DESIGN SERVICES AGREEMENT

THIS AGREEMENT is entered into between the **CITY AND COUNTY OF DENVER** (the "City"), a municipal corporation of the State of Colorado, and **WILSON & COMPANY, INC., ENGINEERS & ARCHITECTS** (the "Design Consultant" or "Consultant"), a Colorado limited liability company, whose address is 1675 Broadway St., Suite 200, Denver, CO 80202.

SECTION 1 – ENGAGEMENT

1.01 Engagement. The City engages the Design Consultant to furnish professional design services for the Project as set forth in this Agreement. The Design Consultant accepts such engagement upon, subject to and in accordance with the terms, conditions and provisions of this Agreement.

1.02 Line of Authority for Contract Administration. The City's Executive Director of Department of Transportation and Infrastructure ("Director") is the City's representative responsible for authorizing and approving the work performed under this Agreement. The Director hereby designates the City Engineer as the Director's authorized representative for the purpose of designating a Project Manager, for the purpose of issuing a written Notice to Proceed and for purposes of administering, coordinating and finally approving the work performed by the Design Consultant under this Agreement. The Project Manager shall be responsible for the day-to-day administration, coordination and approval of work performed by the Design Consultant, except for approvals which are specifically identified in this Agreement as requiring the Director's approval. The Director expressly reserves the right to designate another authorized representative to perform on the Director's behalf by written notice to the Design Consultant.

1.03 Independent Contractor. The Design Consultant is an independent contractor retained to perform professional or technical services for limited periods of time. Neither the Design Consultant nor any of its employees are employees or officers of the City under Chapter 18 of the Denver Revised Municipal Code, or for any purpose whatsoever.

1.04 Scope of Design Consultant's Authority. The Design Consultant shall have no authority to act on behalf of the City other than as expressly provided in this Agreement. The Design Consultant is not authorized to act as a general agent for or to undertake, direct or modify any contracts on behalf of the City. The Design Consultant lacks any authority to bind the City on any contractual matters. Final approval of all contractual matters that purport to obligate the City must be executed by the City in accordance with the City's Charter and the D.R.M.C.

SECTION 2 – DESIGN CONSULTANT'S SERVICES

2.01 General. The Design Consultant shall provide professional design services for the Project in accordance with the terms and conditions of this Agreement. The Design Consultant's basic services shall consist of all of those services described in this Agreement and in **Exhibit A**.

2.02 Professional Responsibility.

(a) All of the work performed by the Design Consultant under this Agreement shall be performed in accordance with the standards of care, skill and diligence provided by competent professionals who perform work of a nature similar to the Work described in this Agreement.

(b) The Design Consultant agrees to strictly conform to and be bound by written standards, criteria, budgetary considerations and memoranda of policy furnished to it by the City and further agrees to design each project in compliance with applicable laws, statues, codes, ordinances, rules and regulations, and industry standards.

(c) All professional services, plans and specifications and other work, or deliverables provided under this Agreement for the Project shall be adequate and sufficient for the proper construction of the Project and its intended purpose.

(d) All drawings, specifications and other products shall be prepared so the Project, when constructed in accordance with such drawings and specifications, is in compliance with all applicable laws, statutes, codes, ordinances, and rules and regulations of the City, the State and the Federal government.

(e) Any design changes required by changes in such applicable laws, statutes, codes, ordinances or rules and regulations of the City, the state or the federal government, which are enacted after the City's acceptance of Construction Documents, defined herein, will be outside the scope of the Design Consultant's basic services and basic fee, and will be compensated for approval as an additional service, subject to the additional services budget for that project.

(f) The Design Consultant shall prepare the plans, specifications and other materials for the Project in a format that complies with all City requirements as well as all state and federal requirements for the Project. No funds will be paid to the Design Consultant for the preparation of contract documents in a form other than that considered usual and customary by the Department of Transportation and Infrastructure. It shall be the responsibility of the Design Consultant to contact the reviewing agencies and determine the acceptable format for the final documents. No documents will be considered final until approved by the City, even though any responsible federal and state agencies have approved such documents.

(g) The City reserves the right to proceed with the construction of the Project using either the City's standard general contractor bidding approach, on call contractors or using construction management techniques. The Design Consultant agrees to organize its Contract Documents for either construction technique and to coordinate the construction documents into selected bid packages, as appropriate. The City will notify the Design Consultant prior to the completion of the Design Development Design Phase which method will be used and the amount of work or the limits of construction to be included in the proposed bid package(s).

(h) The reports, studies, drawings and specifications and other products prepared by the Design Consultant under this Agreement, when submitted by the Design Consultant to the Director and the user agency for any identified phase of the Project, must represent a thorough study and competent solution for the project as per usual and customary professional standards and shall reflect all architectural and engineering skills applicable to that phase of the project.

(i) The responsibilities and obligations of the Design Consultant under this Agreement shall not be relieved or affected in any respect by the presence on the site of any agent, consultant or subconsultant, or an employee of the City.

(j) The Design Consultant shall provide all professional services required by the City in defending all claims against the City, which relate in any way to alleged default

hereunder, errors or omissions of the Design Consultant or its subconsultants, without additional compensation.

2.03 Program and Budget.

(a) The Design Consultant agrees to review the City's program and budget for the Project and further agrees, unless it has timely notified the City that the Project cannot be accomplished within such budget, to accomplish the Project within the intent of the program and established budget. Should the Design Consultant determine that The Project cannot be accomplished within the established budget, the Design Consultant shall immediately notify the City, in writing, so that the project scope or project budget can be reviewed and modified if necessary.

(b) The term "Project Construction Cost" shall mean the estimated cost to the City of actually constructing the Project, but such cost shall not include any Design Consultant's or special consultant's fees or reimbursements or the cost of equipment installed by the City under separate contract, unless the Design Consultant is required by the City to prepare drawings and specifications for such equipment. The initial Project Construction Cost has been provided to the Design Consultant.

(c) The Design Consultant agrees to design the Project within the estimated Project Construction Cost for the Project. Should all responsive bids or proposal received for the Project work provided for in the design exceed such cost, the Design Consultant agrees to redesign the Project at no additional cost to City and, in a manner acceptable to the City.

2.04 Coordination and Cooperation.

(a) The Design Consultant agrees to perform under this Agreement in such a manner and at such times that the City or any Contractor who has work to perform, or contracts to execute, can do so without unreasonable delay.

(b) Coordination with the City and other involved agencies shall be a continuing work item through all phases of each assigned project. Such coordination shall consist of regular progress and review meetings with the City, work sessions with the City's Department of Transportation and Infrastructure, and other user agencies or as otherwise directed by the City. Such coordination may also include field and office reviews of plans and documents as required during the development of the design for any specific project. The Design Consultant shall document all such conferences and distribute notes to the City.

2.05 Personnel Assignments.

(a) The key professional personnel identified in **Exhibit B** will be assigned by the Design Consultant or its subconsultants to perform the services required under this Agreement, as appropriate.

(b) The Design Consultant’s services shall be diligently performed by the regular professional and technical staff of the Design Consultant. In the event the Design Consultant does not have as part of its regular staff certain professional consultants, then such consulting services shall be performed, with City approval, by practicing professional consultants outside of the employ of the Design Consultant.

(c) The Design Consultant agrees, at all times during the term of this Agreement, to maintain on its payroll or to have access to through outside subconsultants,

professional design personnel and technicians in sufficient strength to meet the requirements of the City. Such personnel and technicians shall be of the classifications referenced in **Exhibit B**. The hourly rates specified therein include all costs except those specifically referenced as reimbursables in the appropriate hourly rate schedule.

(d) Prior to designating an outside professional to perform subconsultant work, the Design Consultant shall submit the name of such subconsultant, together with a resume of training and experience in work of like character and magnitude of the project being contemplated, to the City and receive prior approval in writing.

(e) It is the intent of the Parties hereto that all key professional personnel be engaged to perform their specialty for all such services required by this Agreement and that the Design Consultant's and the subconsultant's key professional personnel be retained for the life of this Agreement to the extent practicable and to the extent that such services maximize the quality of work performed hereunder.

(f) If the Design Consultant or a subconsultant decides to replace any of its key professional personnel, the Design Consultant shall notify the Director in writing of the desired change. No such changes shall be made until replacement personnel are recommended by the Design Consultant and approved in writing by the Director, which approval shall not be unreasonably withheld.

(g) If, during the term of this Agreement, the Director determines that the performance of approved key personnel or a subconsultant is not acceptable, she shall notify the Design Consultant and give the Design Consultant the time which the Director considers reasonable to correct such performance. Thereafter, she may require the Design Consultant to reassign or replace such key personnel. If the Director notifies the Design Consultant that certain of its key personnel or a subconsultant should be replaced, Design Consultant will use its best efforts to replace such key personnel or a subconsultant within ten (10) days from the date of the Director's notice.

(h) Neither the Design Consultant nor any subconsultant shall have other interests which conflict with the interests of the City, including being connected with the sale or promotion of equipment or material which may be used on a project to which they may be assigned, and the Design Consultant shall make written inquiry of all of its subconsultants concerning the existence of a potential for such conflict. In unusual circumstances, and with full disclosure to the City of such conflict of interest, the City, in its sole discretion, may grant a written waiver for the particular consultant or subconsultant.

(i) Actions taken by the City under this Article shall not relieve the Design Consultant of its responsibility for contractual or professional deficiencies, errors or omissions.

(j) The Design Consultant shall submit to the Director a list of any additional key professional personnel who will perform work under this Agreement within thirty (30) days after this Agreement has been executed, together with complete resumes and other information describing their ability to perform the tasks which may be assigned. Such additional personnel must be recommended by the Design Consultant and approved by the Director before they are assigned to a specific project.

(k) The Director shall respond to the Design Consultant's written notice regarding replacement of key professional personnel within fifteen (15) days after the Director

receives the list of changes. If the Director or his designated representative does not respond within that time, the changes shall be deemed to be approved.

2.06 Basic Services – General.

(a) These services shall be diligently performed by the regular professional and technical staff of the Design Consultant. In the event the Design Consultant does not have as part of its regular staff certain professional consultants, then such consulting services shall be performed, with City approval, by practicing professional consultants outside of the employ of the Design Consultant.

(b) Prior to designating an outside professional to perform work or services under this Agreement, the Design Consultant shall submit the name of such professional, together with a resume of training and experience in work of like character and magnitude as the project being contemplated, to the City and receive prior approval in writing.

(c) All professional consultants and subconsultants must be retained for the life of the Project to the extent practicable, except that acceptable replacements may be substituted with prior written approval from the City as set out in Section 2.05.

(d) The Design Consultant's basic services for the Project shall consist of the phases described below and shall include, but not be limited to, architectural, structural, mechanical, civil and electrical engineering services appropriate to each Project for each phase.

(e) The Design Consultant shall obtain written authorization from the City before proceeding with each phase.

(f) Nothing in this Agreement shall be construed as placing any obligation on the City to proceed with any phase beyond the latest phase authorized in writing by City.

(g) The responsibilities and obligations of the Design Consultant under this Agreement shall not be relieved or affected in any respect by the presence on the site of any agent, consultant, subconsultant, or employee of the City.

2.07 Basic Services - Phase Specific. In the interest of tracking progress towards completion of all work items necessary to complete the Project specified herein, the required Basic Services tasks which must be performed on each Project have been separated into phases. As applicable for the Project, the Design Consultant shall satisfactorily complete all work necessary to complete each phase as specifically set out in **Exhibit A**.

2.08 Additional Services.

(a) If the Design Consultant performs services in addition to its Basic Services, as a result of material changes in the Project or due to other circumstances beyond the Design Consultant's control, and if such services (1) are pre-approved in writing; (2) will not cause the total compensation payable to the Design Consultant to exceed the Maximum Contract Amount; and (3) are not occasioned by any neglect, breach or default of the Design Consultant, then the Design Consultant will be reimbursed its pre-approved cost for performance of such service(s).

(b) Before providing any such services, the Design Consultant first shall file with the City, and secure the City's written approval of, a complete description of the proposed services including an estimate of the maximum cost of any and all such services, on the basis set out in **Exhibits A and B**, of rates per hour, per day, or other basis of cost. Such description shall

also include a statement from the Design Consultant that the maximum cost of such services will not cause the total amount payable to the Design Consultant under this Agreement to exceed the maximum contract amount. In no event shall any form of authorization or pre-approval of additional services be deemed valid or binding upon either the City or the Design Consultant if the maximum cost of such services would cause the aggregate amount payable under this Agreement to exceed the maximum contract amount. Payment for additional services shall not, in any event, exceed the cost estimated by the Design Consultant and approved in writing by the City.

(c) The cost of such additional service shall be deemed to be the lesser of the estimated maximum cost or:

(1) The actual time card cost of all design personnel including principal designer's time at the rates as set out in **Exhibit B**;

(2) The actual cost to the Design Consultant for other necessary outside services, such as structural, mechanical or electrical engineering performed by independent consultants; and

(3) The Design Consultant's actual reproduction cost for drawings.

(d) The Design Consultant shall maintain an accurate and acceptable cost accounting as to all such additional expenses and shall make available to the City all records, canceled checks and other disbursement media to substantiate any and all requests for payment for additional services.

(e) Payment to the Design Consultant for such additional services shall not, in any event, exceed the maximum additional services amount set forth in Section 3.

2.09 Surveying and Testing.

(a) The Design Consultant shall obtain all necessary surveying, tests and reports to properly design and administer the construction of each project, including, but not limited to, soils and hazardous materials testing. The Design Consultant shall be responsible for the accuracy, adequacy and content of such tests, surveying and reports.

(b) The Design Consultant and its appropriate subconsultant shall review all survey and test results reports and shall follow the recommendation of the soils engineer or other subconsultant unless, in the exercise of appropriate professional judgment, the Design Consultant or appropriate subconsultant discovers, or should in the exercise of professional judgment discover, factors indicating the report or results are not reliable.

(c) If any such inadequacy or any inconsistency, based upon such exercise of professional judgment, is noted the Design Consultant and/or its appropriate subconsultant shall report such inconsistency or inadequacy promptly to the City and require such inadequacy or inconsistency to be addressed by the soils engineer, testing laboratory or land surveyor before any further use is put to the data.

(d) The Design Consultant shall require all surveying, engineering and testing entities it selects to carry and maintain Comprehensive Auto Liability and Property Damage Insurance, General Commercial Liability and Property Damage Insurance and Professional Errors and Omissions coverage as required by the City's Office of Risk Management which will adequately protect the interests of the City and third parties from the acts and omissions of the testing entity.

(e) The amount of surveying or testing, the cost, and the types of reports required must be approved by the Director prior to the Design Consultant actually ordering any such work to be accomplished. Such approvals by the City shall be for purposes of compensation only and shall not relieve the Design Consultant of any responsibility for determining the scope and amount of surveying and testing necessary for the design of the project.

(f) It is understood and agreed that this Agreement does not include the investigation, sampling, testing, planning, abatement design, and remediation management of asbestos or other hazardous waste material. Should the presence of asbestos or other hazardous waste material be known to exist on a specific project or if the Design Consultant shall observe the presence of asbestos or hazardous waste material on any project site during its performance of services under this Agreement, the Design Consultant shall notify the City in writing immediately.

(g) Payment to the Design Consultant for such surveying, testing, and abatement shall not exceed the surveying and testing budget set forth in the project specific proposal for each project.

2.10 Compliance with M/WBE Requirements.

(a) This Agreement is subject to Article III, Divisions 1 and 3 of Chapter 28, Denver Revised Municipal Code ("D.R.M.C."), designated as §§ 28-31 to 28-40 and 28-51 to 28-90 (the "MWBE Ordinance") and any Rules or Regulations promulgated pursuant thereto. The contract goal for MWBE participation the Consultant has committed to for this Agreement **is 30%, see Exhibit D.**

(b) Under § 28-68 D.R.M.C., the Consultant has an ongoing, affirmative obligation to maintain for the duration of this Agreement, at a minimum, compliance with its originally achieved level of MWBE participation upon which this Agreement was awarded, unless the City initiates a material alteration to the scope of work affecting MWBEs performing on this Agreement through contract amendment, or other contract modifications, or as otherwise described in § 28-70 D.R.M.C. The Consultant acknowledges that:

(1) If directed by DSBO, the Consultant is required to develop and comply with a Utilization Plan in accordance with § 28-63 D.R.M.C. Along with the Utilization Plan requirements, the Consultant must establish and maintain records and submit regular reports, as directed by DSBO, which will allow the City to assess progress in complying with the Utilization Plan and achieving the MWBE participation goal. The Utilization Plan is subject to modification by DSBO.

(2) If contract modifications are issued under the Agreement, the Consultant shall have a continuing obligation to immediately inform DSBO in writing of any agreed upon increase or decrease in the scope of work of such contract, upon any of the bases discussed in § 28-70, D.R.M.C., regardless of whether such increase or decrease in scope of work has been reduced to writing at the time of notification.

(3) If amendments or other contract modifications are issued under the contract that include an increase in the scope of work of this Agreement, which increases the dollar value of the contract, whether or not such change is within the scope of work designated for performance by an MWBE at the time of contract

award, such amendments or modifications shall be immediately submitted to DSBO for notification purposes.

(4) Those amendments or other modifications that involve a changed scope of work that cannot be performed by existing project subconsultants are subject to the original goal. The Consultant shall satisfy the goal with respect to such changed scope of work by soliciting new MWBEs in accordance with § 28-70, D.R.M.C. The Consultant must also satisfy the requirements under §§ 28-64 and 28-73, D.R.M.C., with regard to changes in scope or participation. The Consultant shall supply to the DSBO Director all required documentation described in §§ 28-64, 25-70, and 28-73 D.R.M.C., with respect to the modified dollar value or work under the contract.

(5) For contracts of one million dollars ($1,000,000.00) and over, the Consultant is required to comply with § 28-72, D.R.M.C., as applicable, regarding prompt payment to MWBEs. Payment to MWBE subcontractors shall be made by no later than thirty-five (35) days after receipt of an MWBE subcontractor invoice.

(6) Failure to comply with these provisions may subject the Consultant to sanctions set forth in § 28-76 of the MWBE Ordinance.

(7) Should any questions arise regarding DSBO requirements, the Consultant should consult the MWBE Ordinance or may contact the Project's designated DSBO representative at (720) 913-1999.

SECTION 3 – COMPENSATION, PAYMENT, AND FUNDING

The City shall compensate the Design Consultant for its service performed and expenses incurred under this Agreement as follows.

3.01 Fee for basic services. The City agrees to pay the Design Consultant, as full compensation for its basic services rendered hereunder, a fee not to exceed **ONE MILLION THREE HUNDRED THIRTY FOUR THOUSAND EIGHTY EIGHT DOLLARS AND ZERO CENTS ($1,334,088.00)**, in accordance with the billing rates and project budget stated in **Exhibits A and B**. The amounts budgeted for phases may be increased or decreased, and the amounts allocated for services and expenses adjusted, upon written approval of the Director or his designee, and subject to the Maximum Contract Amount stated in this Section 3.

3.02 Reimbursable Expenses. Except for those reimbursable expenses specifically identified in **Exhibit A**, or approved in writing by the City as reasonably related to or necessary for the Design Consultant's services, all other expenses shall be included in the Design Consultant's fee and will not be reimbursed hereunder. The maximum amount to be paid for all reimbursable expenses under this Agreement is **FORTY-EIGHT THOUSAND ONE HUNDRED FORTY-SIX DOLLARS AND ZERO CENTS ($48,146.00)** unless an additional amount is approved by the Director or his designee in writing, subject to the Maximum Contract Amount stated herein. Unless this Agreement is amended in writing according to its terms to increase the Maximum Contract Amount, any increase in the maximum amount of reimbursable expenses will reduce the Design Consultant's maximum fee amount accordingly.

3.03 Additional Services. If pre-approved additional services are performed by the Design Consultant, the City agrees to pay the Design Consultant for such additional services in

accordance with Section 2.08. The maximum amount to be paid by the City for all additional services under this contract is **THIRTY-FIVE THOUSAND DOLLARS AND ZERO CENTS ($35,000.00)**.

3.04 Invoicing and Payment. The City will make monthly progress payments for all services performed under this Agreement based upon the Design Consultant's monthly invoices. Such invoices shall be in a form acceptable to the City and shall include detail of the time worked by the Design Consultant's own personnel, billings from subcontractors, and all other information necessary to assess the Design Consultant's progress. Invoices shall be accompanied by documentation of expenses for which reimbursement is sought, and all other supporting documentation required by the City. The City's Prompt Payment Ordinance, §§ 20-107 to 20-118, D.R.M.C., applies to invoicing and payment under this Agreement. Final Payment to the Design Consultant shall not be made until after the Project is accepted, and all certificates of completion, record drawings and reproducible copies are delivered to the City, and the Agreement is otherwise fully performed by the Design Consultant. The City may, at the discretion of the Director, withhold reasonable amounts from billing and the entirety of the final payment until all such requirements are performed to the satisfaction of the Director. However, no deductions shall be made from the Design Consultant's compensation on account of penalty, liquidated damages or other sums withheld from payments to contractor(s).

3.05 Maximum Contract Amount.

(a) Notwithstanding any other provision of the Agreement, the City's maximum payment obligation will not exceed **ONE MILLION FOUR HUNDRED SEVENTEEN THOUSAND TWO HUNDRED THIRTY-FOUR DOLLARS AND ZERO CENTS ($1,417,234.00)** (the "Maximum Contract Amount"). The City is not obligated to execute an Agreement or any amendments for any further services, including any services performed by Design Consultant beyond that specifically described in **Exhibit A**. Any services performed beyond those set forth therein are performed at Design Consultant's risk and without authorization under the Agreement.

(b) The City's payment obligation, whether direct or contingent, extends only to funds appropriated annually by the Denver City Council, paid into the Treasury of the City, and encumbered for the purpose of the Agreement. The City does not by the Agreement irrevocably pledge present cash reserves for payment or performance in future fiscal years, and the Agreement does not and is not intended to create a multiple-fiscal year direct or indirect debt or financial obligation of the City.

(c) The Design Consultant understands and agrees that the provision of any services by the Design Consultant, which would cause the total amount payable to the Design Consultant to exceed the amount of previously appropriated and encumbered funds, is strictly prohibited. In the event the continuation of services by the Design Consultant would cause the amount payable to the Design Consultant to exceed such amounts, the Design Consultant agrees to give to the Project Director at least two (2) weeks notice of the exhaustion of available funds. In the event additional funds are not made available within such two (2) week period, the Design Consultant agrees to stop providing services until such time as additional funds are appropriated and encumbered for the purposes of the Agreement and amounts which remain available for payment to the Design Consultant.

SECTION 4 – TERM AND TERMINATION

4.01 Term.

The Agreement will commence on August 1, 2021 and expire on July 31, 2023, unless sooner terminated upon final completion of the Project.

4.02 Termination.

(a) Nothing herein shall be construed as giving the Design Consultant the right to perform the services contemplated under this Agreement beyond the time when its services become unsatisfactory to the Director.

(b) The Director may terminate this Agreement for cause at any time if the Design Consultant's services become unsatisfactory, in the sole discretion of the Director. The City shall have the sole discretion to permit the Design Consultant to remedy the cause of a contemplated termination for cause without waiving the City's right to terminate the Agreement.

(c) In the event of a termination for cause, or in the event the Design Consultant becomes unable to serve under this Agreement, the City may take over work to be done under this Agreement and prosecute the work to the completion by contract or otherwise, and the Design Consultant shall be liable to City for all reasonable cost in excess of what the City would have paid the Design Consultant had there been no termination for cause.

(d) The City may, for convenience, cancel and terminate this Agreement by giving not less than thirty (30) days' prior written notice to the Design Consultant, which notice shall state the date of cancellation and termination.

(e) If the Design Consultant's services are terminated, postponed or revised, or if the Design Consultant shall be discharged before all the work and services contemplated have been completed, or if the project is, for any reason, stopped or discontinued, the Design Consultant shall be paid only for the portion of work or services which has been satisfactorily completed at the time of such dismissal, termination, cancellation, postponement, revision or stoppage.

(f) All drawings, specifications, and other documents relating to the design or administration of work completed or partially completed shall be delivered by the Design Consultant to the City in the event of any dismissal, termination, cancellation, postponement, revision or stoppage.

(g) In the event of any dismissal, termination, cancellation, postponement, revision or stoppage, the Design Consultant shall cooperate in all respects with the City. Such cooperation shall include, but not be limited to, delivery of drawings, specifications, and other documents referred to herein, and assisting the City during a transition to another Design Consultant, if applicable.

SECTION 5 – GENERAL PROVISIONS

5.01 City's Responsibilities.

(a) The City shall provide available information regarding its requirements for each project, including related budgetary information, and shall cooperate fully with the Design Consultant at all times. However, the City does not guarantee the accuracy of any such information and assumes no liability therefore. The Design Consultant shall notify City in writing of any

information or requirements provided by the City which the Design Consultant believes to be inaccurate or inappropriate to the design or construction of the project.

(b) If the City observes or otherwise becomes aware of any fault or defect in the project or non-conformance with Contract Documents, it shall give prompt notice thereof to Design Consultant.

5.02 Ownership of Documents.

(a) The City shall have title and all intellectual and other property rights, in and to all phased and final Design documents, and all data used in the development of the same, including the results of any tests, surveys or inspections at the Project site, and all photographs, drawings, drafts, studies, estimates, reports, models, notes and any other materials or work products, whether in electronic or hard copy format, created by the Design Consultant pursuant to this Agreement, in preliminary and final forms and on any media whatsoever (collectively, the "Documents"), whether the Project for which the Documents were created is executed or not. The Design Consultant shall identify and disclose, as requested, all such Documents to the City.

(b) To the extent permitted by the U.S. Copyright Act, 17 USC § 101 et seq., as the same may be amended from time to time, the Documents are a "work made for hire," and all ownership of copyright in the Documents shall vest in the City at the time the Documents are created. To the extent that the Documents are not a "work made for hire," the Design Consultant hereby assigns and transfers all right, title and interest in and to the Documents to the City, as of the time of the creation of the Documents, including the right to secure copyright, patent, trademark, and other intellectual property rights throughout the world and to have and to hold such copyright, patent, trademark, and other intellectual property rights in perpetuity.

(c) The Design Consultant shall provide (and cause its employees and subcontractors to provide) all assistance reasonably requested in securing for the City's benefit any patent, copyright, trademark, service mark, license, right or other evidence of ownership of such Documents, and shall provide full information regarding the Documents and execute all appropriate documentation in applying for or otherwise registering, in the City's name, all rights to such Documents.

(d) The Design Consultant agrees to allow the City to review any of the procedures used in performing the work and services hereunder, and to make available for inspection the field notes and other documents used in the preparation for and performance of any of the services performed hereunder.

(e) The Design Consultant shall be permitted to retain reproducible copies of all of the Documents for the information and reference, and the originals of all of the Documents, including all CAD disks, shall be delivered to the City promptly upon completion thereof, or if authorized by the City's Project Manager, upon termination or expiration of this Agreement.

5.03 Taxes and Licenses. The Design Consultant shall promptly pay, when they are due, all taxes, excises, license fees and permit fees of whatever nature applicable to the work and services which it performs under this Agreement, and shall take out and keep current all required municipal, county, state or federal licenses required to perform its services under this Agreement. The Design Consultant shall furnish the Director, upon request, duplicate receipts or other satisfactory evidence showing or certifying to the proper payment of all required licenses and/or registrations and taxes. The Design Consultant shall promptly pay all owed bills, debts and

obligations it incurs performing work under this Agreement and shall not allow any lien, verified claim, mortgage, judgment or execution to be filed against land, facilities or improvements owned or beneficially owned by the City as a result of such bills, debts or obligations.

5.04 Examination of Records and Audits. Any authorized agent of the City, including the City Auditor or his or her representative, has the right to access, and the right to examine, copy and retain copies, at City's election in paper or electronic form, any pertinent books, documents, papers and records related to Consultant's performance pursuant to this Agreement, provision of any goods or services to the City, and any other transactions related to this Agreement. Consultant shall cooperate with City representatives and City representatives shall be granted access to the foregoing documents and information during reasonable business hours and until the latter of three (3) years after the final payment under the Agreement or expiration of the applicable statute of limitations. When conducting an audit of this Agreement, the City Auditor shall be subject to government auditing standards issued by the United States Government Accountability Office by the Comptroller General of the United States, including with respect to disclosure of information acquired during the course of an audit. No examination of records and audits pursuant to this paragraph shall require Consultant to make disclosures in violation of state or federal privacy laws. Consultant shall at all times comply with D.R.M.C. 20-276.

5.05 Assignment and Subcontracting. The City is not obligated or liable under this Agreement to any party other than the Design Consultant named herein. The Design Consultant understands and agrees that it shall not assign or subcontract with respect to any of its rights, benefits, obligations or duties under this Agreement except upon prior written consent and approval of the City to such assignment or subcontracting. Any attempt by the Design Consultant to assign or subcontract its rights hereunder without such prior written consent of the City shall, at the option of the City, automatically terminate this Agreement and all rights of the Design Consultant hereunder. Such consent may be granted or denied at the sole and absolute discretion of the City. In the event any such subcontracting shall occur, with the City's approval, such action shall not be construed to create any contractual relationship between the City and such subcontractor, and the Design Consultant named herein shall in any and all events be and remain responsible to the City according to the terms of this Agreement.

5.06 No Discrimination in Employment. In connection with the performance of work under this Agreement, the Consultant may not refuse to hire, discharge, promote or demote, or discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, gender, age, military status, sexual orientation, gender identity or gender expression, marital status, or physical or mental disability. The Consultant shall insert the foregoing provision in all subcontracts.

5.07 Insurance.

(a) **General Conditions:** (Contractor/Consultant) agrees to secure, at or before the time of execution of this Agreement, the following insurance covering all operations, goods or services provided pursuant to this Agreement. (Contractor/Consultant) shall keep the required insurance coverage in force at all times during the term of the Agreement, or any extension thereof, during any warranty period. The required insurance shall be underwritten by an insurer licensed or authorized to do business in Colorado and rated by A.M. Best Company as A-VIII" or better. Each policy shall require notification to the City in the event any of the required policies be canceled or non-renewed before the expiration date thereof. Such written notice shall be sent to

the parties identified in the Notices section of this Agreement. Such notice shall reference the City contract number listed on the signature page of this Agreement. Said notice shall be sent thirty (30) days prior to such cancellation or non-renewal unless due to non-payment of premiums for which notice shall be sent ten (10) days prior. If such written notice is unavailable from the insurer, (Contractor/Consultant) shall provide written notice of cancellation, non-renewal and any reduction in coverage to the parties identified in the Notices section by certified mail, return receipt requested within three (3) business days of such notice by its insurer(s) and referencing the City's contract number. (Contractor/Consultant) shall be responsible for the payment of any deductible or self-insured retention. The insurance coverages specified in this Agreement are the minimum requirements, and these requirements do not lessen or limit the liability of the (Contractor/Consultant). The (Contractor/Consultant) shall maintain, at its own expense, any additional kinds or amounts of insurance that it may deem necessary to cover its obligations and liabilities under this Agreement.

(b) **Proof of Insurance:** (Contractor/Consultant) may not commence services or work relating to the Agreement prior to placement of coverages required under this Agreement. (Contractor/Consultant) certifies that the certificate of insurance attached as **Exhibit C**, preferably an ACORD certificate, complies with all insurance requirements of this Agreement. The City requests that the City's contract number be referenced on the Certificate. The City's acceptance of a certificate of insurance or other proof of insurance that does not comply with all insurance requirements set forth in this Agreement shall not act as a waiver of (Contractor/Consultant)'s breach of this Agreement or of any of the City's rights or remedies under this Agreement. The City's Risk Management Office may require additional proof of insurance, including but not limited to policies and endorsements.

(c) **Additional Insureds:** For Commercial General Liability, Auto Liability and Excess Liability/Umbrella (if required), (Contractor/Consultant) and sub(Contractor/Consultant)'s insurer(s) shall include the City and County of Denver, its elected and appointed officials, employees and volunteers as additional insured.

(d) **Waiver of Subrogation:** For all coverages required under this Agreement, (Contractor/Consultant)'s insurer shall waive subrogation rights against the City.

(e) **Subcontractors and Subconsultants:** All subcontractors and subconsultants (including independent (Contractor/Consultant)s, suppliers or other entities providing goods or services required by this Agreement) shall be subject to all of the requirements herein and shall procure and maintain the same coverages required of the (Contractor/Consultant). (Contractor/Consultant) shall include all such sub(Contractor/Consultant)s as additional insured under its policies (with the exception of Workers' Compensation) or shall ensure that all such subcontractors and subconsultants maintain the required coverages. (Contractor/Consultant) agrees to provide proof of insurance for all such subcontractors and subconsultants upon request by the City.

(f) **Workers' Compensation and Employer's Liability Insurance:** (Contractor/Consultant) shall maintain the coverage as required by statute for each work location and shall maintain Employer's Liability insurance with limits of $100,000 per occurrence for each bodily injury claim, $100,000 per occurrence for each bodily injury caused by disease claim, and $500,000 aggregate for all bodily injuries caused by disease claims.

(g) **Commercial General Liability:** (Contractor/Consultant) shall maintain a Commercial General Liability insurance policy with minimum limits of $1,000,000 for each bodily injury and property damage occurrence, $2,000,000 products and completed operations aggregate (if applicable), and $2,000,000 policy aggregate.

(h) **Automobile Liability:** (Contractor/Consultant) shall maintain Automobile Liability with minimum limits of $1,000,000 combined single limit applicable to all owned, hired and non-owned vehicles used in performing services under this Agreement.

