compression, C 1019 \$ 125 Potential Alkali Reactivity, Mortar Bar Method, Fine, C 1260 \$ 125 Masonry Prism, Full size, Compression, C 109 \$ 185					
Brick Modulus of Rupture, C 67	·				
Brick Moisture as received, C 67					
Brick Saturation Coefficient, C 67					
Concrete Block Compression Test, 8x8x16, C 140 \$ 65 Concrete Block Conformance Package, C 90 \$ 485 Concrete Block Conformance Package, C 90 \$ 485 Concrete Block Linear Shrinkage, C 426 \$ 135 Concrete Block Linear Shrinkage, C 426 \$ 135 Concrete Block Linear Shrinkage, C 426 \$ 135 Concrete Block Unit Weight and Absorption, C 140 \$ 60 Cores, Compression or Shear Bond, CA Code \$ 60 Masonry Grout, 3x3x6 prism compression, C 39 \$ 35 Masonry Grout, 3x3x6 prism compression, C 109 \$ 35 Masonry Prism, Fulf size, compression, C 109 \$ 35 Masonry Prism, Full size, compression, C 1019 \$ 120 Masonry Prism, Full size, compression, C 1019 \$ 185 Potential Alkali Reactivity, Mortar Bar Method, Coarse, C 1260 \$ 950 Masonry Prism, Full size, compression, C 1019 \$ 185 Potential Alkali Reactivity of Aggregate (Chemical Method), C 289 \$ 450 Sand Equivalent, T 176, CT 217 \$ 110 REINFORCING AND STRUCTURAL STEEL Chemical Analysis, A 36, A 615 \$ 135 Fireproofing Density Test, UBC 7-6 \$ 60 Hardness Test, Rockwell, A 370 \$ 70 High Strength Bolt, Nut & Washer Conformance, per assembly, A 325 \$ 130 Mechanically Spliced Reinforcing Tensile Test, ACI \$ 150 Pre-Stress Strand (7 wire), A 416 \$ 170 Reinforcing Tensile or Bend up to No. 11, A 615 & A 706 \$ 55 Structural Steel Tensile Test: Up to 200,000 lbs. (machining extra), A 370 \$ 80					
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Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI		. \$	80		
	Welded Reinforcing Tensile Test: Up to No. 11 bars, ACI	\$	60		

Special preparation of standard test specimens will be charged at the technician's hourly rate. Ninyo & Moore is accredited to perform the AASHTO equivalent of many ASTM test procedures.

ACORD

OP ID: DB

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/27/2017

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).

PRODUCER Stuckey Ins & Assoc Agencies		CONTACT Sally Perkins	
2850 E Ca	ns & Assoc Agencies melback Rd, Suite 325		602-279-9336
Phoenix, A	AZ 85016	E-MAIL ADDRESS: sally.perkins@stuckeyinsurance.com	
mary Louwick		INSURER(S) AFFORDING COVERAGE	NAIC #
		INSURER A: Phoenix Insurance Company	25623
INSURED	Consultant Engineering, Inc.	INSURER B: Travelers Indemnity Company	25658
	P O Box 37167 Phoenix, AZ 85069-7167	INSURER C: Twin City Fire Ins Co	29459
	1 1100111X, AZ 00000-7 107	INSURER D : Berkley Insurance Company	32603
		INSURER E :	
		INSURER F:	

COVERAGES CERTIFICATE NUMBER:

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.

INICO		SCIENCE AND CONDITIONS OF COURT		SUBR	ENVITO OTTOWN WITH THE BEEN	POLICY EFF	DOLICY EVE			
INSR LTR	TYPE OF INSURANCE		INSD	WVD	POLICY NUMBER	(MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	S	
Α	Х	COMMERCIAL GENERAL LIABILITY	i					EACH OCCURRENCE	\$	1,000,000
ĺ		CLAIMS-MADE X OCCUR	X	Х	680002J511314	07/01/2017	07/01/2018	DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	1,000,000
	Х	Contractual Liab						MED EXP (Any one person)	\$	5,000
								PERSONAL & ADV INJURY	\$	1,000,000
	GEN	N'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	s	2,000,000
		POLICY X PRO- JECT LOC			·			PRODUCTS - COMP/OP AGG	s	2,000,000
ł		OTHER:				ļ			\$	
	AUT	OMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$	
1		ANY AUTO						BODILY INJURY (Per person)	\$	
		ALL OWNED SCHEDULED AUTOS						BODILY INJURY (Per accident)	\$	
1		HIRED AUTOS NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident)	S	
									\$	
	Х	UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	S	5,000,000
В		EXCESS LIAB CLAIMS-MADE			CUP6671Y593	07/01/2017	07/01/2018	AGGREGATE	\$	5,000,000
		DED X RETENTION \$ 10000							\$	
		RKERS COMPENSATION EMPLOYERS' LIABILITY						X PER OTH-		
С	ANY	PROPRIETOR/PARTNER/EXECUTIVE	N / A	Х	UB004J474426	07/01/2017	07/01/2018	E.L. EACH ACCIDENT	5	1,000,000
l	∫(Man	idatory in NH)		ĺ				E.L. DISEASE - EA EMPLOYEE	s	1,000,000
	If yes	s, describe under CRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	s	1,000,000
D	Pro	fessional Liab			AEC9017189-00	07/01/2017	07/01/2018	Per Claim		2,000,000
								Aggregate		2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Professional Liability - Claims Made - Retro Date 11-4-91 Re: Pima County Procurements Department, SFQ No. 271551, Master Agreement for the Job Order Master Agreement Construction Surveillance and Inspection Services for Transportation Capital Improvement Projects, CEI Project No. 789.00

