



**PROFESSIONAL SERVICES AGREEMENT
DESIGN SERVICES**

**KYRENE ROAD (SANTAN LOOP 202 TO CHANDLER BLVD)
PROJECT NO. ST2503.201**

Council Date: January 22, 2026

THIS AGREEMENT ("Agreement") is made and entered into on the _____ day of _____, 2026, ("Effective Date"), by and between City of Chandler, an Arizona municipal corporation, ("City"), and Kimley-Horn and Associates, Inc., a North Carolina corporation, ("Consultant") (City and Consultant may individually be referred to as "Party" and collectively referred to as "Parties").

RECITALS

A. City proposes to engage Consultant to provide design services for Kyrene Road (Santan Loop 202 to Chandler Blvd) project ("Project") as more fully described in Exhibit "A" ("Services"), which is attached to and made a part of this Agreement by this reference.

B. Consultant is ready, willing, and able to provide the services described in **Exhibit "A"** for the compensation and fees set forth and as described in **Exhibit "B"**, which is attached to and made a part of this Agreement by this reference.

C. City desires to enter into an Agreement with Consultant to provide these services under the terms and conditions set forth in this Agreement.

AGREEMENT

NOW, THEREFORE, in consideration of the premises and the mutual promises contained in this Agreement, City and Consultant agree as follows:

SECTION I--CONSULTANT'S SERVICES

Consultant must perform the services described in **Exhibit "A"** to City's satisfaction within the terms and conditions of this Agreement and within the care and skill that a person who provides similar services in Chandler, Arizona exercises under similar conditions. All work or services furnished by Consultant under this Agreement must be performed in a skilled and workmanlike manner. All fixtures, furnishings, and equipment furnished by Consultant as

part of the work or services under this Agreement must be new, or the latest model, and of the most suitable grade and quality for the intended purpose of the work or service.

SECTION II--PERIOD OF SERVICE

Consultant must perform the services described in **Exhibit "A"** for the term of this Agreement. Unless amended in writing by the Parties, the Agreement term expires 950 calendar days after the Notice to Proceed (NTP) Date.

SECTION III--PAYMENT OF COMPENSATION AND FEES

Unless amended in writing by the Parties, Consultant's compensation and fees as more fully described in **Exhibit "B"** for performance of the services approved and accepted by City under this Agreement must not exceed \$2,473,209 for the full term of the Agreement. Consultant may not increase any compensation or fees under this Agreement without the City's prior written consent. Consultant must submit monthly requests for payment of services approved and accepted during the previous billing period and must include, as applicable, detailed invoices and receipts, a narrative description of the tasks accomplished during the billing period, a list of any deliverables submitted, and any subconsultant's or supplier's actual requests for payment plus similar narrative and listing of their work. Consultant must submit an Application and Certification for Payment Sheet with the monthly request for payment to: CapitalProjects.Payables@chandleraz.gov. Payment for those services negotiated as a lump sum will be made in accordance with the percentage of the work completed during the preceding billing period. Services negotiated as a not-to-exceed fee will be paid in accordance with the work effort expended on the service during the preceding month. All requests for payment must be submitted to City for review and approval. City will make payment for approved and accepted services within 30 calendar days of City's receipt of the request for payment. Consultant bears all responsibility and liability for any and all tax obligations that result from Consultant's performance under this Agreement.

SECTION IV--CITY'S OBLIGATIONS

As part of Consultant's services under this Agreement, City will provide furnished items, services, or obligations as detailed in **Exhibit "D"**.

SECTION V--GENERAL CONDITIONS

5.1 Notices. Unless otherwise provided herein, demands under this Agreement must be in writing and will be deemed to have been duly given and received either (a) on the date of service if personally served on the party to whom notice is to be given, or (b) on the third day after the date of the postmark of deposit by first class United States mail, registered or certified, postage prepaid and properly addressed as follows:

City:	To	City of Chandler - Public Works & Utilities Department Attn: CIP City Engineer: Daniel Haskins, P.E. P.O. Box 4008, Mail Stop 407 Chandler, AZ 85244-4008 Phone: 480-782-3335 Email: Daniel.Haskins@chandleraz.gov	
With a copy to:		City of Chandler - Public Works & Utilities Department Attn: Ray Dovalina, Project Manager P.O. Box 4008, Mail Stop 407, Chandler, AZ 85244-4008 Phone: 480-782-3314 Email: Ray.Dovalina@chandleraz.gov	
To Consultant:		LEGAL COMPANY NAME:	Kimley-Horn and Associates, Inc.
		Mailing Address:	421 Fayetteville Street, Suite 600 Raleigh, NC 27601
		Physical Address:	1661 East Camelback Road, Suite 400 Phoenix AZ 85016
		Statutory Agent Name:	Corporation Service Company
		Statutory Agent Mailing Address:	7955 South Priest Drive, Suite 102 Tempe, AZ 85284
		Statutory Agent Physical Address:	7955 South Priest Drive, Suite 102 Tempe, AZ 85284
		CONSULTANT'S AUTHORIZED PROJECT REPRESENTATIVE	
		Name:	David J Leistiko
		Title:	Senior Vice President
		Phone:	602-906-1124
		Email:	Dave.Leistiko@kimley-horn.com

5.2 Records/Audit. Records of Consultant’s direct personnel payroll, reimbursable expenses pertaining to this Agreement and records of accounts between City and Consultant must be kept on the basis of generally accepted accounting principles and must be made available to City and its auditors for up to three years following City’s final acceptance of the services under this Agreement (this requirement is increased to five years if construction of this project is federally funded). City, its authorized representative, or any federal agency, reserves the right to audit Consultant’s records to verify the accuracy and appropriateness of all cost and pricing data, including data used to negotiate this Agreement and any amendments. City reserves the right to decrease the total amount of Agreement price or payments made under this Agreement or request reimbursement from Consultant following final Agreement payment on this Agreement if, upon audit of Consultant’s records, the audit discloses Consultant has provided false, misleading, or inaccurate cost and pricing data. Consultant will include a similar provision in all of its Agreements with subconsultants who provide services under the Agreement to ensure that City, its authorized representative, or the appropriate federal agency, has access to the subconsultants’ records to verify the accuracy of all cost and pricing data. City reserves the right to decrease Agreement price or payments made on this Agreement or request reimbursement from Consultant following final payment on this Agreement if the above provision is not included in subconsultant

agreements, and one or more subconsultants refuse to allow City to audit their records to verify the accuracy and appropriateness of all cost and pricing data. If, following an audit of this Agreement, the audit discloses Consultant has provided false, misleading, or inaccurate cost and pricing data, and the cost discrepancies exceed 1% of the total Agreement billings, Consultant will be liable for reimbursement of the reasonable, actual cost of the audit.

5.3 Alteration in Character of Work. Whenever an alteration in the character of work results in a substantial change in this Agreement, thereby materially increasing or decreasing the scope of services, cost of performance, or Project schedule, the work will be performed as directed by City. However, before any modified work is started, a written amendment must be approved and executed by City and Consultant. Such amendment must not be effective until approved by City. Additions to, modifications, or deletions from this Agreement as provided herein may be made, and the compensation to be paid to Consultant may accordingly be adjusted by mutual agreement of the Parties. It is distinctly understood and agreed that no claim for extra services or materials furnished by Consultant will be allowed by City except as provided herein, nor must Consultant do any work or furnish any materials not covered by this Agreement unless such work is first authorized in writing. Any such work or materials furnished by Consultant without prior written authorization will be at Consultant's own risk, cost, and expense, and Consultant hereby agrees that without written authorization Consultant will make no claim for compensation for such work or materials furnished.

5.4 Termination. City and Consultant hereby agree to the full performance of the covenants contained herein, except that City reserves the right, at its discretion and without cause, to terminate or abandon any service provided for in this Agreement, or abandon any portion of the Project for which services have been performed by Consultant. In the event City abandons or suspends the services, or any part of the services as provided in this Agreement, City will notify Consultant in writing and immediately after receiving such notice, Consultant must discontinue advancing the work specified under this Agreement. Upon such termination, abandonment, or suspension, Consultant must deliver to City all drawings, plans, specifications, special provisions, estimates and other work entirely or partially completed, together with all unused materials supplied by City. Consultant must appraise the work Consultant has completed and submit Consultant's appraisal to City for evaluation. City may inspect Consultant's work to appraise the work completed. Consultant will receive compensation in full for services performed to the date of such termination. The fee will be paid in accordance with Section III of this Agreement, and as mutually agreed upon by Consultant and City. If there is no mutual agreement on payment, the final determination will be made in accordance with the "Disputes" provision in this Agreement. However, in no event may the fee exceed the fee set forth in Section III of this Agreement nor as amended in accordance with Section "Alteration in Character of Work." City will make the final payment within 60 days after Consultant has delivered the last of the partially completed items and the Parties agree on the final fee. If City is found to have improperly terminated the Agreement for cause or default, the termination will be converted to a termination for convenience in accordance with the provisions of this Agreement.

5.5 Indemnification. To the extent permitted by law, the Consultant ("Indemnitor") must indemnify, save and hold harmless City and its officers, officials, agents and employees

("Indemnatee") from any and all claims, actions, liabilities, damages, losses or expenses (including court costs, attorneys' fees and costs of claim processing, investigation and litigation) ("Claims") caused or alleged to be caused, in whole or in part, by the wrongful, negligent or willful acts, or errors or omissions of Consultant or any of its owners, officers, directors, agents, employees, or subconsultants in connection with this Agreement. This indemnity includes any claim or amount arising out of or recovered under workers' compensation law or on account of the failure of Consultant to conform to any federal, state or local law, statute, ordinance, rule, regulation or court decree. Consultant must indemnify Indemnatee from and against any and all Claims, except those arising solely from Indemnatee's own negligent or willful acts or omissions. Consultant is responsible for primary loss investigation, defense and judgment costs where this indemnification applies. In consideration of the award of this Agreement, Consultant agrees to waive all rights of subrogation against Indemnatee for losses arising from or related to this Agreement. The obligations of Consultant under this provision survive the termination or expiration of this Agreement.

5.6 Insurance Requirements. Consultant must procure insurance under the terms and conditions and for the amounts of coverage set forth in **Exhibit "C"** against claims that may arise from or relate to performance of the work under this Agreement by Consultant and its agents, representatives, employees, and subconsultants. Consultant and any subconsultant must maintain this insurance until all of their obligations have been discharged, including any warranty periods under this Agreement. These insurance requirements are minimum requirements for this Agreement and in no way limit the indemnity covenants contained in this Agreement. City in no way warrants that the minimum limits stated in **Exhibit "C"** are sufficient to protect Consultant from liabilities that might arise out of the performance of the work under this Agreement by Consultant, Consultant's agents, representatives, employees, or subconsultants. Consultant is free to purchase such additional insurance as may be determined necessary.

5.7 Cooperation and Further Documentation. Consultant agrees to provide City such other duly executed documents as may be reasonably requested by City to implement the intent of this Agreement.

5.8 Successors and Assigns. City and Consultant each bind itself, its partners, successors, assigns, and legal representatives to the other party to this Agreement and to the partners, successors, assigns, and legal representatives of such other party in respect to all covenants of this Agreement. Neither City nor Consultant may assign, sublet, or transfer its interest in this Agreement without the written consent of the other party. In no event may any contractual relation be created between any third party and City.

5.9 Disputes. In any dispute arising out of an interpretation of this Agreement or the duties required not disposed of by agreement between Consultant and City, the final determination at the administrative level will be made by City Engineer.

5.10 Completeness and Accuracy of Consultant's Work. Consultant must be responsible for the completeness and accuracy of Consultant's services, data, and other work prepared or compiled under Consultant's obligation under this Agreement and must correct, at Consultant's expense, all willful or negligent errors, omissions, or acts that may be discovered. Correction of errors disclosed and determined to exist during any construction of the project on architectural or engineering drawings and specifications must be accomplished by Consultant. The cost of the design necessary to correct those errors attributable to Consultant and any damage incurred by City as a result of additional construction costs caused by such engineering or architectural errors will be chargeable to Consultant and will not be considered a cost of the Work. The fact that City has accepted or approved Consultant's work will in no way relieve Consultant of any of Consultant's responsibilities.

5.11 Reporting. Written monthly reports, along with updated work schedules, will be made by Consultant in the format prescribed by City. These reports will be delivered to City per schedule. When requested by City, Consultant will attend Council meetings and provide finished documents including correspondence for Council action, supporting charts, graphs, drawings and colored slides of same.

5.12 Withholding Payment. City reserves the right to withhold funds from Consultant's payments up to the amount equal to the claims City may have against Consultant until such time that a settlement on those claims has been reached.

5.13 City's Right of Cancellation. The Parties acknowledge that this Agreement is subject to cancellation by City under the provisions of Section 38-511, Arizona Revised Statutes (A.R.S.).

5.14 Independent Consultant. For this Agreement Consultant constitutes an independent contractor. Any provisions in this Agreement that may appear to give City the right to direct Consultant as to the details of accomplishing the work or to exercise a measure of control over the work means that Consultant must follow the wishes of City as to the results of the work only. These results must comply with all applicable laws and ordinances.

5.15 Project Staffing. Prior to the start of any work under this Agreement, Consultant must submit to City detailed resumes of key personnel that will be involved in performing services prescribed in the Agreement. City hereby acknowledges its acceptance of such personnel to perform services under this Agreement. At any time hereafter that Consultant desires to change key personnel while performing under the Agreement, Consultant must submit the qualifications of the new personnel to City for prior approval. Key personnel include, but are not limited to, principals-in-charge, project manager, and project Consultant. Consultant will maintain an adequate and competent staff of qualified persons, as may be determined by City, throughout the performance of this Agreement to ensure acceptable and timely completion of the Scope of Services. If City objects, with reasonable cause, to any of Consultant's staff, Consultant must take prompt corrective action acceptable to City and, if required, remove such personnel from the Project and replace with new personnel agreed to by City.

5.16 Consultants or Subconsultants. Prior to beginning the work, Consultant must furnish City for approval the names of consultants or subconsultants to be used under this Agreement.

Any subsequent changes are subject to City's written prior approval.

5.17 Force Majeure. If either party is delayed or prevented from the performance of any act required under this Agreement by reason of acts of God or other cause beyond the control and without fault of the Party (financial inability excepted), performance of that act may be excused, but only for the period of the delay, if the Party provides written notice to the other Party within ten days of such act. The time for performance of the act may be extended for a period equivalent to the period of delay from the date written notice is received by the other Party.

5.18 Compliance with Federal Laws. Consultant understands and acknowledges the applicability of the Americans with Disabilities Act, the Immigration Reform and Control Act of 1986 and the Drug Free Workplace Act of 1989 to it. Consultant agrees to comply with these laws in performing this Agreement and to permit City to verify such compliance.

5.19 No Israel Boycott. By entering into this Agreement, Consultant certifies that Consultant is not currently engaged in, and agrees for the duration of the Agreement, not to engage in a boycott of Israel as defined by state statute.

5.20 Legal Worker Requirements. A.R.S. § 41-4401 prohibits City from awarding an Agreement to any consultant who fails, or whose subconsultants fail, to comply with A.R.S. § 23-214(A). Therefore, Consultant agrees Consultant and each subconsultant it uses warrants their compliance with all federal immigration laws and regulations that relate to their employees and their compliance with § 23-214, subsection A. A breach of this warranty will be deemed a material breach of the Agreement and may be subject to penalties up to and including termination of the Agreement. City retains the legal right to inspect the papers of any Consultant's or subconsultant's employee who provides services under this Agreement to ensure that Consultant and subconsultants comply with the warranty under this provision.

5.21 Lawful Presence Requirement. A.R.S. §§ 1-501 and 1-502 prohibit City from awarding an Agreement to any natural person who cannot establish that such person is lawfully present in the United States. To establish lawful presence, a person must produce qualifying identification and sign a City-provided affidavit affirming that the identification provided is genuine. This requirement will be imposed at the time of Agreement award. This requirement does not apply to business organizations such as corporations, partnerships, or limited liability companies.

5.22 Covenant Against Contingent Fees. Consultant warrants that no person has been employed or retained to solicit or secure this Agreement upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, and that no member of the Chandler City Council, or any City employee has any interest, financially, or otherwise, in Consultant's firm. For breach or violation of this warrant, City may annul this Agreement without liability or, at its discretion, to deduct from the Agreement price or consideration, the full amount of such commission, percentage, brokerage, or contingent fee.

5.23 Non-Waiver Provision. The failure of either Party to enforce any of the provisions of this Agreement or to require performance of the other Party of any of the provisions hereof must

not be construed to be a waiver of such provisions, nor must it affect the validity of this Agreement or any part thereof, or the right of either Party to thereafter enforce each and every provision.

5.24 Disclosure of Information Adverse to City's Interests. To evaluate and avoid potential conflicts of interest, Consultant must provide written notice to City, as set forth in this Section, of any work or services performed by Consultant for third parties that may involve or be associated with any real property or personal property owned or leased by City. Such notice must be given 7 business days prior to commencement of the services by Consultant for a third party, or 7 business days prior to an adverse action as defined below. Written notice and disclosure must be sent in accordance with Section 6.7 above. An adverse action under this Agreement includes, but is not limited to: (a) using data as defined in the Agreement acquired in connection with this Agreement to assist a third party in pursuing administrative or judicial action against City; or (b) testifying or providing evidence on behalf of any person in connection with an administrative or judicial action against City; or (c) using data to produce income for Consultant or its employees independently of performing the services under this Agreement, without the prior written consent of City. Consultant represents that except for those persons, entities, and projects identified to City, the services performed by Consultant under this Agreement are not expected to create an interest with any person, entity, or third party project that is or may be adverse to City's interests. Consultant's failure to provide a written notice and disclosure of the information as set forth in this Section constitute a material breach of this Agreement.

5.25 Data Confidentiality and Data Security. As used in the Agreement, "data" means all information, whether written or verbal, including plans, photographs, studies, investigations, audits, analyses, samples, reports, calculations, internal memos, meeting minutes, data field notes, work product, proposals, correspondence and any other similar documents or information prepared by, obtained by, or transmitted to Consultant or its subconsultants in the performance of this Agreement. The Parties agree that all data, regardless of form, including originals, images, and reproductions, prepared by, obtained by, or transmitted to Consultant or its subconsultants in connection with Consultant's or its subconsultant's performance of this Agreement is confidential and proprietary information belonging to City. Except as specifically provided in this Agreement, Consultant or its subconsultants must not divulge data to any third party without City's prior written consent. Consultant or its subconsultants must not use the data for any purposes except to perform the services required under this Agreement. These prohibitions do not apply to the following data provided to Consultant or its subconsultants have first given the required notice to City: (a) data which was known to Consultant or its subconsultants prior to its performance under this Agreement by a third party, who to the best of Consultant's or its subconsultants' knowledge and belief, had the legal right to make such disclosure and Consultant or its subconsultants are not otherwise required to hold such data in confidence; or (c) data which is required to be disclosed by virtue of law, regulation, or court order, to which Consultant or its subconsultants are subject. In the event Consultant or its subconsultants are required or requested to disclose data to a third party, or any other information to which Consultant or its subconsultants became privy as a result of any other Agreement with City, Consultant must first notify City as set forth in this Section of the request or demand for the data. Consultant or its subconsultants must give City sufficient facts so

that City can be given an opportunity to first give its consent or take such action that City may deem appropriate to protect such data or other information from disclosure. All data must continue to be subject to the confidentiality agreements of this Agreement. Consultant or its subconsultants assume all liability to maintain the confidentiality of the data in its possession and agrees to compensate City if any of the provisions of this Section are violated by Consultant, its employees, agents or subconsultants. Solely for the purposes of seeking injunctive relief, it is agreed that a breach of this Section must be deemed to cause irreparable harm that justifies injunctive relief in court. Consultant agrees that the requirements of this Section must be incorporated into all subagreements entered into by Consultant. A violation of this Section may result in immediate termination of this Agreement without notice.

5.26 Personal Identifying Information-Data Security. Personal identifying information, financial account information, or restricted City information, whether electronic format or hard copy, must be secured and protected at all times by Consultant or its subconsultants. At a minimum, Consultant or its subconsultants must encrypt or password-protect electronic files. This includes data saved to laptop computers, computerized devices, or removable storage devices. When personal identifying information, financial account information, or restricted City information, regardless of its format, is no longer necessary, the information must be redacted or destroyed through appropriate and secure methods that ensure the information cannot be viewed, accessed, or reconstructed. In the event that data collected or obtained by Consultant or its subconsultants in connection with this Agreement is believed to have been compromised, Consultant or its subconsultants must immediately notify City contact. Consultant agrees to reimburse City for any costs incurred by City to investigate potential breaches of this data and, where applicable, the cost of notifying individuals who may be impacted by the breach. Consultant agrees that the requirements of this Section must be incorporated into all subcontracts entered into by Consultant. It is further agreed that a violation of this Section must be deemed to cause irreparable harm that justifies injunctive relief in court. A violation of this Section may result in immediate termination of this Agreement without notice. The obligations of Consultant or its subconsultants under this Section must survive the termination of this Agreement.

5.27 Jurisdiction and Venue. This Agreement is made under and must be construed in accordance with and governed by the laws of the State of Arizona without regard to the conflicts or choice of law provisions thereof. Any action to enforce any provision of this Agreement or to obtain any remedy with respect hereto must be brought in the courts located in Maricopa County, Arizona, and for this purpose, each Party hereby expressly and irrevocably consents to the jurisdiction and venue of such court.

5.28 Survival. All warranties, representations, and indemnifications by Consultant must survive the completion or termination of this Agreement.

5.29 Modification. Except as expressly provided herein to the contrary, no supplement, modification, or amendment of any term of this Agreement will be deemed binding or effective unless in writing and signed by the Parties.

5.30 Severability. If any provision of this Agreement or the application to any person or circumstance may be invalid, illegal or unenforceable to any extent, the remainder of this

Agreement and the application will not be affected and will be enforceable to the fullest extent permitted by law.

5.31 Integration. This Agreement contains the full agreement of the Parties. Any prior or contemporaneous written or oral agreement between the Parties regarding the subject matter is merged and superseded.

5.32 Time is of the Essence. Time of each of the terms, covenants, and conditions of this Agreement is hereby expressly made of the essence.

5.33 Date of Performance. If the date of performance of any obligation or the last day of any time period provided for should fall on a Saturday, Sunday, or holiday for City, the obligation will be due and owing, and the time period will expire, on the first day after which is not a Saturday, Sunday or legal City holiday. Except as may otherwise be set forth in this Agreement, any performance provided for herein will be timely made if completed no later than 5:00 p.m. (Chandler time) on the day of performance.

5.34 Third Party Beneficiary. Nothing under this Agreement will be construed to give any rights or benefits in the Agreement to anyone other than City and Consultant, and all duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of City and Consultant and not for the benefit of any other party.

5.35 Conflict in Language. All work performed must conform to all applicable City of Chandler codes, ordinances, and requirements as outlined in this Agreement. If there is a conflict in interpretation between provisions in this Agreement and those in **Exhibit "A"**, the provisions in this Agreement prevail.

5.36 Document/Information Release. Documents and materials released to Consultant, which are identified by City as sensitive and confidential, are City's property. The document/material must be issued by and returned to City upon completion of the services under this Agreement. Consultant secondary distribution, disclosure, copying, or duplication in any manner is prohibited without City's prior written approval. The document/material must be kept secure at all times. This directive applies to all City documents, whether in photographic, printed, or electronic data format.

5.37 Exhibits. The following exhibits are made a part of this Agreement and are incorporated by reference:

Exhibit A - Scope of Services / Schedule

Exhibit B - Compensation and Fees

Exhibit C - Insurance Requirements

Exhibit D - Special Conditions

Exhibit E - Subconsultant Documents with Consultant (if applicable)

Exhibit F - Federal Requirements (if applicable)

5.38 Special Conditions. As part of the services Consultant provides under this Agreement, Consultant agrees to comply with and fully perform the special terms and conditions set forth in **Exhibit "D"**, which is attached to and made a part of this Agreement.