(i) **Professional Liability (Errors & Omissions):** Contractor shall maintain minimum limits of $1,000,000 per claim and $1,000,000 policy aggregate limit. The policy shall be kept in force, or a Tail policy placed, for three (3) years for all contracts except construction contracts for which the policy or Tail shall be kept in place for eight (8) years.

5.08 Defense & Indemnification.

(a) To the fullest extent permitted by law, the Consultant agrees to defend, indemnify, reimburse and hold harmless City, its appointed and elected officials, agents and employees for, from and against all liabilities, claims, judgments, suits or demands for damages to persons or property arising out of, resulting from, or related to the work performed under this Agreement that are attributable to the negligence or fault of the Consultant or the Consultant's agents, representatives, subcontractors, or suppliers ("Claims"). This indemnity shall be interpreted in the broadest possible manner consistent with the applicable law to indemnify the City.

(b) Consultant's obligation to defend and indemnify may be determined after Consultant's liability or fault has been determined by adjudication, alternative dispute resolution, or otherwise resolved by mutual agreement between the parties. Consultant's duty to defend and indemnify City shall relate back to the time written notice of the Claim is first provided to City regardless of whether suit has been filed and even if Consultant is not named as a Defendant.

(c) Consultant will defend any and all Claims which may be brought or threatened against City and will pay on behalf of City any expenses incurred by reason of such Claims including, but not limited to, court costs and attorney fees incurred in defending and investigating such Claims or seeking to enforce this indemnity obligation. Such payments on behalf of City shall be in addition to any other legal remedies available to City and shall not be considered City's exclusive remedy.

(d) Insurance coverage requirements specified in this Agreement shall in no way lessen or limit the liability of the Consultant under the terms of this indemnification obligation. The Consultant shall obtain, at its own expense, any additional insurance that it deems necessary for the City's protection.

(e) This defense and indemnification obligation shall survive the expiration or termination of this Agreement.

5.09 Colorado Governmental Immunity Act. The parties hereto understand and agree that the City is relying upon, and has not waived, the monetary limitations (presently $150,000 per person, $600,000 per occurrence) and all other rights, immunities and protection provided by the Colorado Governmental Immunity Act, C.R.S. § 24-10-101, *et seq.*

5.10 Contract Documents; Order of Precedence. This Agreement consists of Sections 1 through 5, which precede the signature page, and the following attachment, which is incorporated herein and made a part hereof by reference:

Exhibit A	Scope of Work/Budget
Exhibit B	Key Personnel / Rates
Exhibit C	ACORD Certificate of Insurance
Exhibit D	MWBE Utilization Plan

In the event of an irreconcilable conflict between a provision of Sections 1 through 5 and the listed attachments, or between provisions of any attachments, such that it is impossible to give effect to both, the order of precedence to determine which provision shall control to resolve such conflict, is as follows:

Sections 1 through 5
Exhibit A
Exhibit B
Exhibit C
Exhibit D

5.11 When Rights and Remedies Not Waived. In no event shall any payment by the City constitute a waiver of any breach of covenant or default which may then exist on the part of the Design Consultant. No assent, expressed or implied, to any breach of the Agreement shall be held to be a waiver of any later or other breach.

5.12 Governing Law; Venue. This Agreement shall be construed and enforced in accordance with the laws of the State of Colorado, the Charter and Revised Municipal Code of the City and County of Denver, and the ordinances, regulations and Executive Orders enacted or promulgated pursuant to the Charter and Code, including any amendments. The Charter and Revised Municipal Code of the City and County of Denver, as the same may be amended from time to time, are hereby expressly incorporated into this Agreement. Venue for any action arising hereunder shall be in the City and County of Denver, Colorado.

5.13 Conflict of Interest.

(a) The parties agree that no employee of the City shall have any personal or beneficial interest in the services or property described herein, and the Design Consultant further agrees not to hire or contract for services with any employee or officer of the City which would be in violation of the Revised Municipal Code Chapter 2, Article IV, Code of Ethics or Denver City Charter provisions 1.2.9 and 1.2.12.

(b) The Design Consultant agrees that it will not engage in any transaction, activity or conduct that would result in a conflict of interest under this Agreement. The Design Consultant represents that it has disclosed any and all current or potential conflicts of interest. A conflict of interest shall include transactions, activities or conduct that would affect the judgment, actions or work of the Design Consultant by placing the Design Consultant's own interests, or the interests of any party with whom the Design Consultant has a contractual arrangement, in conflict with those of the City. The City, in its sole discretion, shall determine the existence of a conflict of interest and may terminate this Agreement in the event such a conflict exists after it has given

the Design Consultant written notice which describes the conflict. The Design Consultant shall have thirty (30) days after the notice is received to eliminate or cure the conflict of interest in a manner that is acceptable to the City.

5.14 No Third-Party Beneficiaries. Enforcement of the terms and conditions of this Agreement, and all rights of action relating to such enforcement, shall be strictly reserved to the City and the Design Consultant, and nothing contained in this Agreement shall give or allow any claim or right of action by any other or third person under this Agreement. It is the express intention of the parties that any person other than the City or the Design Consultant receiving services or benefits under this Agreement shall be deemed to be an incidental beneficiary only.

5.15 Time is of the Essence. The parties agree that in the performance of the terms, conditions and requirements of this Agreement by the Design Consultant, time is of the essence.

5.16 Taxes, Charges and Penalties. The City and County of Denver shall not be liable for the payment of taxes, late charges, or penalties of any nature except as provided in the City's Prompt Payment Ordinance.

5.17 Proprietary or Confidential Information.

(a) City Information: The Design Consultant acknowledges and accepts that, in performance of it work under the terms of this Agreement, the Design Consultant may have access to Proprietary Data or confidential information which may be owned or controlled by the City and that the disclosure of such data or information may be damaging to the City or third parties. As such, the Design Consultant agrees that all information provided or otherwise disclosed by the City to the Design Consultant be held in confidence and used only in the performance of its obligations under this Agreement. The Design Consultant shall exercise the same standard of care to protect such information as a reasonably prudent Design Consultant would to protect its own proprietary or confidential data. "Proprietary Data" shall mean geographic materials or Geographic Information Systems ("GIS") data owned by the City and County of Denver including but not limited to maps, computer programs, aerial photography, methodologies, software, diagnostics and documents; or any other materials or information which may be designated or marked "Proprietary" or "Confidential" and provided to or made available to the Design Consultant by the City. Such Proprietary Data may be in hardcopy, printed, digital or electronic format.

(b) Design Consultant's Information: The parties understand that all the material provided or produced under this Agreement may be subject to the Colorado Open Records Act, C.R.S. 24-72-201, et seq., and that in the event of a request to the City for disclosure of such information, the City shall advise the Design Consultant of such request in order to give the Design Consultant the opportunity to object to the disclosure of any of its proprietary or confidential material. In the event of the filing of a lawsuit to compel such disclosure, the City will tender all such material to the court for judicial determination of the issue of disclosure and the Design Consultant agrees to intervene in such lawsuit to protect and assert its claims of privilege and against disclosure of such material or waive the same. The Design Consultant further agrees to defend, indemnify and save and hold harmless the City, its officers, agents and employees, from any claim, damages, expense, loss or costs arising out of the Design Consultant's intervention to protect and assert its claim of privilege against disclosure under this Article including, but not limited to, prompt reimbursement to the City of all reasonable attorney fees, costs and damages that the City may incur directly or may be ordered to pay by such court.

5.18 Use, Possession or Sale of Alcohol or Drugs. The Design Consultant, its officers, agents, and employees shall cooperate and comply with the provisions of Executive Order 94 and Attachment A thereto concerning the use, possession or sale of alcohol or drugs. Violation of these provisions or refusal to cooperate with implementation of the policy can result in the City's barring the Design Consultant from City facilities or participating in City operations.

5.19 No Employment of Illegal Aliens to Perform Work Under the Agreement.

(a) This Agreement is subject to Division 5 of Article IV of Chapter 20 of the Denver Revised Municipal Code, and any amendments (the "Certification Ordinance").

(b) The Consultant certifies that:

(1) At the time of its execution of this Agreement, it does not knowingly employ or contract with an illegal alien who will perform work under this Agreement.

(2) It will participate in the E-Verify Program, as defined in § 8-17.5-101(3.7), C.R.S., to confirm the employment eligibility of all employees who are newly hired for employment to perform work under this Agreement.

(c) The Consultant also agrees and represents that:

(1) It shall not knowingly employ or contract with an illegal alien to perform work under the Agreement.

(2) It shall not enter into a contract with a subconsultant or subcontractor that fails to certify to the Consultant that it shall not knowingly employ or contract with an illegal alien to perform work under the Agreement.

(3) It has confirmed the employment eligibility of all employees who are newly hired for employment to perform work under this Agreement, through participation in the E-Verify Program.

(4) It is prohibited from using the E-Verify Program procedures to undertake pre-employment screening of job applicants while performing its obligations under the Agreement, and that otherwise requires the Consultant to comply with any and all federal requirements related to use of the E-Verify Program including, by way of example, all program requirements related to employee notification and preservation of employee rights.

(5) If it obtains actual knowledge that a subconsultant or subcontractor performing work under the Agreement knowingly employs or contracts with an illegal alien, it will notify such subconsultant or subcontractor and the City within three (3) days. The Consultant will also then terminate such subconsultant or subcontractor if within three (3) days after such notice the subconsultant or subcontractor does not stop employing or contracting with the illegal alien, unless during such three-day period the subconsultant or subcontractor provides information to establish that the subconsultant or subcontractor has not knowingly employed or contracted with an illegal alien.

(6) It will comply with any reasonable request made in the course of an investigation by the Colorado Department of Labor and Employment under authority of § 8-17.5-102(5), C.R.S, or the City Auditor, under authority of D.R.M.C. 20-90.3.

(d) The Consultant is liable for any violations as provided in the Certification Ordinance. If Consultant violates any provision of this section or the Certification Ordinance, the City may terminate this Agreement for a breach of the Agreement. If the Agreement is so terminated, the Consultant shall be liable for actual and consequential damages to the City. Any

such termination of a contract due to a violation of this section or the Certification Ordinance may also, at the discretion of the City, constitute grounds for disqualifying Consultant from submitting bids or proposals for future contracts with the City.

5.20 Disputes. All disputes between the City and Design Consultant regarding this Agreement shall be resolved by administrative hearing pursuant to the procedure established by D.R.M.C. § 56-106(b), *et seq*. For the purposes of that procedure, the City official rendering a final determination shall be the Director.

5.21 Waiver of C.R.S. 13-20-802, et seq. The Design Consultant specifically waives all the provisions of Chapter 8 of Article 20 of Title 13, Colorado Revised Statutes (also designated C.R.S. 13-20-802 *et seq.*) relating to design defects in the Project under this Agreement.

5.22 Survival of Certain Contract Provisions. The parties understand and agree that all terms and conditions of this Agreement, together with the exhibits and attachments hereto, which, by reasonable implication, contemplate continued performance or compliance beyond the termination of this Agreement, (by expiration of the term or otherwise), shall survive such termination and shall continue to be enforceable as provided herein. Without limiting the generality of the foregoing, the Design Consultant's obligations for the provision of insurance and to indemnify the City shall survive for a period equal to any and all relevant statutes of limitation, plus the time necessary to fully resolve any claims, matters, or actions begun within that period."

5.23 Advertising And Public Disclosure. The Design Consultant shall not include any reference to this Agreement or to services performed pursuant to this Agreement in any of its advertising or public relations materials without first obtaining the written approval of the Director, which will not be unreasonably withheld. Any oral presentation or written materials related to services performed under this Agreement shall include only services that have been accepted by the City. The Director shall be notified in advance of the date and time of any such presentation. Nothing in this provision shall preclude the transmittal of any information to officials of the City, including without limitation the Mayor, the Director, City Council or the Auditor.

5.24 Legal Authority. Design Consultant represents and warrants that it possesses the legal authority, pursuant to any proper, appropriate and official motion, resolution or action passed or taken, to enter into this Agreement. Each person signing and executing this Agreement on behalf of Design Consultant represents and warrants that he has been fully authorized by Consultant to execute this Agreement on behalf of Design Consultant and to validly and legally bind Design Consultant to all the terms, performances and provisions of this Agreement. The City shall have the right, in its sole discretion, to either temporarily suspend or permanently terminate this Agreement if there is a dispute as to the legal authority of either Design Consultant or the person signing the Agreement to enter into this Agreement.

5.25 Notices. Notices, bills, invoices or reports required by this Agreement shall be sufficiently delivered if sent in the United States mail, postage prepaid, to the Parties at the following addresses:

to the City:
Executive Director of Department of Transportation and Infrastructure
201 West Colfax Avenue, Dept. 608
Denver, Colorado 80202

to the Design Consultant:
Wilson & Company, Inc., Engineers & Architects
1675 Broadway Street, Suite 200
Denver, CO 80202

The addresses may be changed by the Parties by written notice.

5.26 Severability. It is understood and agreed by the parties hereto that, if any part, term, or provision of this Agreement, except for the provisions of this Agreement requiring prior appropriation and limiting the total amount to be paid by the City, is by the courts held to be illegal or in conflict with any law of the State of Colorado, the validity of the remaining portions or provisions shall not be affected, and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term or provision held to be invalid.

5.27 Agreement as Complete Integration-Amendments. This Agreement is intended as the complete integration of all understandings between the parties. No prior or contemporaneous addition, deletion or other amendment shall have any force or effect, unless embodied herein in writing. No subsequent novation, renewal, addition, deletion or other amendment hereto shall have any force or effect unless embodied in a written amendatory or other agreement executed by the parties and signed by the signatories to the original Agreement. This Agreement and any amendments shall be binding upon the parties, their successors and assigns.

5.28 Electronic Signatures and Electronic Records. Design Consultant consents to the use of electronic signatures by the City. The Agreement, and any other documents requiring a signature hereunder, may be signed electronically by the City in the manner specified by the City. The Parties agree not to deny the legal effect or enforceability of the Agreement solely because it is in electronic form or because an electronic record was used in its formation. The Parties agree not to object to the admissibility of the Agreement in the form of an electronic record, or a paper copy of an electronic document, or a paper copy of a document bearing an electronic signature, on the ground that it is an electronic record or electronic signature or that it is not in its original form or is not an original.

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Contract Control Number: DOTI-202159138-00
Contractor Name: WILSON & COMPANY, INC., ENGINEERS & ARCHITECTS

IN WITNESS WHEREOF, the parties have set their hands and affixed their seals at Denver, Colorado as of:

SEAL

CITY AND COUNTY OF DENVER:

ATTEST:

By: _____

_____

APPROVED AS TO FORM:

Attorney for the City and County of Denver

By: _____

REGISTERED AND COUNTERSIGNED:

By: _____

By: _____

Contract Control Number: DOTI-202159138-00
Contractor Name: WILSON & COMPANY, INC., ENGINEERS & ARCHITECTS

By: _____

Name: Michael King
(please print)

Title: Senior Vice President
(please print)

ATTEST: [if required]

By: _____

Name: Scott Waterman
(please print)

Title: Vice President
(please print)

SCOPE OF WORK

PROFESSIONAL SERVICES FOR
PROFESSIONAL ENGINEERING DESIGN SERVICES
FOR JEWELL / EVANS STATION BICYCLE AND
PEDESTRIAN BRIDGE PROJECT

Project Control No. GO2018 Bond 2020-028
EBid Document No. 7363904

PROJECT GOALS

The goals bulleted below have been established for this project. These goals are aimed at advancing the project to final design, funding, and construction. Implementation will ultimately realize the community's vision for a safe and simple connection across Santa Fe Drive and CML linking the Overland and Ruby Hill neighborhoods.

- Provide a safe crossing over Santa Fe Drive and CML for bicycles and pedestrians in the Jewell Avenue corridor area.
- Progress the vision depicted in the 2019 Jewell / Evans Station Bicycle & Pedestrian Bridge Conceptual Design analysis.
- Develop engineering design concepts that speak to the uniqueness and historic nature of the neighborhoods that is both culturally and functionally relevant and creative.
- Deliver the project's design to a high level of quality, meeting all requirements of the project's scope, budget, and schedule.
- Implement a community information program relevant to Overland and Ruby Hill neighborhoods that capitalizes on the previous work/relationships developed through past planning efforts.
- Provide a solution that is a community asset both visually and functionally.
- Provide a solution that reduces long-term operations and maintenance cost and effort.
- Provide ADA pedestrian accessible connection from the Platte River Trail on the west side of Santa Fe to the Evans Station on the east side of the Consolidated Main Line.
- Delivery of a bridge design that both meets the needs and desire of the community while working within the current funding.

The Design, Preparation of Plans, Specifications and Estimates (PS&E) will be completed in accordance with City standards. The design of the bridge will be in conformance with: MUTCD, the Federal Americans with Disabilities Act (ADA); 2017 Colorado Department of Transportation Standard Specifications for Road and Bridge Construction; RTD Light Rail Design Criteria; UPRR/BNSF Guidelines for Railroad Grade Separation Projects; Colorado Department of Transportation Bridge Design Manual; AASHTO LRFD Guide Specifications for Design of Pedestrian Bridges; AASHTO A Policy on Geometric Design of Highways and Streets; AASHTO Guidelines for Load and Resistance Factor Design; AASHTO Guide for Development of Bicycle Facilities; Denver Moves Bikeway Design Guidelines; and City ordinances, standards, and other requirements.

The scope of work below is organized as follows:

Task 1. Project Management
Task 2. Stakeholder Engagement
Task 3. Data Collection and Analysis
Task 4. 30% Design Submittal
Task 5. 60% Design Submittal
Task 6. 90% Design Submittal
Task 7. 100% Design Submittal
Task 8. Engineer's Opinion of Probable Cost
Task 9. Bid and Construction Support
Task 10. (Ad-Alt) Coordinate with Qualified Contractor to Provide requested Construction Estimation and Constructability Assessment.
Task 11 Connections: Survey and Concept Design

1. Project Management

The City will be the lead agency for the Project and the designated Project Manager will coordinate with necessary stakeholders within the Department of Transportation and Infrastructure. However, because this Project will require cooperation with other agencies, the Consultant shall show a demonstrated ability to interface and coordinate with multiple agencies. In addition to coordination with City staff, the Consultant will be expected to effectively coordinate with the following agencies:

Project design including:

- Colorado Department of Transportation (CDOT)
- Regional Transportation District (RTD)
- Union Pacific Railroad (UPRR)
- Burlington Northern Santa Fe (BNSF)
- State of Colorado Public Utilities Commission (PUC)

The Consultant shall be expected to interface both locally with City staff and other affected agencies as necessary, as well as participate in discussions and presentations with the wider design team at periodic project milestones. In order to ensure a timely progression of the Project from inception to final deliverables, the following activities should be anticipated once the Notice to Proceed (NTP) is authorized and as the Project progresses:

a) Project Kick-off Meeting

The Consultant shall schedule and conduct a Project kick-off meeting within three (3) weeks of NTP to discuss Project details, establish goals, review the Project schedule, and coordinate efforts. City staff will work in conjunction with the Consultant to develop a list of key stakeholders that will make up the Project Management Team (PMT) prior to the Project kick-off meeting. Once the stakeholders are identified, the Consultant shall contact all members of the PMT to coordinate the scheduled meeting date, location, and time. A meeting notice, sign-in sheet, agenda, and meeting minutes (noting all action items) shall be prepared by the Consultant for the kick-off meeting.

Deliverables: Sign-In Sheet, Meeting Agenda and meeting notes with action item list - one (1) electronic file (Adobe PDF) copy and one (1) hardcopy for each of the meeting attendees.

b) PMT Meetings

The Consultant shall coordinate and attend monthly PMT meetings with City staff and stakeholder representatives and at interim periodic Project milestones, as necessary. Meeting agendas and Sign-in sheet for the planned meeting and summaries/notes from the previous meetings shall be prepared by the Consultant for each meeting and distributed to the Project Manager and the other attendees. An action item list and a status of project deliverables shall be updated on an ongoing basis (monthly) and be made available for each PMT meeting.

Deliverables: Proposed meeting schedule, sign-in sheet, meeting agendas and meeting notes with action item list for each monthly PMT Meeting and each periodic milestone meeting – one (1) electronic file (Adobe PDF) copy and one (1) hardcopy for each meeting attendee, for each meeting for the Project duration.

c) Project Schedule

The Consultant shall, within four (4) weeks of NTP, develop and provide a detailed Critical Path Method (CPM) project baseline schedule, indicating milestones, major activities, and deliverables necessary to complete the project, to the City for review and comments. The Consultant shall update the Project Schedule as required and include with each PMT meeting package and monthly progress report.

The anticipated project duration is 15 months.

Deliverables: One (1) electronic file (Adobe PDF) copy of each month's updated Project Schedule for the Project duration.

d) Monthly Progress Reports

The Consultant shall prepare brief monthly progress reports to record ongoing progress on the Project and to support invoices submitted to the City for payment. Reports shall include an explanation of tasks accomplished for the month, deliverables finished/submitted, anticipated tasks/progress for the next month, pending issues and schedule completion target dates (updated Project schedule).

Deliverables: One (1) electronic file (Adobe PDF) copy of each month's Progress Report including a monthly, updated Project schedule for the Project duration.

e) Quality Assurance / Quality Control

The Consultant shall plan for and ensure Quality Assurance and Quality Control (QA/QC) during the life of the Project. The Consultant shall also ensure that all design calculations, deliverables, and other works are independently verified to ensure accuracy. Exhibits and plans shall be checked, corrected, and back checked for accuracy and completeness.

Deliverable: One (1) electronic file (Adobe PDF) copy of final QA/QC Plan.

f) Submittal of Project Deliverables and Formats

The Project deliverables shall be submitted for review by the City, CDOT, RTD, and all other agencies having jurisdiction. All project delivery files and data formats shall be compatible with the City's systems. The PM shall be copied on all correspondence. Submittal milestones for each deliverable package shall be as described below:

- Structures Selection Report
- Environmental Documentation & related studies as required by CCD, CDOT, and RTD
- 30% Preliminary Drawings & Cost Estimate (includes submittal requirements by RTD, CDOT, railroad, and any utility companies)
- 60% Plans, Specifications, & Estimates, and copies of all studies and calculations (includes submittal requirements by RTD, CDOT, railroad, and any utility companies)
- 90% Plans, Specifications, & Estimates, and copies of all studies and calculations (includes submittal requirements by RTD, CDOT, railroad, and any utility companies)
- 100% Plans, Specifications, & Estimates, and copies of all studies and calculations (includes submittal requirements by RTD, CDOT, railroad, and any utility companies)
- Right-of-Way documentation & engineering
- Bid-ready Plans, Specifications, & Estimates
- Permits for Construction, Railroad Agreements, PUC, IGA's, etc.
- Resident Engineer's file
- Record Drawings

Initial submittals shall include all preliminary information needed by plan-check staff at the appropriate agencies to accept a package for review. Underlying data should be provided in AutoCAD (latest version) format geo-referenced to appropriate projection and datum to allow import into a GIS system.

Initial submittals of plans shall be electronic copies. Final submittals shall incorporate all responses to all stakeholders' agency comments within an approved comment response matrix. Electronic files shall be provided for the 60 percent, 90 percent design, and 100 percent design submittals in Adobe PDF format. The 100 percent submittal shall also include the original AutoCAD files, geo-referenced to allow import into a GIS system. Electronic files of all documents shall also be made available on a dedicated FTP site created for this Project and provided by Consultant.

All final surveys, studies, calculations, designs, reports, maps, legal descriptions, plans and specifications shall include all original documents with seals and wet-signed signatures by registered professional land surveyors, engineers, or architects licensed in the State of Colorado.

2. Stakeholder Engagement

The Consultant will develop a public information program relevant to the Overland, Ruby Hill, and adjoining neighborhoods' stakeholders for the design and pre-construction processes. The engagement approach should include innovative methods/activities to maximize input (where appropriate) and convey project information to a diverse range of stakeholders (working, caring for families, etc.). Methods for input should encourage participation from the local stakeholders, pedestrians, bicyclists who will be future users of the bridge crossing. Engagement activities will be conducted equally in English and in Spanish to respond to the needs of the local community. Collaboration with standing stakeholder meetings and events will be encouraged.

- Develop a detailed public information plan/approach for review and input. The plan must identify areas of the design that are appropriate for input and other elements of the project where information and project education are appropriate.
- Identify stakeholders and develop/maintain a comprehensive stakeholder contact/distribution list.
- Provide coordination, logistics, materials (boards, presentations, fact sheets, etc.) for all project engagement and information activities.
- Provide ongoing project communications (such as email blasts, etc.) and coordination with City staff for consolidated social media communications. The specific items to be included are: Social media content;

Develop survey mechanisms; Periodic updates on Councilman Clark's web page; Develop project fact sheet; Direct mail piece to neighbors; Periodic email updates.

- Implement creative, non-traditional engagement/public information methods. The goal is to have input opportunities at varying times of day or weekends to maximize success.
- Conduct at least one project open house meeting at the mid-design stage to engage those stakeholders who prefer a more traditional outreach approach.
- Develop content for the City website in English and Spanish (including regular updates). City staff will be responsible for creating and updating the website based on the content from the Consultant.
- Provide complete translation services (English/Spanish) for all public engagement activities and materials.

3. Data Collection and Analysis

a) Review of Existing Plans, Studies, and Other Relevant Documentation

The Consultant, with the assistance of the PM, shall assemble all available information and reports pertaining to the Project including as-built plans, utility information, aerial maps, survey and right-of-way data, geotechnical reports, traffic analysis, structural analysis reports, environmental and biological studies, and any additional pertinent information for the Project to develop preliminary engineering.

The Consultant shall provide a list of all other reports, plans, studies, documents and information that are needed for the design of the Project. The City will provide copies of all records that are available at the City. For all other records needed for the design of the Project, the Consultant shall be responsible for researching existing reports and obtaining and reviewing all pertinent Project-related data needed to prepare a complete PS&E package.

Consultants are to consider scoping in additional connectivity elements including ADA accessible pedestrian routes from the Platte River Trail on the west side of Santa Fe to the Evans Station on the east side of the Consolidated Main Line. Scoping opportunities exist within the Elevate Denver Citywide Sidewalks project, and other funding sources are to be considered to make this connection.

Deliverables: Document list (matrix) of pertinent information required for the Project – Two (2) hard copies and one (1) electronic file copy in original file format.

b) Field Survey

The Consultant shall review existing documents such as as-built plans and conduct a visual field survey to review and record existing conditions in the Project area to identify any unusual or special conditions that may affect the Project design or construction. This shall include inventory of existing facilities, including but not limited to roadways, irrigation and flood control facilities, utilities, drainage, and existing land use including general land parcel information along the project corridor including City-owned, RTD-owned, CDOT-owned and private land parcels in the Project area.

The Consultant shall also conduct in-depth site analysis of the project area. Tasks includes land survey, geotechnical and environmental investigations, utilities analysis, documentation, subsurface utility engineering as required, and coordination.

1) Land Survey

Project design work includes survey and control establishment. During this phase of design, the Consultant will need to supplement existing information to meet the requirements of this section. These requirements include:

Initiate the field surveys and mapping utilizing survey control previously established for the project for the affected areas. For these activities requiring work on land not controlled by the City, the Consultant will obtain the necessary written permission to enter the premises. The Consultant will plan and provide any required traffic control for the survey, testing, or design process.

Obtain utility location maps from the Utility Companies, which identify utility facility locations in the project area. The field survey will locate utility poles, manholes, valves, pedestals, guy wires, and other visible utility features. Underground utilities will be shown as marked by utility companies. Obtain invert elevations of manholes and vaults. Utility surveys will be accomplished within the ROW limits. Show the horizontal and vertical locations in the preliminary design plans and cross-sections. "Potholing" of utilities will be performed at critical locations. Attend Utility Coordination meetings as requested.

Locate all land monuments such as Primary Control monuments from which the Right of Way or any land boundary will be calculated, described or monumented including Public Land Survey System (PLSS), General Land Office (GLO), Bureau of Land Management (BLM), Mineral Survey (MS), ROW, City Range Points, property boundary, benchmarks, or easements. Perform diligent search within limits of roadway for all existing range points that, if found, shall require preservation during construction. A diligent search will include digging for all original Range Points. If Range Points are not recovered, Range Points will need to be re-established. A Control Diagram similar to the above-mentioned survey will be required. The Control Diagram will need to clearly show existing ROW and the block geometry related to the found or re-established Range Points.

Locate sanitary sewer and storm sewer pipes, manholes and inlets. Determine invert elevations.

Produce a planimetric base map of the project area. Features located will include, but not be limited to topography, located monumentation, physical features, existing right-of-way and property ownership, surface and subsurface features, utilities, irrigation ditches/conduits, lawn irrigation, signs, mailboxes, fences, driveways and/or curb cuts, curbs, sidewalks, structures, and edges of pavements (asphalt and concrete).

2) Geotechnical Investigation

Provide the range of geotechnical reports required to support the 100% design development.

Perform soils and foundation investigations. Perform laboratory tests and provide preliminary foundation and retaining wall design recommendations.

Perform soil corrosivity testing (soluble sulfates, pH, chlorides, and electrical resistivity) and provide recommendations to mitigate corrosion concerns or sulfate related concrete problems.

Prepare a report summarizing all of the above tests, investigations, analyses, calculations and recommendations and submit to the City for acceptance.

Three borings will be taken to bedrock for the bridge foundation recommendations. One boring will be taken at each proposed pier location. In addition, five (5) borings up to 20 feet deep will be taken at each approach ramp location for the access ramps and retaining walls.

It is assumed that no borings will be taken within the railroad right-of-way. Pavement design is not included because it is assumed that only patching will be required within existing roadways, and standard trail pavement sections will be used for the trail.

Initiate and conduct activities necessary to obtain and Permits required for the project.

Prepare a report summarizing all of the above tests, investigations, analyses, calculations and recommendations and submit to the City for acceptance.

3) Environmental Investigations

The Project will span US 85, which is a Colorado Department of Transportation (CDOT) facility and will also be partially within right of way for both CDOT as well as the Regional Transportation District (RTD); therefore, environmental clearances will be necessary. CDOT and RTD have agreed to utilize CDOT's Form 128 for a Categorical Exclusion to enable both agencies to approve the Project. In support of the CDOT Form 128, various technical studies will be prepared. Pinyon assumes that each deliverable will have four rounds of review/revision/comment: the first by Wilson, the second by the City, and the third concurrently by CDOT and RTD.

Assumptions: Wilson will provide up to a scoping level of plans (e.g., 15% that encompasses the maximum project disturbance footprint) as well as a geospatially referenced file (i.e., Google Earth, shapefile, AutoCAD) of the study area so that Pinyon, Wilson, City/CDOT can agree on the study area boundaries prior to any field work being completed. It is assumed that Pinyon will follow Wilson, City/CDOT processes unless otherwise noted. Some deliverables are design dependent as an impact evaluation is required and may not be available until or after design plans have been significantly advanced. After field work is completed, Pinyon will provide geospatial data of the relevant features to Wilson for confirmation that all areas of impact are within the study area and ultimately for impact assessment.

The schedule assumes that all fieldwork would occur when vegetation is growing and can be speciated. Pinyon may be able to do off-season field surveys; however, if not all indicators are present, the survey is likely more conservative than it would be during the growing season. Should the surveys proceed outside the growing season to accommodate the implementation schedule and a regulatory agency requires revisitation during the growing season addition scope and fee will be required.

The following tasks and assumptions were developed using Pinyon's professional judgement, given the information presented in the RFP, and Pinyon's knowledge of the corridor and environmental context. This scope, and associated fee, are preliminary and are subject to final scoping with CDOT and the City. Further, additional revision and/or refinement may be necessary as design advancement and design decisions are made, particularly if changes in the termini or study area change.