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130 W Congress St. 3rd Floor

Tucson, AZ 85701

CANCELLATION

PIMAC-6

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN **Pima County Procurement** ACCORDANCE WITH THE POLICY PROVISIONS. Department Design and **Construction Division**

AUTHORIZED REPRESENTATIVE

NOTEPAD:

HOLDER CODE INSURED'S NAME Consultant Engineering, Inc.

PIMAC-6

CONSU-1

OP ID: DB

PAGE 2

Date 12/27/2017

Pima County, its departments, districts, boards, commissions, officers, officials, agents, and employees are named as additional insureds with respects to Commercial General Liability in regards to liability arising out of the activities performed by or on behalf of the CONSULTANT. Waiver of subrogation with respects to general liability and workers compensation applies in favor of Pima 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.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

BLANKET ADDITIONAL INSURED (ARCHITECTS, ENGINEERS AND SURVEYORS)

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

 The following is added to SECTION II – WHO IS AN INSURED:

Any person or organization that you agree in a "written contract requiring insurance" to include as an additional insured on this Coverage Part, but:

- a. Only with respect to liability for "bodily injury", "property damage" or "personal injury"; and
- b. If, and only to the extent that, the injury or damage is caused by acts or omissions of you or your subcontractor in the performance of "your work" to which the "written contract requiring insurance" applies, or in connection with premises owned by or rented to you.

The person or organization does not qualify as an additional insured:

- With respect to the independent acts or omissions of such person or organization; or
- d. For "bodily injury", "property damage" or "personal injury" for which such person or organization has assumed liability in a contract or agreement.

The insurance provided to such additional insured is limited as follows:

- e. This insurance does not apply on any basis to any person or organization for which coverage as an additional insured specifically is added by another endorsement to this Coverage Part.
- f. This insurance does not apply to the rendering of or failure to render any "professional services".
- g. In the event that the Limits of Insurance of the Coverage Part shown in the Declarations exceed the limits of liability required by the "written contract requiring insurance", the insurance provided to the additional insured shall be limited to the limits of liability required by that "written contract requiring insurance". This endorsement does not increase the limits of insurance described in Section III Limits Of Insurance.

- h. This insurance does not apply to "bodily injury" or "property damage" caused by "your work" and included in the "products-completed operations hazard" unless the "written contract requiring insurance" specifically requires you to provide such coverage for that additional insured, and then the insurance provided to the additional insured applies only to such "bodily injury" or "property damage" that occurs before the end of the period of time for which the "written contract requiring insurance" requires you to provide such coverage or the end of the policy period, whichever is earlier.
- The following is added to Paragraph 4.a. of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

The insurance provided to the additional insured is excess over any valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured for a loss we cover. However, if you specifically agree in the "written contract requiring insurance" that this insurance provided to the additional insured under this Coverage Part must apply on a primary basis or a primary and non-contributory basis, this insurance is primary to other insurance available to the additional insured which covers that person or organizations as a named insured for such loss, and we will not share with the other insurance, provided that:

- (1) The "bodily injury" or "property damage" for which coverage is sought occurs; and
- (2) The "personal injury" for which coverage is sought arises out of an offense committed;

after you have signed that "written contract requiring insurance". But this insurance provided to the additional insured still is excess over valid and collectible other insurance, whether primary, excess, contingent or on any other basis, that is available to the additional insured when that person or organization is an additional insured under any other insurance.

 The following is added to Paragraph 8., Transfer Of Rights Of Recovery Against Others To Us, of SECTION IV – COMMERCIAL GENERAL LIABILITY CONDITIONS:

We waive any right of recovery we may have against any person or organization because of payments we make for "bodily injury", "property damage" or "personal injury" arising out of "your work" performed by you, or on your behalf, done under a "written contract requiring insurance" with that person or organization. We waive this right only where you have agreed to do so as part of the "written contract requiring insurance" with such person or organization signed by you before, and in effect when, the "bodily injury" or "property damage" occurs, or the "personal injury" offense is committed.