5.39 Non-Discrimination and Anti-Harassment Laws. Consultant must comply with all applicable City, state, and federal non-discrimination and anti-harassment laws, rules, and regulations.

5.40 Licenses and Permits. Beginning with the Effective Date and for the full term of this Agreement, Consultant must maintain all applicable City, state, and federal licenses and permits required to fully perform Consultant's services under this Agreement.

5.41 Warranties. Consultant must furnish a one-year warranty on all work and services performed under this Agreement. Consultant must furnish, or cause to be furnished, a two-year warranty on all fixtures, furnishings, and equipment furnished by Consultant, subconsultants or suppliers under this Agreement. Any defects in design, workmanship, or materials that do not comply with this Agreement must be corrected by Consultant (including, but not limited to, all parts and labor) at Consultant's sole cost and expense. All written warranties and redlines for as-built conditions must be delivered to City on or before City's final acceptance of Consultant's services under this Agreement.

5.42 Cooperative Purchasing Agreement (S.A.V.E. – Strategic Alliance for Volume Expenditures). In addition to City of Chandler and with the approval of Consultant, this Agreement may be extended for use by other municipalities, school districts, and government agencies of the State. Any such usage by other entities must be in accordance with the ordinance, charter, or procurement rules and regulations of the respective political entity.

5.43 Budget Approval into Next Fiscal Year. This Agreement will commence on the Effective Date and continue in full force and effect until it is terminated or expires in accordance with the provisions of this Agreement. The Parties recognize that the continuation of this Agreement after the close of the City's fiscal year, which ends on June 30 of each year, is subject to the City Council's approval of a budget that includes an appropriation for this item as an expenditure. The City does not represent that this budget item will be actually adopted. This determination is solely made by the City Council.

5.44 Forced Labor of Ethnic Uyghurs Prohibited. By entering into this Agreement, Contractor certifies and agrees Contractor does not currently use and will not use for the term of this Agreement: (i) the forced labor of ethnic Uyghurs in the People's Republic of China; or (ii) any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China; or (iii) any contractors, subcontractors or suppliers that use the forced labor or any goods or services produced by the forced labor of ethnic Uyghurs in the People's Republic of China.

5.45 License to City for Reasonable Use. With this Agreement, Consultant and its subconsultants hereby grant a license to City, its agents, employees, and representatives for an indefinite period of time to reasonably use, make copies, and distribute as appropriate the Documents, works or deliverables developed or created as a result of the Project and this Agreement. This license also includes the making of derivative works.

This Agreement will be in full force and effect only when it has been approved and executed by the duly authorized City officials.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the Effective Date.

"CITY"
CITY OF CHANDLER

"CONSULTANT"
KIMLEY-HORN AND ASSOCIATES, INC.

Mayor

Dave Leistiko December 16, 2025
Signature Date

RECOMMENDED BY:

Daniel Haskins December 16, 2025
Daniel Haskins, P.E.
CIP City Engineer

Dave Leistiko
Print Name

SR VP
Title

Dave.leistik@kimley-horn.com
Signer Email Address

APPROVED AS TO FORM:

City Attorney *JMB*

ATTEST:

City Clerk Seal

EXHIBIT "A"
SCOPE OF SERVICES/SCHEDULE



December 9, 2025

Ray Dovalina
Project Manager
City of Chandler

**RE: Scope of Work and Design Fee Proposal (Revision 3)
Kyrene Rd (Santan Loop 202 to Chandler Blvd)
City Project No.: ST2503.201**

Dear Ray,

Kimley-Horn and Associates, Inc. (Kimley-Horn) is pleased to submit this revised scope and fee proposal to perform professional design consulting services for the City of Chandler (City) for the Kyrene Road (Santan Loop 202 to Chandler Blvd) design project. Our proposal was initially prepared based upon the information obtained during our initial scoping meeting held on October 9, 2025 with City staff. Subsequent revisions have been based on subsequent meetings with specialized City staff the week of October 13, 2025, additional comments received from the City on 10/29/25, additional meeting with the City Water on 11/24/25, and final comments received 12/9/25 via email.

The professional services fee (total contract fee) for the project is \$2,473,209 including allowances, sub-consultants and direct expenses.

We are excited for the opportunity to partner with the City to help successfully deliver this project. Should you have any questions or need additional information, please contact me at 602-216-1228 or ryan.marks@kimley-horn.com

Very truly yours,

KIMLEY-HORN AND ASSOCIATES, INC.

A handwritten signature in black ink, appearing to read "Ryan Marks".

Ryan Marks, P.E.
Project Manager

Enclosures

PROJECT DESCRIPTION

This project involves street widening improvements to Kyrene Road from San Tan Freeway/Loop 202 to Chandler Boulevard. The segment is proposed to be widened from 4-thru lanes to 6-thru lanes. Improvements may include additional lanes, bike lanes, median improvements, bus pads, streetlights, additional pedestrian facilities, landscaping, public engagement, right-of-way acquisition, and utility relocations. The project will also conduct an update of the previous project assessment that was completed in 2021, considering a design year of 2050 instead of the previous assumption of 2040.

This project was initially presented to the City of Chandler because cars were backing up on Loop 202 trying to get off on Kyrene Road during peak hours. A Project Assessment was completed in November 2021, which analyzed different options to widen the road to help get cars off Loop 202 and through this stretch of roadway to Chandler Blvd. As part of the study, the project team performed a traffic analysis. This was done during COVID, so traffic counts were analyzed, and projected from Pre-COVID era. Even though traffic is not backing up on the freeway in 2025 due to reduced commuter trips, the potential remains for those commuter trips to increase again, so this project will expand the road to its anticipated ultimate configuration. This project is included in the City's 2020 Transportation Master Plan and is programmed in the Maricopa Association of Governments (MAG) Regional Arterial Life Cycle Program (ALCP), which is funded by the Regional Area Road Fund (RARF), which is not federal funding. The overall project will use Proposition 479 regional funds.

DESIGN STANDARDS

DESIGN CONSULTANT shall perform the specific Project Tasks outlined below. All work shall conform to the latest edition and amendments of the City of Chandler's Unified Development Manual (UDM), MAG Uniform Standard Specifications and Details for Public Works Construction, Manual of Uniform Traffic Control Devices for Streets and Highways (MUTCD), and AASHTO Policy on Geometric Design of Highways and Streets unless specifically noted otherwise.

PROJECT TASKS

1. DATA COLLECTION

a. Task 1.1: Collect and Review Existing Records

- i. DESIGN CONSULTANT shall request and obtain, and CITY shall provide at no cost to DESIGN CONSULTANT the following, but not necessarily limited to, existing information as available: as-built drawings, related design studies and reports, geotechnical investigations, traffic data and projections, maintenance records, and drawings of developments planned within the project area.
- ii. DESIGN CONSULTANT shall keep a log and copy of all information collected through the duration of the project, including photos, as-builts, reports, and other documents provided from CITY, stakeholders, utility companies, external agencies, and developers.

2. PUBLIC UTILITY COORDINATION

a. Task 2.1 Utility Coordination

- i. DESIGN CONSULTANT shall perform utility coordination in conformance with City Design Standards.
 1. DESIGN CONSULTANT shall coordinate with each utility company to determine if the utilities have any need to upgrade their facilities before or during the project's construction.
 2. DESIGN CONSULTANT shall work with the CITY to coordinate the early determination of facilities that may be abandoned or deactivated.
 3. DESIGN CONSULTANT shall send Utility Conflict Review letters to each utility company notifying them of the project and defining the project scope and timeline along with Project Plans at each submittal (30%, 60%, 95%, 100%, and Final) for their review along with a request for written response from each company to determine the disposition of their utility as it relates to the planned roadway improvements.
 4. For each submittal to the utility companies, DESIGN CONSULTANT shall provide the CITY each with a written record of receipt.
 5. DESIGN CONSULTANT shall create a utility inventory and conflict log for the project and maintain updates for all submittals.
- ii. DESIGN CONSULTANT shall work with the CITY to facilitate utility coordination meetings following each submittal (30%, 60%, 95%, 100%, Final). This task includes up to six (6) general utility coordination meetings. DESIGN CONSULTANT anticipates a maximum of three personnel attending the utility coordination meetings.
- iii. DESIGN CONSULTANT shall work with the CITY to facilitate Salt River Project (SRP) meetings. This task includes up to twenty-four (24) coordination meetings which include the pre-design meeting, milestone meetings, and monthly meetings as needed. DESIGN CONSULTANT anticipates a maximum of three personnel attending the SRP coordination meetings.
- iv. DESIGN CONSULTANT shall work with the CITY to facilitate individual private utility meetings. This task includes up to twelve (12) coordination meetings with individual

- private utilities (non-SRP) as needed. DESIGN CONSULTANT anticipates a maximum of two personnel attending the individual private utility coordination meetings.
- v. DESIGN CONSULTANT shall assist the CITY with review of up to three (3) prior rights documents provided by private utilities that are in conflict with the project.
 - vi. DESIGN CONSULTANT shall review existing field conditions on-site prior to the 30% submittal to verify existing utilities identified in the survey.

b. Task 2.2: Utility Locating and Verification

- i. DESIGN CONSULTANT shall be responsible for field verifying the horizontal locations of all utilities within the project limits prior to the 30% design submittal.
- ii. DESIGN CONSULTANT shall prepare base maps detailing all existing utility data and transmitting to the utility companies for verification and comment concerning the utility locations. DESIGN CONSULTANT shall incorporate the utility company comments into the base maps.
- iii. DESIGN CONSULTANT shall verify the elevation of any utilities, using potholing, which are identified as being in potential conflict with CITY's Improvements.
 - 1. During the 30% design phase, DESIGN CONSULTANT shall develop a suggested pothole list that identifies stationing and offset. DESIGN CONSULTANT shall provide the list to utility companies affected by the project, and facilitate coordination of a master pothole list.
 - 2. Prior to completion of the 60% plans, DESIGN CONSULTANT shall provide two-hundred seventy five (275) vacuum excavation potholes (testholes) on existing subsurface utilities at locations identified on the master pothole list. Pertinent pothole data shall be presented in spreadsheet format on a standard "Testhole Data Summary" form that includes the utility found, depth, horizontal and vertical location, size and material composition, and top and bottom elevation of the utility line exposed. Potholes shall be patched back with hot mix and backfilled with half sack slurry per MAG Detail 212.
 - 3. DESIGN CONSULTANT shall be responsible for field survey to initially stake the pothole location in white paint or white flagging for Blue Stake notification and as a reference point for the surveyed location of each pothole. DESIGN CONSULTANT shall identify the pothole number, northing, easting and elevation of the staked location. DESIGN CONSULTANT shall measure and record adjustments from the surveyed location to the steel reference pin set above the centerline of each exposed utility.
 - 4. Vacuum excavation potholing shall include mobilization, set-up, traffic control pavement cut and removal (if any), pavement patch as specified in Streetcut Permit (if any), excavation, backfill and compaction, all information requested, and clean up.
 - 5. DESIGN CONSULTANT shall apply for and obtain permits for potholing.
 - a. Subconsultant AIMS Companies shall complete all services described in Task 2.2.iii. described above. DESIGN CONSULTANT shall coordinate all work completed by subconsultant.
- iv. DESIGN CONSULTANT shall conduct Subsurface Utility Engineering (SUE) per American Society of Civil Engineering (ASCE) publication CI/ASCE 38-02 "Standard

Guideline for the Collection and Depiction of Existing Subsurface Utility Data” at a “Quality Level C” for public water, sewer, reclaimed water and overhead utilities.

- v. DESIGN CONSULTANT shall conduct Subsurface Utility Engineering (SUE) per ASCE publication CI/ASCE 38-02 “Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data” at a “Quality Level B” for locatable existing underground utilities including private water, private sewer, private reclaimed water, gas, cable TV, telephone, fiber, and power.

c. Task 2.3: Utility Strip Map (NOT APPLICABLE)

d. Task 2.4: Utility Relocation Design Coordination

- i. DESIGN CONSULTANT shall coordinate with the utilities to facilitate the design to relocate their facilities. DESIGN CONSULTANT shall request a letter from each utility impacted by the planned roadway improvement identifying a time line for relocating their facilities.
- ii. DESIGN CONSULTANT shall specifically identify utility conflicts, with input from utility companies and CITY, which might affect alignment or grade and recommend alignment alternatives.
- iii. Prior to 30% plan submittal, DESIGN CONSULTANT shall develop preliminary alignments of any utilities requiring relocation for which the CITY has requested an alignment design. DESIGN CONSULTANT shall submit preliminary locations to each utility for review with a request for written response from each utility.

1. DESIGN CONSULTANT shall utilize SRP supplied maps, survey information and field visit data to prepare a conceptual 15% layout showing the potential SRP underground route, potential equipment locations and identifying SRP equipment needing relocation to accommodate the conceptual roadway improvement design. This includes a conversion of overhead to underground design for approximately 1400’ of existing 12kv overhead distribution lines along the east side of Kyrene Rd between W Fry Rd and Gila Springs Blvd. The proposed new route of SRP underground lines may also include other communication utilities as part of conversion and joint use conduit coordination.

2. DESIGN CONSULTANT will coordinate with SRP to review conceptual plan and seek feedback on route selection and proposed equipment locations. DESIGN CONSULTANT will also evaluate easement needs and impacts. DESIGN CONSULTANT will discuss joint use/joint trench requirements and spare conduit needs for SRP. Once this meeting is completed and the comments are reviewed with

the CITY, DESIGN CONSULTANT will proceed with the preliminary 30% design layout.

3. DESIGN CONSULTANT shall produce a preliminary 30% layout based upon conceptual design and with feedback from SRP and CITY showing the proposed SRP underground distribution route, proposed equipment locations and identifying SRP equipment needing relocation to accommodate the preliminary roadway improvement design. This design will include duct bank details showing conduit count and racking requirements per SRP design standards and pad size and locations along the road right of way. This preliminary routing will also include proposed streetlight conduits and power source transformer locations that align with the new streetlight plan.

- iv. DESIGN CONSULTANT shall coordinate with CITY to make joint trenching recommendations for underground utilities, and submit those recommendations to the CITY for approval.
- v. DESIGN CONSULTANT shall identify utility easements and provide legal descriptions to the CITY, per Task 7.2, to facilitate land acquisition during the design phase.
- vi. DESIGN CONSULTANT shall review all utility relocation plans for constructability within the project limits. This task includes up to two (2) reviews of private utility relocation plans per utility (up to 16 reviews in total).
- vii. Prior to submittal of Final (100%) construction documents, DESIGN CONSULTANT shall work with private utilities to verify and report to the CITY that all utility relocations have been designed and coordinated with proposed CITY and private installations, and that such relocations shall not impact the proposed construction schedule of the CITY's project.

e. Task 2.5: Utility Clearance Letter and Service Request Letters

- i. DESIGN CONSULTANT shall prepare a utility clearance letter, providing a review of proposed utility plans, including conflict evaluation, and general considerations.
- ii. DESIGN CONSULTANT shall provide load calculations for new services to the utilities and prepare service request letter.
- iii. DESIGN CONSULTANT shall coordinate water and power addressed with the City.

3. PROGRESS MEETINGS

a. Task 3.1: Monthly Progress Meetings

- i. This task includes up to twenty-four (24) general progress meetings based on monthly meetings for up to 24 months. DESIGN CONSULTANT anticipates a maximum of four (4) personnel attending the Progress Meetings.
- ii. This task includes up to two half-hour phone call updates with City per month (48). DESIGN CONSULTANT anticipates a maximum of two (2) personnel attending the Phone Call Updates.
- iii. DESIGN CONSULTANT shall prepare and distribute meeting minutes for each Progress Meeting, including Action Items to be reviewed and updated at each Progress Meeting.

b. Task 3.2: Comment Resolution Meetings

- i. Meeting shall be held no later than one month after redlines are returned to DESIGN CONSULTANT at each plan submittal. Comments Resolution Meetings are for both internal and external agency reviews.

c. Task 3.3: ADOT Coordination

- i. DESIGN CONSULTANT will coordinate the improvements within ADOT R/W at Kyrene Road and SR 202L.
- ii. DESIGN CONSULTANT will schedule and attend up to four (4) meetings with ADOT, anticipated to be a pre-application meeting, comment resolution meeting (s), and other meetings as needed throughout the project duration.

4. PUBLIC AND STAKEHOLDER MEETINGS

a. Task 4.1: Public Meetings

DESIGN CONSULTANT will be responsible for the following public engagement related activities. For purposes of this project, public engagement refers to the community, area residents, area visitors, and locally adjacent businesses along the corridor.

- i. Project Advertising and Engagement Materials – DESIGN CONSULTANT will develop collateral, marketing, and advertisement materials in support of the project. This includes, but not limited to, social media graphics and captions, project flyers/fact sheets, post cards and associated mailing to a notification area of ½ mile radius of the project limits, development of yard signs. These materials will be reviewed and updated for advertisement of 2 public meetings. DESIGN CONSULTANT will develop website text and work with the CITY Communications and Information Technology teams to establish a project website hosted on the CITY servers. A project hotline and dedicated email address will be established for the project and managed by DESIGN CONSULTANT.
- ii. Virtual Engagement and Recorded Presentation - DESIGN CONSULTANT will develop virtual and online engagement and outreach strategies and materials. A project survey will be developed and hosted by DESIGN CONSULTANT, and reviewed and approved by the CITY prior to advertising it to the public. DESIGN CONSULTANT will develop a presentation and associated recorded webinar to be placed on the project website, and congruent with public meetings.
- iii. In-Person Public Engagement and Summary Reports – DESIGN CONSULTANT will coordinate up to two (2) public meetings throughout the duration of the project. These meetings will be coordinated, planned, and attended by up to four (4) staff. The CITY is responsible for determining and scheduling the meeting location(s), time, and logistics. DESIGN CONSULTANT will prepare presentations, produce roll plot exhibits, and other materials determined necessary for these public meetings. Yard signs, postcard mailings, and advertisement materials will be developed for each meeting.

DESIGN CONSULTANT will coordinate up to one (1) pop-up event at a location along the corridor (assume Nozomi Park). This pop-up event will focus on soliciting direct feedback from those users that my drive, bike, and interact with the corridor. This will allow the project team to understand any unique needs and develop design plans based off of their feedback.

DESIGN CONSULTANT will coordinate up to four (4) one-on-one meetings throughout the duration of the project, and would be held with HOAs, businesses, community groups, etc. that may request direct contact with the project team. It is assumed up to three (3) staff will attend these meetings. This task includes engaging with the community and businesses for letters of support as determined by the project management team.

DESIGN CONSULTANT will attend and present at up to three (3) of the City’s Transportation Commission meetings or City Council Sessions as needed, including preparation of a brief presentation of the project progress and findings. Up to three (3) staff will attend these meetings.

Following each public meeting, DESIGN CONSULTANT will produce summary reports for the project team within 1 week of the public event, and eventually compile into a Final Public Engagement Summary Report.

5. PROJECT MANAGEMENT

a. Task 5.1: Project Monitoring

- i. Prepare regular monthly progress reports
- ii. Perform regular budget monitoring
 - 1. Pay applications will be submitted monthly. Invoices will be broken down to the same level of detail as the attached fee schedule.
- iii. Perform regular schedule monitoring

1. DESIGN CONSULTANT shall adhere to the production schedule established for the project and such schedule may not be modified or deviated from without written consent by the CITY.

2. The following is the project schedule that the DESIGN CONSULTANT shall manage and maintain. DESIGN CONSULTANT shall revise and submit for review an updated schedule whenever completion of the project design, or any of the partial completion points listed in the schedule are delayed by one week or more. Such adjusted schedule shall include a written explanation stating the reasons for the schedule change and a plan for getting back on schedule. DESIGN CONSULTANT shall take all reasonable action necessary to get the project back on schedule and CITY shall cooperate to assist DESIGN CONSULTANT.

Notice To Proceed (NTP)	0
Data Collection/Survey	NTP + 10 Weeks
Submit 15% PA Verification	NTP + 24 Weeks

Submit 30% Plans, Specifications, and Estimate	NTP + 40 Weeks
Submit ROW Acquisition Documents	NTP + 50 Weeks
Submit 60% Plans, Specifications, and Estimate	NTP + 60 Weeks
Submit 95% Plans, Specifications, and Estimate	NTP + 80 Weeks
Submit 100% Plans, Specifications, and Estimate	NTP + 95 Weeks
Submit Final Plans, Specifications, and Estimate	NTP + 110 Weeks

b. Task 5.2: Design Quality Control Plan

- i. DESIGN CONSULTANT shall institute and comply with the Design Quality Control Plan established for the project.

c. Task 5.3: Manage Sub-Consultants

- i. DESIGN CONSULTANT shall monitor all sub-consultants schedule and work products and ensure that all activities are coordinated.

6. DESIGN SURVEY

a. Task 6.1: Ground Survey

- i. DESIGN CONSULTANT shall perform ground survey to establish horizontal and vertical control throughout the project limits based on the datum specified by the CITY. Survey control for the project shall be in accordance with CITY requirements. The horizontal survey data used for the project shall be presented in State Plane Coordinates, North American Datum of 1983 (NAD 83) 2011 epoch, and Arizona Central Zone, International Foot. Vertical datum shall be referenced to the North American Vertical Datum of 1988 (NAVD 88), International Foot, and in particular those NAVD 88 elevations assigned to benchmarks shown on published City of Chandler Benchmarks – Vertical Control map and list. Existing roadway centerline shall be established using existing street monumentation along with recorded surveys, plats and deeds available from the Maricopa County Recorder’s Office and/or the MCDOT plat index.

b. Task 6.2: Topographic Survey

- i. DESIGN CONSULTANT shall perform a full topographic survey of all existing features including but not limited to curb and gutter, striping, median curb, catch basins, scuppers, water meter boxes, water and gas valves, manholes, utility poles and guy wires, traffic signal poles, utility boxes, fences, trees, shrubs, ground cover, mailboxes, public and private irrigation. DESIGN CONSULTANT shall take elevations as follows:

1. Pavement along centerline of Kyrene Road and Chandler Blvd at 50 feet intervals within the project limits from R/W to R/W.
2. Gutter flow line and top of curb for all existing curb and gutter, at the pavement adjacent to median curb, at the outside edge of pavement (where there is no curb) and at existing ground at grade breaks and at least 20 foot intervals beyond the edge of pavement or back of curb to a distance of 20 feet outside of proposed ROW on each

side of roadway, unless there is an existing fence or wall on private property within these distances, in which case, data will be collected only up to the fence or wall

3. Pavement, Gutter flow line, and top of curb for all existing curb and gutter, and sidewalk

4. Driveway locations at (at least) 10' intervals along the centerline and edges of each driveway beginning at the gutter flow line for a distance of 20 feet beyond the proposed or existing right-of-way, whichever is furthest from the centerline, as allowed by the property owner. DESIGN CONSULTANT shall document all grade breaks along each driveway centerline and edges.

5. Catch basins, manholes, pipes and water valve nuts (including inverts)

c. Task 6.3: Benchmarks

DESIGN CONSULTANT shall establish temporary benchmarks at least 1,000 feet apart along Kyrene Road between SR202L and Chandler Blvd.

d. Subconsultant S&F Land Services shall complete all services described in Task 6 above. DESIGN CONSULTANT shall coordinate all work completed by subconsultant.