Task	Scope of Work Summary	Deliverables
General Project Management	General project management, contract administration, invoicing, and up to 10 meetings including a kick-off meeting, FIR, FOR, and semi-monthly coordination meetings. Pinyon assumes all meetings will be held at either the City or CDOT offices.	Monthly invoices Progress reports
Project Resources that Pinyon will Provide		

Task		Scope of Work Summary	Deliverables
Hazardous Materials	Initial Site Assessment	Pinyon will complete an Initial Site Assessment; to help alleviate costs, Pinyon assumes that CDOT Region 1 will provide the Geosearch Database Report.	Initial Site Assessment
	Site Charact-erization	There is a possibility that environmental conditions could impact construction; therefore, Pinyon will coordinate soil and groundwater sampling activities with the project geotechnical analysis using a Pinyon Certified Asbestos Building Inspector (CABI). Soil samples will be collected to inform project soil reuse and disposal decisions. Groundwater, if encountered, will be collected and analyzed for parameters required to obtain either approval for disposal at the Metro Wastewater Reclamation District or for a Remediation Activities Discharging to Surface Water permit; the groundwater discharge alternative will be at the discretion of the project manager. Pinyon will collect and submit up to 10 asbestos, three soil, two groundwater samples for laboratory analysis. During geotechnical drilling (which will be completed and paid for by others), Pinyon will collect up to four representative soil samples to support a waste profile at the Denver-Arapahoe Disposal Site (DADS) per City and County of Denver (CCD) and Waste Management requirements. These data will be submitted to the DDPHE who are assumed to submit and obtain an approved waste profile from DADS.	Limited Sampling and Environmental Report
	Materials Management Plan	Using the information gathered during the desktop and field investigations, Pinyon will complete a site-specific Materials Management Plan (MMP) detailing the means and methods that contractors must comply with to identify, manage, and dispose of potentially impacted soil and/or groundwater generated during construction. Alternatively, the *City and County of Denver Standard Materials Management Plan,* dated November 13, 2019, could be utilized for the project if the project does not include any of the exclusions listed in Section 2.0 of the document.	Materials Management Plan
Biological Resources	Field Work	Pinyon, Wilson, and the City/CDOT will agree on the study area boundaries prior to any field work being completed—this will help focus the study areas and refine the work to avoid future change orders. Pinyon will complete a site visit to assess current conditions. The field survey for biological resources will be completed by one Pinyon biologist in a one, half-day period. For this project, a Pinyon biologist will assess the site for threatened and endangered species habitat (not species-specific surveys), migratory birds, wetlands/non-wetland waters, vegetation and noxious weeds, Senate Bill (SB) 40 resources, and shortgrass prairie habitat. Geographic Information System (GIS) data will be provided for incorporation into the project plans, and for impact analysis during advanced design. Pinyon assumes that Wilson will calculate impacts using the provided GIS data.	GIS Shapefiles
	Threatened and Endangered Species/Fish and Wildlife	Pinyon will evaluate habitat within the study area for federally and state-listed species based on current conditions, and document within the Biological Technical Memorandum (BTM). A species-specific survey is not included in this scope. If a species-specific survey is required, additional scope and fee would be necessary. Given the lack of suitable habitat identified via desktop review, Pinyon assumes that the impact assessment will reveal a *No Effect* to federally listed species. Therefore, coordination with the US Fish and Wildlife Service (USFWS) is not anticipated to be required. If the effects determination is anything other than *No Effect*,	Documented in BTM

Task		Scope of Work Summary	Deliverables
		coordination with USFWS in the form of a letter or more detailed documentation would be required, and additional scope and fee would be necessary. Pinyon will conduct a survey for raptors and other migratory birds within the prescribed buffer area/study area per Colorado Parks and Wildlife (CPW) guidelines. The results of the survey will be documented in the BTM.	
	Wetlands/ Waters of the US	Based on an initial aerial review as well as the proposed estimated limits of disturbance area, no impacts to wetlands/waters of the US are anticipated for the improvements. Pinyon will document the existing conditions regarding wetlands and open waters in the BTM. If wetlands or open waters are identified during the site visit, this scope and fee will be revised.	Documented in BTM
	Vegetation and Noxious Weeds	List A and B noxious weeds will be mapped, as applicable (i.e., if located in discrete locations); however, if the density of weeds is significant, detailed mapping will be stopped, and recommendations regarding weed controls will be presented in the BTM. It is assumed that an Integrated Noxious Weed Management Plan (INWMP) will not be required for this project. If an INWMP is needed, additional scope and fee would be required.	Documented in BTM
	SB 40 Resources	Based on a desktop review, SB 40 resources are not likely to occur in the study area. Pinyon will document this in the BTM. Should SB 40 resources be identified, mapping will need to occur, and certification will be required. This will require additional scope and fee.	Documented in BTM
	Shortgrass Prairie Initiative	The project is outside of the Shortgrass Prairie Initiative study area.	Documented in BTM
Historic Resources		Pinyon will complete a file search and establish an APE for the project, which is anticipated to include a "direct" APE and "visual" APE based on current CDOT practice. Pinyon will utilized low-tech visual analysis tools through Google Earth, which have streamlined Section 106 compliance for similar projects. Pinyon anticipates a kick-off meeting with the CDOT Historian at this juncture to confirm project direction and deliverables. Pinyon anticipates four properties adjacent to the work will require evaluation on Office of Archaeology and Historic Preservation (OAHP) forms. Pinyon also anticipates evaluation of Jewell Avenue and the Union Pacific Railroad in compliance with current CDOT and State Historic Preservation Office (SHPO) practice, and up to two additional properties. The Section 106 consultation package will be provided to CDOT with an Eligibility and Effects Letter Report. This will contain relevant Section 4(f) notifications.	APE Map Up to 4 Architectural Inventory Forms, Eligibility and Effects Letter
Archaeological Resources		Pinyon will acquire/review the COMPASS database for previously identified archaeological resources. Given the disturbed nature of the study area, it is assumed a pedestrian survey is not required. The COMPASS results will be documented in the Environmental Clearance Memorandum.	Documented in the Environmental Clearance Memorandum
Paleontological Resources		Given the disturbed nature of the study area, it is assumed that inclusive of CDOT's standard specification to halt work should paleontological resources be encountered during construction in the plan set is sufficient and that no additional research is required.	Documented in the Environmental Clearance Memorandum

Task	Scope of Work Summary	Deliverables
Section 4f/Non-historic and Section 6(f)	Department of Transportation Section 4(f) regulations govern the use of land from publicly owned parks, recreation areas, wildlife and waterfowl refuges, and public or private historic sites. The Overland Park Golf Course, which is owned and managed by the CCD is located within the project area adjacent to the west of Santa Fe Drive. The public golf course is considered a Section 4(f) resource and will likely be impacted by the project. Impacts to the golf course are assumed to be minor and a *de minimis* Section 4(f) evaluation is anticipated. We assume there will be no impacts to the existing recreational features of the golf course. Pinyon will coordinate with CDOT and the CCD, the Official with Jurisdiction (OWJ), and prepare an OWJ letter. A *de minimis* determination will also require FHWA agency coordination and public involvement (which is assumed to be minor such as a newspaper advertisement). Pinyon assumes the sidewalks located in the project area are designated for transportation use and are not considered Section 4(f) resources. Additionally, it is assumed that no Section 6(f) resources are present/will be impacted.	OWJ letter
Environmental Documentation	Pinyon developed the format of the environmental clearance memorandum commonly used for local agency projects. The memorandum will summarize the environmental conditions, anticipated impacts, and mitigation commitments with appendices for the reports identified above. It will also document that the project is exempt from air or noise modeling.	Environmental Clearance Memorandum

Deliverables: Documentation of pertinent information including photographs, mapping, schematics, field notes, as-built plans, and other required information.

c) Right-of-Way

In order to acquire all necessary property and easements needed for the bridge, the Consultant shall obtain all existing property ownership information needed to complete the design of this Project and complete right-of-way and easement acquisition documentation needed to construct the bridge as needed. The Consultant shall obtain copies of Title Reports and other pertinent data, and coordinate with staff from public agencies and property owners in preparation of final right-of-way documentation. The final documentation shall identify all affected parcels and their owners and describe additional right-of-way or easements necessary to construct the proposed improvements.

The Consultant shall perform the following tasks under the immediate supervision of a PLS:

a. Identify and confirm affected ownership
b. Obtain assessor's map, locating project limits.
c. Make physical inspection of property. Note any physical evidence of easements, wells, ditches, ingress, and egress.
d. Check for latest subdivision plats and vacations of streets.
e. Determine ownerships and their property boundary locations.
f. Prepare a right-of-way ownership map in accordance with City and CDOT (if applicable) procedures.
g. Coordinate with City staff (Asset Management) and CDOT (if applicable) on right-of-way and easement requirements, preparation of right-of-way plans, legal descriptions and exhibits, agreements, and the scheduling of activities.
h. Prepare right-of-way plans, conduct reviews, and make revisions in accordance with City and CDOT (if applicable) procedures.

i. Prepare Title Commitments as needed for City Real Estate Team for acquisitions and/or property easements as needed. Up to four (4) parcels are included in the scope.

Deliverables: Survey field notes, right-of-way requirements map, legal descriptions and plat maps for all acquisitions and necessary easements, right-of entry agreements, calculation sheets, research records, a record-of-survey, and any additional necessary exhibits.

d) Drainage Analysis

There are several areas within the project limits that may be affected by stormwater runoff. The Consultant shall prepare necessary hydrology analyses to identify hydrologic considerations that may affect final design. The Consultant shall analyze existing and proposed drainage systems (catch basins) for their ability to accommodate future design flows, including proposed improvements.

A Hydraulics/Hydrology design shall be prepared summarizing the findings and proposed drainage improvements. This is particularly important with consideration of the drainage impacts relative to the bridge ramps and necessary foundations. In addition, the Consultant shall identify potential storm water quality impacts and develop options to avoid, reduce, or minimize the potential for storm water quality impacts. Drainage areas and total disturbed areas shall be defined, as will climatic conditions, existing drainage conditions, site permeability, soil texture, existing vegetation (if any), and groundwater.

The consultant will use best available information when examining the off-site drainage basin and existing public conveyance system. Engineering assumptions will be made on actual interception of in-line inlets on existing system. The consultant will also use best available information for examining impacts to the Harvard Gulch FHAD, (floodplain). It is anticipated that a HEC RAS model will not be required by comparing existing and proposed cross-section in the area.

Begin coordination and develop projects requirements for Stormwater Management Plan (SWMP) and Erosion Control.

Hydraulics/Hydrology design shall include:

a. Finalize design flows based on 3-D terrain model
b. Finalize conveyance system
c. Finalize water quality approach and design
d. Off-site analysis to determine capacity of existing storm sewer located southerly in Asbury.
e. Examine minimal impacts to Harvard Gulch floodplain for new construction
f. Develop 60% plans and specifications
g. Develop 90% plans and specifications
h. Resolve all comments and complete 100% plans and specifications.

Deliverables: Final Hydraulics / Hydrology Study, SWMP, EC – Two (2) hard copies and one (1) electronic file (Adobe PDF) copy. Erosion Control Plans for 60%, 95%, and 100% submittals. CASDP permit is excluded.

e) Utility Design

The Consultant shall coordinate with all potentially affected utility companies within the Project limits to ensure that all existing facilities, both underground and overhead, are identified accurately during the final design phase. The Consultant shall coordinate efforts with these resource agencies, to the extent needed, to prepare the PS&E package. The Consultant shall review the preliminary utility survey and plans completed during the preliminary engineering phase for the Project to verify that all affected utilities including, but not

limited to water, electric, gas, communication, storm drain, and sewer utilities have been identified within the project limits.

The footprint and depth of this project will require Subsurface Utility Engineering for the impacting area, and a CDOT & FHWA Qualified SUE consultant should be included in the project team to provide necessary reports and documentation in accordance with SB18-167. Potholing will be billed at cost, up to $12,000.00 included in the scope.

The Consultant shall address any utility conflicts by modifying the design of the improvements or designing any required utility relocations, if the relocation is not covered by a franchise agreement. The design for any utility relocation shall conform to the standards of the utility owner. Existing utilities shall be potholed at locations of anticipated conflicts. The Consultant will incorporate utility mitigations/relocations schematics into the PS&E package.

There has been an identified need to carry City owned fiber optic line from one side of this project to the other. The Consultant shall coordinate with the City Fiber Optic team to identify the facility needed, and incorporate the appropriate conduit needed to carry this infrastructure across the project.

Deliverables: Updated, Final Utility Database and Base Map, SUE Engineering Plans. Two (2) hard copies; and one (1) electronic file (Adobe PDF) copy.

f) Lighting

The Consultant shall develop and coordinate lighting design with the CCD and the utility agency if appropriate.

g) Partner Agency Agreements and Coordination

The Consultant shall begin preparing coordination and agreement efforts in order to aerially span the new pedestrian bridge across Santa Fe Dr (US-85 CDOT) and the CML (RTD, UPRR, BNSF). Railroad Permit fees will be billed at cost, up to $10,000.00 included in the scope.

Deliverables: Correspondences, Legal Documents, Meeting Minutes, and ultimately Agreements.

h) Analysis of Accelerated Bridge Construction (ABC) technologies and Alternative Construction Methods

The Consultant shall analyze project elements that may be suitable for innovative construction practices. ABC technologies optimize concepts, materials, and construction techniques to reduce on-site construction time and interruption to traffic. Analyze of project specific advantages and disadvantages of ABC technologies, with particular emphasis on Prefabricated Bridge Elements and Systems (PBES) and Slide-In Bridge Construction (SIBC) and provide structural recommendation for the bridge's construction. Also consider alternative bridge construction methods including but not limited to modular bridge design and prefabrication of segments when possible.

Deliverables: Analysis of ABC technologies and project recommendation in one (1) electronic file (Adobe PDF) copy.

Project No. GO2018 Bond 2020-028

Tasks 4-7: Engineering, Regulatory, Analytics (ERA) Preparation, Process, and Submittal

The project must follow the City's review process and meet all City standards (including, but not limited to the Department of Transportation and Infrastructure's Engineering Standards, etc.). The Consultant will complete the 30%, 60%, 90%, and 100% level of design plans/documents associated with the ERA review process.

Prepare Construction Documents

1) The Consultant shall prepare the construction plans for the bid packages required for the proposed improvements. The documents shall include construction notes to employ best practices to control dust, erosion, and sedimentation produced during construction.

   The plans shall indicate all items of work, City and utility company standards, details, and specifications, including but not limited to: construction staging and phasing, temporary and permanent erosion control, traffic control, clearing and grubbing, cutting and capping existing facilities, utility relocation and undergrounding, earthwork - grading, paving, slopes, curb and gutter, cross gutters, sidewalk, driveways and connections to access roads, pedestrian ramps, walkways and access ramps, bus stops and turnouts, pavement and base, asphalt berms, sanitary sewer access roads and manhole adjustments, drainage facilities, structures - bridges or culverts, retaining walls, traffic engineering - signing and striping, traffic signals, signal interconnection conduit, fencing, electrical systems and lighting, security systems, decorative hardscape, landscaping and irrigation, plumbing, and other related work required to complete the project. All items of work shall be shown both in plan view and profile view.

2) The Consultant shall prepare plans showing all details needed to communicate the required work to contractors. The Consultant shall include all necessary design details and ensure that all completed facilities comply with current ADA requirements. Retaining wall details shall be shown in separate elevation views with top of wall and top of footing elevations listed. The retaining wall details shall also include existing and proposed ground lines at front and back of wall, and a profile line to indicate any sloping backfill conditions.

3) The Consultant shall prepare the project specifications for each of the bid packages, including, but not limited to, Bid Sheets, Engineer's Estimate, Supplementary General Provisions, Supplementary Technical Provisions, copies of referenced standard drawings, geotechnical investigation, agency forms, and other related documents, in a format consistent with the City's boiler plate specifications.

Prepare Engineer's Estimates

1) The Consultant shall prepare Engineer's Estimates of construction costs. Measurement of quantities shall be based on the methods described in Denver's Standard Special Provisions (Primarily CDOT Road and Bridge Specifications), and measurements shall be documented in writing.

2) The Engineer's Estimate will be used to authorize the construction phase of the Project and shall appropriately reflect the anticipated cost of the Project in sufficient detail to provide an initial prediction of the financial obligations to be incurred by Denver; permitting an effective review and comparison of the bids received. The Engineer's Estimate must be prepared in a format, which describes the item of work, unit amount, quantity, unit price, amount, a subtotal, contingencies and a total.

3) A reasonable upward adjustment shall be applied to all bid quantities that may vary during construction to allow for any necessary design adjustments. Contingency bid items shall be included for work that may be required during construction. Contingency bid items are those items of work that may or may not be needed on the Project, due to possible conditions that may be encountered during construction.

In addition to contingency bid items, Alternate Bid Items shall be included in the bid to provide cost-saving options and project amenities that may need to be excluded from the construction contract to keep the Project under budget.

Prepare Construction Schedule

The Consultant shall prepare a construction schedule, in order to determine the contract time to be included in the Bidders' proposals. The construction schedule shall provide estimates of all standard construction tasks, and shall include as a minimum, a task for each bid item in the cost estimate. The schedule shall also consider lead times for long-lead equipment, such as signal poles, light poles, electric equipment, irrigation equipment, etc.

Prepare Engineer Files

The Consultant shall prepare and submit Engineer files. The files shall contain, at a minimum, the preliminary and final construction quantities, and cost estimates, one set of drawings with the plan views and cross sections showing different colors for each item of construction, the total work quantities for each sheet shown on each sheet, and the total work quantities for all sheets shown on the first sheet. All quantities shown on the plans shall match the quantities shown on all other bid documents.

1) Construction plans shall be provided to the City on cut sheets. Plans shall include all details, cross sections, profiles, and elevations as may be required for the bridge, street crossings and entrances, furnishings, lighting, drainage system and structures, etc.

2) Particular attention should be given to providing adequate dimensional and cross-sectional details for all areas related to handicapped access, to properly document that statutory and regulatory access requirements are being met by the design.

3) Plans shall be submitted to the City's Project Manager for review and comment at the 30%, 60%, 90% and 100% completion stages, and all comments shall be incorporated into the final contract documents.

4. 30% Submittal

The Consultant shall prepare preliminary design (30%) drawings of the pedestrian bridge crossing, as well the approach ramps and any associated structural walls. The deliverables for this task shall include:

a) Structures Selection Report

Structures Selection Report shall address the structural span configuration, material selections, constructability/construction phasing, future bridge maintenance considerations, and site constraints associated with the project. The document should include a detailed discussion of those items, and any other issues that will be pertinent to the final design of the structure. This report shall meet the requirements outlined in the current edition of the CDOT Bridge Design Manual.

Evaluation of multiple superstructure options to be considered for the main span. An evaluation of span configuration and material options at the approaches, as well as any wall type evaluations, shall be conducted as part of this report. The report should evaluate foundation alternatives at all structures associated with the project. The foundation recommendations shall be based upon a geotechnical investigation with at least 7 borings (2 at each approach, 1 at each main span abutment, at center pier, if necessary).

Using the information gathered as part of other project tasks, the report shall address potential for aesthetic or place making features as they impact the structural design.

The report shall provide recommendations for structure types and configurations, as well as a preliminary cost estimate. The report is to be submitted for review prior to advancing the design. A meeting to discuss the findings of the report shall be included.

b) Preliminary Structural Plans

Building from the Preliminary Structural Design Report, the 30% plans shall depict the structural configuration of the crossing. The plan set shall include the following sheets: General Information/Notes, General Layout, Typical Sections, and a Geotechnical Boring Sheet. The plan sheets shall include geometric information and stationing to ensure that the proposed alignments satisfy ADA requirements.

The structural design shall be in accordance with current American Association of State Highway and Transportation Officials (AASHTO) Load and Resistance Factor Design (LRFD) Bridge Design Specifications, the AASHTO Guide Specification for the Design of Pedestrian Bridges, the CDOT Bridge Design Manual, and the CDOT Bridge Detail Manual. In general, the design will utilize the CDOT Standard Specifications for Road and Bridge Construction. Ongoing and future structure maintenance shall be considered throughout structural planning.

In addition to the plan set, the 30% structural submittal shall include a performance specification for a possible prefabricated main span structure, a preliminary cost estimate, and any calculations developed to establish the preliminary structural design. The 30% submittal deliverables shall also include electronic submittals (including CAD files).

c) Civil Engineering/Site Design

Includes the site design/development, aesthetics, and evaluation of future construction pending alternative alignment selection.

Site Design

- Coordinate efforts of other design activities as required.
- Draw a geometric layout (horizontal and vertical alignment). Check horizontal and vertical clearances against design criteria.
- Identify pertinent design features such as structures, pavements, sidewalk, curb and gutter, and catch points. Identify permanent and temporary impacts to ROW, Utilities, etc.
- Prepare plan sheet(s) showing general horizontal control of proposed work overlaid on top of existing ROW, building, sidewalks, any known existing utilities
- Generate a 3-dimensional digital terrain model of the project
- Compute preliminary quantities.
- Review and report compliance of roadway alignment and intersection configuration with City and CDOT standards

Urban Design and Aesthetics

Develop illustrations and concepts for the aesthetic treatments of the bridge as well as the plaza areas with the ramps. Develop concepts for the small public areas outside of the ramps within the remnant parcel(s).

Lighting Design

Prepare lighting plans that includes the power source location, light standard and luminaire type, foundation details, and the size and location of electrical conduit.

Analysis of Construction Methods and Construction Phasing.

Investigate project delivery methods and timelines for the construction of the project. This includes, but is not limited to, design-bid-build and CMGC. Develop a construction phasing scenario which integrates the construction of all the project work elements into a practical and feasible sequence.

Cost Estimate

Cost estimate shall verify generated quantities and price the Project based on recent unit rate bid results adjusted as necessary.

After 30%, consultant shall engage with City PMT to work with Real Estate on any property acquisitions, permanent easements, or temporary construction easements desired.

Deliverables: The 30% design submittal shall include plans, specifications and cost estimate.

5. 60% Submittal

Based on the works from the previous 30% preliminary engineering phase, and upon review and approval of the same by the City, the Consultant shall prepare and submit 60% design plans and updated cost estimates (value engineered) to produce refined estimates of probable construction costs for all segments of the proposed project. The City will provide the template for the specifications.

Existing base maps shall be developed into design drawings which shall clearly illustrate the limits of bridge construction, permits required for construction.

All required permit documents shall be completed and submitted or coordinated by this stage of the design. The Consultant shall assist the City to prepare and obtain all necessary regulatory permits required for construction, i.e., Notice of Intent for State Water Quality Control Board compliance, etc.

As part of the 60% design submittal to the City, the Consultant shall schedule a PMT meeting to present the draft 60% design to Project stakeholders for review and comments. Once the 60% design is presented at the meeting, the Consultant shall distribute a set of hard copies of the 60% design submittal to members of the PMT team for further comments.

After the Consultant receives comments from the PMT on the 60% design submittal, the Consultant shall make the necessary changes to the 60% submittal and re-submit the final 60% design package to the City.

Deliverables: The 60% design submittal shall include completed 30% comment review matrix addressing all previous review comments, plans, specifications and cost estimate.

After 60% submittal, the consultant shall lead negotiations for all Railway agreements for spanning the CML and Santa Fe Dr (UPRR, BNSF, RTD and CDOT).

6. 90% Submittal

Once the City receives the final 60% design submittal (Task 6), the Consultant shall schedule a meeting with the City to review the revisions on the final 60% design submittal package. Following this review session(s), the Consultant shall prepare the 90% design submittal.

The Project design shall essentially be complete for this submittal. All comments from the 60% submittal review shall have been addressed. The Consultant shall address and adhere to all federal, state, and local requirements, regulations, guidelines, and standards for the PS&E package.

As part of the 90% design submittal to the City, the Consultant shall schedule a PMT meeting to present the draft 90% design to Project stakeholders for review and comments. Once the 90% design is presented, the Consultant shall distribute a set of hard copies of the 90% design submittal to members of the PMT team (one [1] set for each agency) for further comments.

After the Consultant receives comments from the PMT on the 90% design submittal, the Consultant shall make the necessary changes to the 90% submittal and re-submit the final 90% design package to the City.

Deliverables: The 90% design submittal shall include completed 60% comment review matrix addressing all previous review comments, plans, specifications and cost estimate.

7. 100% Submittal

Once the City receives the final 90% design submittal (Task 7), the Consultant shall schedule a meeting with the City to review the revisions on the final 90% design submittal package). Following this review session(s), the Consultant shall prepare the 100% PS&E Package.

The Consultant shall ensure that all designs, calculations, deliverables, and other works are independently verified to ensure accuracy. All exhibits, plans, and reports should be checked, corrected, and back checked for accuracy and completeness.

Included in the final submittal shall be two (2) sets of plans, two (2) copies of the specifications, two (2) sets of Structural Calculations and two (2) copies of the engineers estimate.

Deliverables: The final 100% design submittal shall two (2) hardcopy sets stamped by a professional engineer licensed and registered to practice in Colorado, two (2) copies of the specifications and two (2) copies of the cost estimate.

8. Engineer's Opinion of Probable Cost

The Consultant shall develop detailed construction cost estimates and anticipated annual maintenance cost estimates based on the 30%, 60%, and 90%, 100% design plans. The cost estimates will be presented by typical cost categories and utilize relevant/current unit cost information from similar/recent projects in the Denver metropolitan area. They will be responsible for reviewing and updating the cost estimates at critical milestones (to be determined) throughout the development of the bridge design.

9. Bid and Construction Support

The Consultant shall prepare construction plans showing all details needed to communicate the required work to contractors. The Consultant shall include all necessary design details and ensure that all completed facilities comply with ADA requirements and the City's Building Codes.

Support during the bidding and construction process

1) Respond to questions from Contractors during the advertisement phase.
2) Prepare Revisions Under Advertisement as necessary.
3) Available for timely response to questions/issues during the bidding window.
4) Assist City Staff with Request for Information submittals from Contractor. Fifteen (15) RFI's are included in the scope.
5) Review of construction shop drawings. The Consultant will review reinforcing, prefabricated truss, girder, and railing shop drawings. It is assumed that the City will review material submittals. Twenty (20) shop drawings.
6) The Consultant will attend up to 2 construction meetings.

10. (Ad-Alt) Coordinate with Qualified Contractor to Provide requested Construction Estimation and Constructability Assessment

As a potential additional alternative to the design, please be prepared to scope in a qualified contractor or contractors organization to provide guidance on the estimated cost of construction, as well as elements of the projects constructability including but not limited to phasing, off-site fabrication, traffic control, delivery methods of large materials, etc.

11. Connections: Survey and Concept Design

Survey of additional area outside the pedestrian bridge project limits that can be used to design trail/sidewalk connections from the bridge ends to facilitate safe pathways to connect to the Evans LRT Station and the Platte River Trail. This is generally the areas in purple on the following map.

Exhibit A

Project No. GO2018 Bond 2020-028

Conceptual (30%) design of potential sidewalk connections within the purple areas above will be performed to develop a preferred routing and improvements and inform ramp alignments. Final design of these connections will not be performed.

Exhibit A

Final Design & Construction Support for the Jewell/Evans Station Bicycle/Pedestrian Bridge

Wilson & Company Manhour and Fee Estimate

6/8/2021

Base Fee Estimate Summary by Task

Task 1. Project Management	$	155,672
Task 2. Stakeholder Engagement	$	70,849
Task 3. Data Collection and Analysis	$	215,441
Task 4. 30% Submittal	$	229,676
Task 5. 60% Submittal	$	269,454
Task 6. 90% Submittal	$	185,984
Task 7. 100% Submittal	$	96,643
Task 9. Bid and Construction Support Services	$	65,430
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessmen	$	5,520
Task 11. Connections: Survey and Concept Design	$	39,420
Reimbursable Expenses	$	48,146
Additional Services	$	35,000
Total for Base Scope of Services	$	1,417,234

Labor Fee Estimate Summary by Consultant

		Fee	Percentage	DBE %
Wilson & Company	$	805,430	60.37%	
CIG *	$	50,329	3.77%	3.77%
Dig Studio *	$	123,985	9.29%	9.29%
Triunity *	$	126,460	9.48%	9.48%
Pinyon *	$	38,974	2.92%	2.92%
Leese & Associates	$	57,730	4.33%	
LS Gallegos *	$	31,182	2.34%	2.34%
PK Electric *	$	54,200	4.06%	4.06%
Fox Tuttle	$	23,445	1.76%	
Martinez *	$	14,343	1.08%	1.08%
HC Peck *	$	8,010	0.60%	0.60%
Total	$	1,334,088	100.00%	33.54%

* MWBE Firm

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904	)N & COM
Description:	Jewell/Evans Pedestrian Bridge			
City Project Manager:	Chris Krook, PE			
Wilson Project Manager	Mark Hildahl, PE			

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Totals: Total Wilson Hours	Totals: Wilson Total Task Cost	Sub Consultants: CIG	Dig Studio	Triunity	Pinyon	Leese	LS Gallegos	PK Electric	Fox Tuttle	Martinez	HC Peck	Total Hours - Wilson & Subs	Task Cost - Wilson & Subs
Task 1. Project Management			**$0**	**$14,535**	**$8,795**		**$2,970**	**$4,422**	**$13,155**	**$9,095**	**$0**			
a. Project Kick-off Meeting														
1. Schedule, hold, & prep minutes	16			6	4		2		6	2			36	
b. PMT Meetings														
1. Monthly PMT meetings (15 total)	87			23					10	10			130	
2. Prepare agenda & minutes	15												15	
3. Standing Design Meetings (bi-weekly, 30 total)	125			38	30		20	20	38	12			283	
c. Project Schedule														
1. Project Schedule Development and Maintenance (15 months)	8												8	
d. Monthly Progress Reports														
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin	153			30						20			203	
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin	45			11	23				30	14			123	
e. Quality Assurance / Quality Control	15												15	
1. Project Management Plan	8												8	
2. QA/QC Plan Development	4												4	
3. Project Management Plan Maintenance (1.5 hours /mo for 15 months)	23												23	
4. Interdisciplinary Reviews & QC included in each design phase below														
f. Submittal of Project Deliverables and Formats														
1. Effort included in each design phase below														
Task 1 SUBTOTAL - Project Management	**499**	**$ 102,700.00**		**108**	**57**		**22**	**20**	**84**	**58**			**848**	**$ 155,672**
Task 2. Stakeholder Engagement			**$50,329**	**$5,040**	**$0**		**$0**	**$0**	**$0**	**$2,520**	**$0**			
a. Develop Public Involvement Plan			20							4			24	
b. Develop and maintain stakeholder contact/distribution list			19										19	
c. Ongoing project communications	8		210										218	
d. Small group meetings	8		34							4			46	
e. Project Open House (1 assumed)	62		82	40						6			190	
f. Website content (City staff to create and update website with consultant team content)			30										30	
g. Translation services			50										50	
Task 2 SUBTOTAL - Stakeholder Engagement	**78**	**$ 12,960.00**	**445**	**40**						**14**			**577**	**$ 70,849**
Task 3. Data Collection and Analysis			**$0**	**$6,720**	**$31,360**		**$2,160**	**$0**	**$3,110**	**$620**	**$13,961**	**$8,010**		
a. Review of Existing Plans, Studies, and other Relevant Documentation														
1. Assemble all available information and reports	12			28	12				6	4			62	
2. Develop list of pertinent information	4			28									32	
b. Field Survey														
1. Land Survey														
Topo Survey and Control Establishment	208												208	
Obtain utility location maps					4								4	
Survey Utilities, including invert elevations	54				16								70	
Potholing (XX potholes included)	58				16								74	
ROW Survey	91												91	
Prepare base map & existing ROW map (included below)														
2. Geotechnical Investigation, Pavement Design, Environmental Investigations														
Geotechnical Investigation and Report											62		62	
Phase I ESA						152							152	
c. Right-of-Way														
1. Identify ownership, boundary locations	121											26	147	
2. Prepare ROW ownership map	13												13	
3. Prepare ROW plans	173												173	
4. Prepare Title Commitments												35	35	
d. Drainage Analysis														
1. Hydraulics/Hydrology Study with water quality	124												124	
2. Floodplain Modeling	120												120	
3. Offsite Flow Analysis	48												48	
4. SWMP Plans	20												20	

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904	)N & COM
Description:	Jewell/Evans Pedestrian Bridge			
City Project Manager:	Chris Krook, PE			
Wilson Project Manager	Mark Hildahl, PE			

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Totals: Total Wilson Hours		Totals: Wilson Total Task Cost	Sub Consultants: CIG	Dig Studio	Triunity	Pinyon	Leese	LS Gallegos	PK Electric	Fox Tuttle	Martinez	HC Peck	Total Hours - Wilson & Subs		Task Cost - Wilson & Subs
5. Erosion Control Plans	16													16		
e. Utility Design																
1. Coordinate with utility companies	10					32				5				47		
2. Utility database (basefile)						28								28		
3. SUE Engineering Plans						32								32		
f. Lighting																
1. Lighting Coordination								16		9				25		
g. Partner Agency Agreements and Coordination																
1. CDOT - US-85	24													24		
2. CML (RTD, UPRR, BNSF)	32					72								104		
h. ABC Analysis	18													18		
Task 3 SUBTOTAL - Data Collection and Analysis	**1146**		**$ 149,500.00**		**56**	**212**	**152**	**16**		**20**	**4**	**62**	**61**	**1729**		**$ 215,441**
Task 4. 30% Submittal				**$0**	**$29,060**	**$17,380**		**$27,840**	**$9,279**	**$8,845**	**$7,210**	**$382**				
a. Structures Selection Report																
1. Evaluate span configurations, phasing, etc.	40													40		
2. Conceptual Engineering	72													72		
3. Preliminary Layouts	108													108		
4. Preliminary quantities & Cost estimates	52								24					76		
5. Prepare SSR	16													16		
b. Preliminary Structural Plans																
1. 30% plan sheets	72													72		
2. Prefab Bridge Specification	12													12		
3. 30% Cost estimate	8								44					52		
c. Civil Engineering/Site Design																
1. Interdisciplinary Coordination	72					84								156		
2. Geometric Layout	92										32			124		
3. Plan sheets with horizontal control	188					10								198		
4. 3D terrain model	140				64									204		
5. 30% quantities and Cost Estimate	48				24	6								78		
6. Review and report roadway and intersection compliance	8													8		
7. Urban Design and Aesthetics					144			264		55	8			471		
8. Construction Methods and Construction Phasing Analysis	40													40		
d. 30% Review Meeting	8				8				4	4	2	2		28		
Task 4 SUBTOTAL - 30% Submittal	**976**		**$ 129,680.00**		**240**	**100**		**264**	**72**	**59**	**42**	**2**		**1755**		**$ 229,676**
Task 5. 60% Submittal				**$0**	**$27,620**	**$23,630**	**$38,974**	**$10,320**	**$7,410**	**$9,840**	**$2,000**	**$0**				
a. 60% Structural Plans	600													600		
b. 60% Civil Plans	268				108	10		60		57	12			515		
c. 60% Quantities & Cost Estimate	88				26	6								120		
d. 60% Specifications	72				20	12								104		
e. Permitting																
1. CatEx							278							278		
2. Water Quality																
3. Other…																
f. 60% Review Meeting	12				8	1				4				25		
g. Revisions to 60% design and resubmit					64	3		16		6				89		
h. Negotiate Agreements																
1. CDOT - US-85	24													24		
2. CML (RTD, UPRR, BNSF)	32					104								136		
Task 5 SUBTOTAL - 60% Submittal	**1096**		**$ 149,660.00**		**226**	**136**	**278**	**76**		**67**	**12**			**1891**		**$ 269,454**
Task 6. 90% Submittal				**$0**	**$16,620**	**$23,455**		**$6,000**	**$5,519**	**$8,210**	**$1,000**	**$0**				
a. 90% Structural Plans	644													644		