4. The following definition is added to the **DEFINITIONS** Section:

"Written contract requiring insurance" means that part of any written contract under which you are required to include a person or organization as an additional insured on this Coverage Part, provided that the "bodily injury" and "property damage" occurs and the "personal injury" is caused by an offense committed:

- a. After you have signed that written contract;
- While that part of the written contract is in effect; and
- c. Before the end of the policy period.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

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 any one not named in the Schedule.

SCHEDULE

DESIGNATED PERSON:

DESIGNATED ORGANIZATION: as required by written contract

WC 00 03 13 00

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CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/26/2017

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).

	certificate does not confer rights t							require an endorsement.	A Su	atement on
PRODUC					CONTAC		Sponsored F	Programs		
Ma	rsh Sponsored Programs				PHONE (A/C, No, Ext): 1-877-320-9393 FAX (A/C, No): 515-365-0895					
	livision of Marsh USA Inc.				E-MAIL ADDRESS: riskmanagement@marshpm.com Vendor ID: 31459					
	Box 14404							RDING COVERAGE		NAIC#
De	s Moines, IA 50306-9686				INSURE			ince Company		24147
INSURED)				INSURE		1			
	nsultant Engineering, Inc.				INSURE					
	525 N. 25th Ave., STE 200 oenix, AZ 85029				INSURE	RD:				
,	Deflix, AZ 03023				INSURE	RE:				
					INSURE	RF:				
COVE	RAGES CER	TIFIC	CATE	NUMBER:				REVISION NUMBER:		
INDIC CERT EXCL	IS TO CERTIFY THAT THE POLICIES CATED. NOTWITHSTANDING ANY RETIFICATE MAY BE ISSUED OR MAY USIONS AND CONDITIONS OF SUCH	QUIF PERT POLI	REME TAIN, CIES.	NT, TERM OR CONDITION THE INSURANCE AFFORDI LIMITS SHOWN MAY HAVE	OF ANY	CONTRACT THE POLICIE EDUCED BY	OR OTHER I S DESCRIBEI PAID CLAIMS.	DOCUMENT WITH RESPEC HEREIN IS SUBJECT TO	T TO \	VHICH THIS
NSR LTR	TYPE OF INSURANCE	INSD	SUBR WVD	POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS		
	COMMERCIAL GENERAL LIABILITY								\$	
	CLAIMS-MADE OCCUR							DAMAGE TO RENTED PREMISES (Ea occurrence)	\$	
\perp								MED EXP (Any one person)	<u>s</u>	
								PERSONAL & ADV INJURY	\$	
GE	N'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	\$	
	POLICY PRO- LOC								\$	
	OTHER:		ļ						\$	
A AU	ITOMOBILE LIABILITY	Х	Х	L135642-17		07/01/2017	07/01/2018	(La accident)	s 1,00	0,000
	ANY AUTO								\$	
	OWNED X SCHEDULED AUTOS NON-OWNED							22022224244	\$	
X	HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY			'				(Per accident)	\$	
		<u></u>							\$	
	UMBRELLA LIAB OCCUR							EACH OCCURRENCE	\$	
<u> </u>	EXCESS LIAB CLAIMS-MADE							AGGREGATE	<u> </u>	
- 400	DED RETENTION \$ PRICE S COMPENSATION								\$	
ANI	D EMPLOYERS' LIABILITY V / N							PER OTH- STATUTE ER		
OF	YPROPRIETOR/PARTNER/EXECUTIVE FICER/MEMBER EXCLUDED?	N/A				v			\$	
(Ma	Indatory in NH)	1			- 1			E.L. DISEASE - EA EMPLOYEE		
DÉS	es, describe under SCRIPTION OF OPERATIONS below							E.L. DISEASE - POLICY LIMIT	\$	
DESCRIP	TION OF OPERATIONS / LOCATIONS / VEHICL	LES (A	CORD	101, Additional Remarks Schedul	le, may be	attached if mor	e space is require	ed) GPBR: 2Z60		
Waiver Pima C Agreen	orovides protection for any & all operations/job of Subrogation included where required by wi Jounty Procurement Department, SFQ No. 271 nent Construction Surveillance and Inspection s, CEI Project No. 789.00.	ritten c 1551, f	ontraci Master	t. Insurance is primary and non-co Agreement for the Job Order Mas	ontributory ster		Certificate holder	is an Additional insured where re	quired t	y written contract.
CERTI	FICATE HOLDER			· · · · · · · · · · · · · · · · · · ·	CANC	ELLATION				
Pima County Procurement Department Design and Construction Division 130 W. Congress Street, 3rd Floor					SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.					
	n, AZ 85701			AUTHORIZED REPRESENTATIVE Brevola Lincent						