7. RIGHT-OF-WAY (ROW) COORDINATION

a. Task 7.1: ROW Strip Map

i. Starting at 30% Design, DESIGN CONSULTANT shall prepare a right-of-way strip map overlaid on an aerial photograph of the project limits, showing existing property lines, easements, and utilities. The right-of-way strip map is for the purpose of identifying property boundaries to prepare legal descriptions and exhibits for property acquisition, permanent and/or temporary drainage easements (DE) (TDE), temporary construction easements (TCE), and utility easements and shall include a list of identified properties and property rights. The CITY shall provide litigation reports for the parcels within the project limits.

b. Task 7.2: Legal Descriptions

i. DESIGN CONSULTANT shall provide legal descriptions and exhibits for the acquisition of new right-of-way, temporary construction easements, drainage tracts, drainage easements, county remnants, and utility easements. DESIGN CONSULTANT shall utilize title reports (mentioned in 7.1 above) and Sectional/centerline field survey to define the boundaries of properties where new right-of-way or easements are anticipated. DESIGN CONSULTANT shall provide closure data for all written legal descriptions and exhibits.

ii. The scope of work includes:

1. The preparation of up to 75 written legal descriptions and exhibits, for the acquisition of permanent right-of-way (ROW), permanent and/or temporary drainage easements, and utility easements. Legal Descriptions and exhibits for drainage easements shall be accompanied by volumetric calculations, and shall define that portion of the retention which is required to be retained by the subject property and that portion which is retained for adjacent properties.

c. Task 7.3: ROW Documents

- i. DESIGN CONSULTANT shall submit right-of-way documents to the CITY Within 30 days of the resolution of 30% plan review comments. These documents shall include legal descriptions & exhibits, and right-of-way strip maps for all acquisitions and easements.

d. Task 7.4: Property Exhibits

- i. DESIGN CONSULTANT shall prepare individual property exhibits for each property with acquisitions in two formats for the CITY real estate group to use in negotiations.
 1. Format 1 (Detailed Version) will show the existing conditions, aerial image, proposed improvements, and proposed right-of-way with annotation and dimensions
 2. Format 2 (Generic Version) will simply show the existing right-of-way with proposed right-of-way acquisitions in bold shapes for City use in offer packages.

8. GEOTECHNICAL

a. Task 8.1: Geotechnical Subsurface Exploration and Laboratory Testing

- i. DESIGN CONSULTANT shall conduct a visual geologic reconnaissance of the project area and review available geologic literature and aerial photographs of the project site and shall conduct a visual pavement reconnaissance of the roadway segment in question.
- ii. DESIGN CONSULTANT shall obtain City and Maricopa County Encroachment permits, as necessary, to conduct work in the Right-of-Way. If needed, DESIGN CONSULTANT shall arrange for and compensate for off-duty police officers.
- iii. DESIGN CONSULTANT shall create a boring and coring plan to establish test locations in the field and arrange for the mark-out of underground utilities through Arizona Blue Stake.
- iv. DESIGN CONSULTANT shall core the existing pavement of the roadway segment in question at up to five (5) locations to determine the existing structural (asphalt and aggregate base) section. The corings shall be combined with the test borings.
- v. DESIGN CONSULTANT shall drill five (5) hollow-stem auger borings using a truck-mounted two-wheel drive drill rig. These borings shall be located within the existing roadway or in the shoulder whichever is more appropriate and shall extend up to 10 feet deep. DESIGN CONSULTANT shall collect ring samples and bulk samples for laboratory testing and shall be responsible for preparation of field boring logs.
- vi. DESIGN CONSULTANT shall perform up to one (1) double ring infiltrometer percolation test 3 feet in depth for proposed and existing drainage retention areas.
- vii. DESIGN CONSULTANT shall perform laboratory testing to evaluate the index, compressibility, expansion and chemical characteristics of the subsurface soils encountered.

b. Task 8.2: Geotechnical Report

- i. DESIGN CONSULTANT shall prepare a draft geotechnical report, to accompany the 30% submittal, which shall contain the results of the field and laboratory analyses, with

- presentations of the engineering parameters for design of the new pavement and recommendations for construction. In addition, the reports shall contain vicinity maps depicting the project limits, plans showing the boring locations, narrative descriptions of the surface and subsurface conditions, laboratory test results and geotechnical recommendations related to excavation characteristics, bedding material, backfilling guidelines, subgrade support for new pavements, pavement design recommendations, pavement rehabilitation recommendations, and the re-use of on-site soils for engineered fill.
- iii. DESIGN CONSULTANT shall incorporate comments received on the draft geotechnical report into a final geotechnical report to accompany the 60% submittal.

c. Subconsultant Ninyo & Moore shall complete all services described in Task 8 above. DESIGN CONSULTANT shall coordinate all work completed by subconsultant.

9. ENVIRONMENTAL SERVICES

a. Task 9.1: Phase 1 Environmental Site Assessment (ESA)

- i. DESIGN CONSULTANT shall conduct a Phase I Environmental Site Assessment (ESA) in accordance with ASTM-1527-21 and submit a draft Phase I ESA report inclusive of each property requiring new acquisition and/or easements to the CITY at a reasonable timeframe prior to closing on the properties. A Phase I ESA (up to 35 parcels) shall be prepared for the project. The Phase I ESA reports shall document findings and provide opinions and recommendations regarding possible environmental impacts at the sites. DESIGN CONSULTANT shall provide color photographs and figures in each report. Following review by the CITY, DESIGN CONSULTANT shall review the CITY's comments and address those comments in the final Phase I ESA's.
1. DESIGN CONSULTANT shall perform up to 1 (one) update to each of the Phase I ESA reports. Any additional updates or reports shall only be done with prior written direction from the City and shall be compensated utilizing the Owner's allowance.
 2. DESIGN CONSULTANT shall review lease records for the sites, to evaluate probable past site uses and their possible impact on the current environmental status of the sites.
 3. DESIGN CONSULTANT shall review readily available maps and reports pertaining to the sites to evaluate probable past site use and their possible impact on the current environmental status of the sites.
 4. CITY shall obtain title commitments including Schedule B to show liens and a chain-of-title report for ownership back to 1940 or earlier for each property to be acquired and provide to DESIGN CONSULTANT. DESIGN CONSULTANT shall review chain-of-title report for each parcel to evaluate probable past site use and their possible impact on the current environmental status of the sites.
 5. DESIGN CONSULTANT shall conduct interviews with the property representatives regarding the environmental status of the sites.
 6. DESIGN CONSULTANT shall perform a site reconnaissance to visually identify areas of possibly contaminated surficial soil or surface water, improperly stored hazardous materials, possible sources of polychlorinated biphenyls (PCBs), and possible risks of contamination from activities at the sites and adjacent properties.

7. DESIGN CONSULTANT shall review available regulatory agency files, databases, and historical documents for the sites and adjacent properties to evaluate past and current site usage and the possible environmental impact to the site. Regulatory agencies Maricopa County Environmental Services Department, Air Pollution Control District, and Maricopa Flood Control District. Databases shall identify locations of known hazardous waste sites, landfills, and leaking underground storage tanks, permitted facilities that utilize underground storage tanks, and facilities that use, store or dispose of hazardous materials.

8. DESIGN CONSULTANT shall also make note of utility connection or lack of utility connections for each site. Historical documents include aerial photographs, Sanborn Insurance Maps, and As-Built Records

9. DESIGN CONSULTANT shall review Arizona Department of Environmental Quality databases for deed restrictions such as Declaration of Environmental Use Restrictions and Voluntary Environmental Mitigation Use Restrictions.

10. DESIGN CONSULTANT shall perform visual observations limited to the surface area of the property and contiguous sites. Subsurface explorations, soil sampling, surface and groundwater sampling, and chemical analyses are not included in this proposal. The reports shall be based solely on information gained from direct observation, personal interviews, and examinations of regulatory records.

b. Task 9.2: Biological Resources Memorandum

- i. DESIGN CONSULTANT will obtain and review an Official Species List for the project area from the U.S. Fish and Wildlife Service (USFWS) Information, Planning, and Consultation (IPaC) system to determine if threatened, endangered, proposed, and/or candidate species may occur in the project vicinity. The Arizona Game and Fish Department (AGFD) on-line environmental review tool (OERT) report will be obtained to determine special status species are known to occur in the project vicinity. DESIGN CONSULTANT will conduct one site visit to document site characteristics with ground photography. Results of this assessment will be included in a brief Biological Resources Memorandum. Should further documentation be required, DESIGN CONSULTANT will provide a scope and fee for this additional task at the request of the CITY.

c. Task 9.3: Cultural Resources

- i. DESIGN CONSULTANT will conduct a Class I cultural resource records review. This review will identify the type, location, and distribution of previously recorded cultural resources and gather information on past cultural resource projects in the vicinity. Per State Historic Preservation Office (SHPO) requirements, the records review will include a 1/2-mile buffer around the project area. DESIGN CONSULTANT archaeologists will consult records from AZSITE, Arizona's online cultural resources database, the Archaeological Records Office at the Arizona State Museum (ASM), records housed at the Digital Archaeological Record (DAR), General Land Office historic plats filed with the BLM, historic U.S. Geological Survey topographic maps, historic aerial photographs, the National Register of Historic Places, and the Arizona Register of Historic Places.
- ii. Because the project area is located within a City of Chandler right-of-way, the project is required to comply with the Arizona Antiquities Act (ARS 41-481 et seq.). DESIGN CONSULTANT holds an Arizona Antiquities Permit (2025-038bl) for conducting non-

- collection surveys within the State of Arizona. DESIGN CONSULTANT will conduct a Class III Cultural Resource Survey. A team of professional archaeologists will visit the project area to conduct an intensive pedestrian survey of those portions of the project area that have not been surveyed within the last 10 years. Cultural resources encountered within the project area will be mapped using a professional grade Global Positioning System with a sub-meter accuracy. Where appropriate, cultural resources will be photographed.
- iii. DESIGN CONSULTANT will prepare a cultural resource survey report compliant with Arizona SHPO standards. The report will include the results of the Class I records check and the Class III cultural resource survey. The report will include sections on cultural context, results of the fieldwork, including descriptions of cultural resources identified in the project area, recommendations of any cultural resources for inclusion in the Arizona Register of Historic Places, and recommendations regarding the need for further archaeological work.
 - iv. Following completion of the project and acceptance of the report, a Project Registration Form (PRF) will be completed and submitted along with field notes, project photographs and copies of the report.
 - v. It is assumed that no more than one cultural resource will be identified in the project area. Data recovery and cultural monitoring are not included.

d. Task 9.4: Environmental Compliance Memo (for ADOT Encroachment Permit)

- i. DESIGN CONSULTANT will complete an environmental compliance memo to support the ADOT encroachment permit at the intersection of Kyrene Road and SR 202L. The memo will include all pertinent supporting documents as listed in the Environmental Task.

10. PLANS, SPECIFICATIONS AND ESTIMATES

a. Task 10.0: Preliminary Design

Task 10.0A: Traffic Analysis

- i. DESIGN CONSULTANT will coordinate the collection of current two-hour typical weekday AM (7-9am) and PM (4-6pm) peak period traffic turning movement count (TMC) data, at the following five project intersections:
 - 1. Kyrene Road & Chandler Boulevard
 - 2. Kyrene Road & Gila Springs Boulevard
 - 3. Kyrene Road & Frye Road
 - 4. Kyrene Road & Loop 202 Westbound Ramps (WB, NB, and SB Movements)
 - 5. Kyrene Road & Loop 202 Eastbound Ramps (EB, NB, and SB Movements)
- ii. DESIGN CONSULTANT will coordinate the collection of 24-hour typical weekday traffic turning movement count (TMC) data in support of a signal warrant, at the following intersection:
 - 1. Kyrene Road & Frye Road/Chicago Street
- iii. DESIGN CONSULTANT will coordinate the collection of current 24-hour typical weekday vehicle classification count data at the following locations:
 - 1. Kyrene Road between Gila Springs Boulevard and Chicago Street

- iv. Above traffic count data will be collected by others, and the DESIGN CONSULTANT will invoice the CITY as a reimbursable expense.
- v. DESIGN CONSULTANT will request from MAG the daily travel demand model (TDM) volumes for the roads within the project limits (e.g., Kyrene Road from Loop 202 to Chandler Boulevard) for the existing (assumed to be 2025) and future (assumed to be 2050 for the design year) regional no-build and build model scenarios.
- vi. The City will provide available AM and PM peak hour Synchro models and current signal timing information for the signalized project intersections as well as historical traffic count data and information on future developments in the area, if available. DESIGN CONSULTANT will confirm the project intersection geometry and signal data shown in the Synchro models reflect current conditions.
- vii. Analysis of Existing Conditions - DESIGN CONSULTANT will conduct traffic analysis for weekday AM and PM peak hours using the Synchro traffic model provided by the City and peak hour volumes derived from the collected traffic count data. DESIGN CONSULTANT will identify geometric and/or operational deficiencies during the AM and PM peak hours at the project intersections. An overall intersection level of service (LOS) of "D" or better is considered acceptable for the signalized project intersections.
- viii. Analysis of Future Conditions - DESIGN CONSULTANT will conduct design year traffic analysis for the future "no-build" conditions (i.e., assuming existing geometry). DESIGN CONSULTANT will develop future daily and AM and PM peak hour volumes based on projections derived from the annual growth rates calculated between the existing and future MAG model volumes. DESIGN CONSULTANT will identify geometric and/or operational deficiencies during the AM and PM peak hours at the project intersections. An overall intersection LOS of "D" or better is considered acceptable for the signalized project intersections.
- ix. Alternatives Development and Evaluation - DESIGN CONSULTANT will conduct design year traffic analysis for up to three future "build" alternatives at each project intersection. One of the alternatives will evaluate the configuration from the *Final Project Assessment Kyrene Road – SR 202 L to Chandler Boulevard*. The other two alternatives will differ in the improvements assumed and capacity provided to identify which potential improvements are most cost-effective. DESIGN CONSULTANT will identify recommended geometric and operational improvements, taking into consideration operational and safety benefits as well as adverse impacts in terms of right-of-way, relative cost, and other impacts.
- x. Crash Analysis - DESIGN CONSULTANT will obtain from ADOT the latest available six full calendar years of crash data for the project intersections and the portions of Kyrene Road in between the project locations, to conduct a crash analysis and summarize the crash data at each location by severity and type. The CITY will also provide the most recent two years of the City's annual crash report. DESIGN CONSULTANT will also develop text, tables, and/or figures to describe the findings of the crash analysis to identify crash patterns and potential mitigation measures.
- xi. Signal Warrant Analysis – DESIGN CONSULTANT will use the 24-hour turning movement counts collected at the Kyrene Road/Chicago Street intersection to complete a MUTCD Signal Warrant 1 (eight hour) and Warrant 2 (four hour) for the existing and 2050 build conditions.
- xii. Access Control Management - DESIGN CONSULTANT will also provide recommendations regarding access control management strategies that balance the need to provide access to adjacent land and roads with the need to promote safe and efficient operations.
- xiii. Traffic Report - DESIGN CONSULTANT will prepare a draft Traffic Report that summarizes the findings of the traffic analysis conducted on existing and future traffic conditions and provides recommendations on road segment and intersection geometry to promote safe and efficient traffic operations through the design year. The draft Traffic

Report will be submitted to the City in PDF format for one round of review. A sealed final Traffic Report that addresses any comments received from the City on the draft Traffic Report will be submitted to the City.

Task 10.0B: Alternative Development/Evaluation

- i. DESIGN CONSULTANT shall produce an initial layout showing the City standard typical section per C-203 (Major Arterial) and standard intersection per C-223 (Major/Major Arterial Intersection) applied to the full project limits. This standard layout will assume symmetrical widening throughout the corridor.
- ii. DESIGN CONSULTANT shall evaluate alternative typical sections, alignments, and intersection layouts as described below. Alternative evaluation will not proceed until preliminary traffic analysis is completed and the CITY has confirmed the proposed alternatives during the Design Kickoff Meeting.
 1. Kyrene Rd – SR 202L to Chandler Blvd - Existing roadway outer curb width is minor arterial (4-lanes) and proposed project is major arterial (6-lanes) typical section (C-203). There are existing major utilities and right-of-way impacts along the corridor. Evaluate up to two (2) alternative typical section options to reduce impacts, such as shifting the roadway, moving on-street bike lane to a shared-use path, or reducing lane and median widths.
 2. Kyrene Rd & Chandler Blvd Intersection - Existing intersection is missing a dedicated right-turn lane (westbound) and dual left turn lanes on all approaches compared to the City standard intersection (C-223), in addition to the 3rd thru-lane on Kyrene Road. Major potential impacts include SRP Irrigation on the SWC and an SRP 69kV turning pole on the SEC and NEC. Evaluate up to three (3) non-standard options to reduce impacts, such as shifting the roadway alignments, reducing lane and/or median widths, or not including certain additional auxiliary lanes.
 3. Kyrene Rd & SR 202L – Improvements are proposed in ADOT right-of-way impacting existing limits of Portland Cement Concrete Pavement (PCCP) and ramps. Evaluate up to two (2) non-standard options to reduce impacts, such as shifting the roadway alignments, reducing lane and median widths, or not including certain additional auxiliary lanes.

The alternatives shall be limited to roadway and striping design and will not include drainage, traffic signal, ITS, landscape, water, or sewer design.
- iii. DESIGN CONSULTANT shall review existing drainage reports to determine whether excess capacity exists along the corridor to reduce the originally proposed storm drain system.
- iv. DESIGN CONSULTANT shall analyze alternatives to evaluate the costs and benefits of each alternative related to major utility relocations, City design standards, right-of-way acquisition, overall construction cost differences, and other design factors as determined by the design team.
- v. DESIGN CONSULTANT shall produce exhibits of the alternative layouts showing the roadway and striping design and highlighting major impacts.
- vi. DESIGN CONSULTANT shall produce a pavement condition overview exhibit. The CITY shall provide pavement quality index (PQI) and existing as-built data to show on the exhibit. This data will be supplemented by Task 8.2 Geotechnical Report to incorporate the findings of the field and laboratory analysis. The CITY shall review and provide direction on pavement structural section assumptions for the project estimate.

Task 10.0C: Project Assessment Verification Memorandum

- i. DESIGN CONSULTANT shall produce a memorandum documenting the proposed deviations from the original 2021 Project Assessment for Kyrene Road, including the following anticipated sections:
 - i. Traffic Analysis (Executive Summary, Report as Appendix)
 - ii. Alternative Evaluation and Results (Typical Section, Intersections)
 - iii. Drainage Evaluation (Preliminary)
 - iv. Summary of Additional Scope Items (Utility Impacts, etc.)
 - v. Preliminary Opinion of Probable Cost (Recommended Alternative)

b. Task 10.1: Plans

- i. DESIGN CONSULTANT shall prepare plans for the project in accordance with City Standards.
- ii. DESIGN CONSULTANT shall submit plans in PDF and AutoCAD .DWG format and exports of each plan sheet and reference files and PDF of each plan sheet and PDFs of complete plans set at the 30%, 60%, 95% and 100%/Final submittals. Payment for this task shall be directly correlated with submittal percentage.
- iii. Following each review, DESIGN CONSULTANT shall review the CITY's comments and complete the comment resolution forms. DESIGN CONSULTANT shall provide a matrix that summarizes the comments and indicates whether the comment was incorporated or provides justification for not implementing the change noted in the plan review comments. DESIGN CONSULTANT shall provide the comment matrix to the CITY one week prior to the Comment Resolution Meeting. All comments shall be incorporated unless otherwise authorized by the CITY.
- iv. DESIGN CONSULTANT shall provide project plans to external agencies such as Maricopa County Department of Environmental Services, Arizona Department of Transportation, and Flood Control District of Maricopa County, and upon direction from City to adjacent project consultants and contractors as appropriate to assist with coordination of construction activities.

v. Task 10.1A: Paving Plans

1. DESIGN CONSULTANT shall prepare front end sheets per CITY standards which are listed below:
 - a. Cover Sheet
 - b. General Notes and Legend (CITY and ADOT versions)
 - c. Key Map and Index of Sheets
 - d. Survey Control
 - e. Typical Sections
 - f. Miscellaneous Details
 - g. Overall Paving Limits
2. DESIGN CONSULTANT shall perform work necessary to create Typical Roadway Sections, Geometric Layout and Paving Plan & Profile Sheets using design right-of-way needs for a major arterial (City of Chandler Standard Detail C-204.).
3. DESIGN CONSULTANT shall prepare paving and profile plans at a scale of 1"=20' horizontal and 1"=2' vertical, to include base sheet preparation including survey control, topographic mapping, centerline stationing, curb and gutter, sidewalk, handicap ramps, driveways, turn lanes, intersecting streets, utilities, existing right-of-way, proposed right-of-way, existing utilities, construction notes, etc. Profiles shall show centerline stationing, existing ground, proposed curb and gutter grades, benchmarks and underground utilities.

4. DESIGN CONSULTANT shall evaluate all existing sidewalk in the project limits for compliance with ADA cross-slope and curb ramp requirements. Any sidewalk or ramp that is not in compliance with ADA shall be incorporated into the plans.

vi. Task 10.1B: Drainage Plans

1. DESIGN CONSULTANT shall review the existing drainage reports and as-builts for the adjacent developments. The reports and as-builts shall be provided by the CITY.

2. DESIGN CONSULTANT shall conduct a field visit to verify the existing drainage infrastructure and concepts.

3. DESIGN CONSULTANT shall prepare a drainage analysis to determine the effects of the roadway improvements from this project. DESIGN CONSULTANT shall perform hydrologic calculations per the CITY standards to estimate the additional runoff. The DESIGN CONSULTANT shall determine the need for additional storage capacity within the project limits. It is assumed that a new storm drain will be constructed to capture and convey the pavement runoff. Existing retention basins shall be modified to accommodate the additional pavement runoff. Undeveloped properties shall include temporary retention basins. The DESIGN CONSULTANT shall perform hydraulic calculations for proposed scuppers, catch basins, and storm drain systems. The hydrologic and hydraulic calculations shall meet the CITY criteria.

4. DESIGN CONSULTANT shall prepare a Drainage Report to accompany the drainage design for roadway improvements. The Draft Drainage Report shall be submitted with the 30% Submittal. The Draft Final Drainage Report shall be submitted with the 60% Submittal. The Final Drainage Report shall be submitted with the 95% Submittal. DESIGN CONSULTANT shall incorporate comments received at each submittal.

5. DESIGN CONSULTANT shall prepare drainage plans that include but is not limited to storm drain profiles, retention basin grading plans and drainage details.

vii. Task 10.1C: Traffic signal and traffic signal interconnect plans

1. Traffic Signal Upgrades

a. DESIGN CONSULTANT shall perform a site visit and document to the extent possible the equipment and conditions related to the existing traffic signals, traffic control equipment, etc.

b. DESIGN CONSULTANT shall prepare traffic signal plans for the following locations:

- i. Kyrene Rd and Chandler Blvd
- ii. Kyrene Rd and Gila Springs Blvd
- iii. Kyrene Rd and Frye Rd
- iv. Kyrene Rd and SR 202L

c. Preliminary traffic signal layouts will be prepared and submitted at 30%. Full plan sets will be completed, including removals, new and relocated pole locations at the 60%, 95%, 100%, and Final plan stages. Traffic Signals will be designed in accordance with City of Chandler TDM #5. The Traffic Signal Plans shall be (1" = 20') and consist of the following sheets for each location:

- i. Traffic Signal Removal Sheet
- ii. Traffic Signal Layout Sheet
- iii. Pole Schedule Sheet
- iv. Conductor Schedule Sheet

2. Traffic Signal Interconnect

a. DESIGN CONSULTANT shall design fiber interconnect plans along the project limits along Kyrene Road from SR 202L to Chandler Blvd at a scale of 1" = 40' (Double Stacked). Plan sheets shall show conduit runs and pull boxes and connection to signalized intersections within the project limits. Interconnect plans will be designed with 4-2" conduit, 144 SMFO, and in accordance with City of Chandler Standards.

b. DESIGN CONSULTANT shall prepare preliminary design to be illustrated on a roll plot for coordination with City Staff at 30%. Full plan set will be completed, including removals, relocated pull boxes, and traffic signal connections at the 60%, 95%, 100% and Final plan stages.