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904	)N & COM
Description:	Jewell/Evans Pedestrian Bridge			
City Project Manager:	Chris Krook, PE			
Wilson Project Manager	Mark Hildahl, PE			

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Totals: Total Wilson Hours	Totals: Wilson Total Task Cost	Sub Consultants: CIG	Dig Studio	Triunity	Pinyon	Leese	LS Gallegos	PK Electric	Fox Tuttle	Martinez	HC Peck	Total Hours - Wilson & Subs	Task Cost - Wilson & Subs
b. 90% Civil Plans	88			72	114		40		46	6			366	
c. 90% Quantities & Cost Estimate	68			14	6			28					116	
d. 90% Specifications	60				12								72	
e. 90% Review Meeting	28			8	3			4	4				47	
f. Revisions to 90% design and resubmit	72			32			16	6	6				132	
Task 6 SUBTOTAL - 90% Submittal	960	$ 125,180.00		126	135		56	38	56	6			1377	$ 185,984
Task 7. 100% Submittal			$0	$19,480	$21,490		$6,000	$4,553	$5,180	$1,000	$0			
a. 100% Structural Plans	96												96	
b. 100% Civil Plans	88			72	110		40		30	6			346	
c. 100% Quantities & Cost Estimate	40			14	3			22					79	
d. 100% Specifications	24				3								27	
e. 100% Review Meeting	8			8	1			4	2				23	
f. Revisions to 100% design and resubmit	20			56	3		16	6	3				104	
Task 7 SUBTOTAL - 100% Submittal	276	$ 38,940.00		150	120		56	32	35	6			675	$ 96,643
Task 8. Engineer's Opinion of Probable Cost - Included Above														
Task 9. Bid and Construction Support Services			$0	$4,910	$350		$2,440	$0	$5,860	$0	$0			
a. Support During Bidding Process														
1. Respond to questions from Contractors	32												32	
2. Revisions under Advertisement	92												92	
b. Design services during construction														
1. RFI's (15)	78			16	2		20		16				132	
2. Construction submittal review (20)	95			22					24				141	
3. Construction meetings (2)	4												4	
Task 9 SUBTOTAL - Bid and Construction Support Services	301	$ 51,870.00		38	2		20		40				401	$ 65,430
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment			$0	$0	$0		$0	$0	$0	$0	$0			
a. Independent Contractor Construction Estimate Support	28												28	
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment	28	$ 5,520.00											28	$ 5,520
Task 11. Connections: Survey and Concept Design			$0	$0	$0		$0	$0	$0	$0	$0			
a. Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection	235												235	
b. Conceptual Design of future connections	120												120	
Task 11 SUBTOTAL - Connections: Survey and Concept Design	355	$ 39,420.00											355	$ 39,420
Total Hours	5715	$ 805,430	445	984	762	430	510	162	361	142	64	61	9636	
Labor Rate/hr														
													Subs Only	
Labor Cost		$ 805,430	$ 50,329	$ 123,985	$ 126,460	$ 38,974	$ 57,730	$ 31,182	$ 54,200	$ 23,445	$ 14,343	$ 8,010	$ 528,658	$ 1,334,088
Expenses		$ 8,449	$ 5,000	$ 4,375	$ 22,000	$ 8,322	$ -	$ -	$ -	$ -	$ -			$ 48,146
Additional Services														$ 35,000
													Subs Only	
Total Cost		$ 813,879	$ 55,329	$ 128,360	$ 148,460	$ 47,296	$ 57,730	$ 31,182	$ 54,200	$ 23,445	$ 14,343	$ 8,010	$ 568,355	$ 1,417,234

DBE% (labor only) 33.5%

Exhibit A

Project Number:	**GO2018 Bond 2020-028**	**Ebid**	**7363904**
Description:	**Jewell/Evans Pedestrian Bridge**		
City Project Manager:	**Chris Krook, PE**		
Wilson Project Manager	**Mark Hildahl, PE**		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

	WILSON & COMPANY																		
	1	2	3	6	7	8	9	10	11	12	13	14		15	16		17	19	Totals
TASK DESCRIPTION	Principal (Engineer/Technical Specialist XXIV)	Project Manager (Engineer/Technical Specialist XVIII)	Deputy PM (Engineer/Technical Specialist XX)	Civil Design TM (Engineer/Technical Specialist X)	Civil Designer, EI (Engineer/Technical Specialist V)	Structures TM (Engineer/Technical Specialist XIV)	Structures Eng. (Engineer/Technical Specialist VII)	Structures EI (Engineer/Technical Specialist V)	Drainage TM (Engineer/Technical Specialist XXI)	Drainage Eng. (Engineer/Technical Specialist VII)	Survey Manager (Engineer/Technical Specialist XIV)	Survey PM (Engineer/Technical Specialist XII)	Survey PM (Engineer/Technical Specialist XI)	Party Chief Surveyor (Engineer/Technical Specialist IV)	Instrumentman (Engineer/Technical Specialist I)	Senior Cadd Tech. (Engineer/Technical Specialist VII)	Senior Cadd Tech. (Engineer/Technical Specialist VI)	Admin./Clerical (Engineer/Technical Specialist VI)	Total Wilson Hours	Wilson Total Task Cost
	$ 290	$ 230	$ 250	$ 150	$ 100	$ 190	$ 120	$ 100	$ 260	$ 120	$ 190	$ 170	$ 160	$ 90	$ 60	$ 120	$ 110	$ 110	
Task 1. Project Management																			
a. Project Kick-off Meeting																			
1. Schedule, hold, & prep minutes	4	2	2								2	2	2		2				16
b. PMT Meetings																			
1. Monthly PMT meetings (15 total)	30	30	15						12										87
2. Prepare agenda & minutes	15																		15
3. Standing Design Meetings (bi-weekly, 30 total)	30	30	30	15	20														125
c. Project Schedule																			
1. Project Schedule Development and Maintenance (15 months)	8																		8
d. Monthly Progress Reports																			
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin	135										10	4	2		2				153
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin	15																	30	45
e. Quality Assurance / Quality Control																		15	15
1. Project Management Plan	8																		8
2. QA/QC Plan Development	2	2																	4
3. Project Management Plan Maintenance (1.5 hours /mo for 15 months)	23																		23
4. Interdisciplinary Reviews & QC included in each design phase below																			
f. Submittal of Project Deliverables and Formats																			
1. Effort included in each design phase below																			
Task 1 SUBTOTAL - Project Management	**270**	**64**	**47**	**15**	**20**			**12**		**12**	**6**	**4**		**4**			**45**	**499**	**$ 102,700.00**
Task 2. Stakeholder Engagement																			
a. Develop Public Involvement Plan																			
b. Develop and maintain stakeholder contact/distribution list																			
c. Ongoing project communications	2											2		2	2				8
d. Small group meetings	4	4																	8
e. Project Open House (1 assumed)	8	8	30	16															62
f. Website content (City staff to create and update website with consultant team content)																			
g. Translation services																			
Task 2 SUBTOTAL - Stakeholder Engagement	**14**	**12**	**30**	**16**								**2**		**2**	**2**				**78**	**$ 12,960.00**
Task 3. Data Collection and Analysis																			
a. Review of Existing Plans, Studies, and other Relevant Documentation																			
1. Assemble all available information and reports	4											8							12
2. Develop list of pertinent information	4																		4
b. Field Survey																			
1. Land Survey																			
Topo Survey and Control Establishment			1	2								5		85	85	30			208
Obtain utility location maps																			
Survey Utilities, including invert elevations												4		20	20	10			54
Potholing (XX potholes included)			2	2								4		20	20	10			58
ROW Survey												6	5	40	40				91
Prepare base map & existing ROW map (included below)																			
2. Geotechnical Investigation, Pavement Design, Environmental Investigations																			
Geotechnical Investigation and Report																			
Phase I ESA																			
c. Right-of-Way																			
1. Identify ownership, boundary locations											4		97		18	2			121
2. Prepare ROW ownership map													13						13
3. Prepare ROW plans											4	118			51				173
4. Prepare Title Commitments																			
d. Drainage Analysis																			
1. Hydraulics/Hydrology Study with water quality								20	100									4	124
2. Floodplain Modeling								40	80										120
3. Offsite Flow Analysis								16	32										48
4. SWMP Plans								4	16										20

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

WILSON & COMPANY

TASK DESCRIPTION	1 Principal (Engineer/Technical Specialist XXIV) $ 290	2 Project Manager (Engineer/Technical Specialist XVIII) $ 230	3 Deputy PM (Engineer/Technical Specialist XX) $ 250	6 Civil Design TM (Engineer/Technical Specialist X) $ 150	7 Civil Designer, EI (Engineer/Technical Specialist V) $ 100	8 Structures TM (Engineer/Technical Specialist XIV) $ 190	9 Structures Eng. (Engineer/Technical Specialist VII) $ 120	10 Structures EI (Engineer/Technical Specialist V) $ 100	11 Drainage TM (Engineer/Technical Specialist XXI) $ 260	12 Drainage Eng. (Engineer/Technical Specialist VII) $ 120	13 Survey Manager (Engineer/Technical Specialist XIV) $ 190	14 Survey PM (Engineer/Technical Specialist XII) $ 170	Survey PM (Engineer/Technical Specialist XI) $ 160	15 Party Chief Surveyor (Engineer/Technical Specialist IV) $ 90	16 Instrumentman (Engineer/Technical Specialist I) $ 60	Senior Cadd Tech. (Engineer/Technical Specialist VII) $ 120	17 Senior Cadd Tech. (Engineer/Technical Specialist VI) $ 110	19 Admin./Clerical (Engineer/Technical Specialist VI) $ 110	Totals Total Wilson Hours	Wilson Total Task Cost
5. Erosion Control Plans										16									16	
e. Utility Design																				
1. Coordinate with utility companies				5	5														10	
2. Utility database (basefile)																				
3. SUE Engineering Plans																				
f. Lighting																				
1. Lighting Coordination																				
g. Partner Agency Agreements and Coordination																				
1. CDOT - US-85			16	8															24	
2. CML (RTD, UPRR, BNSF)			24	8															32	
h. ABC Analysis		2				8	8												18	
Task 3 SUBTOTAL - Data Collection and Analysis		**10**	**40**	**24**	**9**	**8**	**8**		**80**	**244**	**8**	**145**	**115**	**165**	**234**	**52**		**4**	**1146**	**$ 149,500.00**
Task 4. 30% Submittal																				
a. Structures Selection Report																				
1. Evaluate span configurations, phasing, etc.						8	16	16											40	
2. Conceptual Engineering				32		8	16	16											72	
3. Preliminary Layouts				32	24	4	4	4									40		108	
4. Preliminary quantities & Cost estimates				4	8	8	16	16											52	
5. Prepare SSR						8	4	4											16	
b. Preliminary Structural Plans																				
1. 30% plan sheets						8	12	12									40		72	
2. Prefab Bridge Specification						8	4												12	
3. 30% Cost estimate							4	4											8	
c. Civil Engineering/Site Design																				
1. Interdisciplinary Coordination	12	12	24	24															72	
2. Geometric Layout			60	32															92	
3. Plan sheets with horizontal control		8	40	140															188	
4. 3D terrain model			100	40															140	
5. 30% quantities and Cost Estimate		8	16	24															48	
6. Review and report roadway and intersection compliance			8																8	
7. Urban Design and Aesthetics																				
8. Construction Methods and Construction Phasing Analysis	8	8	8	16															40	
d. 30% Review Meeting	4				4														8	
Task 4 SUBTOTAL - 30% Submittal	**24**	**36**	**324**	**308**	**56**	**76**	**72**										**80**		**976**	**$ 129,680.00**
Task 5. 60% Submittal																				
a. 60% Structural Plans	40				60	100	100										300		600	
b. 60% Civil Plans		8	120	140															268	
c. 60% Quantities & Cost Estimate		4	16	24	8	12	12	4	8										88	
d. 60% Specifications	8	4	32		4	8	8	8											72	
e. Permitting																				
1. CatEx																				
2. Water Quality																				
3. Other…																				
f. 60% Review Meeting	4		2	2	4														12	
g. Revisions to 60% design and resubmit																				
h. Negotiate Agreements																				
1. CDOT - US-85	8	16																	24	
2. CML (RTD, UPRR, BNSF)	8	24																	32	
Task 5 SUBTOTAL - 60% Submittal	**68**	**56**	**170**	**166**	**76**	**120**	**120**	**12**	**8**								**300**		**1096**	**$ 149,660.00**
Task 6. 90% Submittal																				
a. 90% Structural Plans	24				60	120	120										320		644	

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	WILSON & COMPANY																	Totals	
	1	2	3	6	7	8	9	10	11	12	13	14		15	16		17	19	
	Principal (Engineer/Technical Specialist XXIV)	Project Manager (Engineer/Technical Specialist XVIII)	Deputy PM (Engineer/Technical Specialist XX)	Civil Design TM (Engineer/Technical Specialist X)	Civil Designer, EI (Engineer/Technical Specialist V)	Structures TM (Engineer/Technical Specialist XIV)	Structures Eng. (Engineer/Technical Specialist VII)	Structures EI (Engineer/Technical Specialist V)	Drainage TM (Engineer/Technical Specialist XXI)	Drainage Eng. (Engineer/Technical Specialist VII)	Survey Manager (Engineer/Technical Specialist XIV)	Survey PM (Engineer/Technical Specialist XII)	Survey PM (Engineer/Technical Specialist XI)	Party Chief Surveyor (Engineer/Technical Specialist IV)	Instrumentman (Engineer/Technical Specialist I)	Senior Cadd Tech. (Engineer/Technical Specialist VII)	Senior Cadd Tech. (Engineer/Technical Specialist VI)	Admin./Clerical (Engineer/Technical Specialist VI)	Total Wilson Hours	Wilson Total Task Cost
	$ 290	$ 230	$ 250	$ 150	$ 100	$ 190	$ 120	$ 100	$ 260	$ 120	$ 190	$ 170	$ 160	$ 90	$ 60	$ 120	$ 110	$ 110		
b. 90% Civil Plans			8	40	40														88	
c. 90% Quantities & Cost Estimate			4	8	16	8	12	12		8									68	
d. 90% Specifications		8	4	16		4	8	8	4	8									60	
e. 90% Review Meeting		4	4	2	2	4			8	4									28	
f. Revisions to 90% design and resubmit		4	4			16	16	16									16		72	
Task 6 SUBTOTAL - 90% Submittal		**40**	**24**	**66**	**58**	**92**	**156**	**156**	**12**	**20**							**336**		**960**	**$ 125,180.00**
Task 7. 100% Submittal																				
a. 100% Structural Plans		8				16	16	16									40		96	
b. 100% Civil Plans			8	40	40														88	
c. 100% Quantities & Cost Estimate			4	8	16	2	2	2	2	4									40	
d. 100% Specifications			4	8		2	2	2	2	4									24	
e. 100% Review Meeting			4	2	2														8	
f. Revisions to 100% design and resubmit			4	8	8														20	
Task 7 SUBTOTAL - 100% Submittal		**8**	**24**	**66**	**66**	**20**	**20**	**20**	**4**	**8**							**40**		**276**	**$ 38,940.00**
Task 8. Engineer's Opinion of Probable Cost - Included Above																				
Task 9. Bid and Construction Support Services																				
a. Support During Bidding Process																				
1. Respond to questions from Contractors		8	8	8	8														32	
2. Revisions under Advertisement		16		16	16	8	8	8									20		92	
b. Design services during construction																				
1. RFI's (15)		30		24	24														78	
2. Construction submittal review (20)		40		15		40													95	
3. Construction meetings (2)		4																	4	
Task 9 SUBTOTAL - Bid and Construction Support Services		**98**	**8**	**63**	**48**	**48**	**8**	**8**									**20**		**301**	**$ 51,870.00**
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment																				
a. Independent Contractor Construction Estimate Support		8	8	8						4									28	
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment		**8**	**8**	**8**						**4**									**28**	**$ 5,520.00**
Task 11. Connections: Survey and Concept Design																				
a. Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection											8	52	27	42	96	10			235	
b. Conceptual Design of future connections				40	80														120	
Task 11 SUBTOTAL - Connections: Survey and Concept Design				**40**	**80**						**8**	**52**	**27**	**42**	**96**	**10**			**355**	**$ 39,420.00**
Total Hours		**540**	**272**	**838**	**766**	**320**	**388**	**376**	**120**	**284**	**28**	**205**	**146**	**209**	**336**	**62**	**776**	**49**	**5715**	**$ 805,430**
Labor Rate/hr	$ 290	$ 230	$ 250	$ 150	$ 100	$ 190	$ 120	$ 100	$ 260	$ 120	$ 190	$ 170	$ 160	$ 90	$ 60	$ 120	$ 110	$ 110		
Labor Cost	$ -	########	$ 68,000	$ 125,700	$ 76,600	$ 60,800	$ 46,560	$ 37,600	$ 31,200	$ 34,080	$ 5,320	$ 34,850	$ 23,360	$ 18,810	$ 20,160	$ 7,440	$ 85,360	$ 5,390		**$ 805,430**
Expenses														$ 8,449						**$ 8,449**
Additional Services																				
Total Cost	$ -	########	$ 68,000	$ 125,700	$ 76,600	$ 60,800	$ 46,560	$ 37,600	$ 31,200	$ 34,080	$ 5,320	$ 34,850	$ 23,360	$ 27,259	$ 20,160	$ 7,440	$ 85,360	$ 5,390		**$ 813,879**

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Communication Infrastructure Group								Totals		
	1	2	3	4	5	6	7	8			
	Principal	Counselor 1	Creative Art Director	Associate Creative Director	Account Supervisor	Associate 1	Administrative	Specialist	Totals		Total
	$ 215	$ 141	$ 126	$ 115	$ 129	$ 84	$ 84	$ 68			
Task 1. Project Management											
a. Project Kick-off Meeting											
1. Schedule, hold, & prep minutes											
b. PMT Meetings											
1. Monthly PMT meetings (15 total											
2. Prepare agenda & minutes											
3. Standing Design Meetings (bi-weekly, 30 total)											
c. Project Schedule											
1. Project Schedule Development and Maintenance (15 month:											
d. Monthly Progress Reports											
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin											
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin											
e. Quality Assurance / Quality Control											
1. Project Management Plan											
2. QA/QC Plan Development											
3. Project Management Plan Maintenance (1 hours / week for 65 Weeks)											
4. Interdisciplinary Reviews & QC included in each design phase below											
f. Submittal of Project Deliverables and Formats											
1. Effort included in each design phase below											
Task 1 SUBTOTAL - Project Management											**$ -**
Task 2. Stakeholder Engagement											
a. Develop Public Involvement Plan		8				12			20		
b. Develop and maintain stakeholder contact/distribution list		4				15			19		
c. Ongoing project communications	15	81	2	26	5	52	15	14	210		
d. Small group meetings		24				10			34		
e. Project Open House (1 assumed)		40		10		20		12	82		
f. Website content (City staff to create and update website with consultant team content)		18				12			30		
g. Translation services						50			50		
Task 2 SUBTOTAL - Stakeholder Engagement	**15**	**175**	**2**	**36**	**5**	**171**	**15**	**26**	**445**		**$ 50,329.00**
Task 3. Data Collection and Analysis											
a. Review of Existing Plans, Studies, and other Relevant Documentation											
1. Assemble all available information and reports											
2. Develop list of pertinent informatio											
b. Field Survey											
1. Land Survey											
Topo Survey and Control Establishment											
Obtain utility location maps											
Survey Utilities, including invert elevations											
Potholing (XX potholes included											
ROW Survey											
Prepare base map & existing ROW map											
2. Geotechnical Investigation, Pavement Design, Environmental Investigations											
Geotechnical Investigation and Report											
Phase I ESA											
c. Right-of-Way											
1. Identify ownership, boundary locations											
2. Prepare ROW ownership map											
3. Prepare ROW plans											
4. Prepare Title Commitments											
d. Drainage Analysis											
1. Hydraulics/Hydrology Study with water quality											
2. SWMP Plans											
3. Erosion Control Plans											
e. Utility Design											
1. Coordinate with utility companie											
2. Utility database (basefile)											
3. SUE Engineering Plans											
f. Lighting											
1. Lighting Plans and Specification											

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Communication Infrastructure Group								Totals		
	1	2	3	4	5	6	7	8			
	Principal	Counselor 1	Creative Art Director	Associate Creative Director	Account Supervisor	Associate 1	Administrative	Specialist	Totals		Total
	$ 215	$ 141	$ 126	$ 115	$ 129	$ 84	$ 84	$ 68			
g. Partner Agency Agreements and Coordination											
1. CDOT - US-85											
2. CML (RTD, UPRR, BNSF)											
h. ABC Analysis											
Task 3 SUBTOTAL - Data Collection and Analysis											**$ -**
Task 4. 30% Submittal											
a. Structures Selection Report											
1. Evaluate span configurations, phasing, etc.											
2. Conceptual Engineering											
3. Preliminary Layouts											
4. Preliminary quantities & Cost estimates											
5. Prepare SSR											
b. Preliminary Structural Plans											
1. 30% plan sheets											
2. Prefab Bridge Specification											
3. 30% Cost estimate											
c. Civil Engineering/Site Design											
1. Interdisciplinary Coordination											
2. Geometric Layout											
3. Plan sheets with horizontal contro											
4. 3D terrain model											
5. 30% quantities and Cost Estimate											
6. Review and report roadway and intersection compliance											
7. Urban Design and Aesthetics											
8. Construction Methods and Construction Phasing Analysis											
d. 30% Review Meeting											
Task 4 SUBTOTAL - 30% Submittal											**$ -**
Task 5. 60% Submittal											
a. 60% Structural Plans											
b. 60% Civil Plans											
c. 60% Quantities & Cost Estimate											
d. 60% Specifications											
e. Permitting											
1. CatEx											
2. Water Quality											
3. Other…											
f. 60% Review Meeting											
g. Revisions to 60% design and resubmit											
h. Negotiate Agreements											
1. CDOT - US-85											
2. CML (RTD, UPRR, BNSF)											
Task 5 SUBTOTAL - 60% Submittal											**$ -**
Task 6. 90% Submittal											
a. 90% Structural Plans											
b. 90% Civil Plans											
c. 90% Quantities & Cost Estimate											
d. 90% Specifications											
e. 90% Review Meeting											
f. Revisions to 90% design and resubmit											
Task 6 SUBTOTAL - 90% Submittal											**$ -**
Task 7. 100% Submittal											
a. 100% Structural Plans											
b. 100% Civil Plans											
c. 100% Quantities & Cost Estimate											

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Communication Infrastructure Group								Totals		
	1	2	3	4	5	6	7	8			
	Principal	Counselor 1	Creative Art Director	Associate Creative Director	Account Supervisor	Associate 1	Administrative	Specialist	Totals		Total
	$ 215	$ 141	$ 126	$ 115	$ 129	$ 84	$ 84	$ 68			
d. 100% Specifications											
e. 100% Review Meeting											
f. Revisions to 100% design and resubmit											
Task 7 SUBTOTAL - 100% Submittal											$ -
Task 8. Engineer's Opinion of Probable Cost - Included Abov											
Task 9. Bid and Construction Support Services											
a. Support During Bidding Process											
1. Respond to questions from Contractors											
2. Revisions under Advertisement											
b. Construction Schedule											
Task 9 SUBTOTAL - Bid and Construction Support Services											$ -
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment											
To Be Determined											
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment											$ -
Task 11. Connections Survey											
Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection											
Task 11 SUBTOTAL - Connections Survey											$ -
Total Hours	15	175	2	36	5	171	15	26	445		$ 50,329
Labor Rate/hr	$ 215	$ 141	$ 126	$ 115	$ 129	$ 84	$ 84	$ 68			
Labor Cost	$ 3,225	$ 24,675	$ 252	$ 4,140	$ 645	$ 14,364	$ 1,260	$ 1,768			$ 50,329
Expenses											
Total Cost											$ 50,329

Exhibit A

DIG Studio

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Dig Studio					
	1	2	3	Totals		
	Dig Studio - Principal	Dig Studio - Designer IV	Dig Studio - Designer II	Totals		Total
	$ 170	$ 125	$ 105			
Task 1. Project Management						
a. Project Kick-off Meeting						
1. Schedule, hold, & prep minutes	3	3		6		
b. PMT Meetings						
1. Monthly PMT meetings (15 total	8	15		23		
2. Prepare agenda & minutes						
3. Standing Design Meetings (bi-weekly, 30 total)	8	30		38		
c. Project Schedule						
1. Project Schedule Development and Maintenance (15 months						
d. Monthly Progress Reports						
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin		30		30		
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin	4	7		11		
e. Quality Assurance / Quality Control						
1. Project Management Plan						
2. QA/QC Plan Development						
3. Project Management Plan Maintenance (1 hours / week for 65 Weeks)						
4. Interdisciplinary Reviews & QC included in each design phase below						
f. Submittal of Project Deliverables and Formats						
1. Effort included in each design phase below						
Task 1 SUBTOTAL - Project Management	**23**	**85**		**108**		**$ 14,535.00**
Task 2. Stakeholder Engagement						
a. Develop Public Involvement Plan						
b. Develop and maintain stakeholder contact/distribution list						
c. Ongoing project communications						
d. Small group meetings						
e. Project Open House (1 assumed)	8	16	16	40		
f. Website content (City staff to create and update website with consultant team content)						
g. Translation services						
Task 2 SUBTOTAL - Stakeholder Engagement	**8**	**16**	**16**	**40**		**$ 5,040.00**
Task 3. Data Collection and Analysis						
a. Review of Existing Plans, Studies, and other Relevant Documentation						
1. Assemble all available information and reports	4	8	16	28		
2. Develop list of pertinent informatio	4	8	16	28		
b. Field Survey						
1. Land Survey						
Topo Survey and Control Establishment						
Obtain utility location maps						
Survey Utilities, including invert elevations						
Potholing (XX potholes included						
ROW Survey						
Prepare base map & existing ROW map						
2. Geotechnical Investigation, Pavement Design, Environmental Investigations						
Geotechnical Investigation and Report						
Phase I ESA						
c. Right-of-Way						
1. Identify ownership, boundary locations						
2. Prepare ROW ownership map						
3. Prepare ROW plans						
4. Prepare Title Commitments						
d. Drainage Analysis						
1. Hydraulics/Hydrology Study with water quality						
2. SWMP Plans						
3. Erosion Control Plans						
e. Utility Design						
1. Coordinate with utility companie						
2. Utility database (basefile)						
3. SUE Engineering Plans						
f. Lighting						
1. Lighting Plans and Specification						

Exhibit A

DIG Studio

Project Number:	**GO2018 Bond 2020-028**	**Ebid**	**7363904**		**Dig Studio**				
Description:	**Jewell/Evans Pedestrian Bridge**				1	2	3	Totals	
City Project Manager:	**Chris Krook, PE**				Dig Studio - Principal	Dig Studio - Designer IV	Dig Studio - Designer II	Totals	Total
Wilson Project Manager	**Mark Hildahl, PE**								
Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase									
Design phase assumed to be 15 Months, or 65 weeks									
TASK DESCRIPTION					$ 170	$ 125	$ 105		
g. Partner Agency Agreements and Coordination									
1. CDOT - US-85									
2. CML (RTD, UPRR, BNSF)									
h. ABC Analysis									
Task 3 SUBTOTAL - Data Collection and Analysis					**8**	**16**	**32**	**56**	**$ 6,720.00**
Task 4. 30% Submittal									
a. Structures Selection Report									
1. Evaluate span configurations, phasing, etc.									
2. Conceptual Engineering									
3. Preliminary Layouts									
4. Preliminary quantities & Cost estimates									
5. Prepare SSR									
b. Preliminary Structural Plans									
1. 30% plan sheets									
2. Prefab Bridge Specification									
3. 30% Cost estimate									
c. Civil Engineering/Site Design									
1. Interdisciplinary Coordination									
2. Geometric Layout									
3. Plan sheets with horizontal contro									
4. 3D terrain model					8	16	40	64	
5. 30% quantities and Cost Estimat						8	16	24	
6. Review and report roadway and intersection compliance									
7. Urban Design and Aesthetics					24	48	72	144	
8. Construction Methods and Construction Phasing Analysis									
d. 30% Review Meeting					4	4		8	
Task 4 SUBTOTAL - 30% Submittal					**36**	**76**	**128**	**240**	**$ 29,060.00**
Task 5. 60% Submittal									
a. 60% Structural Plans									
b. 60% Civil Plans					16	32	60	108	
c. 60% Quantities & Cost Estimate					2	8	16	26	
d. 60% Specifications					4	16		20	
e. Permitting									
1. CatEx									
2. Water Quality									
3. Other…									
f. 60% Review Meeting					4	4		8	
g. Revisions to 60% design and resubmit					8	24	32	64	
h. Negotiate Agreements									
1. CDOT - US-85									
2. CML (RTD, UPRR, BNSF)									
Task 5 SUBTOTAL - 60% Submittal					**34**	**84**	**108**	**226**	**$ 27,620.00**
Task 6. 90% Submittal									
a. 90% Structural Plans									
b. 90% Civil Plans					8	24	40	72	
c. 90% Quantities & Cost Estimate					2	4	8	14	
d. 90% Specifications					2	8			
e. 90% Review Meeting					4	4		8	
f. Revisions to 90% design and resubmit					4	12	16	32	
Task 6 SUBTOTAL - 90% Submittal					**20**	**52**	**64**	**126**	**$ 16,620.00**
Task 7. 100% Submittal									
a. 100% Structural Plans									
b. 100% Civil Plans					8	24	40	72	
c. 100% Quantities & Cost Estimate					2	4	8	14	

Exhibit A

DIG Studio

Project Number:	**GO2018 Bond 2020-028**	**Ebid**	**7363904**		**Dig Studio**					
Description:	**Jewell/Evans Pedestrian Bridge**				1	2	3	Totals		
City Project Manager:	**Chris Krook, PE**				Dig Studio - Principal	Dig Studio - Designer IV	Dig Studio - Designer II	Totals		Total
Wilson Project Manager	**Mark Hildahl, PE**									
Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase										
Design phase assumed to be 15 Months, or 65 weeks										
TASK DESCRIPTION					$ 170	$ 125	$ 105			
d. 100% Specifications					2	8				
e. 100% Review Meeting					4	4		8		
f. Revisions to 100% design and resubmit					8	16	32	56		
Task 7 SUBTOTAL - 100% Submittal					**24**	**56**	**80**	**150**		**$ 19,480.00**
Task 8. Engineer's Opinion of Probable Cost - Included Abov										
Task 9. Bid and Construction Support Services										
a. Support During Bidding Process										
1. Respond to questions from Contractors					4	8	4	16		
2. Revisions under Advertisement					4	12	6	22		
b. Construction Schedule										
Task 9 SUBTOTAL - Bid and Construction Support Services					**8**	**20**	**10**	**38**		**$ 4,910.00**
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment										
To Be Determined										
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment										**$ -**
Task 11. Connections Survey										
Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection										
Task 11 SUBTOTAL - Connections Survey										**$ -**
				Total Hours	**161**	**405**	**438**	**984**		**$ 123,985**
				Labor Rate/hr	$ 170	$ 125	$ 105			
				Labor Cost	$ 27,370	$ 50,625	$ 45,990			**$ 123,985**
				Expenses		Not to exceed	$ 4,375			**$ 4,375**
				Total Cost						**$ 128,360**

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Triunity 1 Senior PM (Railroad Coordination) $ 185	2 Project Manager $ 175	3 Project Engineer $ 120	4 CAD/Designer $ 115	5 Admin $ 85	Totals Totals	Total
Task 1. Project Management							
a. Project Kick-off Meeting							
1. Schedule, hold, & prep minutes	2	2				4	
b. PMT Meetings							
1. Monthly PMT meetings (15 total)							
2. Prepare agenda & minutes							
3. Standing Design Meetings (bi-weekly, 30 total)	15	15				30	
c. Project Schedule							
1. Project Schedule Development and Maintenance (15 months)							
d. Monthly Progress Reports							
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin							
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin		8			15	23	
e. Quality Assurance / Quality Control							
1. Project Management Plan							
2. QA/QC Plan Development							
3. Project Management Plan Maintenance (1 hours / week for 65 Weeks)							
4. Interdisciplinary Reviews & QC included in each design phase below							
f. Submittal of Project Deliverables and Formats							
1. Effort included in each design phase below							
Task 1 SUBTOTAL - Project Management	**17**	**25**			**15**	**57**	**$ 8,795.00**
Task 2. Stakeholder Engagement							
a. Develop Public Involvement Plan							
b. Develop and maintain stakeholder contact/distribution list							
c. Ongoing project communications							
d. Small group meetings							
e. Project Open House (1 assumed)							
f. Website content (City staff to create and update website with consultant team content)							
g. Translation services							
Task 2 SUBTOTAL - Stakeholder Engagement							**$ -**
Task 3. Data Collection and Analysis							
a. Review of Existing Plans, Studies, and other Relevant Documentation							
1. Assemble all available information and reports		4	8			12	
2. Develop list of pertinent information							
b. Field Survey							
1. Land Survey							
Topo Survey and Control Establishment							
Obtain utility location maps			4			4	
Survey Utilities, including invert elevations			16			16	
Potholing (XX potholes included)			16			16	
ROW Survey							
Prepare base map & existing ROW map							
2. Geotechnical Investigation, Pavement Design, Environmental Investigations							
Geotechnical Investigation and Report							
Phase I ESA							
c. Right-of-Way							
1. Identify ownership, boundary locations							
2. Prepare ROW ownership map							
3. Prepare ROW plans							
4. Prepare Title Commitments							
d. Drainage Analysis							
1. Hydraulics/Hydrology Study with water quality							
2. SWMP Plans							
3. Erosion Control Plans							
e. Utility Design							
1. Coordinate with utility companies		8	24			32	
2. Utility database (basefile)		4	16	8		28	
3. SUE Engineering Plans		8	16	8		32	
f. Lighting							
1. Lighting Plans and Specifications							
g. Partner Agency Agreements and Coordination							
1. CDOT - US-85							
2. BNSF PE Agreement Assumes kickoff meeting and PE Agreement coordination with CCD and BNSF	24					24	