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OLD REPUBLIC INSURANCE COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED ENDORSEMENT

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

Schedule

Person(s) or Organization(s): Pima County Procurement Department Design and Construction Division

130 W. Congress Street, 3rd Floor

Tucson, AZ 85701

- 1. SECTION II COVERED AUTOS LIABILITY COVERAGE, A. Coverage, 1. Who is An insured is amended to include the person(s) or organization(s) designated in the Schedule above but only for damages:
 - a. Which are covered by this insurance; and
 - **b.** Which you have agreed to provide in a written contract.
- 2. The limits of insurance afforded to such person(s) or organization(s) will be:
 - a. The minimum limits of insurance which you agreed to provide, or
 - **b.** The limits of insurance of this policy

whichever is less.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY – OTHER INSURANCE CONDITION

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.

A. The following is added to the Other Insurance Condition in the Business Auto Coverage Form and the Other Insurance – Primary And Excess Insurance Provisions in the Motor Carrier Coverage Form and supersedes any provision to the contrary:

This Coverage Form's Covered Autos Liability Coverage is primary to and will not seek contribution from any other insurance available to an "insured" under your policy provided that:

- 1. Such "insured" is a Named Insured under such other insurance; and
- You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such "insured".

B. The following is added to the **Other Insurance** Condition in the Auto Dealers Coverage Form and supersedes any provision to the contrary:

This Coverage Form's Covered Autos Liability Coverage and General Liability Coverages are primary to and will not seek contribution from any other insurance available to an "insured" under your policy provided that:

- Such "insured" is a Named Insured under such other insurance; and
- You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to such "insured".

COMMERCIAL AUTO CA 04 44 10 13

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

POLICY NUMBER: L135642-17

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.

Named Insured: Consultant Engineering, Inc.

Endorsement Effective Date: 12/26/17

SCHEDULE

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

Pima County Procurement Department Design and Construction Division

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.

OLD REPUBLIC INSURANCE COMPANY

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED ENTITY - NOTICE OF CANCELLATION PROVIDED BY US

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

SCHEDULE

Number of Days Notice of Cancellation: 30

Person or Organization: Pima County Procurement Department

Design and Construction Division

Address:

130 W. Congress Street, 3rd Floor

Tucson, AZ 85701

Provisions

If we cancel this policy for any statutorily permitted reason other than nonpayment of premium, and a number of days is shown for cancellation in the schedule above, we will mail notice of cancellation to the person or organization shown in the schedule above. We will mail such notice to the address shown in the schedule above at least the number of days shown for cancellation in the schedule above before the effective date of cancellation.

CA 560 024 1213

Page 1 of 1



CERTIFICATE OF LIABILITY INSURANCE

6/1/2018

DATE (MM/DD/YYYY) 12/27/2017

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).