3. Audit of Existing Fiber Conduit System Conditions:

a. DESIGN CONSULTANT shall conduct an audit of the existing City owned fiber conduit system infrastructure within the project limits. The fiber conduit system items include pull boxes, splice vaults, manholes, conduits, innerducts, and associated pathways into designated buildings, field cabinets and poles. The DESIGN CONSULTANT's field audit shall include the following:

- i. Field audit each pull box, manhole, and splice vault location identified on the as-built documents and observed in the field, and visual check of existing pull boxes and any visible conduit for dirt, concrete, or debris.
- ii. Develop a "fold-flat" type detail (also known as butterfly detail) of the existing pull box, manhole, and splice vault locations showing the following:
 - iii. All four sides of the box with the associated conduits and innerducts entering the box from each side.
 - iv. All existing cables, pull rope or mule tape, and locator (tracer) wire entering the box from each associated conduit and innerduct.
 - v. Cables: Record the size, manufacturer name and manufactured date of the cable, as observed on the cable sheathing. Also include any information on labels attached to the cable(s).
 - vi. All splice closures within the box, noting the type and size, which cables from which conduits/ducts are entering the splice case, the number of available cable entry points, and any visible damage. Do not open the splice case.
 - vii. Identify the "Logo" marking used on the pull point lid, such as "City Traffic", "Communications", etc.
 - viii. Identify the GPS coordinates of the box location, and include the associated station and offset relative in the plan set, for the OSP database.
 - ix. Provide photos of any visible damage.

b. DESIGN CONSULTANT shall prepare field Audit Notes (including sketched "fold-flat" type details, and notes on as-built plans, including raw field audit notes and folders), and photos of visible damage.

c. DESIGN CONSULTANT shall incorporate audit findings and any recommended improvements into the interconnect plans including notes to clean out any visible dirt, concrete, or debris discovered in the field audit.

viii. Task 10.1D: Street Light Plans

1. DESIGN CONSULTANT shall design street lighting along Kyrene Road within the project limits in accordance with applicable City of Chandler Streetlight Technical Design Manual (TDM) #6.

2. DESIGN CONSULTANT shall perform a site visit and document to the extent possible the equipment and conditions related to the existing street lighting, the existing lighting control equipment, existing underground conduit and conductor routes.

3. DESIGN CONSULTANT shall coordinate lighting design with Salt River Project (SRP) to define a power source to serve the lighting system.

4. DESIGN CONSULTANT shall provide a computer generated point-to-point foot-candle grid for from the first streetlight to the last proposed streetlight, and submit documents to CITY for approval as exhibits along with the 60% and 95% submittals.

It is assumed that the street lighting shall be based on City of Chandler 2025 illumination standards utilizing LED light fixtures.

5. DESIGN CONSULTANT shall prepare street lighting plans for approximately 4,500 feet as necessary, including new and relocated pole locations at the 30%, 65%, 95%, 100%, and final plan stage. The street light design shall match the existing streetlights. The first existing streetlight on each side of the roadway beyond the limit of the paving shall be shown on the plans. Existing street lights within the project limits that are to remain shall be replaced with LED fixtures. The Lighting Plans shall be (1"=40'), and consist of the following:

- a. Street lighting general notes and key map
- b. Street lighting plans showing pole locations with station and offset

6. DESIGN CONSULTANT shall reference the TDM #6 standard details and drawings for the following:

- a. Pole Assembly Detail (Pole, foundation, mast arm)
- b. Junction Box detail
- c. Trench detail
- d. Connection details

7. SRP shall be responsible for providing detail drawings for the electrical details (Control center, wiring schematic, and cable schedule). These items on drawings prepared by SRP shall be accounted for in project specifications and engineer's estimate.

ix. Task 10.1E: Striping and Signing Plans

1. DESIGN CONSULTANT shall develop preliminary traffic signing and striping plans for this project at the 30% plan stage. DESIGN CONSULTANT shall finalize the traffic signing and striping plans at the 60% plan stage. The Signing and Striping Design Plans shall be produced at 1"= 40' scale and shall include the following sheets:

- a. General Striping Notes sheet (including a striping quantities)
- b. General Signing Summary, Notes, and Index
- c. Striping and Signing plan sheets

2. Sub-consultant CA Group shall complete all services described in Task 10.1E above. DESIGN CONSULTANT shall coordinate all work completed by sub-consultant.

x. Task 10.1F: Landscape and Irrigation Plans

1. DESIGN CONSULTANT shall Inventory existing trees (12" diameter and greater), located via GPS survey and catalogue to determine if they are to remain in place or removed. DESIGN CONSULTANT shall identify the tree species, record the caliper, ascertain the general health, and record the viability for survival given construction activities. Limits of inventory shall be the east and west sides of Kyrene from the San Tan Freeway Loop 202 interchange to the northern side of the Chandler Business center, the northern on & off ramps at the San Tan Freeway Loop 202 interchange, and the north and south sides of Chandler Blvd from the western side of the Chandler Business center to the Eastern side of Kyrene crossings.

2. DESIGN CONSULTANT shall review existing irrigation water meters, valves, mainline, controllers, and other major irrigation infrastructure locations to determine

potential for salvage. Locations shall be derived from as-built and design plans provided by the CITY combined with survey and existing conditions observation. DESIGN CONSULTANT shall overlay the existing irrigation location with improvement plans.

3. DESIGN CONSULTANT shall coordinate with the CITY to determine the desired types of plant material, inert material, and irrigation equipment. DESIGN CONSULTANT shall coordinate with the CITY on the identification of areas within the project area to receive landscape and irrigation as well as existing landscape and irrigation to be protected in place.

4. DESIGN CONSULTANT shall prepare Landscape Plans. The plans shall include the following:

a. 60% plans - location and species of proposed new trees and shrubs and existing trees to remain

b. 95% plans - plant schedule, plant quantities, landscape notes, and CITY standard landscape details

5. DESIGN CONSULTANT shall coordinate with private entities as necessary for matching or maintaining existing landscaping and ground cover.

6. DESIGN CONSULTANT shall prepare Irrigation Plans. The plans shall include the following:

a. 60% plans - locations of existing infrastructure to remain in place and new locations of laterals, water meter(s), mainline, backflow preventer(s), and valves

b. 95% plans - irrigation quantities, irrigation emitter schedule, irrigation notes, and CITY of Chandler standard irrigation details shall be shown

7. DESIGN CONSULTANT shall coordinate with private entities as necessary for new connections and maintenance of existing irrigation systems. DESIGN CONSULTANT shall prepare water meter applications, when applicable.

8. DESIGN CONSULTANT shall show the water taps for irrigation equipment on the utility plans and roadway plans, as appropriate. DESIGN CONSULTANT shall provide the complete design and all necessary details for these water taps and power for the irrigation controllers.

9. Up to three (3) coordination meetings will be attended by the project Landscape Architect. Meetings can be progress meetings, specific discipline meetings, or meetings with area stakeholders.

10. Bioassay testing, archeology, soil fertility, and other tests to determine plant viability in existing conditions are not considered part of this scope of work.

xi. Task 10.1G: Erosion and Sediment Control Plans

1. DESIGN CONSULTANT shall develop Erosion and Sediment Control Plans (ESCPs) that may be utilized by a contractor during construction as Storm Water Pollution and Prevention Plans (SWPPP), as required on all projects that have the potential to impact any adjacent drainage system, under the provisions of section 402(p) of the Clean Water Act (CWA) and regulations 40 CFR 121, to secure a cost for the Arizona Pollutant Discharge Elimination System (AZPDES) permit and to ensure that the contractor is held responsible for this effort.

2. ESCPs shall include cover sheet and index sheet in conformance with City requirements, erosion control details and erosion control plans in conformance with Arizona Department of Environmental Quality (ADEQ) and Environmental Protection Agency (EPA) requirements. Plans shall be submitted at the 95% plan submittal stage.

xii. Task 10.1H: Water, Sanitary Sewer, and Reclaimed Water Plans

1. DESIGN CONSULTANT will provide design services for the replacement of approximately 1,900 linear feet of existing dual 12-inch asbestos concrete pipe (ACP) waterlines (3,800 linear feet total) within the proposed roadway improvements along Chandler Boulevard and 750 linear feet of single 12-inch ACP waterline within the proposed roadway improvements along Kyrene Road.

2. DESIGN CONSULTANT will evaluate horizontal and vertical alignment alternatives. A roll plot will be prepared for the purpose of defining the waterline replacement limits, horizontal alignment, conceptual profile, identifying existing water valves to be used for isolation, locations of lateral tie-ins, locations of water main tie-ins, potable water meter relocations, potable water back flow preventer (BFP) relocations, new potable water BFPs, fire hydrant relocations, and new fire hydrant locations. This roll plot will be provided to the City for review and comment.

3. DESIGN CONSULTANT will prepare waterline plan and profile construction documents. The following sheets are anticipated to be included:

- a. Waterline plan and profile sheets (12 sheets, 1" = 20' scale).
- b. Lateral plan and profiles sheets (6 sheets, 1" = 20' scale).
- c. Detail sheets (3 sheets).

4. DESIGN CONSULTANT will prepare construction documents and specifications for approximately 13 existing sewer manholes that have been identified by the City for replacement or rehabilitation. The following sheets are anticipated to be included:

- a. Manhole removal and replacement plan sheet (2 sheet)
- b. Manhole replacement/rehabilitation detail sheet (2 sheets)

5. DESIGN CONSULTANT will prepare and submit the Maricopa County Environmental Services (MCESD) permit applications including the Approval to Construct (ATC) and Approval of Construction (AOC) applications, applicable design reports, and review fees (standard or expedited review at City discretion).

c. Task 10.2: Specifications

- i. Technical Specifications shall be in accordance with City of Chandler Standard Specifications, MAG Standard Specifications, and Arizona Department of Transportation (ADOT) Standard Specifications, & ADOT (stored) standard special provisions. DESIGN CONSULTANT shall create technical specifications for all items not adequately covered by these standard specifications.
- ii. Word and PDF format of Specifications shall be provided with each submittal.

d. Task 10.3 Cost Estimates

- i. DESIGN CONSULTANT shall prepare cost estimates for all pay items per the standard specifications and special provisions, except that volumetric measurements shall not be used for pay items. DESIGN CONSULTANT shall determine earthwork quantities.
- ii. Excel and PDF format of Estimates shall be provided with each submittal.

11. DESIGN SUBMITTALS

DESIGN CONSULTANT will deliver submittals via electronic PDF unless requested otherwise by CITY.

a. Task 11.1: 15% Submittal (NOT APPLICABLE)

b. Task 11.2: 30% Submittal

i. DESIGN CONSULTANT shall provide the following at the **30% submittal** to the City:

1. City Plan review and construction permit applications
2. 30% preliminary plans including:
 - a. Cover sheet
 - b. Typical Roadway Sections
 - c. Geometric Configurations
 - d. Paving Plan and Profiles
 - e. Drainage Plan and Profiles
 - f. Utility (Water, Sanitary Sewer, Reclaimed) Plan and Profile
 - g. Traffic Signal and Traffic Signal Inner Connect Layout
 - h. Signing and Striping Plans and Details
 - i. Street Light Plans and Details
3. 30% construction cost estimate
4. Draft/preliminary drainage report
5. Sealed geotechnical report
6. Draft Right-of-way strip map with legal descriptions
7. Draft utility strip map with legal descriptions

c. Task 11.3: 60% Submittal

i. DESIGN CONSULTANT shall provide the following at the **60% submittal** to the CITY:

1. City Plan review and construction permit applications
2. 30% submittal redlines and comments
3. 60% plans including:
 - a. Cover sheet
 - b. Index, Key Map, and General Notes
 - c. Typical Roadway Sections
 - d. Geometric Configurations
 - e. Paving Plan and Profiles
 - f. Drainage Plan and Profiles
 - g. Intersection Plans and Details
 - h. Utility (Water, Sanitary Sewer, Reclaimed) Plan and Profile
 - i. Traffic Signal and Traffic Signal Innerconnect Plans and Details
 - j. Signing and Striping Plans and Details
 - k. Street Light Plans and Details
 - l. Erosion and Sediment Control Plans
 - m. Special Details
4. 60% technical specifications
5. 60% construction cost estimate
6. Draft/preliminary drainage report

7. "Testhole Data Summary Sheet"
8. Final right-of-way strip map with new or revised legal descriptions
9. Final utility strip map with new or revised legal descriptions
10. Final/sealed Phase I ESA

d. Task 11.4: 95% Submittal

- i. DESIGN CONSULTANT shall provide the following at **95% submittal**:
 1. City Plan review and construction permit applications
 2. 60% submittal redlines and comments
 3. 95% plans including:
 - a. Cover sheet
 - b. Index, Key Map, and General Notes
 - c. Typical Roadway Sections
 - d. Geometric Configurations
 - e. Paving Plan and Profiles
 - f. Drainage Plan and Profiles
 - g. Intersection Plans and Details
 - h. Utility (Water, Sanitary Sewer, Reclaimed) Plan and Profile
 - i. Traffic Signal and Traffic Signal Innerconnect Plans and Details
 - j. Signing and Striping Plans and Details
 - k. Street Light Plans and Details
 - l. Erosion and Sediment Control Plans
 - m. Special Details
 4. Final sealed drainage report
 5. 95% technical special
 6. 95% construction cost estimate
 7. Right-of-way strip map with new or revised legal descriptions
 8. Utility strip map with new or revised legal descriptions

e. Task 11.5: 100% Submittal

- i. Upon acquisition of all right-of-way and easements necessary for construction, DESIGN CONSULTANT shall provide the following with the **100% submittal**:
 1. City plan review and construction permit applications
 2. 95% submittal redlines and comments
 3. 100% construction plans including:
 - a. Cover sheet
 - b. Index, Key Map, and General Notes
 - c. Typical Roadway Sections
 - d. Geometric Configurations
 - e. Paving Plan and Profiles
 - f. Drainage Plan and Profiles
 - g. Intersection Plans and Details
 - h. Utility (Water, Sanitary Sewer, Reclaimed) Plan and Profile
 - i. Traffic Signal and Traffic Signal Innerconnect Plans and Details
 - j. Signing and Striping Plans and Details
 - k. Street Light Plans and Details

- 1. Erosion and Sediment Control Plans
- m. Special Details
- 4. Final specifications
- 5. Final construction cost estimate and bid schedule
- 6. Right-of-way strip map with new or revised legal descriptions
- 7. Utility strip map with new or revised legal descriptions

f. Task 11.6: Final Submittal

- i. Upon receipt of response from utility companies, DESIGN CONSULTANT shall provide following as the Final submittal:
 - 1. Construction plans including any private utility plans such as Salt River Project (SRP) plans to be performed by City’s contractor
 - 2. Final specifications
 - 3. Final construction cost estimate and bid schedule
 - 4. Utility Clearance Letter per Task 2.5
- ii. DESIGN CONSULTANT shall be responsible for delivering to the CITY a complete set of constructible plans and shall be responsible for constructability of such plans, including, but not limited to, completion of right-of-way documentation acquiring all necessary easements, and completion of utility relocation design. DESIGN CONSULTANT shall be responsible for preparing and obtaining written approval of any design exceptions and/or variances to Design Standards.

g. Task 11.7: ADOT Submittals (Kyrene Road and SR 202L)

- i. DESIGN CONSULTANT will submit extracted plan sheets from the overall set for ADOT preliminary reviews (red-letter) at each submittal and final encroachment permit support. This includes compiling the traffic study, environmental memo, and applicable sheets for ADOT review according to the Encroachment Permit Pre-Application Checklist.

12. ASSUMPTION, CLARIFICATIONS, AND EXCLUSIONS

- a. Bioassay testing, archeology, soil fertility, and other tests to determine existing plant viability is excluded. Determination of existing plant viability to be based on professional opinions with considerations of typical construction activity impacts.
- b. Application fees for City reviews and permits shall be paid by City.
- c. It has been assumed that all agencies have a 20-working day review period.
- d. Application fees for other agencies other than the City shall be paid utilizing the Direct Expense Allowance.
- e. Post Design services, construction management or observation, inspection, or participation in construction meetings is excluded.
- f. Reimbursable allowance is to be used for printing, mileage and other approved reimbursable expenses. Expenses will be reimbursed at cost.
- g. Owner’s Allowance shall only be used with prior written approval from the City representative.

EXHIBIT "B"
COMPENSATION AND FEES

Exhibit B - Consultant Compensation, Fees and Hours
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

TASK DESCRIPTION	SUBTOTAL	SR. PM/Prof II	Sr. Prof.	Prof.	Analyst	Designer	Admin.	Total Hours
		Chris Woolery Michael Grandy Zach Schmidt Anne DeBoard Michael Colombo	Ryan Marks Julian Pasquetra Lina Bearat Joseph Cuffari Ryan Earwood	Julia Hoath Dan Beckel Sarah Montgomery Jackson Modrak Bob Robinson	Brock Bomar Evan Omsa Emma Legg Paige Helffmatie Richard Gervasio	Isaac Witherspoon Logan Logg Zac Scharnow	Nakola Newton Cheryl Ohwa	
TASK 1 - DATA COLLECTION	\$ 13,280	-	4	12	24	8	40	88
As-Built and Past Report Research	\$ 8,080		4	8	16		24	52
Utility Data Collection - Collect and Log As-Built	\$ 2,600			2	4	4	8	18
Review, PDF, and Log As-Built/Past Reports	\$ 2,600			2	4	4	8	18
TASK 2 - PUBLIC UTILITY COORDINATION	\$ 59,180	3	86	50	123	12	22	296
TASK 2.1 - UTILITY COORDINATION	\$ 5,560		4	8	16			28
Develop and Maintain Utility Inventory and Conflict Log	\$ 5,560		4	8	16			28
General Utility Coordination Meetings - up to six (6)	\$ 3,840		6	6	6			18
General Utility Coordination Meeting Notes	\$ 1,830		3		6			9
SRP Coordination Meetings - up to twenty-four (24)	\$ 15,360		24	24	24			72
SRP Coordination Meeting Notes	\$ 7,320		12		24			36
Individual Utility Meetings - up to twelve (12)	\$ 5,160		12		12			24
Individual Utility Meeting Notes	\$ 3,660		6		12			18
Review Prior Rights Documentation (Up to 3 reviews)	\$ 2,370	3	6					9
Utility Notification Letters (30%, 60%, 95%, 100%, Final)	\$ 2,200		1		5		10	16
Prepare CADD files to Transmit to Utilities	\$ 4,200				6	12	12	30
Field Review	\$ 7,680		12	12	12			36
TASK 2.2 - UTILITY LOCATING & VERIFICATION	\$ 72,800	-	80	20	208	72	-	380
Utility Locating Field Marking (SUE Level B)	\$ 46,960		64		172			236
Prepare Utility Base File (SUE Level C)	\$ 16,280		8	12	24	48		92
Pothole Coordination - Develop Pothole List (SUE Level A)	\$ 9,560		8	8	12	24		52
See Subconsultant - Utility Potholing - AIMS	\$ -							
TASK 2.4 - UTILITY RELOCATION DESIGN COORDINATION	\$ 46,940	4	34	56	128	16	-	238
Utility (Non-SRP) Relocation Concept Development	\$ 5,560		4	8	16			28
Review Utility (Non-SRP) Relocation Plans (up to 16 Reviews)	\$ 10,120		4	16	32			52
SRP Relocation Design Reviews and Coordination (24 mon @ 2hr/mo)	\$ 10,000	4	8	12	24			48
Conceptual 15% Layout for SRP 12kV Mainline Alignment and Cabinet Locations	\$ 8,000		8	8	24			40
Preliminary 30% Layout for SRP 12kV, Street Lighting, and Power Service	\$ 8,000		8	8	24			40
Prepare Base Map for Utility Relocations	\$ 5,260		2	4	8	16		30
TASK 2.5 - UTILITY CLEARANCE & SERVICE REQUEST LETTERS	\$ 9,440	-	8	20	4	-	24	56
Prepare Utility Clearance Letters	\$ 2,820			4	4		12	20
Power Service Request Letters	\$ 3,940		4	8			12	24
Coordinate Water and Power Addresses	\$ 2,680		4	8				12
TASK 3 - PROGRESS MEETINGS	\$ 69,500	14	76	112	104	-	40	346
Progress Meetings (24 Mtgs)(Includes Comment Resolution Mtgs)	\$ 21,360	12	24	36	24			96
Bi-Weekly Phone Call Update Meetings (48 30-minute Mtgs)	\$ 11,040		24	24				48
ADOT Meetings (4 Mtgs)	\$ 2,420	2	4	4				10
Prepare Meeting Agenda/Exhibits/Handouts	\$ 3,720			4	16			20
Meeting Notes	\$ 9,840		12	12	24			48
Summary of Comments for Comment Resolution Mtgs	\$ 10,600		4	12	16		40	72
General ADOT Coordination	\$ 2,680		4	8				12
Maintain Action Item Log	\$ 7,840		4	12	24			40
TASK 4 - PUBLIC & STAKEHOLDER MEETINGS	\$ 43,040	24	38	58	80	-	-	200
Project Advertising and Engagement Materials	\$ 5,560		4	8	16			28
Virtual Engagement and Recorded Presentation	\$ 5,420	2	4	8	12			26
Public Meeting Attendance (up to 2 Mtgs)	\$ 3,720	4	4	4	4			16
Individual Stakeholder Meeting Attendance (up to 4 Mtgs)	\$ 6,000	8	8	8				24
Attend Transportation Commission/Council Meetings (up to 3 Mtgs)	\$ 4,500		6	6				18
Develop Presentation	\$ 4,700	2	4	8	8			22
Public Engagement Summary Reports	\$ 13,140	2	8	16	40			66
TASK 5 - PROJECT MANAGEMENT	\$ 106,480	132	172	48	-	-	144	496
Monthly Progress Reports	\$ 8,520		24				24	48
Budget Monitoring/Setup/Insurance/Invoicing	\$ 10,080			24				72
Contract Management (24 Months @2 hrs/Month)	\$ 7,520	4	12				32	48
Develop/Maintain Project Design Schedule	\$ 1,580	2	4					6
Design Quality Control Plan	\$ 1,580	2	4					6
QA/QC	\$ 64,800	120	120					240
Manage Sub-Consultants	\$ 6,520	4	8	16				28
Project Documentation/Email/Document Filing (24 Months @ 2 hrs/Month)	\$ 5,880			8			40	48
TASK 6 - DESIGN SURVEY	\$ 15,680	-	8	16	16	48	-	88
Survey Coordination/Requests	\$ 2,680		4	8				12
Review and Field Verify Topo Survey CAD Files	\$ 13,000		4	8	16	48		76
See Subconsultant - Control & Topo Survey - S and F Land Services	\$ -							

Exhibit B - Consultant Compensation, Fees and Hours
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