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION		Triunity 1 Senior PM (Railroad Coordination) $ 185	2 Project Manager $ 175	3 Project Engineer $ 120	4 CAD/Designer $ 115	5 Admin $ 85	Totals Totals		Totals Total
3. UPRR PE Agreement	Assumes kickoff meeting and PE Agreement coordination with CCD and BNSF	24					24		
4. RTD Agreements	Assumes kickoff meeting and coordination with CCD and RTD	24					24		
h. ABC Analysis									
Task 3 SUBTOTAL - Data Collection and Analysis		**72**	**24**	**100**	**16**		**212**		**$ 31,360.00**
Task 4. 30% Submittal									
a. Structures Selection Report									
1. Evaluate span configurations, phasing, etc.									
2. Conceptual Engineering									
3. Preliminary Layouts									
4. Preliminary quantities & Cost estimates									
5. Prepare SSR									
b. Preliminary Structural Plans									
1. 30% plan sheets									
2. Prefab Bridge Specification									
3. 30% Cost estimate									
c. Civil Engineering/Site Design									
1. Interdisciplinary Coordination			4	4			8		
2. Geometric Layout									
3. Plan sheets with horizontal control			2	8			10		
4. 3D terrain model									
5. 30% quantities and Cost Estimate			2	4			6		
6. Review and report roadway and intersection compliance									
7. Urban Design and Aesthetics									
8. Construction Methods and Construction Phasing Analysis									
d. 30% Review Meeting									
e. 30% Agency Design Coordination									
1. BNSF	Assumes prep, design review meeting, Comment review meeting, Comment resolution meeting, initiate C&M Agreement,	20					20		
2. UPRR	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with UPRR	16					16		
3. RTD	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with RTD	16					16		
f. RTD Agreement Negotiations									
1. Engineering review	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with RTD	16					16		
2. Legal/Agreement review	Assumes submittal package, coordination with RTD	8					8		
Task 4 SUBTOTAL - 30% Submittal		**76**	**8**	**16**			**100**		**$ 17,380.00**
Task 5. 60% Submittal									
a. 60% Structural Plans									
b. 60% Civil Plans			2	8			10		
c. 60% Quantities & Cost Estimate			2	4			6		
d. 60% Specifications			4	8			12		
e. Permitting									
1. CatEx									
2. Water Quality									
3. Other…									
f. 60% Review Meeting			1				1		
g. Revisions to 60% design and resubmit			1	2			3		
h. Negotiate Agreements									
1. CDOT - US-85									
2. BNSF Agreement	Coord with BNSF/CCD/CAO	20					20		
3. RTD Agreement	Coord with RTD/CCD/CAO	20					20		
e. 60% Agency Design Coordination									
1. BNSF	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with BNSF	24					24		
2. UPRR	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with UPRR	20					20		
3. RTD	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with RTD	20					20		
Task 5 SUBTOTAL - 60% Submittal		**104**	**10**	**22**			**136**		**$ 23,630.00**
Task 6. 90% Submittal									
a. 90% Structural Plans									
b. 90% Civil Plans			2	8			10		
c. 90% Quantities & Cost Estimate			2	4			6		
d. 90% Specifications			4	8			12		
e. 90% Review Meeting			1	2			3		
f. Revisions to 90% design and resubmit									
g. Negotiate Agreements									
1. CDOT - US-85									

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION		Triunity 1 Senior PM (Railroad Coordination) $ 185	2 Project Manager $ 175	3 Project Engineer $ 120	4 CAD/Designer $ 115	5 Admin $ 85	Totals Totals	Total
2. BNSF Agreement	Coord with BNSF/CCD/CAO	20					20	
3. RTD Agreement	Coord with RTD/CCD/CAO	20					20	
h. 90% Agency Design Coordination								
1. BNSF	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with BNSF	24					24	
2. UPRR	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with UPRR	20					20	
3. RTD	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with RTD	20					20	
Task 6 SUBTOTAL - 90% Submittal		**104**	**9**	**22**			**135**	**$ 23,455.00**
Task 7. 100% Submittal								
a. 100% Structural Plans								
b. 100% Civil Plans			2	4			6	
c. 100% Quantities & Cost Estimate			1	2			3	
d. 100% Specifications			1	2			3	
e. 100% Review Meeting			1				1	
f. Revisions to 100% design and resubmit			1	2			3	
g. Negotiate Agreements								
1. CDOT - US-85								
2. BNSF Agreement	Coord with BNSF/CCD/CAO	20					20	
3. RTD Agreement	Coord with RTD/CCD/CAO	20					20	
h. 100% Agency Design Coordination								
1. BNSF	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with BNSF	24					24	
2. UPRR	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with UPRR	20					20	
3. RTD	Assumes prep, Design review meeting, Comment review meeting, Comment resolution meeting, Coord with RTD	20					20	
Task 7 SUBTOTAL - 100% Submittal		**104**	**6**	**10**			**120**	**$ 21,490.00**
Task 8. Engineer's Opinion of Probable Cost - Included Above								
Task 9. Bid and Construction Support Services								
a. Support During Bidding Process								
1. Respond to questions from Contractors			2				2	
2. Revisions under Advertisement								
b. Construction Schedule								
Task 9 SUBTOTAL - Bid and Construction Support Services			**2**				**2**	**$ 350.00**
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment								
To Be Determined								
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment								**$ -**
Task 11. Connections Survey								
Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection								
Task 11 SUBTOTAL - Connections Survey								**$ -**
	Total Hours	**477**	**84**	**170**	**16**	**15**	**762**	**$ 126,460**
	Labor Rate/hr	$ 185	$ 175	$ 120	$ 115	$ 85		
	Labor Cost	$ 88,245	$ 14,700	$ 20,400	$ 1,840	$ 1,275		**$ 126,460**
	Expenses						$ 22,000	**$ 22,000**
	Total Cost							**$ 148,460**

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Pinyon 1 Project Assistant $ 86	2 Sr Engineer/Scientist $ 201	3 Project Manager $ 153	4 Staff II Engineer/Scientist $ 94	5 Project Specialist $ 127	6 Project Engineer/Scientist $ 110	Totals Totals	Total
Task 1. Project Management								
a. Project Kick-off Meeting								
1. Schedule, hold, & prep minutes								
b. PMT Meetings								
1. Monthly PMT meetings (15 total)								
2. Prepare agenda & minutes								
3. Standing Design Meetings (bi-weekly, 30 total)								
c. Project Schedule								
1. Project Schedule Development and Maintenance (15 months)								
d. Monthly Progress Reports								
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin								
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin								
e. Quality Assurance / Quality Control								
1. Project Management Plan								
2. QA/QC Plan Development								
3. Project Management Plan Maintenance (1 hours / week for 65 Weeks)								
4. Interdisciplinary Reviews & QC included in each design phase below								
f. Submittal of Project Deliverables and Formats								
1. Effort included in each design phase below								
Task 1 SUBTOTAL - Project Management								**$ -**
Task 2. Stakeholder Engagement								
a. Develop Public Involvement Plan								
b. Develop and maintain stakeholder contact/distribution list								
c. Ongoing project communications								
d. Small group meetings								
e. Project Open House (1 assumed)								
f. Website content (City staff to create and update website with consultant team content)								
g. Translation services								
Task 2 SUBTOTAL - Stakeholder Engagement								**$ -**
Task 3. Data Collection and Analysis								
a. Review of Existing Plans, Studies, and other Relevant Documentation								
1. Assemble all available information and reports								
2. Develop list of pertinent information								
b. Field Survey								
1. Land Survey								
Topo Survey and Control Establishment								
Obtain utility location maps								
Survey Utilities, including invert elevations								
Potholing (XX potholes included)								
ROW Survey								
Prepare base map & existing ROW map								
2. Geotechnical Investigation, Pavement Design, Environmental Investigations								
Geotechnical Investigation and Report								
Phase I ESA		12	16	120		4	152	
c. Right-of-Way								
1. Identify ownership, boundary locations								
2. Prepare ROW ownership map								
3. Prepare ROW plans								
4. Prepare Title Commitments								
d. Drainage Analysis								
1. Hydraulics/Hydrology Study with water quality								
2. SWMP Plans								
3. Erosion Control Plans								
e. Utility Design								
1. Coordinate with utility companies								
2. Utility database (basefile)								
3. SUE Engineering Plans								
f. Lighting								
1. Lighting Plans and Specifications								

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Pinyon 1 Project Assistant $ 86	2 Sr Engineer/Scientist $ 201	3 Project Manager $ 153	4 Staff II Engineer/Scientist $ 94	5 Project Specialist $ 127	6 Project Engineer/Scientist $ 110	Totals Totals		Totals Total
g. Partner Agency Agreements and Coordination									
1. CDOT - US-85									
2. CML (RTD, UPRR, BNSF)									
h. ABC Analysis									
Task 3 SUBTOTAL - Data Collection and Analysis		**12**	**16**	**120**		**4**	**152**		**$ 16,580.00**
Task 4. 30% Submittal									
a. Structures Selection Report									
1. Evaluate span configurations, phasing, etc.									
2. Conceptual Engineering									
3. Preliminary Layouts									
4. Preliminary quantities & Cost estimates									
5. Prepare SSR									
b. Preliminary Structural Plans									
1. 30% plan sheets									
2. Prefab Bridge Specification									
3. 30% Cost estimate									
c. Civil Engineering/Site Design									
1. Interdisciplinary Coordination									
2. Geometric Layout									
3. Plan sheets with horizontal control									
4. 3D terrain model									
5. 30% quantities and Cost Estimate									
6. Review and report roadway and intersection compliance									
7. Urban Design and Aesthetics									
8. Construction Methods and Construction Phasing Analysis									
d. 30% Review Meeting									
Task 4 SUBTOTAL - 30% Submittal									**$ -**
Task 5. 60% Submittal									
a. 60% Structural Plans									
b. 60% Civil Plans									
c. 60% Quantities & Cost Estimate									
d. 60% Specifications									
e. Permitting									
1. CatEx	12	74	20		64	108	278		
2. Water Quality									
3. Other…									
f. 60% Review Meeting									
g. Revisions to 60% design and resubmit									
h. Negotiate Agreements									
1. CDOT - US-85									
2. CML (RTD, UPRR, BNSF)									
Task 5 SUBTOTAL - 60% Submittal	**12**	**74**	**20**		**64**	**108**	**278**		**$ 38,974.00**
Task 6. 90% Submittal									
a. 90% Structural Plans									
b. 90% Civil Plans									
c. 90% Quantities & Cost Estimate									
d. 90% Specifications									
e. 90% Review Meeting									
f. Revisions to 90% design and resubmit									
Task 6 SUBTOTAL - 90% Submittal									**$ -**
Task 7. 100% Submittal									
a. 100% Structural Plans									
b. 100% Civil Plans									
c. 100% Quantities & Cost Estimate									

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Pinyon 1 Project Assistant	2 Sr Engineer/Scientist	3 Project Manager	4 Staff II Engineer/Scientist	5 Project Specialist	6 Project Engineer/Scientist	Totals		Total
	$ 86	$ 201	$ 153	$ 94	$ 127	$ 110			
d. 100% Specifications									
e. 100% Review Meeting									
f. Revisions to 100% design and resubmit									
Task 7 SUBTOTAL - 100% Submittal									$ -
Task 8. Engineer's Opinion of Probable Cost - Included Above									
Task 9. Bid and Construction Support Services									
a. Support During Bidding Process									
1. Respond to questions from Contractors									
2. Revisions under Advertisement									
b. Construction Schedule									
Task 9 SUBTOTAL - Bid and Construction Support Services									$ -
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment									
To Be Determined									
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment									$ -
Task 11. Connections Survey									
Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection									
Task 11 SUBTOTAL - Connections Survey									$ -
Total Hours	**12**	**86**	**36**	**120**	**64**	**112**	**430**		**$ 55,554**
Labor Rate/hr	$ 86	$ 201	$ 153	$ 94	$ 127	$ 110			
Labor Cost	$ 1,032	$ 17,286	$ 5,508	$ 11,280	$ 8,128	$ 12,320			**$ 55,554**
Expenses	8321.8								**$ 8,322**
COMPASS Databse	75								
GPS	250								
Haz Mat Samples & Geosearch	7996.8								
Total Cost									**$ 63,875.80**

Project Number:	GO2018 Bond 2020-028	Ebid	7363904		Leese & Assoc.					
Description:	Jewell/Evans Pedestrian Bridge				1	2	3	Totals		
City Project Manager:	Chris Krook, PE				Staff Category PM II	Staff Category 2 CAD Technician		Totals		Total
Wilson Project Manager	Mark Hildahl, PE									
Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase										
Design phase assumed to be 15 Months, or 65 weeks										
TASK DESCRIPTION					$ 135	$ 70				
Task 1. Project Management										
a. Project Kick-off Meeting										
1. Schedule, hold, & prep minutes					2			2		
b. PMT Meetings										
1. Monthly PMT meetings (15 total										
2. Prepare agenda & minutes										
3. Standing Design Meetings (bi-weekly, 30 total)					20			20		
c. Project Schedule										
1. Project Schedule Development and Maintenance (15 months										
d. Monthly Progress Reports										
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin										
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin										
e. Quality Assurance / Quality Control										
1. Project Management Plan										
2. QA/QC Plan Development										
3. Project Management Plan Maintenance (1 hours / week for 65 Weeks)										
4. Interdisciplinary Reviews & QC included in each design phase below										
f. Submittal of Project Deliverables and Formats										
1. Effort included in each design phase below										
Task 1 SUBTOTAL - Project Management					**22**			**22**		**$ 2,970.00**
Task 2. Stakeholder Engagement										
a. Develop Public Involvement Plan										
b. Develop and maintain stakeholder contact/distribution list										
c. Ongoing project communications										
d. Small group meetings										
e. Project Open House (1 assumed)										
f. Website content (City staff to create and update website with consultant team content)										
g. Translation services										
Task 2 SUBTOTAL - Stakeholder Engagement										**$ -**
Task 3. Data Collection and Analysis										
a. Review of Existing Plans, Studies, and other Relevant Documentation										
1. Assemble all available information and reports										
2. Develop list of pertinent information										
b. Field Survey										
1. Land Survey										
Topo Survey and Control Establishment										
Obtain utility location maps										
Survey Utilities, including invert elevations										
Potholing (XX potholes included										
ROW Survey										
Prepare base map & existing ROW map										
2. Geotechnical Investigation, Pavement Design, Environmental Investigations										
Geotechnical Investigation and Report										
Phase I ESA										
c. Right-of-Way										
1. Identify ownership, boundary locations										
2. Prepare ROW ownership map										
3. Prepare ROW plans										
4. Prepare Title Commitments										
d. Drainage Analysis										
1. Hydraulics/Hydrology Study with water quality										
2. SWMP Plans										
3. Erosion Control Plans										
e. Utility Design										
1. Coordinate with utility companie										
2. Utility database (basefile)										
3. SUE Engineering Plans										
f. Lighting										
1. Lighting Plans and Specification					16			16		

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Leese & Assoc. 1 Staff Category PM II $ 135	2 Staff Category 2 CAD Technician $ 70	3	Totals Totals		Total
g. Partner Agency Agreements and Coordination						
1. CDOT - US-85						
2. CML (RTD, UPRR, BNSF)						
h. ABC Analysis						
Task 3 SUBTOTAL - Data Collection and Analysis	**16**			**16**		**$ 2,160.00**
Task 4. 30% Submittal						
a. Structures Selection Report						
1. Evaluate span configurations, phasing, etc.						
2. Conceptual Engineering						
3. Preliminary Layouts						
4. Preliminary quantities & Cost estimates						
5. Prepare SSR						
b. Preliminary Structural Plans						
1. 30% plan sheets						
2. Prefab Bridge Specification						
3. 30% Cost estimate						
c. Civil Engineering/Site Design						
1. Interdisciplinary Coordination						
2. Geometric Layout						
3. Plan sheets with horizontal contro						
4. 3D terrain model						
5. 30% quantities and Cost Estimat						
6. Review and report roadway and intersection compliance						
7. Urban Design and Aesthetics	144	120		264		
8. Construction Methods and Construction Phasing Analysis						
d. 30% Review Meeting						
Task 4 SUBTOTAL - 30% Submittal	**144**	**120**		**264**		**$ 27,840.00**
Task 5. 60% Submittal						
a. 60% Structural Plans						
b. 60% Civil Plans	48	24		72		
c. 60% Quantities & Cost Estimate						
d. 60% Specifications						
e. Permitting						
1. CatEx						
2. Water Quality						
3. Other…						
f. 60% Review Meeting						
g. Revisions to 60% design and resubmit	16			16		
h. Negotiate Agreements						
1. CDOT - US-85						
2. CML (RTD, UPRR, BNSF)						
Task 5 SUBTOTAL - 60% Submittal	**64**	**24**		**88**		**$ 10,320.00**
Task 6. 90% Submittal						
a. 90% Structural Plans						
b. 90% Civil Plans	16	24		40		
c. 90% Quantities & Cost Estimate						
d. 90% Specifications						
e. 90% Review Meeting						
f. Revisions to 90% design and resubmit	16			16		
Task 6 SUBTOTAL - 90% Submittal	**32**	**24**		**56**		**$ 6,000.00**
Task 7. 100% Submittal						
a. 100% Structural Plans						
b. 100% Civil Plans	24	16		40		
c. 100% Quantities & Cost Estimate						

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Leese & Assoc. 1 Staff Category PM II	2 Staff Category 2 CAD Technician	3	Totals Totals		Total
	$ 135	$ 70				
d. 100% Specifications						
e. 100% Review Meeting						
f. Revisions to 100% design and resubmit	8	8		16		
Task 7 SUBTOTAL - 100% Submittal	**32**	**24**		**56**		**$ 6,000.00**
Task 8. Engineer's Opinion of Probable Cost - Included Abov						
Task 9. Bid and Construction Support Services						
a. Support During Bidding Process						
1. Respond to questions from Contractors	16	4		20		
2. Revisions under Advertisement						
b. Construction Schedule						
Task 9 SUBTOTAL - Bid and Construction Support Services	**16**	**4**		**20**		**$ 2,440.00**
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment						
To Be Determined						
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment						**$ -**
Task 11. Connections Survey						
Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection						
Task 11 SUBTOTAL - Connections Survey						**$ -**
Total Hours	**326**	**196**		**522**		**$ 57,730**
Labor Rate/hr	$ 135	$ 70	$ -			
Labor Cost	$ 44,010	$ 13,720	$ -			**$ 57,730**
Expenses						
Total Cost						**$ 57,730**

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	LS Gallegos 1 Cost Estimate Manager $ 247	2 Senior Cost Estimator $ 118	Totals		Total
Task 1. Project Management					
a. Project Kick-off Meeting					
1. Schedule, hold, & prep minutes					
b. PMT Meetings					
1. Monthly PMT meetings (15 total					
2. Prepare agenda & minutes					
3. Standing Design Meetings (bi-weekly, 30 total)	16	4	20		
c. Project Schedule					
1. Project Schedule Development and Maintenance (15 month:					
d. Monthly Progress Reports					
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin					
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin					
e. Quality Assurance / Quality Control					
1. Project Management Plan					
2. QA/QC Plan Development					
3. Project Management Plan Maintenance (1 hours / week for 65 Weeks)					
4. Interdisciplinary Reviews & QC included in each design phase below					
f. Submittal of Project Deliverables and Formats					
1. Effort included in each design phase below					
Task 1 SUBTOTAL - Project Management	**16**	**4**	**20**		**$ 4,421.88**
Task 2. Stakeholder Engagement					
a. Develop Public Involvement Plan					
b. Develop and maintain stakeholder contact/distribution list					
c. Ongoing project communications					
d. Small group meetings					
e. Project Open House (1 assumed)					
f. Website content (City staff to create and update website with consultant team content)					
g. Translation services					
Task 2 SUBTOTAL - Stakeholder Engagement					**$ -**
Task 3. Data Collection and Analysis					
a. Review of Existing Plans, Studies, and other Relevant Documentation					
1. Assemble all available information and reports					
2. Develop list of pertinent informatio:					
b. Field Survey					
1. Land Survey					
Topo Survey and Control Establishment					
Obtain utility location maps					
Survey Utilities, including invert elevations					
Potholing (XX potholes included					
ROW Survey					
Prepare base map & existing ROW map					
2. Geotechnical Investigation, Pavement Design, Environmental Investigations					
Geotechnical Investigation and Report					
Phase I ESA					
c. Right-of-Way					
1. Identify ownership, boundary locations					
2. Prepare ROW ownership map					
3. Prepare ROW plans					
4. Prepare Title Commitments					
d. Drainage Analysis					
1. Hydraulics/Hydrology Study with water quality					
2. SWMP Plans					
3. Erosion Control Plans					
e. Utility Design					
1. Coordinate with utility companie					
2. Utility database (basefile)					
3. SUE Engineering Plans					
f. Lighting					
1. Lighting Plans and Specification					

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	LS Gallegos 1 Cost Estimate Manager $ 247	2 Senior Cost Estimator $ 118	Totals		Total
g. Partner Agency Agreements and Coordination					
1. CDOT - US-85					
2. CML (RTD, UPRR, BNSF)					
h. ABC Analysis					
Task 3 SUBTOTAL - Data Collection and Analysis					**$ -**
Task 4. 30% Submittal					
a. Structures Selection Report					
1. Evaluate span configurations, phasing, etc.					
2. Conceptual Engineering					
3. Preliminary Layouts					
4. Preliminary quantities & Cost estimates		24	24		
5. Prepare SSR					
b. Preliminary Structural Plans					
1. 30% plan sheets					
2. Prefab Bridge Specification					
3. 30% Cost estimate	4	40	44		
c. Civil Engineering/Site Design					
1. Interdisciplinary Coordination					
2. Geometric Layout					
3. Plan sheets with horizontal contrc					
4. 3D terrain model					
5. 30% quantities and Cost Estimat					
6. Review and report roadway and intersection compliance					
7. Urban Design and Aesthetics					
8. Construction Methods and Construction Phasing Analysis					
d. 30% Review Meeting	2	2	4		
Task 4 SUBTOTAL - 30% Submittal	**6**	**66**	**72**		**$ 9,278.88**
Task 5. 60% Submittal					
a. 60% Structural Plans					
b. 60% Civil Plans					
c. 60% Quantities & Cost Estimate	4	40			
d. 60% Specifications					
e. Permitting					
1. CatEx					
2. Water Quality					
3. Other…					
f. 60% Review Meeting	2	2			
g. Revisions to 60% design and resubmit	2	4			
h. Negotiate Agreements					
1. CDOT - US-85					
2. CML (RTD, UPRR, BNSF)					
Task 5 SUBTOTAL - 60% Submittal	**8**	**46**			**$ 7,409.54**
Task 6. 90% Submittal					
a. 90% Structural Plans					
b. 90% Civil Plans					
c. 90% Quantities & Cost Estimate	4	24	28		
d. 90% Specifications					
e. 90% Review Meeting	2	2	4		
f. Revisions to 90% design and resubmit	2	4	6		
Task 6 SUBTOTAL - 90% Submittal	**8**	**30**	**38**		**$ 5,519.14**
Task 7. 100% Submittal					
a. 100% Structural Plans					
b. 100% Civil Plans					
c. 100% Quantities & Cost Estimate	2	20	22		

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	LS Gallegos 1 Cost Estimate Manager	2 Senior Cost Estimator	Totals Totals		Total
	$ 247	$ 118			
d. 100% Specifications					
e. 100% Review Meeting	2	2	4		
f. Revisions to 100% design and resubmit	2	4	6		
Task 7 SUBTOTAL - 100% Submittal	**6**	**26**	**32**		**$ 4,552.88**
Task 8. Engineer's Opinion of Probable Cost - Included Abov					
Task 9. Bid and Construction Support Services					
a. Support During Bidding Process					
1. Respond to questions from Contractors					
2. Revisions under Advertisement					
b. Construction Schedule					
Task 9 SUBTOTAL - Bid and Construction Support Services					**$ -**
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment					
To Be Determined					
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment					**$ -**
Task 11. Connections Survey					
Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection					
Task 11 SUBTOTAL - Connections Survey					**$ -**
Total Hours	**44**	**172**	**162**		**$ 31,182**
Labor Rate/hr	$ 247	$ 118			
Labor Cost	$ 10,861	$ 20,322			**$ 31,182**
Expenses					
Total Cost					**$ 31,182**

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	PK Electric 1 Principal $ 225	2 Engineering Manager $ 190	3 Designer $ 150	4 Production $ 125	5 Admin/Office $ 80	6	Totals Totals		Total
Task 1. Project Management									
a. Project Kick-off Meeting									
1. Schedule, hold, & prep minutes		2	4				6		
b. PMT Meetings									
1. Monthly PMT meetings (15 total) PK to attend half only		2	8				10		
2. Prepare agenda & minutes									
3. Standing Design Meetings (bi-weekly, 30 total)		8	30				38		
c. Project Schedule									
1. Project Schedule Development and Maintenance (15 months									
d. Monthly Progress Reports									
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin									
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin	15				15		30		
e. Quality Assurance / Quality Control									
1. Project Management Plan									
2. QA/QC Plan Development									
3. Project Management Plan Maintenance (1 hours / week for 65 Weeks)									
4. Interdisciplinary Reviews & QC included in each design phase below									
f. Submittal of Project Deliverables and Formats									
1. Effort included in each design phase below									
Task 1 SUBTOTAL - Project Management	**15**	**12**	**42**		**15**		**84**		**$ 13,155.00**
Task 2. Stakeholder Engagement									
a. Develop Public Involvement Plan									
b. Develop and maintain stakeholder contact/distribution list									
c. Ongoing project communications									
d. Small group meetings									
e. Project Open House (1 assumed) No attendance for PK									
f. Website content (City staff to create and update website with consultant team content)									
g. Translation services									
Task 2 SUBTOTAL - Stakeholder Engagement									**$ -**
Task 3. Data Collection and Analysis									
a. Review of Existing Plans, Studies, and other Relevant Documentation		2	4				6		
b. Field Survey									
1. on-site existing conditions validatio			4	1			5		
e. Utility Design									
1. Coordinate with utility companie		1	4				5		
f. Lighting									
1. Lighting Plans and Specification		1	2	1			4		
Task 3 SUBTOTAL - Data Collection and Analysis		**4**	**14**	**2**			**20**		**$ 3,110.00**
Task 4. 30% Submittal									
a. Electrical & Lighting									
1. Power		2	8	6			16		
2. Lighting		2	16	6			24		
3. Cost Estimate		1	2				3		
4. Quantities		1	2	2			5		
5. QC	1	2	2	2			7		
d. 30% Review Meeting			4				4		
Task 4 SUBTOTAL - 30% Submittal	**1**	**8**	**34**	**16**			**59**		**$ 8,845.00**
Task 5. 60% Submittal									
a. Electrical & Lighting									
1. Incorporate comments from 30%		1	1	2			4		

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904	
Description:	Jewell/Evans Pedestrian Bridge			
City Project Manager:	Chris Krook, PE			
Wilson Project Manager	Mark Hildahl, PE			

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	PK Electric 1 Principal $ 225	2 Engineering Manager $ 190	3 Designer $ 150	4 Production $ 125	5 Admin/Office $ 80	6	Totals Totals		Total Total
2. Power		2	8	6			16		
3. Lighting		2	6	6			14		
4. Cost Estimate		1	2	2			5		
4. Quantities		1	2	2			5		
6. Specifications		1	4		2		7		
7. QC		2	2	2			6		
b. 60% Review Meeting			4				4		
c. Revisions to 60% design and resubmit		2	2	2			6		
Task 5 SUBTOTAL - 60% Submittal		**12**	**31**	**22**	**2**		**67**		**$ 9,840.00**
Task 6. 90% Submittal									
a. Electrical & Lighting									
1. Power		2	6	6			14		
2. Lighting		2	4	4			10		
3. Cost Estimate		1	2	2			5		
4. Quantities			2	2			4		
5. Specifications		1	4		2		7		
6. QC		2	2	2			6		
b. 90% Review Meeting			4				4		
c. Revisions to 90% design and resubmit		2	2	2			6		
Task 6 SUBTOTAL - 90% Submittal		**10**	**26**	**18**	**2**		**56**		**$ 8,210.00**
Task 7. 100% Submittal									
a. Electrical & Lighting									
1. Power		1	4	4			9		
2. Lighting		1	2	2			5		
3. Cost Estimate		1	2				3		
4. Quantities		1	1	1			3		
5. Specifications		1	1		2		4		
6. QC		2	2	2			6		
b. 100% Review Meeting			2				2		
c. Revisions to 100% design and resubmit		1	1	1			3		
Task 7 SUBTOTAL - 100% Submittal		**8**	**15**	**10**	**2**		**35**		**$ 5,180.00**
Task 8. Engineer's Opinion of Probable Cost - Included Abov									
Task 9. Bid and Construction Support Services									
a. Support During Bidding Process									
1. Respond to questions from Contractors		4	12				16		
2. Revisions under Advertisement			12	12			24		
b. Construction Schedule									
Task 9 SUBTOTAL - Bid and Construction Support Services		**4**	**24**	**12**			**40**		**$ 5,860.00**
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment									
To Be Determined									
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment									**$ -**
Task 11. Connections Survey									
Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection									
Task 11 SUBTOTAL - Connections Survey									**$ -**
Total Hours	**16**	**58**	**186**	**80**	**21**		**361**		**$ 54,200**
Labor Rate/hr	$ 225	$ 190	$ 150	$ 125	$ 80	$ -			

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904	
Description:	Jewell/Evans Pedestrian Bridge			
City Project Manager:	Chris Krook, PE			
Wilson Project Manager	Mark Hildahl, PE			

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	PK Electric								
	1	2	3	4	5	6	Totals		
	Principal	Engineering Manager	Designer	Production	Admin/Office		Totals		Total
	$ 225	$ 190	$ 150	$ 125	$ 80				
Labor Cost	$ 3,600	$ 11,020	$ 27,900	$ 10,000	$ 1,680	$ -			**$ 54,200**
Expenses									
Total Cost									**$ 54,200**

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904								
Description:	Jewell/Evans Pedestrian Bridge			Fox Tuttle							
City Project Manager:	Chris Krook, PE			1	2	3	4	Totals			
Wilson Project Manager	Mark Hildahl, PE			Principal I, PIC	Transportation Engineer II, PM		Administrator/Project Coordinator	Totals			Total
Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase Design phase assumed to be 15 Months, or 65 weeks				$ 190	$ 155		$ 80				
TASK DESCRIPTION											
Task 1. Project Management											
a. Project Kick-off Meeting											
1. Schedule, hold, & prep minutes				2				2			
b. PMT Meetings											
1. Monthly PMT meetings (15 total	FT attends 5			10				10			
2. Prepare agenda & minutes											
3. Standing Design Meetings (bi-weekly, 30 total)	FT attend 10 (2 of us at 2)			6	6			12			
c. Project Schedule											
1. Project Schedule Development and Maintenance (15 month:											
d. Monthly Progress Reports											
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin					20			20			
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin					7		7	14			
e. Quality Assurance / Quality Control											
1. Project Management Plan											
2. QA/QC Plan Development											
3. Project Management Plan Maintenance (1 hours / week for 65 Weeks)											
4. Interdisciplinary Reviews & QC included in each design phase below											
f. Submittal of Project Deliverables and Formats											
1. Effort included in each design phase below											
Task 1 SUBTOTAL - Project Management				**18**	**33**		**7**	**58**			**$ 9,095.00**
Task 2. Stakeholder Engagement											
a. Develop Public Involvement Plan	FT input, consultation with CIG			4				4			
b. Develop and maintain stakeholder contact/distribution list											
c. Ongoing project communications											
d. Small group meetings	FT input or minor participation			4				4			
e. Project Open House (1 assumed)	FT help strategize, and 1 person participat			2	4			6			
f. Website content (City staff to create and update website with consultant team content)											
g. Translation services											
Task 2 SUBTOTAL - Stakeholder Engagement				**10**	**4**			**14**			**$ 2,520.00**
Task 3. Data Collection and Analysis											
a. Review of Existing Plans, Studies, and other Relevant Documentation											
1. Assemble all available information and reports	FT digging up and review of relevant plans, counts, etc				4			4			
2. Develop list of pertinent informatio											
b. Field Survey											
1. Land Survey											
Topo Survey and Control Establishment											
Obtain utility location maps											
Survey Utilities, including invert elevations											
Potholing (XX potholes included											
ROW Survey											
Prepare base map & existing ROW map											
2. Geotechnical Investigation, Pavement Design, Environmental Investigations											
Geotechnical Investigation and Report											
Phase I ESA											
c. Right-of-Way											
1. Identify ownership, boundary locations											
2. Prepare ROW ownership map											
3. Prepare ROW plans											
4. Prepare Title Commitments											
d. Drainage Analysis											
1. Hydraulics/Hydrology Study with water quality											
2. SWMP Plans											
3. Erosion Control Plans											
e. Utility Design											
1. Coordinate with utility companie											
2. Utility database (basefile)											
3. SUE Engineering Plans											
f. Lighting											
1. Lighting Plans and Specification											