PRODUCER Lockton Companies				CONTAC NAME:	СТ						
444 W. 47th Street, Suite 900				PHONE FAX (A/C, No, Ext): (A/C, No):							
Kansas City MO 64112-1906 (816) 960-9000				E-MAIL ADDRESS:							
				INSURER(S) AFFORDING COVERAGE NAIC #							
								19437			
INICATE								ton insurar	ice Company		1943/
1016		O HDR CONSTRUCTION CONT	ROL	,	,	INSURE	RB:				
1010)U -1	CORPORATION				INSURE	RC:				
		8404 INDIAN HILLS DRIVE				INSURE	RD:				
		OMAHA NE 68114-4049				INSURE	RE:				
						INSURE	RF:				
COV	/EF	RAGES HDRIN01 CER	TIFIC	CATE	NUMBER: 1512141	1			REVISION NUMBER:	XX	XXXXX
		IS TO CERTIFY THAT THE POLICIES									
		ATED. NOTWITHSTANDING ANY RE									
		IFICATE MAY BE ISSUED OR MAY I USIONS AND CONDITIONS OF SUCH							HEREIN IS SUBJECT TO	ALL 1	HE TERMS,
INSR	ULU		ADDL	SUBR		BELININ		POLICY EXP (MM/DD/YYYY)			
LTR		TYPE OF INSURANCE	INSD	WVD	POLICY NUMBER		(MM/DD/YYYY)	(MM/DD/YYYY)	LIMIT		********
		COMMERCIAL GENERAL LIABILITY			NOT APPLICABLE	ļ			DAMAGE TO RENTED		XXXXX_
		CLAIMS-MADE OCCUR						(PREMISES (Ea occurrence)		XXXXX
									MED EXP (Any one person)	\$ XX	XXXXX
									PERSONAL & ADV INJURY	\$ XX	XXXXX
	GE	N'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE	s XX	XXXXX
	-	POLICY PRO- LOC							PRODUCTS - COMP/OP AGG	s XX	XXXXX
		OTHER:				1				\$	
	ΑU	TOMOBILE LIABILITY			NOT APPLICABLE				COMBINED SINGLE LIMIT (Ea accident)	\$ XX	XXXXX
		ANY AUTO							BODILY INJURY (Per person)		XXXXX
-		OWNED SCHEDULED AUTOS				ļ			BODILY INJURY (Per accident)		
		HIRED NON-OWNED							PROPERTY DAMAGE		XXXXX
		AUTOS ONLY AUTOS ONLY							(Per accident)		XXXXX XXXXX
		UMBRELLA LIAB OCCUR			NOT APPLICABLE				EACH OCCURRENCE	s XX	XXXXX
		EXCESS LIAB CLAIMS-MADE							AGGREGATE	s XX	XXXXX
		DED RETENTIONS								\$ XX	XXXXX
		RKERS COMPENSATION DEMPLOYERS' LIABILITY			NOT APPLICABLE				PER OTH- STATUTE ER		
	ANY	PROPRIETOR/PARTNER/EXECUTIVE TO THE	ļ						E.L. EACH ACCIDENT	\$ XX	XXXXX
		ICER/MEMBER EXCLUDED?	N/A						E.L. DISEASE - EA EMPLOYEE		
	lf ve	s, describe under SCRIPTION OF OPERATIONS below									XXXXX
Α		CH & ENG	N	N	061853691		6/1/2017	6/1/2018	PER CLAIM: \$2,000,000	4 7171	<u> </u>
1.	PR	OFESSIONAL	.,	1,	001033071		0/1/2017	0/1/2010	AGGREGATE: \$2,000,000		
	LIA	ABILITY									
DESS		TION OF OPERATIONS / LOCATIONS / VEHICL	ER /*	CORC	404 Additional Reserve School	la mant	attached if a	a same la sami	nd\		
		ISTRUCTION MANAGEMENT/INSPI				ie, may be	attached it more	e space is require	:uj .		
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CER	CERTIFICATE HOLDER				CANC	ELLATION					
		5121411									
		IMA COUNTY DEPARTMEN	T OI	TR	ANSPORTATION				ESCRIBED POLICIES BE CA		
	_	TTN: CHRISTY BUSTILLOS							EREOF, NOTICE WILL E BY PROVISIONS.	E DEI	LIVERED IN
		30 W. CONGRESS, 3RD FLOO)R			^\\	OVDWINGE AND	III THE FULIC	TI NOTIGIONS.		
ľ		UCSON AZ 85701				AUTHOR	RIZED REPRESE	NTATIVE [/]			
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ļ						Lord M. A. Il					
						L		رياسور مير سر د کاروه	11 / Tyne()	<u> </u>	.,
							(c) 10	เรร:ขบ15 ∆(*)	ORD CORPORATION.	au rial	THE PACATVAN



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 12/27/2017

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).

this certificate does not come rights to the certificate holder in hea or st	ich endorsement(s).				
PRODUCER	CONTACT NAME:				
Willis of Minnesota, Inc.	PHONE (A/C, No, Ext): 1-877-945-7378 FAX (A/C, No): 1-888-467-2	2378			
c/o 26 Century Blvd P.O. Box 305191	E-MAIL ADDRESS: certificates@willis.com				
Nashville, TN 372305191 USA	INSURER(S) AFFORDING COVERAGE NA	AIC#			
	INSURER A: Liberty Mutual Fire Insurance Company 23	035			
INSURED	INSURER B: Liberty Mutual Insurance Company 23	3043			
HDR Construction Control Corporation 8404 Indian Hills Drive	INSURER C:				
Omaha, NE 68114	INSURER D:				
	INSURER E :				
	INSURER F:				