	SR. PM/Prof II	Sr. Prof.	Prof.	Analyst	Designer	Admin.		
	Chris Woolery Michael Graney Zach Schmidt Anne DeBoard Michael Colombo	Ryan Marks Julian Pezqueta Lina Bearat Joseph Cuffari Ryan Earwood	Julia Hoath Dan Beckel Sarah Montgomery Jackson Modrak Bob Robinson	Brock Bomar Evan Omer Emma Legg Paige Helffrath Richard Gervasio	Isaac Witherspoon Logan Logg Zac Scharnow	Nakola Newton Cheryl Ohms		
TASK DESCRIPTION	SUBTOTAL	\$ 290.00	\$ 250.00	\$ 210.00	\$ 180.00	\$ 155.00	\$ 105.00	Total Hours
TASK 7 - RIGHT-OF-WAY COORDINATION	\$ 137,160	-	180	36	408	72	-	696
Right-of-Way Mapping and Strip Map	\$ 8,840		8	12	24			44
Coordinate Title Reports/Legals/Exhibits	\$ 1,440				8			8
Prepare Legal Descriptions/Exhibits (up to 75 L&Es)	\$ 101,200		160		340			500
Individual Property Exhibits (Detailed Version) (up to 24 Exhibits)	\$ 17,120		8	16	24	48		96
Individual Property Exhibits (Generic Version) (up to 24 Exhibits)	\$ 8,560		4	8	12	24		48
See Subconsultant - Right-of-Way and Easement Staking - S and F Land Services	\$ -							
TASK 8 - GEOTECHNICAL	\$ 2,680	-	4	8	-	-	-	12
Coordinate Geotechnical Boring Plan	\$ 2,680		4	8				12
See Subconsultant - Geotechnical Engineering - Ninyo & Moore	\$ -							
TASK 9 - ENVIRONMENTAL SERVICES	\$ 37,500	18	12	16	144	-	-	190
Biological Resources Memorandum	\$ 6,060	6			24			30
Phase I ESA (for New ROW/easement/TCE)	\$ 8,940	6			40			46
Phase I ESA Update (for New ROW/easement/TCE)	\$ 8,220	6			36			42
Cultural Resources	\$ 11,120		8	16	32			56
Environmental Compliance Memo (for ADOT Encroachment Permit)	\$ 3,160		4		12			16
TASK 10 - PLANS, SPECIFICATIONS, & ESTIMATES								
TASK 10.0 - PRELIMINARY DESIGN								
TASK 10.0A - TRAFFIC ANALYSIS	\$ 65,015	38	11	82	28	187	-	346
Review and Summary of Traffic Count Data	\$ 1,120	1		1		4		6
MAG Travel Demand Model Volumes	\$ 3,370	1		3	5	10		19
City Files: Historical Traffic Count Data, Synchro Model, Signal Timing, Future Developments	\$ 1,430	1		1		6		8
Existing Conditions - Synchro Analysis/Identification of Deficiencies	\$ 6,260	2		8	5	20		35
Future Conditions - Future Traffic Volumes	\$ 3,180	2		5		10		17
Future Conditions - Synchro Analysis/Identification of Deficiencies	\$ 6,360	4		10		20		34
Synchro Analysis for 3 Alternatives/Recommended Improvements	\$ 13,520	6	5	15	10	36		72
Crash Analysis	\$ 7,860	6		8	4	24		42
Signal Warrant	\$ 1,485	1		2		5		8
Access Control Management	\$ 3,680	2	2	5		10		19
Draft Traffic Report	\$ 11,190	8	2	16	2	30		58
Final Traffic Report	\$ 5,560	4	2	8	2	12		28
TASK 10.0B - ALTERNATIVE DEVELOPMENT AND EVALUATION	\$ 60,000	12	26	58	100	128	-	324
Preliminary Layout Based on City Standard Details, Symmetrical	\$ 10,760			8	16	40		64
Kyrene Road Typical Section Alternatives (up to 2 alternatives)	\$ 9,280		4	8	16	24		52
Kyrene Rd/Chandler Blvd Intersection Alternative Layouts (up to 3 alternatives)	\$ 11,760		4	8	16	40		68
Kyrene Rd/SR 202L Intersection Alternative Layouts (up to 2 alternatives)	\$ 5,260		2	4	8	16		30
Preliminary Drainage Evaluation and Alternatives (Exhibit)	\$ 8,560	4	8	12	16			40
Preliminary Cost Estimate and Pro/Con Evaluation	\$ 12,000	8	8	16	24			56
Pavement Condition Exhibit (Pavement Quality Index Analysis)	\$ 2,380			2	4	8		14
TASK 10.0C - PROJECT ASSESSMENT VERIFICATION MEMORANDUM	\$ 18,860	6	12	24	16	40	-	98
Project Assessment Verification Memorandum (Compile, Summarize, & Review)	\$ 3,840	4	4	8				16
Summary of Additional Scope Items	\$ 2,680		4	8				12
Preliminary Opinion of Probable Cost (Recommended Alternative)	\$ 12,340	2	4	8	16	40		70
Task 10.1 - FINAL DESIGN								
TASK 10.1A - PAVING PLANS	\$ 317,660	39	130	254	500	842	-	1,765
Cover Sheet, Approvals, Vicinity Map (1 Sht)	\$ 2,570		2	2	4	6		14
General Notes & Legend (2 Shts)	\$ 4,400			4	6	16		26
General Notes (ADOT) (2 Shts)	\$ 4,400			4	6	16		26
Key Map & Index of Sheets (1 Sht)	\$ 2,270		1	2	2	8		13
Survey Control/Geometric Sheet (1 Sht)	\$ 2,630		1	2	4	8		15
Typical Sections, Pvmnt Sections, Pavement Legend (2 Shts)	\$ 5,840	2	2	4	8	16		32
Miscellaneous Details Sheet (2 Shts)	\$ 5,260		2	4	8	16		30
Overall Paving Limits (1 Sht)	\$ 2,880		2	2	4	8		16
Kyrene Rd Paving Plan Shts (Incl. Intersections)(12 Shts) (1"=20' Scale)	\$ 89,760	24	48	72	144	192		480
Kyrene Rd Paving Profile Shts (Incl. Intersections)(12 Shts)(1"=20' Scale)	\$ 63,120		24	48	96	192		360
Chandler Blvd Paving Plan Shts (4 Shts)(1"=20' Scale)	\$ 29,920	8	16	24	48	64		160
Chandler Blvd Paving Profile Shts (4 Shts)(1"=20' Scale)	\$ 21,040		8	16	32	64		120
SR202L Ramp Paving Plan Shts (2 Shts)(1"=20' Scale)	\$ 14,960	4	8	12	24	32		80
SR202L Ramp Paving Profile Shts (2 Shts)(1"=20' Scale)	\$ 10,520		4	8	16	32		60
Sidewalk Ramp and Driveway Detail Sheets (8 Shts)	\$ 28,080		8	24	48	80		160
SR 202L Ramp Jointing and Staking Shts (2 Shts)(1"=20' Scale)	\$ 7,020		2	6	12	20		40
Modeling and Earthwork	\$ 18,420			16	32	60		108
Intersection Staking Sheet (Kyrene Rd and Chandler Blvd) (1 Sht)	\$ 4,570	1	2	4	6	12		25

Exhibit B - Consultant Compensation, Fees and Hours
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

	SR. PM/Prof II	Sr. Prof.	Prof.	Analyst	Designer	Admin.		
	Chris Woolery Michael Graney Zach Schmidt Anne DeBoard Michael Colombo	Ryan Marks Julian Pezqueta Lina Bearat Joseph Cuffari Ryan Earwood	Julia Hoath Dan Beckel Sarah Montgomery Jackson Modrak Bob Robinson	Brook Bomar Evan Oms Emma Legg Paige Helffmatie Richard Gervasio	Isaac Witherspoon Logan Logg Zac Scharnow	Nakola Newton Cheryl Ghiva		
TASK DESCRIPTION	SUBTOTAL	\$ 290.00	\$ 250.00	\$ 210.00	\$ 180.00	\$ 155.00	\$ 105.00	Total Hours
TASK 10.1B - DRAINAGE PLANS	\$ 110,665	46	-	125	267	139	14	591
Evaluate Existing Drainage Reports/Plans	\$ 2,720	1		3	10			14
Field Visit	\$ 2,340			6	6			12
Pavement Hydrology	\$ 3,350	1		6	10			17
Verify Existing Retention Basin Capacities	\$ 3,140	1		5	10			16
Catch Basin/Scupper/Storm Drain Hydraulics	\$ 3,960			6	15			21
Retention Basin Design and Coordination	\$ 3,430	2		5	10			17
Kyrene Rd Drainage Plan and Profile Shts (12 Shts) (1"=20' Scale)	\$ 55,400	25		60	120	90		295
Connector Pipe Profiles Sheet (2 Sht)	\$ 9,475	5		10	20	15		50
Drainage Details (1 Sht)	\$ 3,340	1		2	6	10		19
Draft Drainage Report	\$ 8,200	4		8	20	10	2	44
Draft Final Drainage Report	\$ 6,170	2		6	16	8	2	34
Respond to Comments	\$ 4,420	2		4	12		8	26
Final Drainage Report	\$ 4,720	2		4	12	6	2	26
TASK 10.1C - TRAFFIC SIGNAL/INTERCONNECT PLANS & FIELD AUDIT	\$ 138,660	21	78	150	204	288	2	743
Signal & Interconnect Field Review	\$ 3,620		2	8	8			18
Kyrene Road/SR 202L Traffic Signal Plans (4 Shts)	\$ 22,300	4	12	24	28	52		120
Kyrene Road/Frye Road Traffic Signal Plans (4 Shts)	\$ 22,300	4	12	24	28	52		120
Kyrene Road/Gila Springs Boulevard Traffic Signal Plans (4 Shts)	\$ 22,300	4	12	24	28	52		120
Kyrene Road/Chandler Boulevard Traffic Signal Plans (4 Shts)	\$ 22,300	4	12	24	28	52		120
Interconnect Roll Plot and Coordination with City Staff	\$ 3,860		2	4	14			20
Traffic Signal Interconnect Plans (Kyrene Rd - SR202L to Chandler Blvd)(4 Shts) (Double Stacked)(1"=40' Scale)	\$ 28,960	4	16	20	40	80		160
Fiber Field Audit	\$ 5,150		5	10	10			25
Audit Notes, Fold-Flat Details, As-built Markups & Photo Delivery	\$ 7,870	1	5	12	20		2	40
TASK 10.1D - STREET LIGHT PLANS	\$ 47,890	10	29	41	113	54	4	251
Existing Street Light Field Review	\$ 2,340		4		4			12
Photometric Analysis (60%, 95%)(Double Stacked)(3 Shts)(1"=40' Scale)	\$ 13,080	2	4	10	35	20		71
Lighting General Notes	\$ 2,150		2		4	6		12
Lighting Plans (Double Stacked)(4 Shts)(1"=40' Scale)	\$ 23,200	8	12	16	60	24		120
SRP Coordination	\$ 7,120		7	15	10		4	36
TASK 10.1E - STRIPING & SIGNING PLANS	\$ 7,840	-	4	12	24	-	-	40
Signing and Marking Field Review and Inventory	\$ 2,280			4	8			12
Design Coordination and Review	\$ 5,560		4	8	16			28
See Subconsultant - Striping & Signing Design - CA Group	\$ -							
TASK 10.1F - LANDSCAPE & IRRIGATION PLANS	\$ 141,340	15	48	100	204	434	-	801
Site Inventory: Existing Trees and Irrigation Field Work	\$ 6,700				20	20		40
Kyrene Rd Plant and Irrigation Inventory Plan Shts (Incl. Intersections) (12 Shts) (1" = 20')	\$ 15,580		3	8	30	50		91
Chandler Blvd Plant and Irrigation Inventory Plan Shts (4 Shts)(1"=20' Scale)	\$ 5,160		1	2	6	22		31
SR202L Ramp Plant and Irrigation Inventory Plan Shts (2 Shts)(1"=20' Scale)	\$ 2,580		1	2	2	10		15
ST2405 Turf-to-Xeriscape Plant and Irrigation Inventory Plan Shts (2 Shts)(1"=20' Scale)	\$ 2,580		1	2	2	10		15
Kyrene Rd & Chandler Blvd Plant Inventory Summary Sheets (6 Shts)	\$ 9,210			8	16	30		54
Landscape General Notes and Materials Schedule (1 Sht)	\$ 2,630		1	2	4	8		15
Kyrene Rd Landscape Plan Shts (Incl. Intersections) (12 Shts) (1" = 20')	\$ 29,730	4	12	24	40	86		166
Chandler Blvd Landscape Plan Shts (4 Shts)(1"=20' Scale)	\$ 9,670	1	4	6	12	32		55
SR202L Ramp Landscape Plan Shts (2 Shts)(1"=20' Scale)	\$ 4,730	1	1	3	6	16		27
Irrigation General Notes and Materials Schedule (1 Sht)	\$ 2,630		1	2	4	8		15
Kyrene Rd Irrigation Plan Shts (Incl. Intersections) (12 Shts) (1" = 20')	\$ 29,730	4	12	24	40	86		166
Chandler Blvd Irrigation Plan Shts (4 Shts)(1"=20' Scale)	\$ 9,670	1	4	6	12	32		55
SR202L Ramp Irrigation Plan Shts (2 Shts)(1"=20' Scale)	\$ 4,730	1	1	3	6	16		27
Planting Details (2 Sht)	\$ 1,190			1	2	4		7
Irrigation Details (2 Shts)	\$ 1,190			1	2	4		7
Landscape and Irrigation Coordination Meetings (up to 3 Mtgs)	\$ 3,630	3	6	6				15
TASK 10.1G - EROSION & SEDIMENT CONTROL PLANS	\$ 27,180	-	7	22	45	82	-	156
Erosion Control Cover Sheet (1 Sht)	\$ 1,035			1	2	3		6
Erosion and Sediment Control Plan Index (1 Sht)	\$ 2,015			1	4	7		12
Erosion Control Details (8 Shts)	\$ 8,280			8	16	24		48
Kyrene Rd Erosion Control Plans (6 Shts)(1" = 40') (Double Stacked)	\$ 10,520		4	8	16	32		60
Chandler Blvd Erosion Control Plans (2 Shts)(1" = 40') (Double Stacked)	\$ 3,500		2	2	4	12		20
SR202L Ramp Erosion Control Plans (1 Shts)(1" = 40') (Double Stacked)	\$ 1,830		1	2	3	4		10
TASK 10.1H - WATER, SANITARY SEWER & RECLAIMED WATER PLANS	\$ 205,057	80	168	248	337	175	-	1008
Evaluate Horizontal and Vertical Alignment Alternatives	\$ 18,160	4	10	20	40	20		94
Alternative Roll Plot Exhibits	\$ 14,300	4	8	16	26	20		74
Chandler Blvd Waterline Plan and Profile Sheets (10 Shts) (1" = 20' Scale)	\$ 63,067	30	60	80	97	33		300
Kyrene Road Waterline Plan and Profile Sheets (2 Shts) (1" = 20' Scale)	\$ 12,580	6	12	16	18	8		60
Waterline Lateral Plan and Profile Sheets (6 Shts) (1" = 20' Scale)	\$ 41,460	12	30	48	72	48		210
Waterline Details Sheets (3 Shts)	\$ 18,450	8	16	20	32	14		90
Prepare ATC Permit Application	\$ 2,280			4	8			12
Prepare Water Report (No Modeling Included)	\$ 2,280			4	8			12
Address MCESD Comments	\$ 6,580		4	4	16	12		36
Manhole Removal and Replacement Plan Sheet (2 Sheets)	\$ 12,950	8	14	18	10	10		60
Manhole Replacement/Rehabilitation Detail Sheet (2 Sheets)	\$ 12,950	8	14	18	10	10		60

Exhibit B - Consultant Compensation, Fees and Hours
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

		SR. PM/Prof II	Sr. Prof.	Prof.	Analyst	Designer	Admin.	
		Chris Woodley Michael Grandy Zach Schmidt Anne DeBoard Michael Colombo	Ryan Marks Julian Pasquetta Lina Bearat Joseph Cuffari Ryan Earwood	Julia Hoath Dan Beckel Sarah Montgomery Jackson Modrak Bob Robinson	Brook Bomar Evan Omsa Emma Legg Paige Helffratne Richard Gervasio	Isaac Witherspoon Logan Logg Zac Scharnow	Nakola Newton Cheryl Ohmsa	
TASK DESCRIPTION	SUBTOTAL	\$ 290.00	\$ 250.00	\$ 210.00	\$ 180.00	\$ 155.00	\$ 105.00	Total Hours
TASK 10.2 - SPECIFICATIONS	\$ 27,240	12	48	56	-	-	-	116
Technical Specifications (60%, 95%, 100%, Final)	\$ 20,720	8	40	40				88
Review and Update General Conditions/Contract/Specifications (100% & Final)	\$ 6,520	4	8	16				28
TASK 10.3 - COST ESTIMATES	\$ 28,920	12	48	64	-	-	-	124
Quantities/Estimate (30%, 60%, 95%, 100%, Final)	\$ 28,920	12	48	64				124
See Subconsultant - Independent Cost Estimate Review - CA Group	\$ -							
TASK 11 - SUBMITTALS	\$ 36,280	-	28	32	60	-	112	232
30% Submittal Coordination	\$ 4,960		4	4	8		16	32
60% Submittal Coordination	\$ 4,960		4	4	8		16	32
95% Submittal Coordination	\$ 4,960		4	4	8		16	32
100% Submittal Coordination	\$ 4,960		4	4	8		16	32
Final Submittal Coordination	\$ 4,960		4	4	8		16	32
ADOT Submittals (Red-Letter, Encroachment)	\$ 7,360		4	8	12		24	48
ADOT Encroachment Permit Support	\$ 4,120		4	4	8		8	24
SUBTOTAL DIRECT LABOR	\$ 1,846,287	486	1,339	1,720	3,137	2,597	402	9,681
SUBCONSULTANTS TASKS								
TASK 2.2 - UTILITY POTHOLING (AIMS)	\$ 251,625							
Utility Potholes (275 Potholes)	\$ 251,625							
TASK 6 & 7 - SURVEY AND RIGHT-OF-WAY (S&F LAND SERVICES)	\$ 39,027							
Topographic Survey and Monument Recovery	\$ 34,552							
Right-of-Way Staking	\$ 4,475							
TASK 8 - GEOTECHNICAL ENGINEERING (NINYO & MOORE)	\$ 21,500							
Geotechnical Engineering	\$ 19,000							
Percolation Testing (Up to 1 Location)	\$ 2,500							
TASK 10.1E, 10.3 - SIGNING AND MARKING AND COST ESTIMATE REVIEW (CA GROUP)	\$ 94,770							
Signing and Marking and Cost Estimate Review	\$ 94,770							
SUBTOTAL SUBCONSULTANTS	\$ 406,922							
EXPENSE								
EXPENSES	\$ 20,000							
Traffic Counts	\$ 2,000							
ERIS (hazmat database packages)	\$ 10,000							
Printing, Mailing, Notifications for Public Involvement	\$ 5,000							
MCESD ATC Permit Fees	\$ 3,000							
ALLOWANCES								
OWNER'S ALLOWANCE	\$ 200,000							
Owner's Allowance	\$ 200,000							
TOTAL CONTRACT FEE	\$ 2,473,209							

**Exhibit B-1 - Consultant Compensation and Fees
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201**

TASK DESCRIPTION	SUBTOTAL	Department Funding Breakout		
		STREETS	WATER	WASTEWATER
TASK 1 - DATA COLLECTION	\$ 13,280	\$ 10,624	\$ 2,656	\$ -
As-Built and Past Report Research	\$ 8,080			
Utility Data Collection - Collect and Log As-Builts	\$ 2,600			
Review, PDF, and Log As-Builts/Past Reports	\$ 2,600			
TASK 2 - PUBLIC UTILITY COORDINATION				
TASK 2.1 - UTILITY COORDINATION	\$ 59,180	\$ 44,385	\$ 14,795	\$ -
Develop and Maintain Utility Inventory and Conflict Log	\$ 5,560			
General Utility Coordination Meetings - up to six (6)	\$ 3,840			
General Utility Coordination Meeting Notes	\$ 1,830			
SRP Coordination Meetings - up to twenty-four (24)	\$ 15,360			
SRP Coordination Meeting Notes	\$ 7,320			
Individual Utility Meetings - up to twelve (12)	\$ 5,160			
Individual Utility Meeting Notes	\$ 3,660			
Review Prior Rights Documentation (Up to 3 reviews)	\$ 2,370			
Utility Notification Letters (30%, 60%, 95%, 100%, Final)	\$ 2,200			
Prepare CADD files to Transmit to Utilities	\$ 4,200			
Field Review	\$ 7,680			
TASK 2.2 - UTILITY LOCATING & VERIFICATION	\$ 72,800	\$ 54,600	\$ 18,200	\$ -
Utility Locating Field Marking (SUE Level B)	\$ 46,960			
Prepare Utility Base File (SUE Level C)	\$ 16,280			
Pothole Coordination - Develop Pothole List (SUE Level A)	\$ 9,560			
See Subconsultant - Utility Potholing - AIMS	\$ -			
TASK 2.4 - UTILITY RELOCATION DESIGN COORDINATION	\$ 46,940	\$ 46,940	\$ -	\$ -
Utility (Non-SRP) Relocation Concept Development	\$ 5,560			
Review Utility (Non-SRP) Relocation Plans (up to 16 Reviews)	\$ 10,120			
SRP Relocation Design Reviews and Coordination (24 mon @ 2hr/mo)	\$ 10,000			
Conceptual 15% Layout for SRP 12kV Mainline Alignment and Cabinet Locations	\$ 8,000			
Preliminary 30% Layout for SRP 12kV, Street Lighting, and Power Service	\$ 8,000			
Prepare Base Map for Utility Relocations	\$ 5,260			
TASK 2.5 - UTILITY CLEARANCE & SERVICE REQUEST LETTERS	\$ 9,440	\$ 9,440	\$ -	\$ -
Prepare Utility Clearance Letters	\$ 2,820			
Power Service Request Letters	\$ 3,940			
Coordinate Water and Power Addresses	\$ 2,680			
TASK 3 - PROGRESS MEETINGS	\$ 69,500	\$ 55,600	\$ 13,900	\$ -
Progress Meetings (24 Mtgs)(Includes Comment Resolution Mtgs)	\$ 21,360			
Bi-Weekly Phone Call Update Meetings (48 30-minute Mtgs)	\$ 11,040			
ADOT Meetings (4 Mtgs)	\$ 2,420			
Prepare Meeting Agenda/Exhibits/Handouts	\$ 3,720			
Meeting Notes	\$ 9,840			
Summary of Comments for Comment Resolution Mtgs	\$ 10,600			
General ADOT Coordination	\$ 2,680			
Maintain Action Item Log	\$ 7,840			
TASK 4 - PUBLIC & STAKEHOLDER MEETINGS	\$ 43,040	\$ 34,432	\$ 8,608	\$ -
Project Advertising and Engagement Materials	\$ 5,560			
Virtual Engagement and Recorded Presentation	\$ 5,420			
Public Meeting Attendance (up to 2 Mtgs)	\$ 3,720			
Individual Stakeholder Meeting Attendance (up to 4 Mtgs)	\$ 6,000			
Attend Transportation Commission/Council Meetings (up to 3 Mtgs)	\$ 4,500			
Develop Presentation	\$ 4,700			
Public Engagement Summary Reports	\$ 13,140			

Exhibit B-1 - Consultant Compensation and Fees
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