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Fox Tuttle 1 Principal I, PIC $ 190	2 Transportation Engineer II, PM $ 155	3	4 Administrator/Project Coordinator $ 80	Totals Totals		Totals Total
g. Partner Agency Agreements and Coordination							
1. CDOT - US-85							
2. CML (RTD, UPRR, BNSF)							
h. ABC Analysis							
Task 3 SUBTOTAL - Data Collection and Analysis		**4**			**4**		**$ 620.00**
Task 4. 30% Submittal							
a. Structures Selection Report							
1. Evaluate span configurations, phasing, etc.							
2. Conceptual Engineering							
3. Preliminary Layouts							
4. Preliminary quantities & Cost estimates							
5. Prepare SSR							
b. Preliminary Structural Plans							
1. 30% plan sheets							
2. Prefab Bridge Specification							
3. 30% Cost estimate							
c. Civil Engineering/Site Design							
1. Interdisciplinary Coordination							
2. Geometric Layout	16	16			32		
3. Plan sheets with horizontal contro							
4. 3D terrain model							
5. 30% quantities and Cost Estimat							
6. Review and report roadway and intersection compliance							
7. Urban Design and Aesthetics	4	4			8		
8. Construction Methods and Construction Phasing Analysis							
d. 30% Review Meeting		2			2		
Task 4 SUBTOTAL - 30% Submittal	**20**	**22**			**42**		**$ 7,210.00**
Task 5. 60% Submittal							
a. 60% Structural Plans							
b. 60% Civil Plans	4	8			12		
c. 60% Quantities & Cost Estimate							
d. 60% Specifications							
e. Permitting							
1. CatEx							
2. Water Quality							
3. Other…							
f. 60% Review Meeting							
g. Revisions to 60% design and resubmit							
h. Negotiate Agreements							
1. CDOT - US-85							
2. CML (RTD, UPRR, BNSF)							
Task 5 SUBTOTAL - 60% Submittal	**4**	**8**			**12**		**$ 2,000.00**
Task 6. 90% Submittal							
a. 90% Structural Plans							
b. 90% Civil Plans	2	4			6		
c. 90% Quantities & Cost Estimate							
d. 90% Specifications							
e. 90% Review Meeting							
f. Revisions to 90% design and resubmit							
Task 6 SUBTOTAL - 90% Submittal	**2**	**4**			**6**		**$ 1,000.00**
Task 7. 100% Submittal							
a. 100% Structural Plans							
b. 100% Civil Plans	2	4			6		
c. 100% Quantities & Cost Estimate							

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Fox Tuttle 1 Principal I, PIC $ 190	2 Transportation Engineer II, PM $ 155	3	4 Administrator/Project Coordinator $ 80	Totals Totals		Totals Total
d. 100% Specifications							
e. 100% Review Meeting							
f. Revisions to 100% design and resubmit							
Task 7 SUBTOTAL - 100% Submittal	**2**	**4**			**6**		**$ 1,000.00**
Task 8. Engineer's Opinion of Probable Cost - Included Abov							
Task 9. Bid and Construction Support Services							
a. Support During Bidding Process							
1. Respond to questions from Contractors							
2. Revisions under Advertisement							
b. Construction Schedule							
Task 9 SUBTOTAL - Bid and Construction Support Services							**$ -**
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment							
To Be Determined							
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment							**$ -**
Task 11. Connections Survey							
Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection							
Task 11 SUBTOTAL - Connections Survey							**$ -**
Total Hours	**56**	**79**		**7**	**142**		**$ 23,445**
Labor Rate/hr	$ 190	$ 155	$ -	$ 80			
Labor Cost	$ 10,640	$ 12,245	$ -	$ 560			**$ 23,445**
Expenses							
Total Cost							**$ 23,445**

Exhibit A

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Martinez & Associates							Totals		
	1	2	3	4	5	6	7			
	Principal Professional	Sr. Professional	Staff Engineer	Administrator	Laboratory Testing	Drilling Vendor	Traffic Control	Totals		Total
	$ 191	$ 131	$ 84	$ 39	$ 2,700	$ 3,200	$ 1,500			
Task 1. Project Management										
a. Project Kick-off Meeting										
1. Schedule, hold, & prep minutes										
b. PMT Meetings										
1. Monthly PMT meetings (15 total										
2. Prepare agenda & minutes										
3. Standing Design Meetings (bi-weekly, 30 total)										
c. Project Schedule										
1. Project Schedule Development and Maintenance (15 months										
d. Monthly Progress Reports										
1.Weekly project management - 2 hour/week PM; 1 hour/month Admin										
2. Invoicing and Status Reports 1 hr/month PM; 1 hour/month admin										
e. Quality Assurance / Quality Control										
1. Project Management Plan										
2. QA/QC Plan Development										
3. Project Management Plan Maintenance (1 hours / week for 65 Weeks)										
4. Interdisciplinary Reviews & QC included in each design phase below										
f. Submittal of Project Deliverables and Formats										
1. Effort included in each design phase below										
Task 1 SUBTOTAL - Project Management										**$ -**
Task 2. Stakeholder Engagement										
a. Develop Public Involvement Plan										
b. Develop and maintain stakeholder contact/distribution list										
c. Ongoing project communications										
d. Small group meetings										
e. Project Open House (1 assumed)										
f. Website content (City staff to create and update website with consultant team content)										
g. Translation services										
Task 2 SUBTOTAL - Stakeholder Engagement										**$ -**
Task 3. Data Collection and Analysis										
a. Review of Existing Plans, Studies, and other Relevant Documentation										
1. Assemble all available information and reports										
2. Develop list of pertinent informatio										
b. Field Survey										
1. Land Survey										
Topo Survey and Control Establishment										
Obtain utility location maps										
Survey Utilities, including invert elevations										
Potholing (XX potholes included										
ROW Survey										
Prepare base map & existing ROW map										
2. Geotechnical Investigation, Pavement Design, Environmental Investigations										
Geotechnical Investigation and Report	4	26	28	1	1	1	1	62		
Phase I ESA										
c. Right-of-Way										
1. Identify ownership, boundary locations										
2. Prepare ROW ownership map										
3. Prepare ROW plans										
4. Prepare Title Commitments										
d. Drainage Analysis										
1. Hydraulics/Hydrology Study with water quality										
2. SWMP Plans										
3. Erosion Control Plans										
e. Utility Design										
1. Coordinate with utility companie										
2. Utility database (basefile)										
3. SUE Engineering Plans										
f. Lighting										
1. Lighting Plans and Specification										

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Martinez & Associates 1 Principal Professional	2 Sr. Professional	3 Staff Engineer	4 Administrator	5 Laboratory Testing	6 Drilling Vendor	7 Traffic Control	Totals		Total
	$ 191	$ 131	$ 84	$ 39	$ 2,700	$ 3,200	$ 1,500			
g. Partner Agency Agreements and Coordination										
1. CDOT - US-85										
2. CML (RTD, UPRR, BNSF)										
h. ABC Analysis										
Task 3 SUBTOTAL - Data Collection and Analysis	**4**	**26**	**28**	**1**	**1**	**1**	**1**	**62**		**$ 13,961.00**
Task 4. 30% Submittal										
a. Structures Selection Report										
1. Evaluate span configurations, phasing, etc.										
2. Conceptual Engineering										
3. Preliminary Layouts										
4. Preliminary quantities & Cost estimates										
5. Prepare SSR										
b. Preliminary Structural Plans										
1. 30% plan sheets										
2. Prefab Bridge Specification										
3. 30% Cost estimate										
c. Civil Engineering/Site Design										
1. Interdisciplinary Coordination										
2. Geometric Layout										
3. Plan sheets with horizontal contro										
4. 3D terrain model										
5. 30% quantities and Cost Estimat										
6. Review and report roadway and intersection compliance										
7. Urban Design and Aesthetics										
8. Construction Methods and Construction Phasing Analysis										
d. 30% Review Meeting	2							2		
Task 4 SUBTOTAL - 30% Submittal	**2**							**2**		**$ 382.00**
Task 5. 60% Submittal										
a. 60% Structural Plans										
b. 60% Civil Plans										
c. 60% Quantities & Cost Estimate										
d. 60% Specifications										
e. Permitting										
1. CatEx										
2. Water Quality										
3. Other…										
f. 60% Review Meeting										
g. Revisions to 60% design and resubmit										
h. Negotiate Agreements										
1. CDOT - US-85										
2. CML (RTD, UPRR, BNSF)										
Task 5 SUBTOTAL - 60% Submittal										**$ -**
Task 6. 90% Submittal										
a. 90% Structural Plans										
b. 90% Civil Plans										
c. 90% Quantities & Cost Estimate										
d. 90% Specifications										
e. 90% Review Meeting										
f. Revisions to 90% design and resubmit										
Task 6 SUBTOTAL - 90% Submittal										**$ -**
Task 7. 100% Submittal										
a. 100% Structural Plans										
b. 100% Civil Plans										
c. 100% Quantities & Cost Estimate										

Project Number:	GO2018 Bond 2020-028	Ebid	7363904
Description:	Jewell/Evans Pedestrian Bridge		
City Project Manager:	Chris Krook, PE		
Wilson Project Manager	Mark Hildahl, PE		

Estimated workhours shown. Assumes June 2021 thru August 2022 (design phase) & 2 Month Ad/Bid Phase
Design phase assumed to be 15 Months, or 65 weeks

TASK DESCRIPTION	Martinez & Associates 1 Principal Professional	2 Sr. Professional	3 Staff Engineer	4 Administrator	5 Laboratory Testing	6 Drilling Vendor	7 Traffic Control	Totals		Total
	$ 191	$ 131	$ 84	$ 39	$ 2,700	$ 3,200	$ 1,500			
d. 100% Specifications										
e. 100% Review Meeting										
f. Revisions to 100% design and resubmit										
Task 7 SUBTOTAL - 100% Submittal										**$ -**
Task 8. Engineer's Opinion of Probable Cost - Included Abov										
Task 9. Bid and Construction Support Services										
a. Support During Bidding Process										
1. Respond to questions from Contractors										
2. Revisions under Advertisement										
b. Construction Schedule										
Task 9 SUBTOTAL - Bid and Construction Support Services										**$ -**
Task 10. (Ad-Alt) Construction Estimation and Constructability Assessment										
To Be Determined										
Task 10 SUBTOTAL - (Ad-Alt) Construction Estimation and Constructability Assessment										**$ -**
Task 11. Connections Survey										
Topographic Survey of Jewell to Fox and Cherokee, Bannock and RR for Evans Connection										
Task 11 SUBTOTAL - Connections Survey										**$ -**
Total Hours	**6**	**26**	**28**	**1**	**1**	**1**	**1**	**64**		**$ 14,343**
Labor Rate/hr	$ 191	$ 131	$ 84	$ 39	$ 2,700	$ 3,200	$ 1,500			
Labor Cost	$ 1,146	$ 3,406	$ 2,352	$ 39	$ 2,700	$ 3,200	$ 1,500			**$ 14,343**
Expenses										
Total Cost										**$ 14,343**

CONSULTANT TEAM MEMBERS

PRIME CONSULTANT: Wilson & Company, Inc., Engineers & Architects

List **ALL** potential firm personnel titles/classification that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager).

Title/Classification	Responsibilities	Rate/Hr.
Engineer/Technical Specialist XXV	Principal III	$300.00
Engineer/Technical Specialist XXIV	Principal II	$290.00
Engineer/Technical Specialist XIII	Principal I	$280.00
Engineer/Technical Specialist XXII	Project Manager IV	$270.00
Engineer/Technical Specialist XXI	Contract Manager, Project Manager III, Sr. Engineer III	$260.00
Engineer/Technical Specialist XX	Project Manager III	$250.00
Engineer/Technical Specialist XIX	Project Manager II	$240.00
Engineer/Technical Specialist XVIII	Survey Manager	$230.00
Engineer/Technical Specialist XVII	Sr. Engineer II, Construction Manager	$220.00
Engineer/Technical Specialist XVI	Sr. Engineer II	$210.00
Engineer/Technical Specialist XV	Environmental Lead, Sr. Engineer I	$200.00
Engineer/Technical Specialist XIV	Engineer III, , Sr. Engineer I	$190.00
Engineer/Technical Specialist XIII	Engineer III	$180.00
Engineer/Technical Specialist XII	Professional Surveyor	$170.00
Engineer/Technical Specialist XI	Engineer II, Senior Architect	$160.00
Engineer/Technical Specialist X	Engineer II	$150.00
Engineer/Technical Specialist IX	Sr. Graphics Designer, Biologist, Engineer I	$140.00
Engineer/Technical Specialist VIII	Hazardous Materials Specialist, Engineer I, Architect	$130.00
Engineer/Technical Specialist VII	Jr Engineer III, Sr. Cadd Tech	$120.00
Engineer/Technical Specialist VI	Jr Engineer III, Construction Observer II, Project Accounting	$110.00
Engineer/Technical Specialist V	Jr Engineer II, Construction Observer I	$100.00
Engineer/Technical Specialist IV	Jr Engineer I, Party Chief II, Construction Observer I, Social Media	$90.00
Engineer/Technical Specialist III	Party Chief I	$80.00
Engineer/Technical Specialist II	Office Administration, Instrument Person	$70.00
Engineer/Technical Specialist I	Instrument Person	$60.00
Intern	Intern	$55.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.0

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

(1) Mileage: Reimbursable at the current IRS Business Rate ONLY when Consultant is required to drive to a project located outside the City and County of Denver Boundary.

(2) Actual cost of reproducing and printing reports, drawings, specifications and other work products, and the associated cost for shipping and handling. These reimbursable expenses pertain only to requests made to the Consultant from the City, and exclude intra-office printing, scanning and reproduction required by the Consultant to complete the work.

(3) Actual cost for expendable supplies and services not normally used on a routine or normal basis in an architectural or engineering office (i.e. aerial photography) and which are provided especially under this Agreement for the benefit of the City.

REIMBURSABLE EXPENSES

Prime Consultant: Wilson & Company, Inc., Engineers & Architects

(Consultant may copy this page or modify it to conform to the services being offered.)

The additional expenses of the Consultant reimbursable by the City shall include:

1. Actual cost of reproduction of drawings and specifications, requested by the city.
2. Travel cost for sub consultants not local to the project. Travel shall be pre-approved by the City PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

Item	Charge Rate
Copies (8 1/2 x 11")	$ at cost / each
Copies (8 1/2 x 14")	$ at cost / each
Red-line copies	$ at cost / S.F.
Reproducibles	$ at cost / page

Attachment 1

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Communication Infrastructure Group (CIG)

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager).

Title/Classification	Responsibilities	Rate/Hr.
Principal	Executive oversight	$215.00
Chief Creative Officer	Creative oversight	$195.00
Senior Counselor	Executive oversight	$195.00
Sr. Strategic Director	Strategic council	$190.00
Counselor II	Project oversight	$170.00
Counselor I	Project oversight and coordination	$141.00
Video Producer	Video production	$141.00
Account Supervisor	Project management	$129.00
Creative Art Director	Creative project management and graphic design	$126.00
Senior Associate	Project management and coordination	$121.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

(1) Mileage: Reimbursable at the current IRS Business Rate ONLY when Consultant is required to drive to a project located outside the City and County of Denver Boundary.

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(3) Actual cost for expendable supplies and services not normally used on a routine or normal basis in an architectural or engineering office (i.e. aerial photography) and which are provided especially under this Agreement for the benefit of the City.

Exhibit B

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Communication Infrastructure Group (CIG)

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager).

Title/Classification	Responsibilities	Rate/Hr.
Video Editor / Videographer	Video production	$115.00
Animator	Animation and graphics production	$115.00
Associate Creative Director	Creative projects coordination and graphic design	$115.00
Photographer	Photography	$100.00
Associate II	Mid-level project management and coordination	$99.00
Graphic Designer	Graphic design	$95.00
Web Designer	Web design	$84.00
Associate I	Project support	$84.00
Administrative	Administrative	$84.00
Specialist	Entry-level project support	$68.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

(1) Mileage: Reimbursable at the current IRS Business Rate ONLY when Consultant is required to drive to a project located outside the City and County of Denver Boundary.

(2) Actual cost of reproducing and printing reports, drawings, specifications and other work products, and the associated cost for shipping and handling. These reimbursable expenses pertain only to requests made to the Consultant from the City, and exclude intra-office printing, scanning and reproduction required by the Consultant to complete the work.

(3) Actual cost for expendable supplies and services not normally used on a routine or normal basis in an architectural or engineering office (i.e. aerial photography) and which are provided especially under this Agreement for the benefit of the City.

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Communication Infrastructure Group (CIG)

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager).

Title/Classification	Responsibilities	Rate/Hr.
Account Coordinator	Entry-level project support	$37.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

(1) Mileage: Reimbursable at the current IRS Business Rate ONLY when Consultant is required to drive to a project located outside the City and County of Denver Boundary.

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(3) Actual cost for expendable supplies and services not normally used on a routine or normal basis in an architectural or engineering office (i.e. aerial photography) and which are provided especially under this Agreement for the benefit of the City.

REIMBURSABLE EXPENSES

Sub-consultant: Communication Infrastructure Group (CIG)

(Consultant may copy this page or modify it to conform to the services being offered.)

The additional expenses of the Consultant reimbursable by the City shall include:

3. Actual cost of reproduction of drawings and specifications, requested by the city.
4. Travel cost for sub consultants not local to the project. Travel shall be pre-approved by the City PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

Item	Charge Rate
Copies (8 1/2 x 11")	$ .25 cents / each
Copies (8 1/2 x 14")	$ .25 cents / each
Red-line copies	$ N/A / S.F.
Reproducibles	$ N/A / page

Attachment 1

Exhibit B

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Dig Studio

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager).

Title/Classification	Responsibilities	Rate/Hr.
Sr. Principal	Project oversight, client collaboration, design direction & team leader.	$205
Principal	Project oversight, client collaboration, design direction & team leader.	$165
Associate Principal	Project oversight, client collaboration, design direction & team leader.	$140
Designer IV	Day to day coordination, project collaboration, design implementation	$122
Designer III	Day to day coordination, project collaboration, design implementation	$111
Designer II	Day to day production & design implementation	$101
Designer I	Day to day production & design implementation	$91
Intern	Day to day production	$70

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.0

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

(1) Mileage: Reimbursable at the current IRS Business Rate ONLY when Consultant is required to drive to a project located outside the City and County of Denver Boundary.

(2) Actual cost of reproducing and printing reports, drawings, specifications and other work products, and the associated cost for shipping and handling. These reimbursable expenses pertain only to requests made to the Consultant from the City, and exclude intra-office printing, scanning and reproduction required by the Consultant to complete the work.

(3) Actual cost for expendable supplies and services not normally used on a routine or normal basis in an architectural or engineering office (i.e. aerial photography) and which are provided especially under this Agreement for the benefit of the City.

REIMBURSABLE EXPENSES

Sub-consultant: Dig Studio

(Consultant may copy this page or modify it to conform to the services being offered.)

The additional expenses of the Consultant reimbursable by the City shall include:

3. Actual cost of reproduction of drawings and specifications, requested by the city.
4. Travel cost for sub consultants not local to the project. Travel shall be pre-approved by the City PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

Item	Charge Rate	
Copies (8 1/2 x 11")	$ .05/.50* / each	*B&W/Color
Copies (8 1/2 x 14")	$ .50 / each	
Red-line copies	$ 1.50 / S.F.	
Reproducibles	$ 15 / page	

Attachment 1

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Fox Tuttle Transportation Group

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal II	Principal-level multimodal transportation lead, support and QA/QC	$210
Principal I	Principal-level multimodal transportation lead, support and QA/QC	$200
Sr. Transportation Engineer	Conceptual design, analysis and multimodal task lead	$170
Transportation Engineer II	Conceptual design and analysis support	$155
Transportation Engineer I	Conceptual design and analysis support	$135
Sr. Transportation Planner	Planning, guideline/policy and outreach	$160
Transportation Planner II	Planning, guideline/policy and outreach	$135
Transportation Planner I	Planning, guideline/policy and outreach	$100
Administrative	Administrative support	$80
Field Technician	Field support	$65

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.

The City will not compensate the Consultant for expenses such as postage, mileage, parking, or telephone costs. Reproduction and travel costs, if requested by the City, shall be reimbursed at actual cost if approved in advance by Project Manager. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducibles, etc. are not included in the hourly rates, and will be itemized as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

Attachment 1

REIMBURSABLE EXPENSES

Sub-consultant: Fox Tuttle Transportation Group

(Consultant may copy this page or modify it to conform to the services being offered.)

The additional expenses of the Consultant reimbursable by the City shall include:

3. Actual cost of reproduction of drawings and specifications, requested by the city.
4. Travel cost for sub consultants not local to the project. Travel shall be pre-approved by the City PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

Item	Charge Rate
Copies (8 1/2 x 11")	$ at cost / each
Copies (8 1/2 x 14")	$ at cost / each
Red-line copies	$ at cost / S.F.
Reproducibles	$ at cost / page

Attachment 1

SUB-CONSULTANT TEAM MEMBERS

Firm Name: H.C. Peck & Associates, Inc.

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager).

Title/Classification	Responsibilities	Rate/Hr.
Principal	Overall project management; acquisition of property rights	168
Sr. Project Manager	Day to day project management; acquisition	144
Project Manager	Day to day project management; acquisition	133
Sr. ROW Agent	Acquisition	120
ROW Agent III	Acquisition	109
ROW Agent II	Acquisition; acquisition support	96
ROW Agent I	Acquisition; acquisition support	85
Title Staff	**Title work**	**132**

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: N/A.

The City will not compensate the consultant for expenses such as postage, mileage, parking, or telephone costs. Reproduction costs, if requested by the City, shall be reimbursed at actual cost if approved in advance by Project Manager. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducibles, etc. are not included in the hourly rates, and will be itemized as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

REIMBURSABLE EXPENSES

Sub-Consultant: H.C. Peck & Associates, Inc.

The additional expenses of the consultant reimbursable by the City shall include:

1. Actual cost of reproduction of drawings and specifications requested by the City.
2. Travel/transportation costs shall not be reimbursable by the City for Prime Consultants.

Actual Costs

Item	Charge Rate
Copies (8 1/2 x 11")	$3.75/ each
Copies (8 1/2 x 14")	$3.75 each
Red-line copies	N/A
Reproducibles	$0.25/ page

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Leese & Associates LLC

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Owner/Principal/Project Manager	Project Management, Design, Presentation	$145.00/hr
CAD Technician	CD documentation	$70.00/hr
3D Illustrator	3D visualization, image preparation	$80.00/hr

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.00_____ _

The City will not compensate the Consultant for expenses such as postage, mileage, parking, or telephone costs. Reproduction and travel costs, if requested by the City, shall be reimbursed at actual cost if approved in advance by Project Manager. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducibles, etc. are not included in the hourly rates, and will be itemized as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

Attachment 1

REIMBURSABLE EXPENSES

Sub-consultant: Leese & Associates LLC

(Consultant may copy this page or modify it to conform to the services being offered.) The

additional expenses of the Consultant reimbursable by the City shall include:

3. Actual cost of reproduction of drawings and specifications, requested by the city.
4. Travel cost for sub consultants not local to the project. Travel shall be pre-approved by the City PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

Item	Charge Rate
Copies (8 1/2 x 11 ")	$ 0.08/each
Copies (8 1/2 x 14")	$ 0.21/each
Red-line copies	$ 0.60/S.F.
Reproducibles	$ 0.21/page

Attachment **1**

SUB-CONSULTANT TEAM MEMBERS

Firm Name: LS Gallegos & Associates, Inc.

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Sr. Cost Estimator	Cost estimating support	$115.71

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.08967 .

The City will not compensate the Consultant for expenses such as postage, mileage, parking, or telephone costs. Reproduction and travel costs, if requested by the City, shall be reimbursed at actual cost if approved in advance by Project Manager. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducibles, etc. are not included in the hourly rates, and will be itemized as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

Attachment 1

REIMBURSABLE EXPENSES

Sub-consultant: LS Gallegos & Associates, Inc.

(Consultant may copy this page or modify it to conform to the services being offered.)

The additional expenses of the Consultant reimbursable by the City shall include:

3. Actual cost of reproduction of drawings and specifications, requested by the city.
4. Travel cost for sub consultants not local to the project. Travel shall be pre-approved by the City PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

Item	Charge Rate
Copies (8 1/2 x 11")	$ at cost / each
Copies (8 1/2 x 14")	$ at cost / each
Red-line copies	$ at cost / S.F.
Reproducibles	$ at cost / page

Attachment 1

Exhibit B

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Martinez Associates, Inc.

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager).

Title/Classification	Responsibilities	Rate/Hr.
Principal Professional	Principal-in-charge, project management, senior technical review	$191.00
Senior Professional	Project management, technical review, project supervision	$131.00
Staff Professional	Field investigation, engineering analysis, report preparation	$84.00
Certified Eng. Tech.	Field and laboratory testing, inspection and observation	$70.00
Engineering Tech.	Field and laboratory testing and observation	$55.00
Laboratory Manager	Supervision and performance of laboratory testing	$90.00
Clerical	Preparation of reports, invoicing and scheduling	$39.00
	Unit rates for laboratory tests are attached	
	Yearly escalation factor of 3%.	

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.6663

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

(1) Mileage: Reimbursable at the current IRS Business Rate ONLY when Consultant is required to drive to a project located outside the City and County of Denver Boundary.

(2) Actual cost of reproducing and printing reports, drawings, specifications and other work products, and the associated cost for shipping and handling. These reimbursable expenses pertain only to requests made to the Consultant from the City, and exclude intra-office printing, scanning and reproduction required by the Consultant to complete the work.

(3) Actual cost for expendable supplies and services not normally used on a routine or normal basis in an architectural or engineering office (i.e. aerial photography) and which are provided especially under this Agreement for the benefit of the City.

Martinez Associates

Geotechnical Laboratory and Materials Testing Services

SOIL AND AGGREGATE TESTS

Standard Proctor Compaction, ASTM D698. ..... $120.00
Modified Proctor Compaction, ASTM D1557..... $135.00
Particle Size Analysis, ASTM D42252.00
- Fine Sieve (from +#200 to #4)..... $85.00
- Coarse Sieve (from +#200 to 3")..... $105.00
- Coarse Sieve (retained on #4)..... $90.00
- Hydrometer..... $120.00

Percent Passing #200 Sieve, ASTM D1140 ..... $65.00
Atterberg Limits, ASTM D4318
- Three points $86.00
- One point..... $68.00

Moisture Content
- Moisture Content & Dry (Bulk) Density, ASTM D2216 and D2937..... $20.00
- Moisture Content, ASTM D2216..... $15.00

Organic Content, ASTM D2974..... $90.00
Unconfined Compression, ASTM 2166..... $95.00
Unconfined Compression (remolded), ASTM 2166..... $120.00
Swell/Settlement..... $95.00
Swell/Settlement, Remolded $120.00
Specific Gravity and Absorption
- Coarse Aggregate, ASTM C127 ..... $60.00
- Fine Aggregate, ASTM C128 ..... $58.00

Unit Weight of Aggregate, ASTM C29 ..... $58.00

CONCRETE TESTS

Compression Test, ASTM C39
- Compression..... $20.00
- Unit Weight $25.00

Light Weight Concrete, ASTM C39
- Compression..... $20.00
- Unit Weight $25.00

Specimen Preparation, Trimming or Coring $58.00
Core Compression Test, ASTM C12 ..... $60.00
Generator and Coring Machine, per day..... $290.00

MASONRY TESTS

Moisture Content, as received.....$35.00
Absorption $70.00
Compression $20.00
Net Area and Volume.....$35.00
Trimming.....$75.00
Compression Test
- 2" x 4" Mortar Cylinder $30.00
- 3" x 6" Grout Prisms $60.00
- 2" Cubes, ASTM C109.....$30.00

MOISTURE EMISSION TEST

Vapor Emission Test Kit.....$40.00
RH Test Probe.....$160.00

ASPHALTIC CONCRETE

Asphalt Content with Gradation $275.00
AC Ignition Oven Calibration $450.00
Measured Maximum Specific Gravity of Mix, ASTM D2041 (Rice Method).....$120.00

Unit Weight of Core or Compacted Sample $60.00
Generator and Coring Machine.....$290.00

FIELD EXPLORATION AND TESTING

Field Percolation Test ..... By Proposal
Geotechnical/Due Diligence Investigation..... By Proposal

Outside Services, at cost plus 15%

SOIL AND AGGREGATE TESTS

Relative Density
R-value, ASTM D2844
Soil Resistivity (Miller Box)
Corrosivity (pH, resistivity, sulfates, chlorides)
Permeability
- Undisturbed Sample, up to #4 Sieve
- Disturbed (remolded) Sample, up to #4 Sieve

Permeability of Gravel and Sands
Direct Shear Undrained, per point
Los Angeles Abrasion
- 500 Revolutions, ASTM C131
- 1,000 Revolutions, ASTM C535

Soundness-Sulfate (5-cycles), ASTM C88
Micro Deval

CONCRETE TESTS

Flexure Test Beams, ASTM C78
Splitting Tensile, 6" x 12" Cylinders
Laboratory Trial Batch, ASTM C192
Laboratory Mix Design, Historical Data

MASONRY TESTS

Shrinkage (ASTM C426)
Mortar or Grout Mix Designs
Compression Test
- Ungrouted prisms
- Grouted prisms

ASPHALTIC CONCRETE

Complete Asphalt Concrete Mix Design (Hveem or Marshall)

CERTIFIED WELDING INSPECTOR (CWI) – NDE TEST METHODS

Welding, Bolting, Steel Fabrication (Hourly)

FIREPROOFING TESTS

Oven Dry Density
Adhesion Testing
Intumescent Thickness Equipment, per day

Conditions: Unit rates presented on this fee schedule are for routinely performed geotechnical laboratory and construction material tests. Numerous other earth material and construction material physical tests can be performed in our laboratory, including rock core, soil cement and soil lime mixture tests. Tests not listed can be quoted upon request. Prices are based on the assumption that samples are uncontaminated. Test results requiring plots will be presented in a publishable format generated from computer programs. Otherwise, raw test numbers will be presented. Geotechnical testing does not include engineering and/or geologic review and analysis. All fees presented in this schedule are based on the assumption that the client will deliver samples to our laboratory at no additional cost to Martinez Associates.

Any Laboratory Testing requiring expedited completion will be billed at 1.5 times the standard rate listed above (or at the listed rate + an additional fee of $100.00)

REIMBURSABLE EXPENSES

Sub-consultant: Martinez Associates, Inc.

(Consultant may copy this page or modify it to conform to the services being offered.)

The additional expenses of the Consultant reimbursable by the City shall include:

3. Actual cost of reproduction of drawings and specifications, requested by the city.
4. Travel cost for sub consultants not local to the project. Travel shall be pre-approved by the City PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

Item	Charge Rate
Copies (8 1/2 x 11")	$ at cost / each
Copies (8 1/2 x 14")	$ at cost / each
Red-line copies	$ at cost / S.F.
Reproducibles	$ at cost / page

Attachment 1

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Pinyon Environmental, Inc.

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager).

Title/	Responsibilities	Rate/Hr.
Principal Engineer/ Scientist	Responsible for providing strategic direction, vision, and leadership. Performs senior-level QA/QC and conducts meetings and negotiations with regulatory and oversight agencies.	$220
Senior Engineer/ Scientist	Responsible for technical completeness and competency of all submissions and work performed, including performance of junior- and mid-level planners and scientists. Conduct and supervise professional and technical staff to complete studies focused on engineering, planning, NEPA evaluations, air quality, noise, biology, geology, chemistry and environmental science.	$201
Senior Project Manager	Project management, including coordination of multi-disciplinary teams, preparing responses to agency questions, and facilitates project meetings with client and regulators. Develops project requirements, site investigations, facility requirements development, budget and programming support, analyses and project execution.	$179
Project Manager	Directs the gathering of data and prepares complex reporting and analysis. Oversight of technical products and development of detailed studies related to NEPA, air quality, noise, environmental justice, biology, geology, chemistry and environmental science.	$153
Project Specialist	Reports to Regulatory and Oversight Agencies, Preparation of Permits, GIS Library Development and Data Analysis, Technical Review of Documents	$ 127
Project Engineer/ Scientist	Phase I ESA Site Visits/Reporting, Interpretation of Data, Collection of Non-Field Data, Development of Logs and Maps, Pilot Testing, Biological and Wetland Field Mapping, Preparation of Reports to Clients, GIS Data Collection/Processing/Presentation, Asbestos Designer/Air Monitoring Specialist/Project Manager, Technical Review of Documents	$110
Staff II Engineer/ Scientist	Soil Logging, Monitoring Well Installation Oversight, Water-Level Surveying, Slug Tests, Field Oversight, Lead Driller, Miscellaneous Field Services, Asbestos Building Inspector	$94
Staff I Technician	Groundwater Sampling, Sampling During UST Removals, Surveyor's Assistant	$76
Drafting (Graphics)	AutoCAD, floor plans, elevations, sections, scale drawings, layering and concept design for architects and engineers. Duties may include configuring and maintaining CADD libraries, engineering documentation management systems and CADD computer network systems.	$98
Project Assistant	Maintain Field Equipment, Data Management	$86
Word Processing, Clerical	Word Processing, Clerical	$67

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.01

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

(1) Mileage: Reimbursable at the current IRS Business Rate ONLY when Consultant is required to

drive to a project located outside the City and County of Denver Boundary.

(2) Actual cost of reproducing and printing reports, drawings, specifications and other work products, and the associated cost for shipping and handling. These reimbursable expenses pertain only to requests made to the Consultant from the City, and exclude intra-office printing, scanning and reproduction required by the Consultant to complete the work.