COVERAGES

CERTIFICATE NUMBER: W4853295

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	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s		
	X COMMERCIAL GENERAL LIABILITY						EACH OCCURRENCE DAMAGE TO RENTED	\$	2,000,000	
A	CLAIMS-MADE X OCCUR X Contractual Liability				06/01/2017		PREMISES (Ea occurrence) MED EXP (Any one person)	\$	1,000,000	
		Y	Y	TB2-641-444950-037			PERSONAL & ADV INJURY	\$	2,000,000	
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$	4,000,000	
	POLICY X PRO-						PRODUCTS - COMP/OP AGG	\$	4,000,000	
Į.	OTHER:							\$		
	AUTOMOBILE LIABILITY						COMBINED SINGLE LIMIT (Ea accident)	\$	2,000,000	
	X ANY AUTO OWNED SCHEDULED		Y				BODILY INJURY (Per person)	\$		
В	AUTOS ONLY AUTOS	Y		Y	Y AS2-641-444950-047	06/01/2017	06/01/2018	80DILY INJURY (Per accident)	\$	
	HIRED NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$		
								\$		
В	X UMBRELLA LIAB X OCCUR						EACH OCCURRENCE	5	5,000,000	
	EXCESS LIAB CLAIMS-MADE	Y	Y	TH7-641-444950-067	06/01/2017	06/01/2018	AGGREGATE	\$	5,000,000	
	DED RETENTION \$							\$		
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY						X PER OTH-			
В	ANYPROPRIETOR/PARTNER/EXECUTIVE	N/A	Y	WA7-64D-444950-017	06/01/2017	06/01/2018	E.L. EACH ACCIDENT	5	1,000,000	
1	(Mandatory in NH)	"/2 -	1 - 1	MAI-OND MANASSO OT I	06/01/2017	06/01/2018	E.L. DISEASE - EA EMPLOYEE	5	1,000,000	
L	If yes, describe under DESCRIPTION OF OPERATIONS below						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)

Re: Construction management/inspection services

Certificate Holder is named as Additional Insured on General Liability, Automobile Liability and Umbrella/Excess Liability on a Primary, Non-contributory basis where required by written contract. Waiver of Subrogation applies on General Liability, Automobile Liability, Umbrella/Excess Liability and Workers Compensation where required by written contract. Umbrella/Excess policy is Follows Form over General Liability, Auto Liability and Employers Liability.

CERTIFICATE HOLDER	CANCELLATION			
	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.			
Pima County Department of Transportation Attn: Christy Bustillos 130 W. Congress, 3rd Floor Tucson, AZ 85701	St J. How			

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	AGEN	CY CUSTOMER ID:	
ACORD® ADD	ITIONAL REMA	RKS SCHEDULE	Page 2 of 2
AGENCY Willis of Minnesota, Inc.		NAMED INSURED HDR Construction Control Corporation	
POLICY NUMBER See Page 1		8404 Indian Hills Drive Omaha, NE 68114	
CARRIER See Page 1	NAIC CODE See Page 1	EFFECTIVE DATE: See Page 1	
ADDITIONAL REMARKS	<u></u>		
THIS ADDITIONAL REMARKS FORM IS A SCHE	DULE TO ACORD FORM,		
FORM NUMBER: 25 FORM TITLE: Cer	tificate of Liability	Insurance	
Additional Insureds and Waiver of Subrofficers, agents and employees.	ogation: County, its	department, districts, boards, comm:	ssions, officers,

Policy Number: TB2-641-444950-037

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED LOCATION(S) GENERAL AGGREGATE LIMIT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Designated Location(s):

All locations owned by or rented to the Named Insured

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

- A. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section I Coverage A, and for all medical expenses caused by accidents under Section I Coverage C, which can be attributed only to operations at a single designated "location" shown in the Schedule above:
 - A separate Designated Location General Aggregate Limit applies to each designated "location", and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
 - 2. The Designated Location General Aggregate Limit is the most we will pay for the sum of all damages under Coverage A, except damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard", and for medical expenses under Coverage C regardless of the number of:
 - a. Insureds:

- b. Claims made or "suits" brought; or
- **c.** Persons or organizations making claims or bringing "suits".
- 3. Any payments made under Coverage A for damages or under Coverage C for medical expenses shall reduce the Designated Location General Aggregate Limit for that designated "location". Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Location General Aggregate Limit for any other designated "location" shown in the Schedule above.
- 4. The limits shown in the Declarations for Each Occurrence, Damage To Premises Rented To You and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Location General Aggregate Limit.

- B. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section I Coverage A, and for all medical expenses caused by accidents under Section I Coverage C, which cannot be attributed only to operations at a single designated "location" shown in the Schedule above:
 - Any payments made under Coverage A for damages or under Coverage C for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-completed Operations Aggregate Limit, whichever is applicable; and
 - 2. Such payments shall not reduce any Designated Location General Aggregate Limit.
- C. When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Location General Aggregate Limit.
- D. For the purposes of this endorsement, the **Definitions** Section is amended by the addition of the following definition:
 - "Location" means premises involving the same or connecting lots, or premises whose connection is interrupted only by a street, roadway, waterway or right-of-way of a railroad.
- E. The provisions of Section III Limits Of Insurance not otherwise modified by this endorsement shall continue to apply as stipulated.