TASK DESCRIPTION	SUBTOTAL	Department Funding Breakout		
		STREETS	WATER	WASTEWATER
TASK 5 - PROJECT MANAGEMENT	\$ 106,480	\$ 85,184	\$ 21,296	\$ -
Monthly Progress Reports	\$ 8,520			
Budget Monitoring/Setup/Insurance/Invoicing	\$ 10,080			
Contract Management (24 Months @2 hrs/Month)	\$ 7,520			
Develop/Maintain Project Design Schedule	\$ 1,580			
Design Quality Control Plan	\$ 1,580			
QA/QC	\$ 64,800			
Manage Sub-Consultants	\$ 6,520			
Project Documentation/Email/Document Filing (24 Months @ 2 hrs/Month)	\$ 5,880			
TASK 6 - DESIGN SURVEY	\$ 15,680	\$ 11,760	\$ 3,920	\$ -
Survey Coordination/Requests	\$ 2,680			
Review and Field Verify Topo Survey CAD Files	\$ 13,000			
See Subconsultant - Control & Topo Survey - S and F Land Services	\$ -			
TASK 7 - RIGHT-OF-WAY COORDINATION	\$ 137,160	\$ 109,728	\$ 27,432	\$ -
Right-of-Way Mapping and Strip Map	\$ 8,840			
Coordinate Title Reports/Legals/Exhibits	\$ 1,440			
Prepare Legal Descriptions/Exhibits (up to 75 L&Es)	\$ 101,200			
Individual Property Exhibits (Detailed Version) (up to 24 Exhibits)	\$ 17,120			
Individual Property Exhibits (Generic Version) (up to 24 Exhibits)	\$ 8,560			
See Subconsultant - Right-of-Way and Easement Staking - S and F Land Services	\$ -			
TASK 8 - GEOTECHNICAL	\$ 2,680	\$ 2,010	\$ 670	\$ -
Coordinate Geotechnical Boring Plan	\$ 2,680			
See Subconsultant - Geotechnical Engineering - Ninyo & Moore	\$ -			
TASK 9 - ENVIRONMENTAL SERVICES	\$ 37,500	\$ 30,000	\$ 7,500	\$ -
Biological Resources Memorandum	\$ 6,060			
Phase I ESA (for New ROW/easement/TCE)	\$ 8,940			
Phase I ESA Update (for New ROW/easement/TCE)	\$ 8,220			
Cultural Resources	\$ 11,120			
Environmental Compliance Memo (for ADOT Encroachment Permit)	\$ 3,160			
TASK 10 - PLANS, SPECIFICATIONS, & ESTIMATES				
TASK 10.0 - PRELIMINARY DESIGN				
TASK 10.0A - TRAFFIC ANALYSIS	\$ 65,015	\$ 65,015	\$ -	\$ -
Review and Summary of Traffic Count Data	\$ 1,120			
MAG Travel Demand Model Volumes	\$ 3,370			
City Files: Historical Traffic Count Data, Synchro Model, Signal Timing, Future Developments	\$ 1,430			
Existing Conditions - Synchro Analysis/Identification of Deficiencies	\$ 6,260			
Future Conditions - Future Traffic Volumes	\$ 3,180			
Future Conditions - Synchro Analysis/Identification of Deficiencies	\$ 6,360			
Synchro Analysis for 3 Alternatives/Recommended Improvements	\$ 13,520			
Crash Analysis	\$ 7,860			
Signal Warrant	\$ 1,485			
Access Control Management	\$ 3,680			
Draft Traffic Report	\$ 11,190			
Final Traffic Report	\$ 5,560			
TASK 10.0B - ALTERNATIVE DEVELOPMENT AND EVALUATION	\$ 60,000	\$ 48,000	\$ 12,000	\$ -
Preliminary Layout Based on City Standard Details, Symmetrical	\$ 10,760			
Kyrene Road Typical Section Alternatives (up to 2 alternatives)	\$ 9,280			
Kyrene Rd/Chandler Blvd Intersection Alternative Layouts (up to 3 alternatives)	\$ 11,760			
Kyrene Rd/SR 202L Intersection Alternative Layouts (up to 2 alternatives)	\$ 5,260			
Preliminary Drainage Evaluation and Alternatives (Exhibit)	\$ 8,560			
Preliminary Cost Estimate and Pro/Con Evaluation	\$ 12,000			
Pavement Condition Exhibit (Pavement Quality Index Analysis)	\$ 2,380			

Exhibit B-1 - Consultant Compensation and Fees
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

TASK DESCRIPTION	SUBTOTAL	Department Funding Breakout		
		STREETS	WATER	WASTEWATER
TASK 10.0C - PROJECT ASSESSMENT VERIFICATION MEMORANDUM	\$ 18,860	\$ 15,088	\$ 3,772	\$ -
Project Assessment Verification Memorandum (Compile, Summarize, & Review)	\$ 3,840			
Summary of Additional Scope Items	\$ 2,680			
Preliminary Opinion of Probable Cost (Recommended Alternative)	\$ 12,340			
Task 10.1 - FINAL DESIGN				
TASK 10.1A - PAVING PLANS	\$ 317,660	\$ 317,660	\$ -	\$ -
Cover Sheet, Approvals, Vicinity Map (1 Sht)	\$ 2,570			
General Notes & Legend (2 Shts)	\$ 4,400			
General Notes (ADOT) (2 Shts)	\$ 4,400			
Key Map & Index of Sheets (1 Sht)	\$ 2,270			
Survey Control/Geometric Sheet (1 Sht)	\$ 2,630			
Typical Sections, Pvmnt Sections, Pavement Legend (2 Shts)	\$ 5,840			
Miscellaneous Details Sheet (2 Shts)	\$ 5,260			
Overall Paving Limits (1 Sht)	\$ 2,880			
Kyrene Rd Paving Plan Shts (Incl. Intersections)(12 Shts) (1"=20' Scale)	\$ 89,760			
Kyrene Rd Paving Profile Shts (Incl. Intersections)(12 Shts)(1"=20' Scale)	\$ 63,120			
Chandler Blvd Paving Plan Shts (4 Shts)(1"=20' Scale)	\$ 29,920			
Chandler Blvd Paving Profile Shts (4 Shts)(1"=20' Scale)	\$ 21,040			
SR202L Ramp Paving Plan Shts (2 Shts)(1"=20' Scale)	\$ 14,960			
SR202L Ramp Paving Profile Shts (2 Shts)(1"=20' Scale)	\$ 10,520			
Sidewalk Ramp and Driveway Detail Sheets (8 Shts)	\$ 28,080			
SR 202L Ramp Jointing and Staking Shts (2 Shts)(1"=20' Scale)	\$ 7,020			
Modeling and Earthwork	\$ 18,420			
Intersection Staking Sheet (Kyrene Rd and Chandler Blvd) (1 Sht)	\$ 4,570			
TASK 10.1B - DRAINAGE PLANS	\$ 110,665	\$ 110,665	\$ -	\$ -
Evaluate Existing Drainage Reports/Plans	\$ 2,720			
Field Visit	\$ 2,340			
Pavement Hydrology	\$ 3,350			
Verify Existing Retention Basin Capacities	\$ 3,140			
Catch Basin/Scupper/Storm Drain Hydraulics	\$ 3,960			
Retention Basin Design and Coordination	\$ 3,430			
Kyrene Rd Drainage Plan and Profile Shts (12 Shts) (1"=20' Scale)	\$ 55,400			
Connector Pipe Profiles Sheet (2 Sht)	\$ 9,475			
Drainage Details (1 Sht)	\$ 3,340			
Draft Drainage Report	\$ 8,200			
Draft Final Drainage Report	\$ 6,170			
Respond to Comments	\$ 4,420			
Final Drainage Report	\$ 4,720			
TASK 10.1C - TRAFFIC SIGNAL/INTERCONNECT PLANS & FIELD AUDIT	\$ 138,660	\$ 138,660	\$ -	\$ -
Signal & Interconnect Field Review	\$ 3,620			
Kyrene Road/SR 202L Traffic Signal Plans (4 Shts)	\$ 22,300			
Kyrene Road/Frye Road Traffic Signal Plans (4 Shts)	\$ 22,300			
Kyrene Road/Gila Springs Boulevard Traffic Signal Plans (4 Shts)	\$ 22,300			
Kyrene Road/Chandler Boulevard Traffic Signal Plans (4 Shts)	\$ 22,300			
Interconnect Roll Plot and Coordination with City Staff	\$ 3,860			
Traffic Signal Interconnect Plans (Kyrene Rd - SR202L to Chandler Blvd)(4 Shts) (Double Stacked)(1"=40' Scale)	\$ 28,960			
Fiber Field Audit	\$ 5,150			
Audit Notes, Fold-Flat Details, As-built Markups & Photo Delivery	\$ 7,870			
TASK 10.1D - STREET LIGHT PLANS	\$ 47,890	\$ 47,890	\$ -	\$ -
Existing Street Light Field Review	\$ 2,340			
Photometric Analysis (60%, 95%)(Double Stacked)(3 Shts)(1"=40' Scale)	\$ 13,080			
Lighting General Notes	\$ 2,150			
Lighting Plans (Double Stacked)(4 Shts)(1"=40' Scale)	\$ 23,200			
SRP Coordination	\$ 7,120			

Exhibit B-1 - Consultant Compensation and Fees
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

Department Funding Breakout				
TASK DESCRIPTION	SUBTOTAL	STREETS	WATER	WASTEWATER
TASK 10.1E - STRIPING & SIGNING PLANS	\$ 7,840	\$ 7,840	\$ -	\$ -
Signing and Marking Field Review and Inventory	\$ 2,280			
Design Coordination and Review	\$ 5,560			
See Subconsultant - Striping & Signing Design - CA Group	\$ -			
TASK 10.1F - LANDSCAPE & IRRIGATION PLANS	\$ 141,340	\$ 141,340	\$ -	\$ -
Site Inventory: Existing Trees and Irrigation Field Work	\$ 6,700			
Kyrene Rd Plant and Irrigation Inventory Plan Shts (Incl. Intersections) (12 Shts) (1" = 20')	\$ 15,580			
Chandler Blvd Plant and Irrigation Inventory Plan Shts (4 Shts)(1"=20' Scale)	\$ 5,160			
SR202L Ramp Plant and Irrigation Inventory Plan Shts (2 Shts)(1"=20' Scale)	\$ 2,580			
ST2405 Turf-to-Xeriscape Plant and Irrigation Inventory Plan Shts (2 Shts)(1"=20' Scale)	\$ 2,580			
Kyrene Rd & Chandler Blvd Plant Inventory Summary Sheets (6 Shts)	\$ 9,210			
Landscape General Notes and Materials Schedule (1 Sht)	\$ 2,630			
Kyrene Rd Landscape Plan Shts (Incl. Intersections) (12 Shts) (1" = 20')	\$ 29,730			
Chandler Blvd Landscape Plan Shts (4 Shts)(1"=20' Scale)	\$ 9,670			
SR202L Ramp Landscape Plan Shts (2 Shts)(1"=20' Scale)	\$ 4,730			
Irrigation General Notes and Materials Schedule (1 Sht)	\$ 2,630			
Kyrene Rd Irrigation Plan Shts (Incl. Intersections) (12 Shts) (1" = 20')	\$ 29,730			
Chandler Blvd Irrigation Plan Shts (4 Shts)(1"=20' Scale)	\$ 9,670			
SR202L Ramp Irrigation Plan Shts (2 Shts)(1"=20' Scale)	\$ 4,730			
Planting Details (2 Sht)	\$ 1,190			
Irrigation Details (2 Shts)	\$ 1,190			
Landscape and Irrigation Coordination Meetings (up to 3 Mtgs)	\$ 3,630			
TASK 10.1G - EROSION & SEDIMENT CONTROL PLANS	\$ 27,180	\$ 27,180	\$ -	\$ -
Erosion Control Cover Sheet (1 Sht)	\$ 1,035			
Erosion and Sediment Control Plan Index (1 Sht)	\$ 2,015			
Erosion Control Details (8 Shts)	\$ 8,280			
Kyrene Rd Erosion Control Plans (6 Shts)(1" = 40') (Double Stacked)	\$ 10,520			
Chandler Blvd Erosion Control Plans (2 Shts)(1" = 40') (Double Stacked)	\$ 3,500			
SR202L Ramp Erosion Control Plans (1 Shts)(1" = 40') (Double Stacked)	\$ 1,830			
TASK 10.1H - WATER, SANITARY SEWER & RECLAIMED WATER PLANS	\$ 205,057	\$ 78,442	\$ 100,715	\$ 25,900
Evaluate Horizontal and Vertical Alignment Alternatives	\$ 18,160			
Alternative Roll Plot Exhibits	\$ 14,300			
Chandler Blvd Waterline Plan and Profile Sheets (10 Shts) (1" = 20' Scale)	\$ 63,067			
Kyrene Road Waterline Plan and Profile Sheets (2 Shts) (1" = 20' Scale)	\$ 12,580			
Waterline Lateral Plan and Profile Sheets (6 Shts) (1" = 20' Scale)	\$ 41,460			
Waterline Details Sheets (3 Shts)	\$ 18,450			
Prepare ATC Permit Application	\$ 2,280			
Prepare Water Report (No Modeling Included)	\$ 2,280			
Address MCESD Comments	\$ 6,580			
Manhole Removal and Replacement Plan Sheet (2 Sheets)	\$ 12,950			
Manhole Replacement/Rehabilitation Detail Sheet (2 Sheets)	\$ 12,950			
TASK 10.2 - SPECIFICATIONS	\$ 27,240	\$ 21,792	\$ 5,448	\$ -
Technical Specifications (60%, 95%, 100%, Final)	\$ 20,720			
Review and Update General Conditions/Contract/Specifications (100% & Final)	\$ 6,520			
TASK 10.3 - COST ESTIMATES	\$ 28,920	\$ 23,136	\$ 5,784	\$ -
Quantities/Estimate (30%, 60%, 95%, 100%, Final)	\$ 28,920			
See Subconsultant - Independent Cost Estimate Review - CA Group	\$ -			

Exhibit B-1 - Consultant Compensation and Fees
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

TASK DESCRIPTION	SUBTOTAL	Department Funding Breakout		
		STREETS	WATER	WASTEWATER
TASK 11 - SUBMITTALS	\$ 36,280	\$ 29,024	\$ 7,256	\$ -
30% Submittal Coordination	\$ 4,960			
60% Submittal Coordination	\$ 4,960			
95% Submittal Coordination	\$ 4,960			
100% Submittal Coordination	\$ 4,960			
Final Submittal Coordination	\$ 4,960			
ADOT Submittals (Red-Letter, Encroachment)	\$ 7,360			
ADOT Encroachment Permit Support	\$ 4,120			
SUBTOTAL DIRECT LABOR	\$ 1,846,287	\$ 1,566,435	\$ 253,952	\$ 25,900
SUBCONSULTANTS TASKS				
TASK 2.2 - UTILITY POTHOLING (AIMS)	\$ 251,625	\$ 125,812	\$ 125,813	\$ -
Utility Potholes (275 Potholes)	\$ 251,625			
TASK 6 & 7 - SURVEY AND RIGHT-OF-WAY (S&F LAND SERVICES)	\$ 39,027	\$ 29,271	\$ 9,756	\$ -
Topographic Survey and Monument Recovery	\$ 34,552			
Right-of-Way Staking	\$ 4,475			
TASK 8 - GEOTECHNICAL ENGINEERING (NINYO & MOORE)	\$ 21,500	\$ 16,125	\$ 5,375	\$ -
Geotechnical Engineering	\$ 19,000			
Percolation Testing (Up to 1 Location)	\$ 2,500			
TASK 10.1E, 10.3 - SIGNING AND MARKING AND COST ESTIMATE REVIEW (CA GROUP)	\$ 94,770	\$ 75,816	\$ 18,954	\$ -
Signing and Marking and Cost Estimate Review	\$ 94,770			
SUBTOTAL SUBCONSULTANTS	\$ 406,922	\$ 247,024	\$ 159,898	\$ -
EXPENSE				
EXPENSES	\$ 20,000	\$ 17,000	\$ 3,000	\$ -
Traffic Counts	\$ 2,000			
ERIS (hazmat database packages)	\$ 10,000			
Printing, Mailing, Notifications for Public Involvement	\$ 5,000			
MCESD ATC Permit Fees	\$ 3,000			
ALLOWANCES				
OWNER'S ALLOWANCE	\$ 200,000	\$ 175,000	\$ 20,000	\$ 5,000
Owner's Allowance	\$ 200,000			
TOTAL CONTRACT FEE	\$ 2,473,209	\$ 2,005,459	\$ 436,850	\$ 30,900

Exhibit B-2 - Consultant Hours
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

	SR, PM/Prof II	Sr. Prof.	Prof.	Analyst	Designer	Admin.	
	Chris Woolery Michael Grandy Zach Schmidt Anne DeBard Michael Colombo	Ryan Marks Julian Pasqueira Lina Boerdt Joseph Cuffari Ryan Earwood	Julia Hoath Dan Iwicki Sarah Montgomery Jackson Modrak Bob Robinson	Brock Bomar Evan Omla Erma Legg Paige Hoffnastine Rachael Gervasio	Isaac Witherspoon Logan Legg Zac Scharnow	Nakole Newton Cheryl Ohmie	
TASK DESCRIPTION	\$ 290.00	\$ 250.00	\$ 210.00	\$ 180.00	\$ 155.00	\$ 105.00	Total Hours
TASK 1 - DATA COLLECTION	-	4	12	24	8	40	88
As-Built and Past Report Research		4	8	16		24	52
Utility Data Collection - Collect and Log As-Builts			2	4	4	8	18
Review, PDF, and Log As-Builts/Past Reports			2	4	4	8	18
TASK 2 - PUBLIC UTILITY COORDINATION							
TASK 2.1 - UTILITY COORDINATION	3	86	50	123	12	22	296
Develop and Maintain Utility Inventory and Conflict Log		4	8	16			28
General Utility Coordination Meetings - up to six (6)		6	6	6			18
General Utility Coordination Meeting Notes		3		6			9
SRP Coordination Meetings - up to twenty-four (24)		24	24	24			72
SRP Coordination Meeting Notes		12		24			36
Individual Utility Meetings - up to twelve (12)		12		12			24
Individual Utility Meeting Notes		6		12			18
Review Prior Rights Documentation (Up to 3 reviews)	3	6					9
Utility Notification Letters (30%, 60%, 95%, 100%, Final)		1		5		10	16
Prepare CADD files to Transmit to Utilities				6	12	12	30
Field Review		12	12	12			36
TASK 2.2 - UTILITY LOCATING & VERIFICATION	-	80	20	208	72	-	380
Utility Locating Field Marking (SUE Level B)		64		172			236
Prepare Utility Base File (SUE Level C)		8	12	24	48		92
Pothole Coordination - Develop Pothole List (SUE Level A)		8	8	12	24		52
See Subconsultant - Utility Potholing - AIMS							
TASK 2.4 - UTILITY RELOCATION DESIGN COORDINATION	4	34	56	128	16	-	238
Utility (Non-SRP) Relocation Concept Development		4	8	16			28
Review Utility (Non-SRP) Relocation Plans (up to 16 Reviews)		4	16	32			52
SRP Relocation Design Reviews and Coordination (24 mon @ 2hr/mo)	4	8	12	24			48
Conceptual 15% Layout for SRP 12kV Mainline Alignment and Cabinet Locations		8	8	24			40
Preliminary 30% Layout for SRP 12kV, Street Lighting, and Power Service		8	8	24			40
Prepare Base Map for Utility Relocations		2	4	8	16		30
TASK 2.5 - UTILITY CLEARANCE & SERVICE REQUEST LETTERS	-	8	20	4	-	24	56
Prepare Utility Clearance Letters			4	4		12	20
Power Service Request Letters		4	8			12	24
Coordinate Water and Power Addresses		4	8				12
TASK 3 - PROGRESS MEETINGS	14	76	112	104	-	40	346
Progress Meetings (24 Mtgs)(Includes Comment Resolution Mtgs)	12	24	36	24			96
Bi-Weekly Phone Call Update Meetings (48 30-minute Mtgs)		24	24				48
ADOT Meetings (4 Mtgs)	2	4	4				10
Prepare Meeting Agenda/Exhibits/Handouts			4	16			20
Meeting Notes		12	12	24			48
Summary of Comments for Comment Resolution Mtgs		4	12	16		40	72
General ADOT Coordination		4	8				12
Maintain Action Item Log		4	12	24			40
TASK 4 - PUBLIC & STAKEHOLDER MEETINGS	24	38	58	80	-	-	200
Project Advertising and Engagement Materials		4	8	16			28
Virtual Engagement and Recorded Presentation	2	4	8	12			26
Public Meeting Attendance (up to 2 Mtgs)	4	4	4	4			16
Individual Stakeholder Meeting Attendance (up to 4 Mtgs)	8	8	8				24
Attend Transportation Commission/Council Meetings (up to 3 Mtgs)	6	6	6				18
Develop Presentation	2	4	8	8			22
Public Engagement Summary Reports	2	8	16	40			66
TASK 5 - PROJECT MANAGEMENT	132	172	48	-	-	144	496
Monthly Progress Reports		24				24	48
Budget Monitoring/Setup/Insurance/Invoicing			24			48	72
Contract Management (24 Months @2 hrs/Month)	4	12				32	48
Develop/Maintain Project Design Schedule	2	4					6
Design Quality Control Plan	2	4					6
QA/QC	120	120					240
Manage Sub-Consultants	4	8	16				28
Project Documentation/Email/Document Filing (24 Months @ 2 hrs/Month)			8			40	48
TASK 6 - DESIGN SURVEY	-	8	16	16	48	-	88
Survey Coordination/Requests		4	8				12
Review and Field Verify Topo Survey CAD Files		4	8	16	48		76
See Subconsultant - Control & Topo Survey - S and F Land Services							

Exhibit B-2 - Consultant Hours
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

	SR, PM/Prof II	Sr. Prof.	Prof.	Analyst	Designer	Admin.	Total Hours
	Chris Woolery Michael Grandy Zach Schmidt Anne DeBard Michael Colombo	Ryan Marks Julian Pasqueira Lina Boerdt Joseph Cuffari Ryan Earwood	Julia Hoath Dan Iwicki Sarah Montgomery Jackson Modrak Bob Robinson	Brock Bomar Evan Omla Emma Legg Paige Hoffnastine Rachael Gervasio	Isaac Witherspoon Logan Legg Zac Scharnow	Nakole Newton Cheryl Ohmie	
TASK DESCRIPTION	\$ 290.00	\$ 250.00	\$ 210.00	\$ 180.00	\$ 155.00	\$ 105.00	
TASK 7 - RIGHT-OF-WAY COORDINATION	-	180	36	408	72	-	696
Right-of-Way Mapping and Strip Map		8	12	24			44
Coordinate Title Reports/Legals/Exhibits				8			8
Prepare Legal Descriptions/Exhibits (up to 75 L&Es)		160		340			500
Individual Property Exhibits (Detailed Version) (up to 24 Exhibits)		8	16	24	48		96
Individual Property Exhibits (Generic Version) (up to 24 Exhibits)		4	8	12	24		48
See Subconsultant - Right-of-Way and Easement Staking - S and F Land Services							
TASK 8 - GEOTECHNICAL	-	4	8	-	-	-	12
Coordinate Geotechnical Boring Plan		4	8				12
See Subconsultant - Geotechnical Engineering - Ninyo & Moore							
TASK 9 - ENVIRONMENTAL SERVICES	18	12	16	144	-	-	190
Biological Resources Memorandum	6			24			30
Phase I ESA (for New ROW/easement/TCE)	6			40			46
Phase I ESA Update (for New ROW/easement/TCE)	6			36			42
Cultural Resources		8	16	32			56
Environmental Compliance Memo (for ADOT Encroachment Permit)		4		12			16
TASK 10 - PLANS, SPECIFICATIONS, & ESTIMATES							
TASK 10.0 - PRELIMINARY DESIGN							
TASK 10.0A - TRAFFIC ANALYSIS	38	11	82	28	187	-	346
Review and Summary of Traffic Count Data	1		1		4		6
MAG Travel Demand Model Volumes	1		3	5	10		19
City Files: Historical Traffic Count Data, Synchro Model, Signal Timing, Future Developments	1		1		6		8
Existing Conditions - Synchro Analysis/Identification of Deficiencies	2		8	5	20		35
Future Conditions - Future Traffic Volumes	2		5		10		17
Future Conditions - Synchro Analysis/Identification of Deficiencies	4		10		20		34
Synchro Analysis for 3 Alternatives/Recommended Improvements	6	5	15	10	36		72
Crash Analysis	6		8	4	24		42
Signal Warrant	1		2		5		8
Access Control Management	2	2	5		10		19
Draft Traffic Report	8	2	16	2	30		58
Final Traffic Report	4	2	8	2	12		28
TASK 10.0B - ALTERNATIVE DEVELOPMENT AND EVALUATION	12	26	58	100	128	-	324
Preliminary Layout Based on City Standard Details, Symmetrical			8	16	40		64
Kyrene Road Typical Section Alternatives (up to 2 alternatives)		4	8	16	24		52
Kyrene Rd/Chandler Blvd Intersection Alternative Layouts (up to 3 alternatives)		4	8	16	40		68
Kyrene Rd/SR 202L Intersection Alternative Layouts (up to 2 alternatives)		2	4	8	16		30
Preliminary Drainage Evaluation and Alternatives (Exhibit)	4	8	12	16			40
Preliminary Cost Estimate and Pro/Con Evaluation	8	8	16	24			56
Pavement Condition Exhibit (Pavement Quality Index Analysis)			2	4	8		14
TASK 10.0C - PROJECT ASSESSMENT VERIFICATION MEMORANDUM	6	12	24	16	40	-	98
Project Assessment Verification Memorandum (Compile, Summarize, & Review)	4	4	8				16
Summary of Additional Scope Items		4	8				12
Preliminary Opinion of Probable Cost (Recommended Alternative)	2	4	8	16	40		70
Task 10.1 - FINAL DESIGN							
TASK 10.1A - PAVING PLANS	39	130	254	500	842	-	1,765
Cover Sheet, Approvals, Vicinity Map (1 Sht)		2	2	4	6		14
General Notes & Legend (2 Shts)			4	6	16		26
General Notes (ADOT) (2 Shts)			4	6	16		26
Key Map & Index of Sheets (1 Sht)		1	2	2	8		13
Survey Control/Geometric Sheet (1 Sht)		1	2	4	8		15
Typical Sections, Pvmnt Sections, Pavement Legend (2 Shts)	2	2	4	8	16		32
Miscellaneous Details Sheet (2 Shts)		2	4	8	16		30
Overall Paving Limits (1 Sht)		2	2	4	8		16
Kyrene Rd Paving Plan Shts (Incl. Intersections)(12 Shts) (1"=20' Scale)	24	48	72	144	192		480
Kyrene Rd Paving Profile Shts (Incl. Intersections)(12 Shts)(1"=20' Scale)		24	48	96	192		360
Chandler Blvd Paving Plan Shts (4 Shts)(1"=20' Scale)	8	16	24	48	64		160
Chandler Blvd Paving Profile Shts (4 Shts)(1"=20' Scale)		8	16	32	64		120
SR202L Ramp Paving Plan Shts (2 Shts)(1"=20' Scale)	4	8	12	24	32		80
SR202L Ramp Paving Profile Shts (2 Shts)(1"=20' Scale)		4	8	16	32		60
Sidewalk Ramp and Driveway Detail Sheets (8 Shts)		8	24	48	80		160
SR 202L Ramp Jointing and Staking Shts (2 Shts)(1"=20' Scale)		2	6	12	20		40
Modeling and Earthwork			16	32	60		108
Intersection Staking Sheet (Kyrene Rd and Chandler Blvd) (1 Sht)	1	2	4	6	12		25