(3) Actual cost for expendable supplies and services not normally used on a routine or normal basis in an architectural or engineering office (i.e. aerial photography) and which are provided especially under this Agreement for the benefit of the City.

REIMBURSABLE EXPENSES

Sub-consultant: Pinyon Environmental, Inc.

(Consultant may copy this page or modify it to conform to the services being offered.)

The additional expenses of the Consultant reimbursable by the City shall include:

3. Actual cost of reproduction of drawings and specifications, requested by the city.
4. Travel cost for sub consultants not local to the project. Travel shall be pre-approved by the City PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

Item	Charge Rate
Copies (8 1/2 x 11")	$ at cost / each
Copies (8 1/2 x 14")	$ at cost / each
Red-line copies	$ at cost / S.F.
Reproducibles	$ at cost / page

Attachment 1

SUB-CONSULTANT TEAM MEMBERS

Firm Name: PK Electrical, Inc.

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal/Engineer of Record	Oversees the entire project, manages clients, provides QA/Q	$225.00
Engineering Manager	Oversees the entire project, manages clients, provides QA/Q	$190.00
Senior Project Engineer	Engineer responsible for technical aspects of project, code re	$185.00
Senior Project Manager	Assists Project Engineer, manages staff, resources, schedule	$175.00
Electrical/Technology Designer	Designs low voltage systems, lighting and power systems, ed	$150.00
Fire Alarm Engineer/Designer	Design of fire alarm, mass notification, v-evac systems, and s	$165.00
Technology Manager	Manages designers and designs for low voltage systems (DA	$185.00
Bookkeeper/Accounting	Finance accounts manager/bookkeeping	$100.00
Electrician/Designer/ Field Technicia	Assists in designs, performs field investigations and site surve	$150.00
Production/BIM Manager	Manages production department and staff, assigns work, mai	$125.00
Drafter	MicroStation, BIM, CAD drafting and production	$95.00
Admin	Filing, document control, spec editing, general tasks	$80.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 3.4812.

The City will not compensate the Consultant for expenses such as postage, mileage, parking, or telephone costs. Reproduction and travel costs, if requested by the City, shall be reimbursed at actual cost if approved in advance by Project Manager. Such costs are, in all such instances, included in the hourly rates paid by the City. Reproduction of submittals requested by the City including such items as end-of-phase reports, drawings, bid documents, record drawing reproducibles, etc. are not included in the hourly rates, and will be itemized as a not-to-exceed reproducible expense and will be reimbursed at actual cost.

REIMBURSABLE EXPENSES

Sub-consultant: PK Electrical, Inc.

(Consultant may copy this page or modify it to conform to the services being offered.)

The additional expenses of the Consultant reimbursable by the City shall include:

3. Actual cost of reproduction of drawings and specifications, requested by the city.
4. Travel cost for sub consultants not local to the project. Travel shall be pre-approved by the City PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

Item	Charge Rate
Black & White Copies (8.5 x 11")	$0.06/each
Color Copies (8.5 x 11")	$0.30/each
Black & White Copies (8.5 x 14")	$0.11/each
Color Copies (8.5 x 14")	$0.60/each
Black & White Copies (11 x 17")	$0.12/each
Color Copies (11 x 17")	$0.60/each
Red-lined Copies	$0.75/sf
Large Scale Copies (24 x 36", 18 x 24", 30 x 42" 36 x 48")	$2.25/sf
File Processing Fee for CAD Drawings	$0.20/each

Attachment 1

Exhibit B

SUB-CONSULTANT TEAM MEMBERS

Firm Name: Triunity, Inc.

List **ALL** potential firm personnel titles/classifications that may be utilized under the Agreement, and their respective hourly rate. Do not list names of personnel, only titles (i.e. Project Manager).

Title/Classification	Responsibilities	Rate/Hr.
Administration Support	Administration and Clerical Support	$70
Executive Admin Support	Executive Administration and Clerical Support	$90
Civil Engineer Lead	Civil design	$188
Civil Engineer 2	Civil design	$170
Civil Engineer 1	Civil design	$145
Civil/Structural Inspector Lead	Civil/Structural Field Inspections	$165
Civil/Struct Inspector 2	Civil/Structural Field Inspections	$140
Civil/Struct Inspector 1	Civil/Structural Field Inspections	$110
Construction Manager 2	Construction Management	$210
Construction Manager 1	Construction Phasing, Constructability Reviews	$150
Construction Safety	Construction Field Safety	$117
Document Control Specialist 2	Document Control Specialist	$165
Document Control Specialist 1	Document Control Specialist	$130
Document Control Support	Document Control Support	$95
Drafting Lead	CAD & Drafting	$115
Drafter 1	CAD & Drafting	$95
Electrical Engineer Lead	Electrical and Systems Engineering	$250
Electrical Engineer 2	Electrical and Systems Engineering	$210
Electrical Engineer 1	Electrical and Systems Engineering	$175
Electrical Inspection Lead	Electrical Field Inspections	$170
Electrical Inspection 2	Electrical Field Inspections	$145
Electrical Inspection 1	Electrical Field Inspections	$115
ITS/Traffic Senior	Traffic and ITS Design and Analysis	$210
ITS/Traffic Engineer 2	Traffic and ITS Design and Analysis	$170
ITS/Traffic Engineer 1	Traffic and ITS Design and Analysis	$125
ITS/Traffic EIT	Traffic and ITS Design and Analysis	$85
Project Controls Mgr 2	Project Management, Project Controls Lead	$230
Project Controls Mgr 1	Project Management, Project Controls Lead	$195
Project Controls 2	Scheduling, Estimating, Contract Admin	$175
Project Controls 1	Scheduling, Estimating, Contract Admin	$125
Project Controls Support	Scheduling, Estimating, Contract Admin	$90
Project Manager Senior	Project Management Functions	$290
Project Manager 3	Project Management Functions	$240
Project Manager 2	Project Management Functions	$200
Project Manager 1	Project Management Functions	$140
Utility Coordinator Lead	Utility Coordination	$185
Utility Coordinator 2	Utility Coordination	$160
Utility Coordinator 1	Utility Coordination	$130

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rate: 2.36

All reimbursable expenses are subject to the review and approval of the City. The additional expenses of the Consultant reimbursable by the City shall include:

(1) Mileage: Reimbursable at the current IRS Business Rate ONLY when Consultant is required to drive to a project located outside the City and County of Denver Boundary.

(2) Actual cost of reproducing and printing reports, drawings, specifications and other work products, and the associated cost for shipping and handling. These reimbursable expenses pertain only to requests made to the Consultant from the City, and exclude intra-office printing, scanning and reproduction required by the Consultant to complete the work.

(3) Actual cost for expendable supplies and services not normally used on a routine or normal basis in an architectural or engineering office (i.e. aerial photography) and which are provided especially under this Agreement for the benefit of the City.

REIMBURSABLE EXPENSES

Sub-consultant: Triunity, Inc.

(Consultant may copy this page or modify it to conform to the services being offered.)

The additional expenses of the Consultant reimbursable by the City shall include:

3. Actual cost of reproduction of drawings and specifications, requested by the city.
4. Travel cost for sub consultants not local to the project. Travel shall be pre-approved by the City PM.

The Consultant will be required to submit a complete list of pricing reimbursable items.

Actual Costs

Item	Charge Rate
Copies (8 1/2 x 11")	$ N/A / each
Copies (8 1/2 x 14")	$ N/A / each
Red-line copies	$ N/A / S.F.
Reproducibles	$ N/A / page

Attachment 1

Exhibit C

CERTIFICATE OF LIABILITY INSURANCE

6/1/2022

DATE (MM/DD/YYYY) 6/16/2021

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

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

PRODUCER Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	**CONTACT NAME:** **PHONE (A/C, No, Ext):** **FAX (A/C, No):** **E-MAIL ADDRESS:**
	INSURER(S) AFFORDING COVERAGE — **NAIC #**
	INSURER A : Hartford Fire Insurance Company — 19682
INSURED 4011 WILSON & CO., INC. ENGINEERS & ARCHITECTS 4401 MASTHEAD STREET NE, SUITE 150 ALBUQUERQUE NM 87109	**INSURER B :** Hartford Insurance Co of the Southeast — 38261
	INSURER C :
	INSURER D :
	INSURER E :
	INSURER F :

COVERAGES 2 **CERTIFICATE NUMBER:** 17641644 **REVISION NUMBER:** XXXXXXX

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X COMMERCIAL GENERAL LIABILITY CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT X LOC OTHER:	Y	Y	37 UEN OL5652	6/1/2021	6/1/2022	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 1,000,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A	AUTOMOBILE LIABILITY X ANY AUTO OWNED AUTOS ONLY X HIRED AUTOS ONLY SCHEDULED AUTOS X NON-OWNED AUTOS ONLY	Y	Y	37 UEN OL5653	6/1/2021	6/1/2022	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ XXXXXXX $ XXXXXXX $ XXXXXXX
	UMBRELLA LIAB OCCUR EXCESS LIAB CLAIMS-MADE DED RETENTION $			NOT APPLICABLE			EACH OCCURRENCE AGGREGATE	$ XXXXXXX $ XXXXXXX
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) Y/N: N If yes, describe under DESCRIPTION OF OPERATIONS below	N / A	Y	37 WE OL6J8C	6/1/2021	6/1/2022	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000

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

RE: SCI PROJECT #20-100-10000 - JEWELL AND EVANS PED BRDIGE. THE CITY AND COUNTY OF DENVER, ITS ELECTED AND APPOINTED OFFICIALS, EMPLOYEES AND VOLUNTEERS ARE ADDITIONAL INSUREDS AS RESPECTS GENERAL LIABILITY AND AUTO LIABILITY, AND THESE COVERAGES ARE PRIMARY AND NON-CONTRIBUTORY, IF REQUIRED BY WRITTEN CONTRACT. WAIVER OF SUBROGATION APPLIES TO GENERAL LIABILITY, AUTO LIABILITY AND WORKERS COMPENSATION/EMPLOYER'S LIABILITY WHERE ALLOWED BY STATE LAW AND IF REQUIRED BY WRITTEN CONTRACT.

CERTIFICATE HOLDER

17641644
CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
201 WEST COLFAX, DEPT 611
DENVER CO 80202

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

Joseph M Agnello

CERTIFICATE OF LIABILITY INSURANCE

6/1/2022

DATE (MM/DD/YYYY) 6/16/2021

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

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

PRODUCER Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	**CONTACT NAME:** **PHONE (A/C, No, Ext):** **FAX (A/C, No):** **E-MAIL ADDRESS:**
	INSURER(S) AFFORDING COVERAGE — **NAIC #**
	INSURER A : Berkshire Hathaway Specialty Insurance Company — 22276
INSURED 1048828 WILSON & CO., INC. ENGINEERS & ARCHITECTS 4401 MASTHEAD STREET NE, SUITE 150 ALBUQUERQUE NM 87109	**INSURER B :** **INSURER C :** **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES 2 **CERTIFICATE NUMBER:** 17641647 **REVISION NUMBER:** XXXXXXX

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
	COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☐ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☐ PRO-JECT ☐ LOC ☐ OTHER:			NOT APPLICABLE			EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG $	$ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX $
	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY			NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) $	$ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX $ XXXXXXX
	UMBRELLA LIAB ☐ OCCUR **EXCESS LIAB** ☐ CLAIMS-MADE ☐ DED ☐ RETENTION $			NOT APPLICABLE			EACH OCCURRENCE AGGREGATE $	$ XXXXXXX $ XXXXXXX $ XXXXXXX
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? ☐ **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		NOT APPLICABLE			☐ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ XXXXXXX $ XXXXXXX $ XXXXXXX
A	PROFESSIONAL LIABILITY	N	N	47EPP30530103	6/1/2021	6/1/2022	$1,000,000 EACH CLAIM & ANNUAL AGGREGATE FOR ALL PROJECTS.	

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

RE: SCI PROJECT #20-100-10000 - JEWELL AND EVANS PED BRDIGE.

CERTIFICATE HOLDER

17641647
CITY AND COUNTY OF DENVER
DEPARTMENT OF PUBLIC WORKS
201 WEST COLFAX, DEPT 611
DENVER CO 80202

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

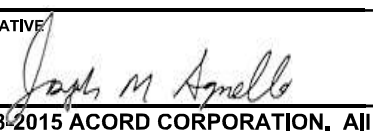


EXHIBIT D

MWBE UTILIZATION PLAN

Wilson & Company Inc., Engineers & Architects

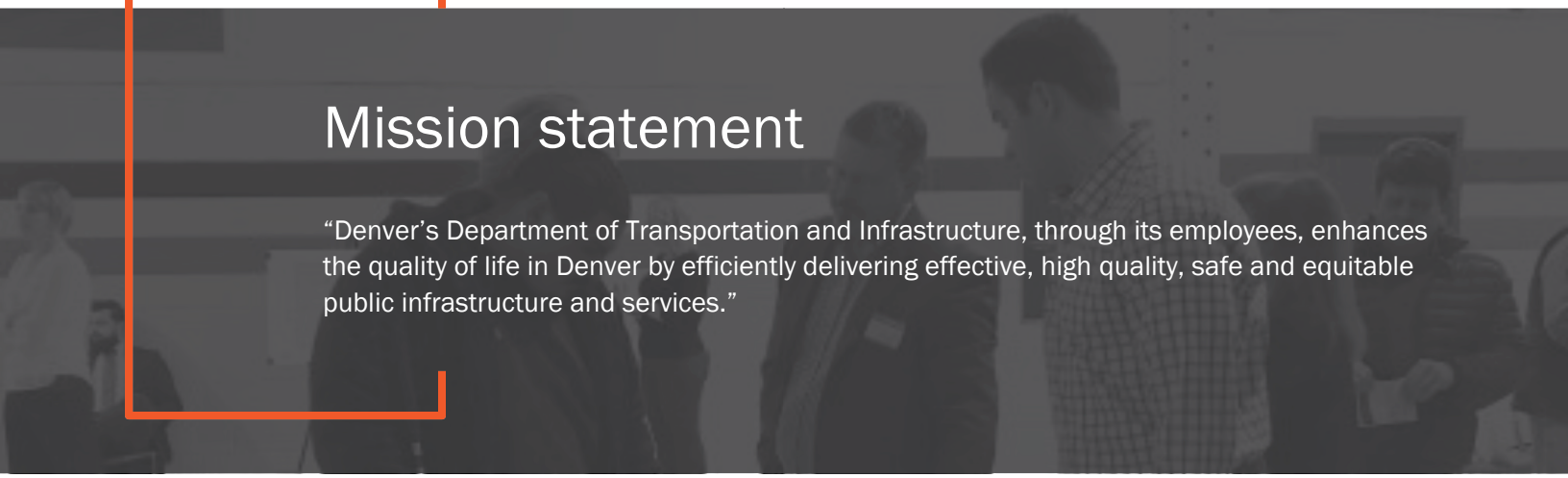
MWBE Utilization Plan

City and County of Denver

JEWELL/EVANS STATION BICYCLE AND
PEDESTRIAN BICYCLE BRIDGE PROJECT

Project No. GO2018 Bond 2020-028
eBid Document No. 7363904

June 30, 2021



Mission statement

"Denver's Department of Transportation and Infrastructure, through its employees, enhances the quality of life in Denver by efficiently delivering effective, high quality, safe and equitable public infrastructure and services."

Wilson & Company embraces DOTI's mission statement. We have developed an MWBE Utilization Plan that will optimize the delivery of equitable public infrastructure services.

Wilson & Company commits to provide a minimum of 30% MWBE participation on the Jewell/Evans Station Bicycle and Pedestrian Bicycle Bridge Project, through the following certified MWBE Firms:

- Martinez Associates, Inc. will provide geotechnical investigations and analysis and will also provide structural recommendations
- Triunity, Inc. will provide railroad coordination, utilities coordination and SUE services
- Communication Infrastructure Group (CIG) will provide community outreach services
- Dig Studio, Inc. will provide urban and landscape design services
- Pinyon Environmental, Inc. will provide environmental investigations, analysis, reporting and permitting
- PK Electrical, Inc. will provide lighting and electrical design
- HC Peck & Associates, Inc. will provide right-of-way acquisition support
- L.S. Gallegos & Associates, Inc. will provide construction cost estimate and scheduling services

Our utilization plan is innovative and comprehensive, and provides an open, transparent, responsive approach that addresses program fundamentals listed in the RFQ as the seven sections of our plan:

1. Identify key personnel (name, title, email, and phone number) and their duties as it relates to the execution to the components of the Utilization Plan.

We have assigned as a Key Personnel on this contract, Mark Scholfield, PE, as MWBE Compliance Officer. As Compliance Officer Mark's responsibilities will include the following.

- Planning, implementing and overseeing Wilson & Company's MWBE Utilization Plan
- Ensuring non-discrimination and maximizing diversity in our employment plan and staffing plan for the project
- Working with our Principal-in-Charge, Scott Waterman, and Project Manager, Mark Hildahl, to identify MWBE firms and their roles on the project
- Contracting with MWBE firms
- Monitoring MWBE participation on the project and tracking it in DSBO's B2G software system
- Working with our Principal-in-Charge and MWBE consultants to adjust MWBE participation if necessary, to guarantee that MWBE commitments are met
- Ensuring compliance with DSBO MWBE Ordinance provisions, including prompt payment, substitution, termination, and reporting
- Handles disputes or concerns that may arise with and MWBE firm or firm's payment (refer to Section 6)
- Reporting and collaborating with DSBO on the MWBE Utilization Plan to ensure the plan meets with the approval of DSBO. This effort will include:
    - Coordinating with DSBO to review and, if necessary, revise our utilization plan at the project outset
    - Coordinating with DSBO to review and if necessary, revise our utilization annually at a minimum, and more frequently if desired by DSBO
- Provide a formal report of the MWBE Utilization Plan at regular intervals to document every DSBO utilization plan review

Mark's and other key personnel's contact information follows:

Mark Scholfield
MWBE Compliance Officer
E | mark.scholfield@wilsonco.com
T | 720 840 7919

Mark Hildahl
Project Manager
E | mark.hildahl@wilsonco.com
T | 720 391 1417

Scott Waterman
Principal-in-Charge
E | scott.waterman@wilsonco.com
T | 303 917 5959

Marlo Grabsztul
Project Administrator
(is responsible for entering payments and tracking MWBE participation in DSBO's software system, B2G)
E | marlo.grabsztul@wilsonco.com
T | 303 501 1210

Catherine Cochrane
Wilson & Company Controller
E | catherine.cochrane@wilsonco.com
T | 505 348 4194

2. Provide creative strategies to incorporate new MWBE partners inclusive of but not limited to provide an ongoing list of certified firms that provide capability statements and which of those certified firms were contacted regarding solicitations related to this project;

As a part of the recent Denver 2020 On-Call Professional Services solicitation Wilson & Company conducted an extensive MWBE outreach and solicitation process, which included contacting more than 90 MWBE firms listed on the Denver Certified Vendor Directory with capability statements applicable to transportation design services. The process that we used is described in detail in Section 4 of this plan. In addition to reaching out to MWBE firms that Wilson & Company has worked with in the past, our outreach efforts developed a large database of new MWBE firms that Wilson & Company has never worked with in the past.

MWBE Selection Process – New MWBE Subconsultants

Consistent with our philosophy of providing opportunities for new MWBE subconsultants to work with Wilson & Company, our MWBE Outreach Program was designed and executed to solicit new MWBE firms to add to our team.

Exhibit 1 is the solicitation email that was sent out to 94 MWBE consultants. The following qualifications were requested:

- Identification of the types of work that you wish to be considered for
- Brief biographical information on your firm
- Resume(s) of key personnel applicable to the types of work you are interested in
- Descriptions of relevant past projects that you have been involved in, and your role(s) on those projects

Table 1 – New MWBE Evaluation Matrix, summarizes our evaluation of new MWBE firms. New MWBE firms were evaluated based on:

1. The applicability of their expertise to our work. The type of expertise the MWBE firm offers matches the type of work necessary for the projects and tasks that we anticipate performing for Denver on the project.

2. The qualifications and experience of staff they will provide to our team, as determined through review of resumes provided.

3. The qualifications and experience of the firm as whole, as determined through review of the relevant project descriptions provided.

Firms were evaluated based on a 3-point scoring system:
0 = resumes or project descriptions were not provided
1= qualifications of limited value to our team
2 = qualifications fit the needs and are of moderate value to our team
3 = qualifications fit the needs and are of high value to our team.

Our MWBE Outreach Program resulted in the submittal 26 new MWBE subconsultants that were considered. Although the outreach was conducted as a part of our 2020 On-Call Professional Services solicitation Table 1 provides an excellent database of new MWBE firms for Wilson & Company to consider for upcoming opportunities with Denver, including the Jewell/Evans Pedestrian Bridge Project.

Section 4 describes the process we used for selection of core (proven past performers) MWBE subconsultants to be a part of our team for the Jewell/Evans Pedestrian Bridge Project. The primary criteria was to maintain the team that had provided highly successful services to Denver on the award winning 47th and York Pedestrian Bridge project. Nonetheless, recognizing the importance of providing opportunities to new MWBE firms we have added two new MWBE firms to our team:

- Martinez Associates, Inc. will provide geotechnical investigations and analysis and will also provide structural recommendations

- Triunity Engineering and Management will provide railroad coordination, utilities coordination and SUE services

Table 1 - New MWBE Evaluation Matrix

	Firm	Disciplines	Resumes	Projects	Select	Remark
1	ACL, Inc	Traffic, multimodal	3	2		Denver project history, strong resumes
2	Aguirre Project Resources	Estimating, scheduling, controls			No	The disciplines don't match our needs
3	Bai Engineers	Hydraulic modeling, wastewater, flow monitoring	3	2	Yes	Owner has strong resume, Denver project history, offer high level of expertise that may be valuable
4	Creative content	Public relations	3	2	Yes	Has provided City with PR content in the past,to Denver
5	Denver - DBA, MCITP/MCTS	IT	1	1	No	Do not need discipline
6	Dixon Resources Unlimited	Parking	3	2	Yes	A national firm, has City experience
7	Frankly Lighting, LLC	Lighting	2	2	No	Mostly bldg lighting, already have 3 proven lighting MWBE
8	HCL Engineering & Survey	Sue, roadway, structural	2	2	No	Good local projects
9	Hg Consult, Inc	traffic, roadway, structural	3	3	Yes	Have been looking for opportunities to work together
10	Integral Engineering Co.	Structural	2	2	No	Lots of facilities, ped bridges,includes Max Condioti
11	IRIS Mitigation and Design	Wetlands mitigation	3	2	No	Blair Leisure, 1-person firm, well qualified, good reds
12	Ivy Street Design	Urban design and landscape architecture	3	3	No	Strong but we already have 5 similar firms
13	Livable Cities Studio	Urban design and landscape architecture	3	3	Yes	Excellent resumes and projects
14	**Martinez Associates, Inc.**	**Geotechnical, structural and testing/inspect**	**3**	**3**	**Yes**	**Strong geotechnical, structural and testing and inspection**
15	Mayo Geophysical Services	Geotechnical	1	1	No	
16	NHN Consulting, LLC	Public relations content	3	3	Yes	Have experience with the firm personnel
17	OV Consulting	Planning	3	3	Yes	Have experience with the firm personnel
18	S&B Christ Consulting, LLC	Architectural engineering	0	1	No	Services do not match out needs
19	Sofola & Associates	Planning, pi, program management	1	1	No	Mostly program management - doesn't fit our needs.
20	Studio Completiva	Architectural and architectural planning	2	2	No	Den airport and some RTD station, don't fit our needs
21	Sunland Group, Inc	Program management	1	1	No	Services do not match our needs
22	Toole Design Group	Planning	3	3	No	Lost MWBE status
23	**Triunity**	**Estimating, utilities, railroad coordination**	**3**	**3**	**Yes**	**Strong resumes and projects**
24	UrbanTrans North America	Urban planning	3	3	No	Good quals but have all services covered by all other subs
25	Valerian LLC	Urban design, landscape architecture, parks	3	3	Yes	Excellent quals
26	ZoZo Group	Public relations	2	2	No	Good quals but already committed to 5 PR firms

3. Provide details of small business initiatives, technical assistance, and support services; such as, bonding assistance, mentoring programs, joint ventures, etc. that may be utilized on the project;

Being a consultant providing professional services, and not a contractor, Wilson & Company is not in a position to provide bonding assistance to our MWBE subconsultants, or financial assistance through joint venture contracting. In providing professional services we can more effectively support the growth of MWBE firms in the role of subconsultants with meaningful roles in the projects that we lead.

Wilson & Company has historically been very active in mentoring programs for our small business and MWBE partners. Wilson & Company routinely participates in Mentor/Protégé programs with state DOTs and municipalities that commit to MWBE firms, so that we can actively participate with them to develop and enhance their business practices and processes. Most recently we are working with CDOT to partner with an MWBE firm through their mentor/protégé program in Denver.

Though not part of formal Mentor/Protégé program, we regularly mentor our MWBE subconsultants in their roles on our projects. On the Jewell/Evans Pedestrian Bridge Project we are committed to providing significant and meaningful roles to our MWBE subconsultants, and to actively mentor them to help them successfully grow into roles of greater technical and administrative responsibility.

Denver has implemented a Citywide Mentor Protégé Pilot Program for 2020-2021. This initial pilot program was very limited, and we were not able to participate in it. However, we are aware that the program will be continued for 2021-2022, and we are committed to submitting for participation in that program as a mentor when applications are accepted for the program.

Important building blocks to developing relationships with minority and woman owned businesses are the professional organizations where both Wilson & Company and MWBE firms participate. Our professional staff are involved in numerous professional organizations, networking and developing new friendships that can grow into long-term relationships with new startup consulting firms, including MWBE firms.

We are a member of the Conference of Minority Transportation Officials (COMPTO) and regularly participate in their events. COMPTO brings together small business minority firms that provide transportation services.

We participate in Bagels-N-Business outreach events. The monthly meetings sponsored by DOTI provide small businesses information on how to do business with Denver, and upcoming projects with DOTI and other city agencies.

Two of the more important professional organizations are the WTS Colorado Chapter and in the American Council of Engineering Companies (ACEC).

WTS is an active and influential professional organization with focus on minority businesses. WTS' mission supports advancing women in transportation. A number of Wilson & Company professionals participate in WTS. Carey Wilson of Wilson & Company was the Southern Colorado Programs Chair in 2017 and 2018, and was Woman of the Year in 2018.

WTS has formalized its program for women business owners and DBE organizations with its Entrepreneurial Program. In 2020, the Disadvantaged Business Enterprise Committee (DBE Committee) was formed at the International Board level in conjunction with the Executive Director and staff, to research, learn, and support DBE and women entrepreneurs.

WTS takes strong positions in support diversity, equity and inclusion and recently issued a "Statement Condemning Racial Injustice against Black Communities" in response to the death of George Floyd.

Wilson & Company also has an active role in ACEC. Scott Asher of Wilson & Company currently serves on the Board of Directors representing Southern Colorado. ACEC strongly supports minority engineering firms and frequently coordinates with Denver concerning minority businesses affiliated with engineering, often through the ACEC Transportation Committee. Our project MWBE Compliance Officer, Mark Scholfield, actively participates in the ACEC Transportation Committee.

Some project specific technical assistance and support services that we will provide our MWBE team are:

We anticipate that the Jewell/Evans Pedestrian Bridge Project will provide us community outreach opportunities, and we expect to involve our MWBE subconsultants in those activities to expose them to key stakeholders and community associations. This support will be particularly beneficial to CIG and Dig Studio.

Our extensive experience in bridge design and construction will provide strong support to L.S. Gallegos & Associates, Inc. in their development of construction cost estimates and project scheduling.

Similarly, our extensive bridge experience will provide strong support to PK Electrical, Inc. in their development of bridge lighting and electrical plans.

Wilson & Company's lead Environmental Manager, Jon Chesser, through his extensive past experience in management of City and State environmental projects, will help guide Pinyon Environmental in their environmental investigations, analysis, reporting and permitting.

4. Define how MWBE participation will be solicited, the subcontracting process, how the MWBE program will be incorporated into the Proposer's overall procurement process and retain documentation of such solicitation efforts such as distribution lists for invitation to bids, list of bidders, and awardees; how bid selections are made and keeping a record of each

Wilson & Company has extensive relationships with the MWBE community in Denver and in Colorado. MWBE firms that we have worked successfully with in the past make up a group of MWBE consultants that have proven capabilities and performance that we refer to as our core MWBE subconsultants. In most cases they are also MWBE companies that have proven themselves to the City as well as a part Wilson & Company teams. We have also added a number of MWBE firms to our team that we have not worked with in the past, to provide new opportunities to MWBE firms. We performed extensive research and discussions with our new MWBE firms to ensure that they will be strong members of our team. We employed the following practices in selection of MWBE firms for the project:

Solicitation of Proven (Core) MWBE Firms

- Wilson & Company project leads met to identify candidate MWBE firms for the project. As we had just recently gone through and extensive MWBE solicitation process for the 2020 Professional Services On-Call Program, we used the firms we had selected for our Category 1 (General Civil and Roadway Design Team) and Category 2 (Bridge Design Team) as a starting point. We identified the MWBE firms within those teams that would be good candidates for the Jewel-Evans Pedestrian Bridge Team.

- Telephone and email conversations were conducted with prospective MWBE firms

- Teaming commitments were formalized with selected MWBE firms through email conversations.
- DOCUMENTATION - Email teaming commitments are saved to a pdf format and are retained as a part of the on-call project records (refer to Exhibit 3)

Solicitation of new MWBE Firms that Wilson & Company has not worked with in the past

While Wilson & Company highly values the successful relationships we have established with our core MWBE firms, we also consider it important to provide new opportunities to certified MWBE firms that we have not worked with in the past. To that end we have executed an MWBE Outreach Program to identify, contact and recruit new MWBE firms to be part of the Wilson & Company team.

That outreach effort was actually performed as a part of our recent 2020 Professional Services On-Call Program for the City and County of Denver. Given how recently that outreach was done it still provides us with a large database of relevant new MWBE firms to draw from for the Jewell/Evans Pedestrian Bridge Project

The solicitation process that we employed for the outreach is described below.

- An MWBE Plan Holders list was developed from the overall QuestCDN RFQ plan holders list for the on-call project.
- The MWBE Plan Holders list was supplemented with a list of MWBE Firms that registered for the CCD Virtual Open House for the 2020 Professional Services On-Call Program held on April 28, 2020.

- A solicitation email was sent out on Monday June 1, 2020 to all MWBEs on the Outreach Mailing list (refer Exhibit 1)
- Qualification Solicitations were sent to 94 MWBE firms

- Email and telephone conversations were held with potential new MWBE Firms to help them determine their interest.
- Qualifications packages were received from new, interested MWBE firms

- We reviewed the Jewell/Evans Pedestrian Bridge Project QuestCDN Plan Holders List for potential new MWBE Firms to consider. All of the MWBE firms on the list were in our original on-call database.

The Wilson & Company MWBE Outreach Program reached out to 94 MWBE firms.

The Wilson & Company MWBE Outreach Program received qualification submittals from 35 MWBE firms, including 26 new MWBE firms that Wilson & Company has not yet worked with.

The Wilson & Company Outreach Program is summarized on Table 2 – Wilson & Company MWBE Outreach Tracking Sheet. The incorporation of our outreach program in the selection of new MWBE firms that Wilson & Company has not worked with in the past is described in more detail in Section 2.

Final Selection of our MWBE Firms for the Project

The final selection of MWBE Firm to be on the Wilson & Company Team for the Jewell/Evans Pedestrian Bridge Project was largely influenced by our recent success with the 47th and York Pedestrian Bridge Project (refer to the project description in Section 7). The bridge overpass provides a vital, safe, east/west connection over the railroad and in particular for the Swansea Elementary School Students, on their way to and from school. The project is recognized by Denver as a major benefit to the Elyria-Swansea community, and received APWA Award for the "Best Structure, Large Community."

Our MWBE subconsultants played significant and meaningful roles in the success of the 47th and York Pedestrian Bridge Project. As a result, we have a strong desire to provide our pedestrian bridge team again to the City of Denver for the Jewell/Evans Pedestrian Bridge Project. All of our MWBE team members have been solicited and vetted through process described above and were selected on that basis for our 2020 Denver On-call team, and now for our Jewell/Evans team.

Recognizing the importance of providing opportunities for new MWBE firms, we have provided meaningful roles for two new MWBE firms to join our proven performers on our Jewell/Evans Pedestrian Bridge Team, as is described in Section 2.

The selection of MWBE awardees for our team is documented through email conversations that are provided in Exhibit 3.

Future Selection of Additional MWBE Firms for the Project

Should the character of project change in the future, and provide an opportunity to add more certified MWBE firms to our team, we will use the following process to identify and select additional firms for the project.

1. MWBEs that have been evaluated and selected for our Denver 2020 Professional Services On-Call Program, will be considered, with a preference toward firms that have not yet received task order assignments in the program

2. MWBEs will be evaluated based on how well their expertise matches the expertise required for the work

3. MWBEs will be evaluated based on availability of resources consistent with the anticipated work schedule

4. MWBEs will be evaluated based on their recent past performance for Wilson & Company and Denver

Records will be kept on file, documenting the evaluation and selection of future MWBE subconsultants for the project.