Policy Number: TB2-641-444950-037

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

DESIGNATED CONSTRUCTION PROJECT(S) GENERAL AGGREGATE LIMIT

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Designated Construction Project(s):

All construction projects not located at premises owned, leased or rented by a Named Insured

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

- A. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section I Coverage A, and for all medical expenses caused by accidents under Section I Coverage C, which can be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:
 - A separate Designated Construction Project General Aggregate Limit applies to each designated construction project, and that limit is equal to the amount of the General Aggregate Limit shown in the Declarations.
 - 2. The Designated Construction Project General Aggregate Limit is the most we will pay for the sum of all damages under Coverage A, except damages because of "bodily injury" or "property damage" included in the "productscompleted operations hazard", and for medical expenses under Coverage C regardless of the number of:
 - a. Insureds;
 - **b.** Claims made or "suits" brought; or
 - **c.** Persons or organizations making claims or bringing "suits".

- 3. Any payments made under Coverage A for damages or under Coverage C for medical expenses shall reduce the Designated Construction Project General Aggregate Limit for that designated construction project. Such payments shall not reduce the General Aggregate Limit shown in the Declarations nor shall they reduce any other Designated Construction Project General Aggregate Limit for any other designated construction project shown in the Schedule above.
- 4. The limits shown in the Declarations for Each Occurrence, Damage To Premises Rented To You and Medical Expense continue to apply. However, instead of being subject to the General Aggregate Limit shown in the Declarations, such limits will be subject to the applicable Designated Construction Project General Aggregate Limit.

- B. For all sums which the insured becomes legally obligated to pay as damages caused by "occurrences" under Section I Coverage A, and for all medical expenses caused by accidents under Section I Coverage C, which cannot be attributed only to ongoing operations at a single designated construction project shown in the Schedule above:
 - 1. Any payments made under Coverage A for damages or under Coverage C for medical expenses shall reduce the amount available under the General Aggregate Limit or the Products-completed Operations Aggregate Limit, whichever is applicable; and
 - Such payments shall not reduce any Designated Construction Project General Aggregate Limit.
- C. When coverage for liability arising out of the "products-completed operations hazard" is provided, any payments for damages because of "bodily injury" or "property damage" included in the "products-completed operations hazard" will reduce the Products-completed Operations Aggregate Limit, and not reduce the General Aggregate Limit nor the Designated Construction Project General Aggregate Limit.
- D. If the applicable designated construction project has been abandoned, delayed, or abandoned and then restarted, or if the authorized contracting parties deviate from plans, blueprints, designs, specifications or timetables, the project will still be deemed to be the same construction project.
- E. The provisions of Section III Limits Of Insurance not otherwise modified by this endorsement shall continue to apply as stipulated.

POLICY NUMBER: TB2-641-444950-037

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – SCHEDULED PERSON OR ORGANIZATION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

- 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:
 - 1. Your acts or omissions; or
 - 2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

- The insurance afforded to such additional insured only applies to the extent permitted by law; and
- 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 additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

- All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service, maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or
- 2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.
- C. 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.

SCHEDULE

Location(s) Of Covered Operations

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED – OWNERS, LESSEES OR CONTRACTORS – COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

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

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations			
Any person or organization to whom or to which you are required to provide additional insured status in a written contract, agreement or permit except where such contract or agreement is prohibited.	Any location where you have agreed, through written, contract, agreement or permit, to provide additional insured coverage for completed operations.			
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" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

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

Policy Number TB2-641-444950-037 Issued by

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

OTHER INSURANCE AMENDMENT - SCHEDULED ADDITIONAL INSURED

This endorsement modifies insurance provided under the following:

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

Schedule

Person or Organization:	Where required by written contract.

If you are obligated under a written agreement to provide liability insurance on a primary, excess, contingent, or any other basis for any person or organization shown in the Schedule of this endorsement that qualifies as an additional insured on this policy, this policy will apply solely on the basis required by such written agreement and Paragraph 4. Other Insurance of Section IV - Conditions will not apply. If the applicable written agreement does not specify on what basis the liability insurance will apply, the provisions of Paragraph 4. Other Insurance of Section IV - Conditions will govern. However, this insurance is excess over any other insurance available to the additional insured for which it is also covered as an additional insured by attachment of an endorsement to another policy providing coverage for the same "occurrence", claim or "suit".

POLICY NUMBER: AS2-641-444950-047

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.

SCHEDULE

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

As required by written contract

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.

Policy Number: AS2-641-444950-047

Issued by: Liberty Mutual Fire Insurance Co.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY. DESIGNATED INSURED - NONCONTRIBUTING

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM GARAGE COVERAGE FORM MOTOR CARRIERS COVERAGE FORM TRUCKERS 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" under the Who Is An Insured Provision of the Coverage Form. This endorsement does not alter coverage provided in the Coverage form.

Schedule

Name of Person(s) or Organizations(s):

Any person or organization where the Named Insured has agreed by written contract to include such person or organization

Regarding Designated Contract or Project:

Any

Each person or organization shown in the Schedule of this endorsement is an "insured" for Liability Coverage, but only to the extent that person or organization qualifies as an "insured" under the Who Is An Insured Provision contained in Section II of the Coverage Form.