TASK DESCRIPTION	SR, PM/Prof II	Sr. Prof.	Prof.	Analyst	Designer	Admin.	Total Hours
	Chris Woolery Michael Grandy Zach Schmidt Anne DeBard Michael Colombo	Ryan Marks Julian Pasqueira Lina Boerst Joseph Cuffari Ryan Earwood	Julia Hoath Dan Iwicki Sarah Montgomery Jackson Modrak Bob Robinson	Brock Bomar Evan Omla Emma Legg Paige Hoffinsize Rachael Gervasio	Isaac Witherspoon Logan Legg Zac Scharrow	Nakole Newton Cheryl Ohmie	
	\$ 290.00	\$ 250.00	\$ 210.00	\$ 180.00	\$ 155.00	\$ 105.00	
TASK 10.1B - DRAINAGE PLANS	46	-	125	267	139	14	591
Evaluate Existing Drainage Reports/Plans	1		3	10			14
Field Visit			6	6			12
Pavement Hydrology	1		6	10			17
Verify Existing Retention Basin Capacities	1		5	10			16
Catch Basin/Scupper/Storm Drain Hydraulics			6	15			21
Retention Basin Design and Coordination	2		5	10			17
Kyrene Rd Drainage Plan and Profile Shts (12 Shts) (1"=20' Scale)	25		60	120	90		295
Connector Pipe Profiles Sheet (2 Sht)	5		10	20	15		50
Drainage Details (1 Sht)	1		2	6	10		19
Draft Drainage Report	4		8	20	10	2	44
Draft Final Drainage Report	2		6	16	8	2	34
Respond to Comments	2		4	12		8	26
Final Drainage Report	2		4	12	6	2	26
TASK 10.1C - TRAFFIC SIGNAL/INTERCONNECT PLANS & FIELD AUDIT	21	78	150	204	288	2	743
Signal & Interconnect Field Review		2	8	8			18
Kyrene Road/SR 202L Traffic Signal Plans (4 Shts)	4	12	24	28	52		120
Kyrene Road/Frye Road Traffic Signal Plans (4 Shts)	4	12	24	28	52		120
Kyrene Road/Gila Springs Boulevard Traffic Signal Plans (4 Shts)	4	12	24	28	52		120
Kyrene Road/Chandler Boulevard Traffic Signal Plans (4 Shts)	4	12	24	28	52		120
Interconnect Roll Plot and Coordination with City Staff		2	4	14			20
Traffic Signal Interconnect Plans (Kyrene Rd - SR202L to Chandler Blvd)(4 Shts) (Double Stacked)(1"=40' Scale)	4	16	20	40	80		160
Fiber Field Audit		5	10	10			25
Audit Notes, Fold-Flat Details, As-built Markups & Photo Delivery	1	5	12	20		2	40
TASK 10.1D - STREET LIGHT PLANS	10	29	41	113	54	4	251
Existing Street Light Field Review		4		4	4		12
Photometric Analysis (60%, 95%)(Double Stacked)(3 Shts)(1"=40' Scale)	2	4	10	35	20		71
Lighting General Notes		2		4	6		12
Lighting Plans (Double Stacked)(4 Shts)(1"=40' Scale)	8	12	16	60	24		120
SRP Coordination		7	15	10		4	36
TASK 10.1E - STRIPING & SIGNING PLANS	-	4	12	24	-	-	40
Signing and Marking Field Review and Inventory			4	8			12
Design Coordination and Review		4	8	16			28
See Subconsultant - Striping & Signing Design - CA Group							
TASK 10.1F - LANDSCAPE & IRRIGATION PLANS	15	48	100	204	434	-	801
Site Inventory: Existing Trees and Irrigation Field Work				20	20		40
Kyrene Rd Plant and Irrigation Inventory Plan Shts (Incl. Intersections) (12 Shts) (1" = 20')		3	8	30	50		91
Chandler Blvd Plant and Irrigation Inventory Plan Shts (4 Shts)(1"=20' Scale)		1	2	6	22		31
SR202L Ramp Plant and Irrigation Inventory Plan Shts (2 Shts)(1"=20' Scale)		1	2	2	10		15
ST2405 Turf-to-Xeriscape Plant and Irrigation Inventory Plan Shts (2 Shts)(1"=20' Scale)		1	2	2	10		15
Kyrene Rd & Chandler Blvd Plant Inventory Summary Sheets (6 Shts)			8	16	30		54
Landscape General Notes and Materials Schedule (1 Sht)		1	2	4	8		15
Kyrene Rd Landscape Plan Shts (Incl. Intersections) (12 Shts) (1" = 20')	4	12	24	40	86		166
Chandler Blvd Landscape Plan Shts (4 Shts)(1"=20' Scale)	1	4	6	12	32		55
SR202L Ramp Landscape Plan Shts (2 Shts)(1"=20' Scale)	1	1	3	6	16		27
Irrigation General Notes and Materials Schedule (1 Sht)			2	4	8		15
Kyrene Rd Irrigation Plan Shts (Incl. Intersections) (12 Shts) (1" = 20')	4	12	24	40	86		166
Chandler Blvd Irrigation Plan Shts (4 Shts)(1"=20' Scale)	1	4	6	12	32		55
SR202L Ramp Irrigation Plan Shts (2 Shts)(1"=20' Scale)	1	1	3	6	16		27
Planting Details (2 Sht)			1	2	4		7
Irrigation Details (2 Shts)			1	2	4		7
Landscape and Irrigation Coordination Meetings (up to 3 Mtgs)	3	6	6				15
TASK 10.1G - EROSION & SEDIMENT CONTROL PLANS	-	7	22	45	82	-	156
Erosion Control Cover Sheet (1 Sht)			1	2	3		6
Erosion and Sediment Control Plan Index (1 Sht)			1	4	7		12
Erosion Control Details (8 Shts)			8	16	24		48
Kyrene Rd Erosion Control Plans (6 Shts)(1" = 40') (Double Stacked)		4	8	16	32		60
Chandler Blvd Erosion Control Plans (2 Shts)(1" = 40') (Double Stacked)		2	2	4	12		20
SR202L Ramp Erosion Control Plans (1 Shts)(1" = 40') (Double Stacked)		1	2	3	4		10
TASK 10.1H - WATER, SANITARY SEWER & RECLAIMED WATER PLANS	80	168	248	337	175	-	1008
Evaluate Horizontal and Vertical Alignment Alternatives	4	10	20	40	20		94
Alternative Roll Plot Exhibits	4	8	16	26	20		74
Chandler Blvd Waterline Plan and Profile Sheets (10 Shts) (1" = 20' Scale)	30	60	80	97	33		300
Kyrene Road Waterline Plan and Profile Sheets (2 Shts) (1" = 20' Scale)	6	12	16	18	8		60
Waterline Lateral Plan and Profile Sheets (6 Shts) (1" = 20' Scale)	12	20	48	72	48		210
Waterline Details Sheets (3 Shts)	8	16	20	32	14		90
Prepare ATC Permit Application			4	8			12
Prepare Water Report (No Modeling Included)			4	8			12
Address MCESD Comments		4	4	16	12		36
Manhole Removal and Replacement Plan Sheet (2 Sheets)	8	14	18	10	10		60
Manhole Replacement/Rehabilitation Detail Sheet (2 Sheets)	8	14	18	10	10		60

Exhibit B-2 - Consultant Hours
City of Chandler
Kyrene Road (Santan Loop 202 to Chandler Blvd)
ST2503.201

	SR. PM/Prof II	Sr. Prof.	Prof.	Analyst	Designer	Admin.	
	Chris Woolery Michael Grandy Zach Schmidt Anne DeBeard Michael Colombo	Ryan Marks Julian Pasqueira Lina Boerdt Joseph Cuffari Ryan Earwood	Julia Hoath Dan Iwicki Sarah Montgomery Jackson Modrak Bob Robinson	Brock Bomar Evan Omla Emma Legg Paige Hoffinsine Rachael Gervasio	Isaac Witherspoon Logan Legg Zac Scharnow	Nakole Newton Cheryl Ohmie	
TASK DESCRIPTION	\$ 290.00	\$ 250.00	\$ 210.00	\$ 180.00	\$ 155.00	\$ 105.00	Total Hours
TASK 10.2 - SPECIFICATIONS	12	48	56	-	-	-	116
Technical Specifications (60%, 95%, 100%, Final)	8	40	40				88
Review and Update General Conditions/Contract/Specifications (100% & Final)	4	8	16				28
TASK 10.3 - COST ESTIMATES	12	48	64	-	-	-	124
Quantities/Estimate (30%, 60%, 95%, 100%, Final)	12	48	64				124
See Subconsultant - Independent Cost Estimate Review - CA Group							
TASK 11 - SUBMITTALS	-	28	32	60	-	112	232
30% Submittal Coordination		4	4	8		16	32
60% Submittal Coordination		4	4	8		16	32
95% Submittal Coordination		4	4	8		16	32
100% Submittal Coordination		4	4	8		16	32
Final Submittal Coordination		4	4	8		16	32
ADOT Submittals (Red-Letter, Encroachment)		4	8	12		24	48
ADOT Encroachment Permit Support		4	4	8		8	24
SUBTOTAL DIRECT LABOR	486	1,339	1,720	3,137	2,597	402	9,681
SUBCONSULTANTS TASKS							
TASK 2.2 - UTILITY POTHOLING (AIMS)							
Utility Potholes (275 Potholes)							
TASK 6 & 7 - SURVEY AND RIGHT-OF-WAY (S&F LAND SERVICES)							
Topographic Survey and Monument Recovery							
Right-of-Way Staking							
TASK 8 - GEOTECHNICAL ENGINEERING (NINYO & MOORE)							
Geotechnical Engineering							
Percolation Testing (Up to 1 Location)							
TASK 10.1E, 10.3 - SIGNING AND MARKING AND COST ESTIMATE REVIEW (CA GROUP)							
Signing and Marking and Cost Estimate Review							
SUBTOTAL SUBCONSULTANTS							
EXPENSE							
EXPENSES							
Traffic Counts							
ERIS (hazmat database packages)							
Printing, Mailing, Notifications for Public Involvement							
MCESD ATC Permit Fees							
ALLOWANCES							
OWNER'S ALLOWANCE							
Owner's Allowance							
TOTAL CONTRACT FEE							

EXHIBIT "C"

INSURANCE REQUIREMENTS

1. General.
 - 1.1 At the same time as execution of this Agreement, Consultant must furnish City a certificate of insurance on a standard insurance industry ACORD form. The ACORD form must be issued by an insurance company authorized to transact business in the State of Arizona possessing a current A.M. Best, Inc. rating of A-7, or better and legally authorized to do business in the State of Arizona with policies and forms satisfactory to City. Provided, however, the A.M. Best rating requirement will not be deemed to apply to required Workers' Compensation coverage.
 - 1.2 Consultant and any of its subconsultants must procure and maintain, until all of their obligations have been discharged, including any warranty periods under this Agreement are satisfied, the insurances set forth below.
 - 1.3 The insurance requirements set forth below are minimum requirements for this Agreement and in no way limit the indemnity covenants contained in this Agreement.
 - 1.4 City in no way warrants that the minimum insurance limits contained in this Agreement are sufficient to protect Consultant from liabilities that might arise out of the performance of the Agreement services under this Agreement by Consultant, its agents, representatives, employees, subconsultants, and Consultant is free to purchase any additional insurance as may be determined necessary.
 - 1.5 Failure to demand evidence of full compliance with the insurance requirements in this Agreement or failure to identify any insurance deficiency will not relieve Consultant from, nor will it be considered a waiver of its obligation to maintain the required insurance at all times during the performance of this Agreement.
 - 1.6 Use of subconsultants: If any work is subcontracted in any way, Consultant must execute a written Agreement with subconsultant containing the same Indemnification Clause and Insurance Requirements as City requires of Consultant in this Agreement. Consultant is responsible for executing the Agreement with the subconsultant and obtaining Certificates of Insurance and verifying the insurance requirements.
2. Minimum Scope and Limits of Insurance. Consultant must provide coverage with limits of liability not less than those stated below.
 - 2.1 *Professional Liability.* If the Agreement is the subject of any professional services or work performed by Consultant, or if Consultant engages in any professional services or work adjunct or residual to performing the work under this Agreement, Consultant must maintain Professional Liability insurance covering errors and omissions arising out of the work or services performed by Consultant, or anyone employed by Consultant, or anyone whose acts, mistakes, errors and omissions Consultant is legally liable, with a liability limit of \$1,000,000 each claim and \$2,000,000 all claims. In the event the Professional Liability insurance policy is written on a "claims made" basis, coverage must extend for 3 years past

completion and acceptance of the work or services, and Consultant, or its selected Design Professional will submit Certificates of Insurance as evidence the required coverage is in effect. The Design Professional must annually submit Certificates of Insurance citing that the applicable coverage is in force and contains the required provisions for a 3 year period.

2.2 *Commercial General Liability-Occurrence Form.* Consultant must maintain “occurrence” form Commercial General Liability insurance with a limit of not less than \$2,000,000 for each occurrence, \$4,000,000 aggregate. Said insurance must also include coverage for products and completed operations, independent contractors, personal injury and advertising injury. If any Excess insurance is utilized to fulfill the requirements of this paragraph, the Excess insurance must be “follow form” equal or broader in coverage scope than underlying insurance.

2.3 *Automobile Liability-Any Auto or Owned, Hired and Non-Owned Vehicles Vehicle Liability:* Consultant must maintain Business/Automobile Liability insurance with a limit of \$1,000,000 each accident on Consultant owned, hired, and non-owned vehicles assigned to or used in the performance of Consultant’s work or services under this Agreement. If any Excess or Umbrella insurance is utilized to fulfill the requirements of this paragraph, the Excess or Umbrella insurance must be “follow form” equal or broader in coverage scope than underlying insurance.

2.4 *Workers Compensation and Employers Liability Insurance:* Consultant must maintain Workers Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction of Consultant employees engaged in the performance of work or services under this Agreement and must also maintain Employers’ Liability insurance of not less than \$1,000,000 for each accident and \$1,000,000 disease for each employee.

3. Additional Policy Provisions Required.

3.1 *Self-Insured Retentions or Deductibles.* Any self-insured retentions and deductibles must be declared and approved by City. If not approved, City may require that the insurer reduce or eliminate any deductible or self-insured retentions with respect to City, its officers, officials, agents, employees, and volunteers.

3.1.1. Consultant’s insurance must contain broad form contractual liability coverage.

3.1.2. Consultant’s insurance coverage must be primary insurance with respect to City, its officers, officials, agents, and employees. Any insurance or self-insurance maintained by City, its officers, officials, agents, and employees will be in excess of the coverage provided by Consultant and must not contribute to it.

3.1.3. Consultant’s insurance must apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.

3.1.4. Coverage provided by Consultant must not be limited to the liability assumed under the indemnification provisions of this Agreement.

- 3.1.5. The policies must contain a severability of interest clause and waiver of subrogation against City, its officers, officials, agents, and employees, for losses arising from Work performed by Consultant for City. (Does not apply to Professional Liability coverage.)
- 3.1.6. Consultant, its successors and or assigns, are required to maintain Commercial General Liability insurance as specified in this Agreement for a minimum period of 3 years following completion and acceptance of the Work. Consultant must submit a Certificate of Insurance evidencing Commercial General Liability insurance during this 3-year period containing all the Agreement insurance requirements, including naming City of Chandler, its agents, representatives, officers, directors, officials and employees as Additional Insured as required.
- 3.1.7. If a Certificate of Insurance is submitted as verification of coverage, City will reasonably rely upon the Certificate of Insurance as evidence of coverage, but this acceptance and reliance will not waive or alter in any way the insurance requirements or obligations of this Agreement.

3.2. *Insurance Cancellation During Term of Agreement.*

- 3.2.1. If any of the required policies expire during the life of this Agreement, Consultant must forward renewal or replacement Certificates to City within 10 days after the renewal date containing all the required insurance provisions.
- 3.2.2. Each insurance policy required by the insurance provisions of this Agreement must provide the required coverage and must not be suspended, voided or canceled except after thirty (30) days prior written notice has been given to City, except when cancellation is for non-payment of premium, then ten (10) days prior notice may be given. Such notice must be sent directly to Chandler Law-Risk Management Department, Post Office Box 4008, Mailstop 628, Chandler, Arizona 85225. If any insurance company refuses to provide the required notice, Consultant or its insurance broker must notify City of any cancellation, suspension, non-renewal of any insurance within seven (7) days of receipt of insurers' notification to that effect.

3.3 *City as Additional Insured.* The policies are to contain, or be endorsed to contain, the following provisions:

- 3.3.1. The Commercial General Liability and Automobile Liability policies are to contain, or be endorsed to contain, the following provisions: City, its officers, officials, agents, and employees are additional insureds with respect to liability arising out of activities performed by, or on behalf of, Consultant; Products and Completed operations of Consultant; and automobiles owned, leased, hired, or borrowed by Consultant.
- 3.3.2. City, its officers, officials, agents, and employees must be additional insureds to the full limits of liability purchased by Consultant even if those limits of liability are in excess of those required by this Agreement.

EXHIBIT "D"

SPECIAL CONDITIONS

Standard Details and Specifications. Consultant must be familiar with City's latest revision of the MAG Specifications and MAG Standard Details as amended by City. City's current amendment to the MAG Specifications, part of City's Unified Development Manual, may be found and downloaded from City's website at <http://www.chandleraz.gov/udm>.

City Ownership of Project Documents. All work products (electronically or manually generated) including, but not limited to: plans, specifications, cost estimates, field notes, tracings, studies, investigations, design analyses, original drawings, original mylars, Computer Aided Drafting and Design (CADD) file diskettes which reflect all final drawings, and other related documents which are prepared in the performance of this Agreement (collectively referred to as "Documents") are to be and remain the property of City and are to be delivered to the Project Manager before the final payment is made to Consultant. In the event these Documents are altered, modified or adapted without the written consent of Consultant, which consent Consultant must not unreasonably withhold, City agrees to hold Consultant harmless to the extent permitted by law from the legal liability arising out of City's alteration, modification or adaptation of the Documents.

Re-use of Documents. The parties agree the documents, drawings, specifications and designs, although the property of City, are prepared for this specific project and are not intended nor represented by Consultant to be suitable for re-use for any other project. Any re-use without written verification or adaptation by Consultant for the specific purpose intended will be at City's sole risk and without liability or legal exposure to Consultant.

Documents to Bear Seal. Consultant and its subconsultants must endorse by professional seal all plans, works, and deliverables prepared by each for this Agreement as required by state law.

Work within City's Right-of-Way. All work performed within City's Right-of-Way by Consultant and Consultant's subconsultants must comply with City of Chandler requirements.

1. **Consultant and Subconsultant Worker Background Screening.** Consultant agrees that all contract workers and subconsultants (collectively "Contract Worker(s)") that Consultant furnishes to City under this Agreement will be subject to background and security checks and screening as set forth in this Section (collectively "Background Screening") at Consultant's sole cost and expense. As part of the Background Screening, Consultant must provide to a person designated by the City the name(s), address(es), and phone number(s) of all Contract Workers who will provide any services under this Agreement. All Contract Workers must comply with these Background Screening requirements. All Contract Workers must be able to provide proof of the legal right to work in the United States. The Background Screening provided by Consultant must comply with all applicable laws, rules, and regulations. Consultant further agrees that the Background Screening required in this Section is necessary to preserve and protect public health, safety, and welfare. The Background Screening requirements set forth in this Section are the minimum requirements for this Agreement. City in no way warrants that these minimum

requirements are sufficient to protect Consultant from any liabilities that may arise out of Consultant's services under this Agreement or Consultant's failure to comply with this Section. Therefore, in addition to the specific measures set forth below, Consultant and its Contract Workers must take such other reasonable, prudent, and necessary measures to further preserve and protect public health, safety, and welfare when providing services under this Agreement.

2. **Background Screening Requirements and Criteria.** Before offering or scheduling any services under this Agreement, Consultant agrees that all Contract Workers, including the Consultant, if the Consultant is an individual or sole proprietorship, must have successfully passed a Background Screening in accordance with this Section. Consultant warrants that no person will be permitted to substitute for a Contract Worker who has satisfied the Background Screening requirements until the proposed substitute has also satisfied the Background Screening requirements in this Section. For review and approval, Consultant must submit to a person designated by the City proof of a completed Background Screening for each Contract Worker over the age of 18 performing services under this Agreement no fewer than two (2) weeks before the proposed start date of such Contract Worker's services. The Background Screening must have been completed within the 12-month period preceding the Contract Worker's start date under this Agreement and must include the results of a social security (SSN) trace, a national criminal databased check with source verification, and a sex offender database search.
3. **Additional City Rights Regarding Security Inquiries.** In addition to the foregoing, City reserves the rights but not the obligations to: (1) have a Contract Worker be required to provide fingerprints and execute such other documentation as may be necessary to obtain criminal justice information pursuant to A.R.S. § 41-1750(G) (4) or Chandler City Code § 4-22; (2) act on newly acquired information whether or not such information should have been previously discovered; (3) unilaterally change its standards and criteria relative to the acceptability of Contract Workers; and (4) object, at any time and for any reason, to a Contract Worker performing work (including supervision and oversight) under this Agreement.
4. **Consultant Certification.** By executing this Agreement, Consultant certifies that Consultant has read and understands the Background Screening requirements and criteria in this Section and will fully comply with such requirements. Consultant further certifies that any Background Screening information to be furnished to City related to Consultant or its Contract Workers will be complete, current, and accurate. A Contract Worker rejected for work under this Agreement will not be proposed to perform work under other City contracts or engagements without City's prior written approval.
5. **Terms of This Section Applicable to all of Consultant's Contracts and Subcontracts.** Consultant must include the terms of this Section for Contract Worker Background Screening in all contracts and subcontracts for services furnished under this Agreement including, but not limited to, supervision and oversight services.
6. **Materiality of Background Screening Requirements: Indemnity.** The Background Screening requirements of this Section are material to City's entry into this Agreement and any breach of this Section by Consultant will be deemed a material breach of this

Agreement. In addition to the indemnity provisions set forth in this Agreement, Consultant must defend, indemnify, and hold harmless City for any and all Claims arising out of this Background Screening Section including, but not limited to, the disqualification of a Contract Worker by Consultant or City for failure to satisfy this Section.