Table 2 – Wilson & Company MWBE outreach tracking sheet

ID	Firm	Submitted	New Firm	Tracking
1	105 West, Inc.	1		6/9 submitted quals
2	ACI, Inc.	1	1	6/8 touched base, said decision is a couple of weeks off 6/1: Submitted 6/1 submitting as a prime in traffic
3	Aguirre Project Resources	1	1	submitted quals
4	AmbientEnergy			
5	Apex Design			
6	Aspen Outlook LLC			
7	Bai Engineers	1	1	6/1 received a hydraulics package
8	Basis Partners			
9	~~Bespoke Transit Solutions~~	~~1~~		~~6/4 responded already on a team~~
10	Brandon Staffing Solutions LLC			
11	Brasfield Communications			
12	Brown Civil Engineering			
13	BuildMark Project Management			
14	~~Carlos A. Gomez~~	~~1~~		~~Prisma only interested in project management~~
15	Celina Inc.			
16	Chickenango Marketing Solutions			
17	CIG			6/2 exchanged emails with Joy confirming teaming
18	Circuit Media			
19	~~Civil Technology, Inc.~~	~~1~~		~~6/1 Only interested in program management~~
20	CMTS			6/2 sent to roan mcrae 6/1: marketing department wasn't found at cmtsinc.com
21	Creative Content	1	1	6/5 submitted quals - public relations content
22	Denver - DBA, MCITP/MCTS	1	1	6/4 submitted quals - one man it firm
23	Design Edge, PC			
24	Diamond T Services Inc.			
25	Dig Studio			6/1 proven performer, told her only need to respond to a specific request from steve or lauren
26	Dixon Resources Unlimited	1	1	6/18 checkin 6/5 submitted, parking consultants with CCD and Wilson experience
27	~~DQP Enterprises, Inc.~~	~~1~~		~~6/1 Only interested in program management~~
28	Dunamis Engineers			
29	Dynasty Concrete, Inc.			
30	Egret & Ox Planning, LLC			
31	Ensight Energy Consulting			
32	Entitlement and Engineering Solutions, Inc.	1		6/3 submitted quals 6/1 will submit
33	Environmental Consulting Services			6/27 never responded 6/5 interested but want to talk
34	Eugene Lynne			
35	Frankly Lighting, LLC	1	1	6/3 submitted 6/1 told her street lighting is a part of cat 1

Table 2 (cont.) Wilson & Company MWBE outreach tracking sheet

ID	Firm	Submitted	New Firm	Tracking
36	Gina Sofola & Associates, Inc.			
37	Goodbee & Associates, Inc.	1		6/8 Submitted quals
38	~~Harris Kocher Smith~~	~~1~~		~~6/1 no longer MWBE~~
39	HCL Engineering & Surveying	1	1	6/1 submitted quals
40	HG Consult, Inc.	1	1	6/1 survey, SUE, civil structural, received quals
41	Innovative Construction Solutions			
42	Integral Engineering Co.	1	1	6/1 submitted, mostly bridge and facilities
43	Integrated Mechanical			
44	IRIS Mitigation and Design, Inc.	1	1	6/10 submitted quals - wetlands, re-certification is pending
45	~~Iron Horse Architects, Inc.~~	~~1~~		~~6/5 no longer MWBE~~
46	Ivy Street Design	1	1	6/8 submitted quals 6/1 submitted landscape 6/1 will submit
47	J.A. Watts, Inc (JWI)			
48	J.F. Sato and Associates			
49	KDG Engineering LLC			
50	Lamb-Star Engineering			
51	Land Tech Services, Inc			
52	Linda Wilson Group	1		submitted quals
53	Linhart PR			
54	Livable Cities Studio, Inc	1	1	submitted quals
55	Logan Simpson Design Inc.			
56	LS Gallegos			
57	Martinez Associates, Inc.	1	1	submitted quals
58	Mayo Geophysical Services	1	1	6/5 submitted quals 6/1 will submit
59	Mundus Bishop			
60	Navjoy Consulting Services			
61	NHN Consulting	1	1	submitted quals
62	Ordonez and Vofelsang, LLC	1	1	submitted quals
63	Peak Consulting Group			6/1 told them already on team
64	~~Peters and Yaffe, Inc.~~	~~1~~		~~6/15 Declined~~
65	Pinyon Environmental, Inc.	1		submitted quals
66	PK Electrical, Inc			Already on the team
67	Refai International Group			6/1 will submit
68	Ridgeview Data Collection	1		6/5 submitted quals for traffic data - note they are a proven performer

Table 2 (cont.) Wilson & Company MWBE outreach tracking sheet

ID	Firm	Submitted	New Firm	Tracking
69	RNN Architects			6/2 sent email to rebecca 6/1 sharon gonzales wasn't found at rnnarchitects.com
70	RockSol Consulting Group, Inc			
71	S&B Christ Consulting, LLC	1	1	6/1 Submitted Quals
72	Se3	1		6/1 submitted quals.
73	Shrewberry & Associates, LLC			
74	Sofola & Associates	1	1	6/4 Submitted, planning and pm
75	Stolfus & Associates, Inc.			Already on the team
76	Strong Contractors Inc			
77	Studio Completiva	1	1	6/9 submitted quals
78	Studio CPG			
79	Sunland Group, Inc.	1	1	6/1 submitted quals - just for program mgmt
80	Syn Energy			
81	The Construction Management Group of CO LLC			
82	The Equity Project, LLC			
83	Toole Design Group	1	1	Submitted quals
84	Townsend Management			
85	TriUnity	1	1	Submitted quals
86	Urban Trans North America	1		6/1 submitted, planning and pi
87	Valerian LLC	1	1	6/4 submitted quals, landscape and urban design
88	Vanir Construction Management			
89	Volt Air			6/25 did not submit 6/1 said they will submit
90	WC Civil			
91	Y2K Engineering	1	1	6/2 submitted - new traffic firm with relationships with Wilson
92	Yeh and Associates	1	1	6/4 confirmed teaming, a proven performer
93	Zaga Design Group, Inc			
94	ZoZo Group	1		6/5 submitted, PR, worked with Wilson on Fillmore DD
Total submittals		**35**	**26**	**Submittals from firms new to Wilson & Company**

Incorporation of the Wilson & Company MWBE program into the overall procurement process

Our outreach program has provided us with an excellent database for evaluation and selection of MWBE firms as a part of our overall procurement processes, similar to how it was done on the Jewell/Evans Pedestrian Bridge Project.

MWBE firms are important partners on the majority of the projects that Wilson & Company performs. Our core MWBE subconsultants that we have successfully worked with in the past are interviewed for our project opportunities and selected based on their applicable qualifications and experience and availability. Furthermore, we are always on the lookout for new MWBE subconsultants to provide opportunities to. The database we have created for potentially new MWBE firms will be regularly updated through reviews of the Denver MWBE Vendor Directory and project plan holder lists, and through MWBE outreach efforts such as participation in COMTO, WTS, and other small business initiatives and professional organizations.

5. Outline the debriefing process; how unsuccessful bidders are notified; and documentation of reasoning is retained

For the development of our MWBE database, all of the MWBE firms that submitted qualifications and were not selected for our team were notified by email that they were not selected, and informed they could contact our MWBE Compliance Officer if they desired a debrief of the selection process (refer to Exhibit 2). Two firms responded to the notification and were provided a debrief.

The documentation of our selection reasoning in development of our MWBE database is provided in Table 1 in Section 2. In the future as it becomes necessary to update our database, similar solicitation, debriefing and documentation procedures will be used.

Our reasoning and documentation of the selection process specifically for the Jewell/Evans Pedestrian Bridge Project is provided within this MWBE Utilization Plan, in Sections 2 and 4.

Our MWBE Compliance Officer Mark Scholfield is responsible for providing any requested debriefs.

6. Outline the communication process and involvement efforts of the MWBE subcontractors to ensure alignment of scheduling, safety requirements, owner direction, and performance expectations. Please include the mediation processes should performance issues or prompt payment disputes arise.

Wilson & Company maintains strong communication with all our subconsultants. We recognize that the success of a project is dependent upon clear, concise and continuous communication with all our project team members as well as the client. One of Wilson & Company's core values is shared ownership, meaning all the team shares in the ownership of the project as a whole and the individual success of all team members.

Communication with our MWBE subconsultants is the responsibility of four key individuals; our Project Manager, Principal-in-Charge, MWBE Compliance Officer and Project Administrator.

MWBE project performance: will be managed by our Project Manager. He will be our hands-on manager for each task that needs to be performed and will be responsible for integrating our subconsultants into the project and ensuring they are meeting scope and schedule requirements and performance expectations:

MWBE budget: will be the primary responsibility of our Principal-in-Charge. He will oversee the development of the scope, schedule and budget, and monitor those elements to make sure we are meeting our commitments to the City. The Principal-in- Charge will communicate regularly with our MWBE subconsultants performing the work to help them stay within their budgets.

MWBE success: Our MWBE Compliance Officer will be charged with communicating with and mentoring our MWBE subconsultants with the goal of helping them to be successful contributors to the Wilson Team. He will check in with them monthly to ensure they are successful. Our MWBE Compliance Officer will work with the Principal-in- Charge to see that MWBE tasks are meaningful and economically feasible.

B2Gnow reporting: Our Project Administrator will be responsible for monitoring subconsultant payments through BSGnow and will have primary responsibility for MWBE prompt payments. Our MWBE Compliance Officer, will meet monthly with our Project Administrator ensure our compliance with MWBE prompt payment provisions.

Safety Requirements: Wilson & Company has a safety program that is updated annually. The program includes safety requirements for: safety briefings; project specific safety plans for field projects; and site safety audits. Our plan will be distributed to all of our MWBE subconsultants.

Owner Direction: We will ensure our MWBE subconsultants receive clear owner direction through the following processes:

- Our Project Manager, will be responsible for relaying owner directions to our MWBE subconsultants concerning task activities that are the responsibility of the MWBE subconsultants. These communications will be done at documented internal team meetings and also through emails.
- Our MWBE Compliance Officer will oversee MWBE subconsultant performance, and will promptly communicate any owner direction relative to performance that apply to our MWBE subconsultants.

Mediation Process: Our MWBE Compliance Officer will be responsible for mediating any performance issues or prompt payment disputes. We will encourage our MWBE subconsultants to freely communicate with our MWBE Compliance with any specific concerns related to budget, utilization, workload, or payment. The MWBE Compliance Officer will facilitate a meeting between the Project Manager (and if necessary the Principal-in-Charge) to address the concern and develop a mitigation plan. Similarly, if there are concerns related to the performance of an MWBE subconsultant, our MWBE Compliance Officer will facilitate a meeting with the Principal-in-Charge and the MWBE subconsultant to address the concern and develop a mitigation plan.

If there is an issue related to prompt payment our MWBE Compliance Officer will immediately notify our Principal-in-Charge and our Project Administrator and work diligently with them to resolve the payment as quickly as possible. If necessary we will elevate the matter to the Wilson & Company Controller to ensure its prompt resolution. The DSBO Compliance Officer will be notified of any concerns related to prompt payments.

Our team of eight MWBE subconsultants includes two new MWBE firms and six MWBE firms that we have worked with in the past. The firms we have worked with in the past have been very successful as members of the Wilson & Company team, exemplifying the strength of our communication, coordination and involvement processes. We intend to work hard with our new MWBE firms so they can be similarly successful as Wilson & Company team members.

7. Provide examples of up to a maximum of 5 projects where the Proposer has been successful in promoting the participation of small, minority and women-owned businesses. Please include what the contract participation goal was and if you met and/or exceeded that goal. Also, provide a list of certified firms that were utilized and any supportive services/technical assistance, i.e. bonding assistance, mentor-protégé programs, that were provided to small businesses to assist with meeting the goal.

Wilson & Company has exceeded MWBE goals on all our recent Denver contracts as shown in the following table:

Wilson & Company On-Call MWBE performance on recent Denver projects

	Total Fees to Date	Total MWBE Fees to Date	MWBE %	MWBE Goal %
2016 General Engineering On-Call	$2,885,354	$632,946	21.9	17.0
2016 Water Wastewater On-Call	$3,545,853	$1,254,995	35.4	17.0
47th and York Pedestrian Bridge	$1,268,365	$381,445	30.1	15.0
Brighton Blvd.	$1,616,837	$408,973	25.3	25.0
NWC Rail Consolidation Design	$1,370,680	$231,044	16.9	15.0
Totals	$10,687,089	2,909,403	27.2	

In total our 27.2% MWBE involvement on On-Call contracts far exceeds the goals of our projects.

Some specific project examples are:

47th and York Pedestrian Overpass

The 47th and York Pedestrian Overpass Project is a signature pedestrian structure over the Union Pacific Railroad. The overpass provides a vital, safe, east/west connection over the railroad and in particular for the Swansea Elementary School Students, on their way to and from school.

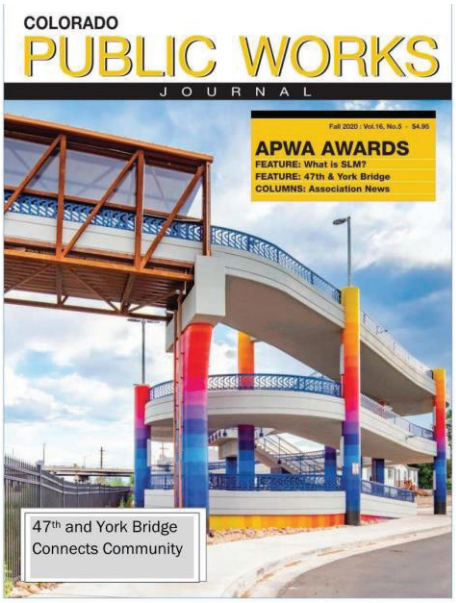
Wilson & Company assembled a strong multi-disciplinary MWBE team to address the varied issues that needed to be resolved to design and construct the project.

Wilson & Company MWBE Performance

47th and York Pedestrian Overpass Project, MWBE Goal = 15%		
MWBE Subconsultants	**Cost to Date**	**MWBE %**
CIG	$51,296	4.0%
DIG Studio	$117,244	9.2%
Goodbee	$59,109	4.7%
LS Gallegos	$ -	0.00%
Pinyon	$96,150	7.6%
RockSol	$17,394	1.4%
PK Electrical	$40,252	3.2%
Total MWBE Costs	**$381,445**	**30.1%**
Wilson and Other Costs	**$886,920**	
Totals	**$1,268,365**	

Dig Studio played a major role in the urban design elements of the project, including a park plan at the bridge location. CIG led the public relations including numerous public meetings and involving Swansea students in the project. Goodbee, Pinyon, Rocksol, and PK Electric each led their respective disciplines of utilities, environmental, geotechnical, and lighting.

The project won the APWA Award for the “Best Structure, Large Community.”



52nd & Emerson (2016 Water/Wastewater On-Call and 2016 General Engineering On-Call)

Heron Pond/Heller/ Carpio-Sanguinette Park is a tremendous cultural, recreational, and natural resource for the City and County of Denver and the community surrounding the park. This project showcases the value of the 80-acre park's natural resources, including a diverse range of native species. The park will connect the community through outdoor activity, promote health, and restore its history.

The project will also improve water quality to the surrounding neighborhoods. In addition, the Globeville Levee is included in this project design providing flood control for the Globeville neighborhood.

Wilson & Company MWBE Performance

52nd & Emerson WW On-Call TO #8; Eng On-Call TO #18 MWBE Goal = 17%		
MWBE Subconsultants	**Cost to Date**	**MWBE %**
TO#8 DIG Studio	$412,259	20.6%
TO#8 Geocal	$39,503	2.0%
TO#8 LindaWilson Group	$40,283	2.0%
TO#8 Pinyon	$32,175	1.6%
TO#18 DIG Studio	$355,166	17.8%
TO#8 Goodbee	$69,572	3.5%
TO#18 Pinyon	$20,946	1.0%
Total MWBE Costs	**$969,904**	**48.5%**
Wilson and Other Costs	**$1,028,431**	
Totals	**$1,998,335**	

Wilson & Company accomplished this project through the use of two of our City On-Call contracts: Task Order 8 of our Water/Wastewater On-Call and Task Order 18 of our General Engineering On-Call. Our team included seven MWBE firms with key roles in the project, resulting in more than 50% of the work being done by MWBE consultants. Led by Dig Studio as the lead designer of the park, our MWBE team also included Pinyon, Goodbee (utilities), Linda Wilson Group (public relations), and Geocal (geotechnical).

Brighton Boulevard Multimodal Improvements & Bridge over Race Court

Wilson & Company designed this strategic segment of Brighton Boulevard that is directly adjacent to the redevelopment of the National Western Center (NWC). The roadway and bridge project are one of the six portfolio projects of the North Denver Cornerstone Collaborative (NDCC).

The new facility will help fulfill the City's goal of creating a multimodal roadway and bridge that helps residents and visitors navigate through the NWC area. Aesthetic enhancements on the bridge and throughout the corridor included stylized street furnishings, landscaping, and pedestrian lighting.

Wilson & Company MWBE Performance

Brighton Blvd, 44th St to Race Ct Final Design, MWBE Goal = 25%		
MWBE Subconsultants	**Cost to Date**	**MWBE %**
CIG	$35,233.88	2.18%
DIG Studio	$138,313.36	8.55%
Goodbee	$68,308.20	4.22%
Group14	$4,860.00	0.30%
Pinyon	$60,507.83	3.75%
PK Electrical	$71,766.00	4.44%
RockSol	$29,983.99	1.85%
Total MWBE Costs	**$408,973.26**	**25.29%**
Wilson and Other Costs	**$1,207,863.93**	
Totals	**$1,616,837.19**	

The project also focused on sustainability and green infrastructure with the incorporation of streetside stormwater planters to collect and provide water quality treatment while also providing for reduced irrigation needs.

The Wilson & Company team included seven MWBE subconsultants with significant roles in the project. The critical urban design elements were provided by Dig Studio. The other key MWBE roles were CIG (public involvement), Goodbee (utilities), Pinyon, PK Electric (lighting), and RockSol (geotechnical).

Dockless Mobility Study – 2016 General Engineering On-Call, Task Order 12

The Dockless Mobility Vehicle Evaluation Study for the City helped assess whether the new transportation options of electric scooters and electric bicycles will advance the City's stated mobility goals. In particular, will it support a reduction of single-occupant vehicle commuter trips. The study included vision and goals development, evaluation measures development, peer city program review, data collection and analysis and public engagement, all in support of the Dockless Mobility Vehicle Pilot Permit Program.

Wilson & Company MWBE Performance

TO#12 Dockless Mobility Study, MWBE Goal = 17%		
MWBE Subconsultants	**Cost to Date**	**MWBE %**
Apex Design	$95,316	99.1%
Total MWBE Costs	**$95,316**	**99.1%**
Wilson and Other Costs	**$855**	
Totals	**$96,171**	

This task order provided an excellent opportunity for Wilson & Company to assign an entire task order project to an MWBE subconsultant. Apex Design performed all of the task order work, including the overall project management, and Wilson & Company support was limited to oversight to assure client satisfaction and invoicing.

City and County of Denver, National Western Center Railroad Consolidation Project

City and County of Denver's office of the National Western Center selected Wilson & Company in 2018 to design the relocation of an existing shortline/BNSF interchange and storage tracks to a new location to allow for redevelopment of over 200 acres of land as a part of the new National Western Center Campus. The new rail location provided unique track profile designs that ultimately required a new railroad underpass to serve the public and the campus.

Wilson & Company MWBE Performance

NWC Rail Consolidation Design, MWBE Goal = 15%		
MWBE Subconsultants	**Cost to Date**	**MWBE %**
Goodbee	$108,156	7.9%
Pinyon	$26,692	2.0%
PK Electrical	$26,847	2.0%
RockSol	$69,349	5.1%
Total MWBE Costs	**$231,044**	**16.9%**
Wilson and Other Costs	**$1,139,636**	
Totals	**$1,370,680**	

The Wilson & Company team included four MWBE subconsultants, all with significant and meaningful roles: Goodbee (utilities and aesthetic), Pinyon, PK Electrical (lighting), and RockSol (geotechnical).

From: Scholfield, Mark M.

Sent: Monday, June 1, 2020 11:49 AM
To: Mark Scholfield

Subject: Denver 2020 On-Call: MWBE Services

Attachments: RFQ On Call Professional Services Final.pdf; Wilson Firm Profile.pdf

Dear MWBE Consultant.

Wilson & Company is soliciting MWBE participation on our team to provide On-Call professional services to the City and County of Denver. As an RFQ Plan Holder and, or attendant at the April 28 City Virtual Open House, your firm has indicated a desire to be on an On-Call team. Wilson & Company is interested in creating strong teams for the On-Call contract that include excellent representation from highly qualified MWBE firms.

If you are interested in being considered as a member of our team please provide us with a qualification package that includes:

- Identification of the types of work that you wish to be considered for (the RFQ is attached for reference).
- Brief biographical information on your firm
- Resume (s) of key personnel applicable to the types of work you are interested in
- Descriptions of relevant past projects that you have been involved in, and your role(s) on those projects.

Qualifications packages, and questions should be submitted to: mark.scholfield@wilsonco.com

Please submit you qualifications package to us by close of business on Monday June 8, 2020.

Mark M Scholfield, PE, DBIA

Wilson & Company, Inc.,
Engineers & Architects 1675 Broadway, Suite 200 | Denver, CO 80202 wilsonco.com

discipline | intensity | collaboration | shared ownership | solutions

Exhibit 1

From: Scholfield, Mark M.

Sent: Wednesday, June 24, 2020 11:39 AM
To: Mark Scholfield

Subject: Denver 2020 On-Call MWBE Services

Dear MWBE Dear MWBE Consultant,

Thank you again for submitting your qualifications to be considered to be on the Wilson & Company Denver 2020 On-Call Team. We regret to inform you that we have not selected you to be on our team. If you would like to discuss our selection process feel free to email or call our project MWBE Compliance Officer, Mark Scholfield.

Mark M Scholfield, PE, DBIA

Wilson & Company, Inc., Engineers & Architects | 720-840-7919

Exhibit 2

From: Joy Wasendorf <joy@cig-pr.com>
Sent: Friday, November 6, 2020 2:14 PM
To: Devos, Marc T. <marc.devos@wilsonco.com>
Subject: Re: FW: Jewell-Evans Ped Bridge

We'd love to, Marc. We were just discussing this at our CIG staff meeting earlier today in fact. I'll read through the RFP and let me know what you need and when.

Joy

Joy Wasendorf APR, *Counselor*

C 303 818 2499 O 303 670 2537
E joy@cig-pr.com W cig-pr.com

On Fri, Nov 6, 2020 at 1:57 PM Devos, Marc T. <marc.devos@wilsonco.com> wrote:

> Hi Joy/Alan
>
> We're getting the 47th Team back together to go after this one, so we're hoping you will join our team for outreach and lighting.
>
> Let me know, thanks!

Exhibit 3

From: LaDonna Baertlein <ladonna@digstudio.com>
Sent: Friday, November 6, 2020 2:57 PM
To: Devos, Marc T. <marc.devos@wilsonco.com>
Cc: Gretchen Wilson <gretchen@digstudio.com>
Subject: Re: Jewel Evans Station Bike / Ped Connection

Yes!! Meant to reach out to you last week when I saw this. Yes we would love to partner thank you Marc.

LaDonna Baertlein

Sent from my iPhone

> On Nov 6, 2020, at 2:51 PM, Devos, Marc T. <marc.devos@wilsonco.com> wrote:
>
> Hi LaDonna....well time slipped on the City but as you likely know this has finally dropped. Is DIG still interested in teaming with us to provide landscaping/irrigation design?
>
> **Marc Devos, PE**
> Senior Project Manager | Wilson & Company, Inc., Engineers & Architects | 303 501 1211 (direct) | 303 919 0386 (cell)
> ***Currently Working from Home, Please email or call Cell***

Exhibit 3

From: J Parker <jparker@hcpeck.com>
Sent: Monday, December 14, 2020 8:47 AM
To: Hildahl, Mark C.
Subject: RE: Jewell / Evans Pedestrian Bridge

Hi Mark, yes, thanks! I've already sent rates to Lauren Woods....

From: Hildahl, Mark C. <Mark.Hildahl@wilsonco.com>
Sent: Monday, December 14, 2020 8:42 AM
To: J Parker <jparker@hcpeck.com>
Subject: Jewell / Evans Pedestrian Bridge

J,
Wilson & Company is pursuing a project with the City and County of Denver for the design of a new pedestrian crossing of Santa Fe (US-85) at Jewell, just on the south end of the Overland Golf Course.
We would like to include HC Peck on our team for ROW acquisition services.
Would you respond to this email with your agreement? It is necessary for our MWBE commitment.
Please give me a call on my cell 720.391.1417 if you have any questions.
Thanks,
Mark

Mark C. Hildahl, PE
Senior Structural Engineer

Wilson & Company, Inc., Engineers & Architects
1675 Broadway, Suite 200 | Denver, CO 80202
303 501 1238 (direct) | 720 391 1417 (cell)
wilsonco.com

discipline | intensity | collaboration | shared ownership | solutions

Exhibit 3

From: Randall Teague <RTeague@lsgallegos.com>
Sent: Sunday, November 8, 2020 4:40 PM
To: Devos, Marc T. <marc.devos@wilsonco.com>
Cc: Melanie Urso <murso@lsgallegos.com>
Subject: FW: Jewell Ped Bridge

Hi Marc.

I am copying Melanie Urso, LSG's Vice-President of Operations, to let her know your team will be contacting her in preparing the proposal for the project. Looking forward to being on your team and hopefully getting together soon to play some cards.

Take care.

Randy

Randall E. Teague, PE, CCM
Senior Consulting Engineer

LS|GALLEGOS

o 303.790.8474 | c 303-472-7655

116 Inverness Drive East Suite 207 | Englewood, CO 80112
rteague@lsgallegos.com
www.lsgallegos.com

Exhibit 3

From: Alan Wiskus <awiskus@pkelectrical.com>
Sent: Friday, November 6, 2020 2:45 PM
To: Devos, Marc T. <marc.devos@wilsonco.com>
Cc: Hildahl, Mark C. <Mark.Hildahl@wilsonco.com>; Joy Wasendorf <joy@cig-pr.com>; Amanda Hartman <AHartman@pkelectrical.com>; Hannah Rico <HRico@pkelectrical.com>
Subject: RE: Jewell-Evans Ped Bridge

Marc,
Thanks for the invite. Yes, we are interested.
Please let us know what you need for submittal.

Have a good weekend.

Thanks,
Alan Wiskus
Principal

PK Electrical, Inc.
4601 DTC Boulevard, Suite 740 | Denver, Colorado 80237
o. 720.481.3290 ext 3160
c. 775.750.4070
pkelectrical.com

From: Devos, Marc T. <marc.devos@wilsonco.com>
Sent: Friday, November 6, 2020 1:58 PM
To: Joy Wasendorf <joy@cig-pr.com>; Alan Wiskus <awiskus@pkelectrical.com>
Cc: Hildahl, Mark C. <Mark.Hildahl@wilsonco.com>
Subject: FW: Jewell-Evans Ped Bridge

Hi Joy/Alan

We're getting the 47th Team back together to go after this one, so we're hoping you will join our team for outreach and lighting.

Let me know, thanks!

Marc Devos, PE

Exhibit 3

From: Jere Strickland [mailto:jstrickland@martineztesting.com]
Sent: Friday, April 24, 2020 10:48 AM
To: Hildahl, Mark C. <Mark.Hildahl@wilsonco.com>
Subject: RE: Jewell Pedestrian Bridge

Mark- actually we've been in the office so far. We're small enough that with our individual offices, we are isolated and the bulk of the staff is in the field most of the day.

We'd very much appreciate being part of your team for this RFP. Just let me know what you need and we'll get it to you. Thanks and stay safe.

Jere A. Strickland, P.E.
Principal Professional

MARTINEZ ASSOCIATES, INC.

14828 West 6th Avenue, Unit 9B
Golden, Colorado 80401
Main: 303-459-2216
Cell: 720-440-1206
Fax: 303-482-2230
e: jstrickland@martineztesting.com

From: Hildahl, Mark C. <Mark.Hildahl@wilsonco.com>
Sent: Friday, April 24, 2020 10:28 AM
To: Jere Strickland <jstrickland@martineztesting.com>
Subject: Jewell Pedestrian Bridge

Good Morning Jere!
Hope this finds you well. Personally, I'm starting to chafe at working from home.

Denver will be issuing an RFP for a pedestrian bridge at Jewell, crossing Santa Fe just south of Overland Golf Course.
I was hoping that you would be on our team.

Please let me know if you're interested, and if you have any questions.

Exhibit 3

From: Hildahl, Mark C.
Sent: Monday, November 16, 2020 10:17 AM
To: Amy Kennedy
Cc: Corinne Wardell; Woods, Lauren W.; Chesser, Jon T.
Subject: RE: CCD Jewell Ped Bridge - Environmental Scope

Hi Amy,
I'm not sure we've worked together either, but I'm confident that you and Pinyon will do a good job. I've known Dana Bijold for years… she can vouch for me! ☺

Yes, the information you list would be great. The approach will be necessary, too. As I'm sure you understand, that since Pinyon is on several teams, it won't be a distinguishing element in our proposal. So it shouldn't be very long, probably ½ page or so. We have lots of other areas where our team will set itself apart from the competition.

Thanks for reaching out, and I'm looking forward to working with you on this project!
Mark

Mark C. Hildahl, PE
Senior Structural Engineer | Wilson & Company, Inc., Engineers & Architects | 303 501 1238 (direct) | 720 391 1417 (cell)

From: Amy Kennedy [mailto:Kennedy@pinyon-env.com]
Sent: Monday, November 16, 2020 10:09 AM
To: Hildahl, Mark C. <Mark.Hildahl@wilsonco.com>
Cc: Corinne Wardell <Wardell@pinyon-env.com>
Subject: RE: CCD Jewell Ped Bridge - Environmental Scope

Hi Mark –

I don't think we have worked directly together before, looking forward to doing so. Jon likely already let you know that we're on a few teams for this pursuit and have been tracking it for years.

I am cc'ing our marketing lead for this pursuit. We're pulling together a package that is responsive to the RFP (general stuff like firm bio, names for org chart, etc…). I assume you would also like a project approach and critical issues – correct? Any sense of how much space I have for those items? I understand that the page limitation is tight on this one.

Have a good day

Amy L. Kennedy, ENV SP
Transportation Market Manager

Pinyon Environmental, Inc.
3222 S. Vance Street, Lakewood, CO. 80227
P 303.980.5200 | **D** 720.536.4174 | **M** 303.503.6156
kennedy@pinyon-env.com | Website | LinkedIn

Exhibit 3

From: Matt Olley <matt.olley@triunityeng.com>
Sent: Thursday, November 5, 2020 4:06 PM
To: Devos, Marc T. <marc.devos@wilsonco.com>
Subject: Jewell Evans

Marc,

We would love to be a part of your team. As discussed, we are happy to provide the Utility, RR/RTD Coordination pieces. We could also provide lighting if needed? Unfortunately, we don't have the resources right now to provide cost estimating or controls.

Exhibit 3

ATTACHMENT 3
COMMITMENT TO MWBE PARTICIPATION

DENVER
ECONOMIC DEVELOPMENT
& OPPORTUNITY

DIVISION OF SMALL BUSINESS OPPORTUNITY (DSBO)
COMMITMENT TO MWBE PARTICIPATION

This page must be completed by all Bidders/Proposers to indicate their commitment towards satisfying the MWBE participation goal. The commitment will be incorporated into the contract and thereby the selected Bidder/Proposer's will be held to that commitment. (Please check the appropriate box):

COMPLETE IF YOU ARE A NON MWBE PRIME:

☒ The City and County of Denver has specified a 30 % MWBE Participation goal on this project. The Bidder/Proposer is committed to meeting 30 % MWBE Participation on the contract.

COMPLETE IF YOU ARE A MWBE PRIME:

☐ The City and County of Denver has specified a _____% MWBE Participation goal on this project. The Bidder/Proposer is a certified MWBE with the City and County of Denver and is committed to meeting _____% MWBE Participation on the contract.

COMPLETE IF YOU ARE UNABLE TO MEET PROJECT GOAL:

☐ The City and County of Denver has specified a _____% MWBE Participation goal on this project. The Bidder/Proposer is unable to meet this project goal but is committed to a _____% MWBE Participation on the contract. The Bidder/Proposer must make adequate good faith efforts to meet this goal in order to be deemed responsive. The Bidder/Proposer must submit a detailed statement and documentation of their good faith efforts. Award of the contract will be conditioned on meeting the requirements of this section, in accordance of Chapter 28 of the D.R.M.C. to the Division of Small Business Opportunity.

The undersigned Bidder/Proposer hereby agrees and understands that they must comply with their MWBE commitments in this project in conformity with the Requirements, Terms, and Conditions of this MWBE Procurement/Contract Language.

Bidder/Proposer (Name of Firm):		
Firm's Representative:		
Title:		
Signature (Firm's Representative):	Date:	
Address:		
City:	State:	Zip:
Phone:	Email:	

Wilson & Company Inc., Engineers & Architects

MWBE Utilization Plan

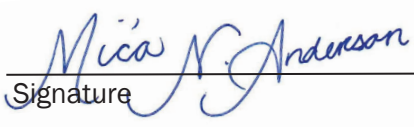
City and County of Denver

JEWELL / EVANS STATION BICYCLE AND PEDESTRIAN BICYCLE BRIDGE PROJECT

Project No. GO2018 Bond 2020-028
eBid Document No. 7363904

Agreement

This agreement has been executed by the signatories listed below. In addition to all applicable provisions of the MWBE Ordinance and any corresponding Rule and Regulations, Wilson & Company shall comply with the requirements of this Approved Plan. Updates to this plan will be performed annually by Wilson & Company and approved by DSBO, beginning in January of 2022 or at the request of DSBO.

Scott Waterman Name	Mića Anderson Name
Principal-in-Charge Title	DSBO Assistant Director Title
June 30, 2021 Date	July 2, 2021 Date
 Signature	 Signature