The following is added to the **Other Insurance Condition**:

If you have agreed in a written agreement that this policy will be primary and without right of contribution from any insurance in force for an Additional Insured for Ilability arising out of your operations, and the agreement was executed prior to the "bodily injury" or "property damage", then this insurance will be primary and we will not seek contribution from such insurance.

POLICY NUMBER: TB2-641-444950-037

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: As required by written contract or agreement				
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.

POLICY NUMBER: AS2-641-444950-047

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.

SCHEDULE

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

Any person or organization for whom you perform work under a written contract of the contract requires you to obtain this agreement from us but only if the contract is executed prior to the injury or damage occurring.

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.

WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

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

Where required by contract or written agreement prior to loss.

Issued by:

For attachment to Policy No WA7-64D-444950-017

Effective Date 6/01/2017

Premium

Issued to:

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

NOTICE OF CANCELLATION TO THIRD PARTIES

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE PART
MOTOR CARRIER COVERAGE PART
GARAGE COVERAGE PART
TRUCKERS COVERAGE PART
EXCESS AUTOMOBILE LIABILITY INDEMNITY COVERAGE PART
SELF-INSURED TRUCKER EXCESS LIABILITY COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
EXCESS COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
COMMERCIAL LIABILITY – UMBRELLA COVERAGE FORM

	Schedule	
Name of Other Person(s) / Organization(s):	Email Address or mailing address:	Number Days Notice:
Per Schedule on File with Broker		30 Days

- A. If we cancel this policy for any reason other than nonpayment of premium, we will notify the persons or organizations shown in the Schedule above. We will send notice to the email or mailing address listed above at least 10 days, or the number of days listed above, if any, before the cancellation becomes effective. In no event does the notice to the third party exceed the notice to the first named insured.
- B. This advance notification of a pending cancellation of coverage is intended as a courtesy only. Our failure to provide such advance notification will not extend the policy cancellation date nor negate cancellation of the policy.

All other terms and conditions of this policy remain unchanged.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY. NOTICE OF CANCELLATION TO THIRD PARTIES

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE PART
MOTOR CARRIER COVERAGE PART
GARAGE COVERAGE PART
TRUCKERS COVERAGE PART
EXCESS AUTOMOBILE LIABILITY INDEMNITY COVERAGE PART
SELF-INSURED TRUCKER EXCESS LIABILITY COVERAGE PART
COMMERCIAL GENERAL LIABILITY COVERAGE PART
EXCESS COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
COMMERCIAL LIABILITY — UMBRELLA COVERAGE FORM

	Schedule	
Name of Other Person(s) / Organization(s):	Email Address or mailing address:	Number Days Notice:
Per Schedule on File with Broker		30 Days

- A. If we cancel this policy for any reason other than nonpayment of premium, we will notify the persons or organizations shown in the Schedule above. We will send notice to the email or mailing address listed above at least 10 days, or the number of days listed above, if any, before the cancellation becomes effective. In no event does the notice to the third party exceed the notice to the first named insured.
- B. This advance notification of a pending cancellation of coverage is intended as a courtesy only. Our failure to provide such advance notification will not extend the policy cancellation date nor negate cancellation of the policy.

All other terms and conditions of this policy remain unchanged.

NOTICE OF CANCELLATION TO THIRD PARTIES

- A. If we cancel this policy for any reason other than nonpayment of premium, we will notify the persons or organizations shown in the Schedule below by email as soon as practical after notifying the first Named Insured.
- B. This advance email notification of a pending cancellation of coverage is intended as a courtesy only. Our failure to provide such advance notification will not extend the policy cancellation date nor negate cancellation of the policy.

SCHEDULE

Name of Other Person(s) / Organization(s):	
Per Schedule on file with Company	30 Days

All other terms and conditions of this policy remain unchanged.

Issued by

Issued to

Willis Towers Watson 1.1111.1

Global Certificate Center

Effective June 1, 2017 HDR will have two separate insurance brokers.

Lockton will remain HDR's insurance broker for professional liability only.

Willis Towers Watson will be HDR's new broker for:

- 1. General Liability
- 2. Automobile Liability
- 3. Workers Compensation
- 4. Property/Equipment

If professional liability is required by the contract documents provided in the insurance request, we will forward the information to Lockton for processing.

Please direct all questions regarding certificates of insurance to HDR's insurance manager, Matthew Peterson by email at MPeterson@HDRInc.com or by phone at (402)399-1499.

Regards,

Willis Towers Watson Certificate Center

Phone: 877-945-7378 Fax: 888-467-2378

Email: certificates@willis.com