Continuing Duty, Audit. Consultant's obligations and requirements that Contract Workers satisfy this Background Screening Section will continue throughout the entire term of this Agreement. Consultant must notify City immediately of any change to a Background Screening of a Contract Worker previously accepted by City. Consultant must maintain all records and documents related to all Background Screenings and City reserves the right to audit Consultant's compliance with this Section under the terms of this Agreement.

EXHIBIT "E"
SUBCONSULTANT DOCUMENTS WITH CONSULTANT

Any subconsultant assumptions, clarifications, exclusions, terms & conditions, signature blocks, etc. included are strictly between the Consultant and their subconsultants, and do not apply to the Agreement between the Consultant and the City.

ATTACHMENT A
(AIMS COMPANIES-UTILITY
POTHOLING)

AZ - ROC320843	 2816 N 27th Ave Phoenix AZ 85009	MSHA - Q730
AZ - ROC243193		NASSCO Certified
AZ - ROC317294		NACE Level II
Net 30		OSHA 10/30

Customer: Kimley-Horn	Project: ST2503 Kyrene REV1
Contact: Ryan Marks	Date: 11-26-2025
Location: Chandler, AZ	Proposal #:

<i>Hydro-Blasting</i>	<i>Confined Space Entry</i>	<i>LEAD Abatement</i>	<i>Pipeline CCTV</i>	<i>Crossbore Inspection</i>
<i>Wet/Dry Vacuum</i>	<i>Commercial Painting</i>	<i>Tank Cleaning</i>	<i>Pipeline Cleaning</i>	<i>Sludge Pumping</i>
<i>Hydro-Excavation</i>	<i>Media Blasting</i>	<i>Flameless Cutting</i>	<i>3D optical scanning</i>	<i>GIS Mapping</i>

Proposed services	Unit	Rate	Qty	Total
Pothole Locates, backfill, and reinstatement.	EA	\$ 915.00	275	\$251,625.00

Port to Port	Estimated Total	\$251,625.00
--------------	-----------------	--------------

Qualifications:
 AIMS assumes direct and uninterrupted access to 10 Potholes per shift. Aims will Bill O/T rates after 8 hours per day, as well as **weekends** and holidays. **These rates do not cover Certified Payroll / Prevailing Wages.** Payment terms are net 30. No retention withheld.

Exclusions:
 AIMS is not responsible for any construction fees, permits or testing of material. Proposal structure is subject to change based on any SOW revisions received after proposal submittal.

Details:
 Estimated durations vary on each project. All T&M assignments are a 4 Hour minimum each day.

Proposal submitted by: JP Belt Branch Manager jpbelt@aimscompanies.com 775-901-3738	Proposal accepted by:
	Printed Name:
	Date:
	Purchase Order:
	Signature

ATTACHMENT B

**(S&F LAND SERVICES-
SURVEY AND RIGHT-OF-
WAY)**

S&F Land Services

Your Proven Geospatial Partner

1550 E Maryland Ave, Suite 1 - Phoenix, AZ 85014 | 602-805-8921
info@sflands.com - www.sflands.com

November 24, 2025

Kimley-Horn

Attn: Chad Huber

Email: Chad.Huber@kimley-horn.com

Phone: 602 837 5511

RE: Kyrene Road – Survey Proposal

Mr. Huber,

On behalf of S&F Land Services, I am pleased to submit this proposal to provide professional surveying services for Kyrene Road project, as shown on the enclosed Exhibit A.

Scope of Work:

1. Topographic Survey:
 - a. See limits of survey outlined in **PURPLE** on enclosed Exhibit A
 - b. Full topographic survey for design
 - i. Improvements
 - ii. All planimetric features
 - iii. Surface data to create contours at 1' intervals
 - c. Utilities:
 - i. Above ground evidence of utilities
 - ii. Structures (manholes/catch basins): pipe inverts, size, direction and material
 - iii. Kimley Horn will place utility locate marks – S&F will survey and map these marks.
 - d. *Trees: Individual tree mapping is NOT a part of this Task
2. Monument Recovery:
 - a. Search and survey centerline monuments and other Section corners.
 - b. This scope does NOT include searching for ALL subdivision Lot corner monuments.
 - c. This scope does NOT include right-of-way computations/surveying.
3. Stake Right-of-Way:
 - a. Stake approximately 75 right-of-way positions.
 - b. Set hub and lathe/flagging at each location.
 - c. Locations to be computed and provided by Kimley Horn.
 - d. ASSUMPTION: The site will be ready for all staking within two requests/mobilizations.

Assumptions:

- i. **NOT** included in this scope of work (these can be added if required)
 - a. Boundary/ROW survey computations
 - b. Easement mapping
 - c. Trees: Mapping individual trees
- ii. Underground Utilities:
 - a. S&F assumes no responsibility for the accuracy of the delineation of underground utilities by utility locating firms and/or the respective utility owners, nor for the existence of any buried objects. All utility locations should be field verified prior to construction.
- iii. S&F will have unobstructed access to the subject property to complete the above scope of work.
- iv. DATUM: Horizontal Datum will be State Plane Coordinates or as otherwise directed. Vertical Datum will be per the jurisdiction in which the project is located or as otherwise directed.

Deliverables:

- i. AutoCAD .dwg drawing file.

S&F Land Services

1550 E Maryland Ave, Suite 1 - Phoenix, AZ 85014 | 602-805-8921
info@sflands.com - www.sflands.com

Your Proven Geospatial Partner

Schedule:

- i. S&F will commence fieldwork once utility locates have been placed.
- ii. Deliverables can be furnished approximately 5 week after commencement of fieldwork.

NOTE: A more aggressive schedule may be available

Fees:

The fees for the scope of services as described above will be on a fixed fee basis. Additional services requested and approved by the Client not described herein will be billed as a Contract Addendum.

FEES

1. Topographic Survey	_____	\$34,552
2. Monument Recovery	_____	
3. Stake Right-of-Way		\$4,475

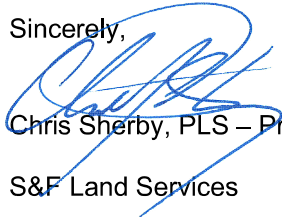
EXPENSES

invoiced at cost plus 10%

- A. Plotting and Shipping (if hard copies requested)

If this proposal is acceptable to you, please sign a copy of this letter and return it to us as our notice to proceed. Signing this document is a promise to pay for services as outlined above, and acknowledgment of our enclosed terms and conditions. I appreciate the opportunity to provide this proposal for your consideration. If you have any questions or concerns, please feel free to call me at the phone number listed above.

Sincerely,



Chris Sherby, PLS – Principal

S&F Land Services

_____ (Date Accepted)

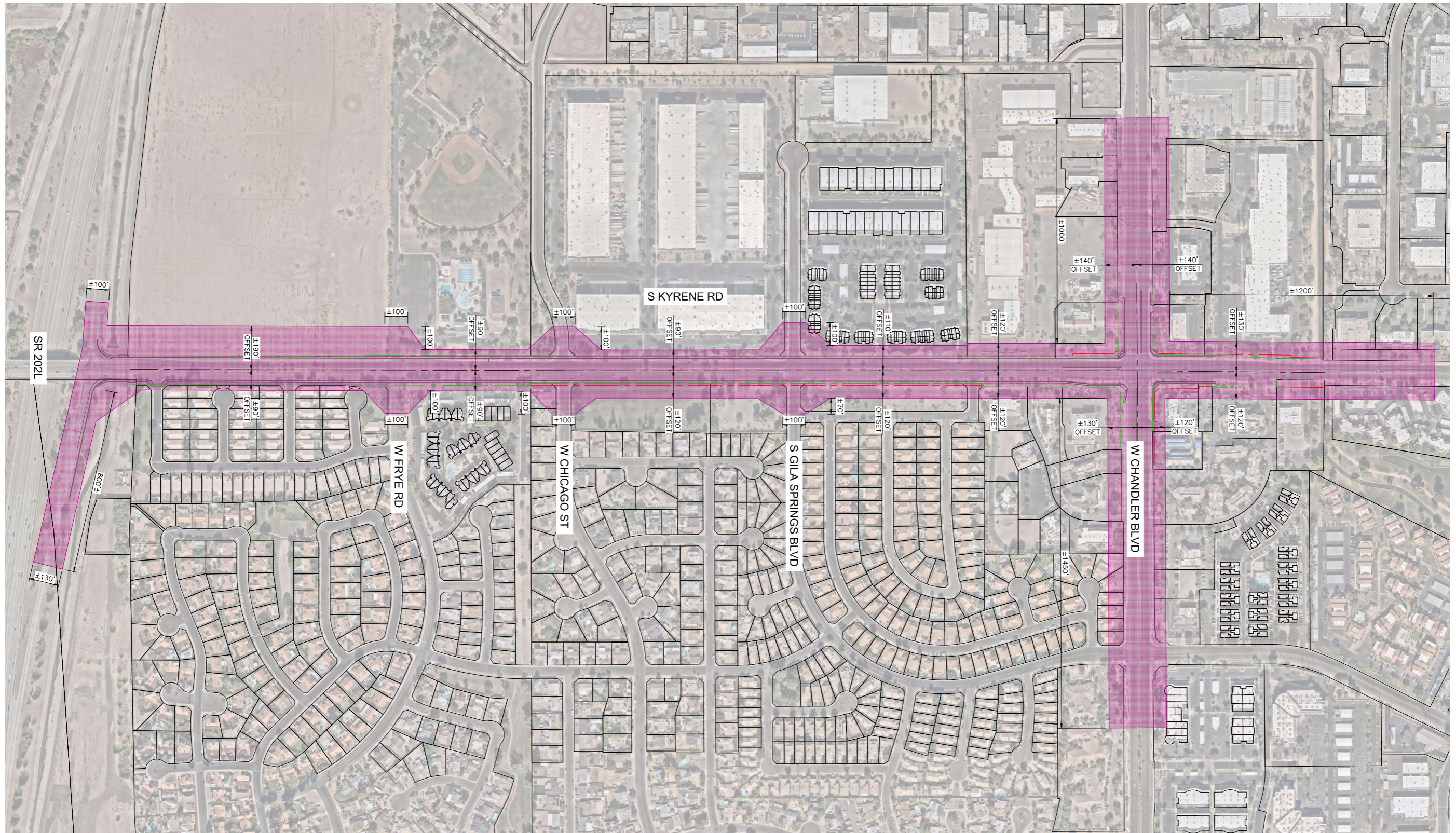
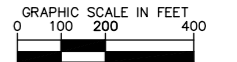
_____ (Signature)

_____ (Name)

_____ (Title)



CITY OF CHANDLER
KYRENE RD - 202L TO CHANDLER BLVD
SURVEY REQUEST EXHIBIT
REVISED 11/24/25



K:\PHX_RoadwayMarketing\A - Cities\Chandler\2024 - Kyrene Rd - 202L to Chandler Blvd\CAD\Kyrene Road - Survey Request Exhibit.dwg Nov 24, 2025 Ryan.Marks
XREFS - XREF - All - 3 - x30W - Erccin - Xref.dwg

ATTACHMENT C

**(NINYO & MOORE-
GEOTECHNICAL
INVESTIGATIONS)**

October 16, 2025
Proposal No. 12PHX02-06779

Mr. Ryan Marks, PE
Kimley-Horn
7740 North 16th Street, Suite 300
Phoenix, Arizona 85020

Subject: Proposal to Provide Geotechnical Engineering Services
Kyrene Road Improvements
State Route Loop 202 to Chandler Boulevard
Chandler, Arizona
City Project No. ST2503.201

Dear Mr. Marks:

Ninyo & Moore is pleased to submit this proposal to provide geotechnical engineering services for the above-mentioned project. This proposal is based on the information that we received from your office. It outlines our scope of services, project assumptions, anticipated schedule, and estimated fee for this phase of work.

SITE/PROJECT DESCRIPTION

The project consists of the design and construction of improvements to Kyrene Road from State Route Loop 202 to Chandler Boulevard in Chandler Arizona, a distance of about 4,500 linear feet. Kyrene Road is currently a four-lane arterial roadway that provides two lanes in each direction, separated by a raised median with protected left turn pockets. Improvements may include additional lanes, median improvements, bus pads, streetlights, additional pedestrian facilities, landscaping, right-of-way acquisition, and utility relocations. The roadway improvements may include rehabilitation or removal / replacement of the existing pavement section. New underground utilities associated with this project are assumed to extend 10 or less feet deep.

SCOPE OF SERVICES

The scope of services we will perform for the project are summarized below:

- Review available published and in-house geotechnical reports, topographic information, soil surveys, geologic literature, and aerial photographs of the project area.
- Obtain City of Chandler permission to conduct the field work.

- Conduct a field trip to the site for geologic reconnaissance.
- Conduct a site visit to select and mark out the proposed exploration locations.
- Arrange for appropriate traffic control services to be implemented during our field work activities.
- Contact Arizona 811 to evaluate underground utility locations prior to our field work.
- Core the existing pavement at five locations (spaced about 1,000 feet apart) using an electronic core machine. The recovered pavement cores will be measured, photo-documented and evaluated for pavement rehabilitation purposes.
- Perform a geotechnical exploration consisting of drilling, logging, and sampling of five exploratory borings to depths up to 10 feet below ground surface. The borings will be spaced about 1,000 feet apart, logged by a Ninyo & Moore employee and advanced with a truck-mounted drill rig using hollow-stem augers (HSAs).
- Collect soil samples in the borings for laboratory testing and analysis. Ninyo & Moore personnel will log the borings in general accordance with the Unified Soil Classification System and ASTM D2488 by observing cuttings and split-spoon samples. Bulk samples will also be placed in large plastic bags. The soil samples will be transported to a Ninyo & Moore laboratory for testing.
- Backfill the boreholes with drilling spoils and patch the surface of the cored holes with asphalt cold patch material.
- OPTIONAL TASK – Conduct one field percolation test in order to assist in evaluating the infiltration rate at a specific location. The procedure will consist of the insertion of a +/-12-inch diameter impermeable casing into undisturbed soil at the depth of +/-3 feet, followed by prewetting. The test will continue after the prewetting period by refilling the casing and monitoring the drop in water level as a function of time until steady-state conditions are achieved.
- Perform laboratory testing that will evaluate the on-site soil's index, strength, and chemical characteristics.
- Prepare a geotechnical report for the project alignments that will include logs of the exploratory borings and results of the laboratory testing. The report will include a cover letter sealed by a Professional Engineer licensed in the State of Arizona. The report will include the following:
 - Site vicinity map and boring location map;
 - Description of work scope, laboratory, and field procedures;
 - Encountered subsurface soil and groundwater conditions;
 - Geologic hazards;
 - Excavation characteristics of on-site soils;
 - Temporary soil sloping guidelines;
 - Temporary vertical shoring guidelines;

- Bedding;
- Backfilling;
- Earthwork factors;
- Potential for re-use of on-site soils;
- Rehabilitated pavement structural section;
- New pavement structural section; and
- Discussion of soil corrosivity to steel and concrete.

ASSUMPTIONS

We have made the following assumptions in the preparation of this proposal:

- The field work will be performed during daytime hours.
- Field percolation testing is included as an allowance, if needed.
- The work can be accomplished using HSA operating at a normal rate of penetration.
- If auger refusal is encountered, we will terminate the drilling and notify your office.
- Ninyo & Moore will not need to obtain any environmental clearance as a part of this project.

SCHEDULE

We are prepared to initiate this project immediately and could begin the field work within about four weeks after received right-of-entry permission and the fieldwork should be finished within two days. We anticipate issuing our report within about six weeks after the field work is finished. Preliminary geotechnical recommendations can be provided about one week after the field work is done.

ESTIMATED FEE

We propose to perform the work scope described above for an estimated fee of \$19,000; excluding the optional task. We propose to perform the optional work scope described above for an estimated fee of \$2,500 per percolation test. The estimated fee is based on the scope of services presented above and our understanding of the project. We will notify you if any additional services or charges are appropriate. To authorize our services, please sign and return the attached Work Authorization and Agreement.

We look forward to working with you.

Respectfully submitted,
NINYO & MOORE



Steven D. Nowaczyk, PE
Managing Principal Engineer

SDN/tp

Attachment: Work Authorization and Agreement

**ATTACHMENT D
(CA GROUP-SIGNING AND
STRIPING AND COST
ESTIMATE REVIEW)**



Ryan Marks

Kimley-Horn

1661 East Camelback Road, Suite 400

Phoenix, AZ 85016

Subject: Scope and Fee for (1) Striping and Signing plan for Kyrene Road (2) Review of Cost Estimates for the entire Kyrene Road project.

Dear Mr. Marks,

We thank you for the opportunity to be a part of the Kyrene Road project. Attached please find the scope and fee breakdown for performing the following tasks:

1. Striping and Signing design and plan production
2. update to the specifications as required, pertaining to Striping and Signing design
3. review of the cost estimate for the entire project.

The requested fee for performing this task is \$94,770. Please let me know if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Sriram Bala".

Sriram Bala, PE

702-279-5423



i. Task 10.1E: Striping and Signing Plans

1. CA Group to develop preliminary striping and signing plans for this project at the 30% plan stage. CA Group to finalize the traffic signing and striping plans at the 60% plan stage. Subsequent submittals include 95%, 100% and bid set. The Striping and Signing Design Plans shall be produced at 1"= 40' scale and shall include the following sheets:
 - a. General Striping Notes sheet (including striping quantities) (1 sheet)
 - b. General Signing Summary, Notes, and Index (1 sheet)
 - c. Striping and Signing plan sheets < 5 sheets> including 1 for Chandler intersection and 1 for SR 202L
2. The existing sign inventory to be provided by Kimley-Horn.

b. Task 10.3 Cost Estimates

- i. CA Group to complete review of cost estimates for all pay items per the standard specifications and special provisions, except that volumetric measurements shall not be used for pay items, as outlined in the bullets. Kimley-Horn to determine earthwork quantities.
- ii. Excel or PDF format of Cost Estimates review shall be provided with each submittal.
 - At each stage, Kimley-Horn to provide an updated Engineer's Estimate reflecting the current design level of detail. CA Group will review the estimate at each stage (15%, 30%, 60%, 95%, 100%, Bid Set) and provide a markup of the findings and recommendations. The level of review detail will progressively increase as design information, quantities, and pricing become more defined, as outlined in the table below.
 - Early reviews (15%–30%) will emphasize bid-item structure, cost alignment, and phasing considerations, while later reviews (60%–Sealed) will focus on unit-price validation, escalation assumptions, and readiness for bid. This scope assumes review of the entire project corridor as represented in the current 1-mile Kyrene Road improvement limits.



Task	Description	Focus Areas
1 – 15% Cost Estimate Review	Review preliminary Engineer’s Estimate, early pricing assumptions, and major cost drivers. Provide comments on phasing, constructability, and risk considerations.	Preliminary cost review comments.
2 – 30% Cost Estimate Review	Review 30% Engineer’s Estimate and updated plans. Assess expanded bid item detail, and preliminary production assumptions. Identify notable changes or cost variances from the 15% stage. Prepare annotated comments and brief cost summary.	Review comments.
3 – 60% Cost Estimate Review	Evaluate 60% Engineer’s Estimate for alignment with current design progress. Review unit pricing, major pay-item quantities, and constructability impacts.	Review summary and annotated comments.
4 – 95% Cost Estimate Review	Review 95% Engineer’s Estimate for near-final completeness. Validate quantity basis, unit costs, and escalation assumptions. Confirm bid item alignment with specifications. Provide detailed written comments and recommendations.	Comprehensive review comments.
5 – 100% Cost Estimate Review	Review final 100% Engineer’s Estimate. Confirm pricing logic, escalation factors, and internal consistency. Provide final review comments addressing bid-readiness.	Final review comments.
6 – Sealed Cost Estimate Review	Review sealed Engineer’s Estimate submitted for construction documents. Verify that all prior comments were addressed. Ensure final cost and bid items reflect approved design.	

EXHIBIT "B-2a"
Hours and Rates



TASK DESCRIPTION	PM	Sr. Engr./QC	PE/Prof	Engr / Designer	Tech	Admin	< PROJECT ROLE
	\$ 300.00	\$ 260.00	\$ 210.00	\$ 160.00	\$ 150.00	\$ 120.00	< HOURLY
							TOTAL HOURS PER TASK
Task 2.0 Programming & Schematic Design (30%)	4	2	5	10	20	0	41
2.1 Prepare CAD Base Plans	2	2	4	8	20	0	36
2.2 Prepare 30% SD & ROM Cost Estimate	1	0	1	2	0	0	4
2.3 Attend Review Meeting	1	0	0	0	0	0	1
Task 3.0 Design Development (60%)	12	10	15	28	48	0	113
3.1 Prepare 60% CAD Base Plans	2	2	4	12	24	0	44
3.2 Prepare 60% Plans & Outline Specs	8	8	8	12	24	0	60
3.3 Coordinate 60% Cost Estimate	1	0	2	4	0	0	7
3.4 Attend Review Meeting	1	0	1	0	0	0	2
Task 4.0 Construction Documents (95% & 100%)	16	8	31	33	52	6	146
4.1 Prepare 95% CAD Base Drwgs	0	0	4	8	20	0	32
4.2 Prepare 95% Plans & Draft Tech Specs	4	4	8	12	20	0	48
4.3 Coordinate 95% Cost Estimate	1	1	2	4	0	0	8
4.4 Attend 95% Review Meeting	1	0	1	0	0	0	2
4.5 Prepare 100% Plans & Final Tech Specs	4	2	8	8	12	0	34
4.6 100% Deliverables, Plan Review & Permit	4	0	6	0	0	6	16
4.7 Attend 100% Review Meeting	1	0	0	0	0	0	1
4.7 100% Engineer's Cost Estimate	1	1	2	1	0	0	5
Task 5.0 Contractor Coordination / Bidding	2	0	4	0	0	4	10
5.1 Coordinate & Issue Bid Documents	2	0	4	0	0	4	10
	34	20	55	71	120	10	310
	\$ 10,200	\$ 5,200	\$ 11,550	\$ 11,360	\$ 18,000	\$ 1,200	\$ 57,510

EXHIBIT "B-2b"
Hours and Rates



COST ESTIMATE REVIEW	PM	Sr. Engr. /QC	PE/Prof	Engr / Designer	< PROJECT ROLE
	\$ 300.00	\$ 260.00	\$ 210.00	\$ 160.00	< HOURLY
TASK DESCRIPTION					TOTAL HOURS PER TASK
Task 1.0 Engineering Cost Estimate Review (15%)	2	4	6	12	24
Task 2.0 Programming & Schematic Design (30%)	2	6	16	24	48
Task 3.0 Design Development (60%)	2	12	24	32	70
Task 4.0 Construction Documents (95%)	2	8	16	24	50
Task 5.0 Construction Documents (100%)	2	4	8	20	34
Task 6.0 Contractor Coordination / Bidding	1	1	4	8	14
	9	27	58	96	240
	\$ 2,700	\$ 7,020	\$ 12,180	\$ 15,360	\$ 37,260

EXHIBIT "F"
FEDERAL REQUIREMENTS

N/A