

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"), a New Mexico general partnership, whose mailing address is 1675 Broadway, Suite 200, Denver, Colorado 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 Public Works ("Executive Director") is the City's representative responsible for authorizing and approving the work performed under this Agreement. The Executive Director hereby designates the City Engineer as the Executive 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 Executive Director's approval. The Executive Director expressly reserves the right to designate another authorized representative to perform on the Executive 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 Public Works. 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 Executive 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 Public Works, 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 Executive 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 Executive Director, which approval shall not be unreasonably withheld.
- (g) If, during the term of this Agreement, the Executive Director determines that the performance of approved key personnel or a subconsultant is not acceptable, he shall notify the Design Consultant and give the Design Consultant the time which the Executive Director considers reasonable to correct such performance. Thereafter, he may require the Design Consultant to reassign or replace such key personnel. If the Executive 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 Executive 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 Executive 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 Executive Director before they are assigned to a specific project.
- (k) The Executive Director shall respond to the Design Consultant's written notice regarding replacement of key professional personnel within fifteen (15) days after the Executive Director receives the list of changes. If the Executive 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 Executive 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 Sections 28-31 to 28-36 and 28-52 to 28-90 D.R.M.C. (the “M/WBE Ordinance”) and any Rules or Regulations promulgated pursuant thereto. The Design Consultant identified in its Proposal MBE and/or WBE firms with which it intends to subcontract under this Agreement, with a total participation level by such firms of **25%**. The project goal for M/WBE participation established for this Agreement by the Division of Small Business Opportunity (DSBO) is 100%.
- (b) Under § 28-72 D.R.M.C., the Design Consultant has an ongoing, affirmative obligation to maintain for the duration of this Agreement, at a minimum, compliance with its originally achieved level of MBE and WBE participation upon which this Agreement was awarded, unless the City initiates a material alteration to the scope of work affecting MBEs or WBEs performing on this Agreement through change order, contract amendment, force account, or as otherwise described in § 28-73 D.R.M.C. The Design Consultant acknowledges that:
 - 1. It must establish and maintain records and submit regular reports, as required, which will allow the City to assess progress in achieving the M/WBE participation goal.
 - 2. If change orders or any other contract modifications are issued under the Agreement, the Design 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 § 28-73, 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 change orders or other contract modifications are issued under the contract, that include an increase in scope of work of this Agreement, whether by amendment, change order, force account or otherwise which increases the dollar value of the contract, whether or not such change is within the scope of work designated for performance by an M/WBE at the time of contract award, such change orders or contract modification shall be immediately submitted to DSBO for notification purposes. Those amendments, change orders, force accounts or other contract modifications that involve a changed scope of work that cannot be performed by existing project subconsultants or by the Design Consultant shall be subject to a goal for M/WBEs equal to the original goal on the contract which was included in the proposal. The Design Consultant shall satisfy such goal with respect to such changed scope of work by soliciting new M/WBEs in accordance with § 28-

73, D.R.M.C., as applicable, or the Design Consultant must show each element of modified good faith set out in § 28-75(c) D.R.M.C. The Design Consultant shall supply to the Executive Director the documentation described in § 28-75-(c) D.R.M.C. with respect to the increased dollar value of the contract.

4. Failure to comply with these provisions may subject the Design Consultant to sanctions set forth in the M/WBE Ordinance. Should any questions arise regarding specific circumstances, the Design Consultant must consult the M/WBE Ordinance or 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 ONE THOUSAND SEVEN HUNDRED SIXTY SEVEN DOLLARS AND ZERO CENTS (\$1,301,767.00)**, 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 Executive 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 B**, 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. Executive Director

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 **THREE HUNDRED SEVENTY SIX THOUSAND EIGHT HUNDRED SIXTY FOUR DOLLARS AND ZERO CENTS (\$376,864.00)**.

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 Executive Director, withhold reasonable amounts from billing and the entirety of the final payment until all such requirements are performed to the satisfaction of the Executive 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 SIX HUNDRED SEVENTY EIGHT THOUSAND SIX HUNDRED THIRTY ONE DOLLARS AND ZERO CENTS (\$1,678,631.00)** (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 this 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 execution of this Agreement and expire, 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 Executive Director.
- (b) The Executive Director may terminate this Agreement for cause at any time if the Design Consultant's services become unsatisfactory, in the sole discretion of the Executive 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 Executive 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 Design Consultant's Records. Records of the Design Consultant's direct personnel, consultant and reimbursable expenses pertaining to this Project and records of accounts between the City and the Design Consultant shall be kept on a generally recognized accounting basis. The Design Consultant agrees that any duly authorized representative of the City, including the City Auditor, shall, until the expiration of three (3) years after the final payment under this Agreement, have access to and the right to examine any books, documents, papers and records of the Design Consultant, involving transactions related to this Agreement.

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 Design Consultant agrees not to refuse to hire, discharge, promote or demote, or to discriminate in matters of compensation against any person otherwise qualified, solely because of race, color, religion, national origin, gender, age, military status, sexual orientation, marital status, or physical or mental disability. The Design Consultant agrees to insert the foregoing provision in all subcontracts hereunder.

5.07 Insurance.

- (a) **General Conditions:** Design 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. Design 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, and for eight (8) years after termination of the Agreement. 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 contain a valid provision or endorsement requiring 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, Design 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. If any policy is in excess of a deductible or self-insured retention, the City must be notified by the Design Consultant. Design 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 Design Consultant. The Design 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:** Design Consultant shall provide a copy of this Agreement to its insurance agent or broker. Design Consultant may not commence services or work relating to the Agreement prior to placement of coverages required under this Agreement. Design 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 Design 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
- (c) **Additional Insureds:** For Commercial General Liability, Auto Liability and Excess Liability/Umbrella (if required), Design Consultant and subcontractor'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's insurer shall waive subrogation rights against the City.
- (e) **Subcontractors and Subconsultants:** All subcontractors and subconsultants (including independent contractors, 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 Design Consultant. Design Consultant shall include all such subconsultants 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. Design Consultant agrees to provide proof of insurance for all such subcontractors and subconsultants upon request by the City.
- (f) **Workers' Compensation/Employer's Liability Insurance:** Design 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. Design Consultant expressly represents to the City, as a material representation upon which the City is relying in entering into this Agreement, that none of the Design Consultant's officers or employees who may be eligible under any statute or law to reject Workers' Compensation Insurance shall effect such rejection during any part of the term of this Agreement, and that any such rejections previously effected, have been revoked as of the date Design Consultant executes this Agreement.
- (g) **Commercial General Liability:** Design Consultant shall maintain a Commercial General Liability insurance policy with limits of \$1,000,000 for each occurrence, \$1,000,000 for each personal and advertising injury claim, \$2,000,000 products and completed operations aggregate, and \$2,000,000 policy aggregate.
- (h) **Business Automobile Liability:** Design Consultant shall maintain Business Automobile Liability with 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):** Design Consultant shall maintain limits of \$1,000,000 per claim and \$1,000,000 policy aggregate limit.
- (j) **Additional Provisions:**
 - (a) For Commercial General Liability, the policy must provide the following:
 - (i) That this Agreement is an Insured Contract under the policy;
 - (ii) Defense costs are outside the limits of liability;
 - (iii) A severability of interests or separation of insureds provision (no insured vs. insured exclusion); and
 - (iv) A provision that coverage is primary and non-contributory with other coverage or self-insurance maintained by the City.
 - (b) For claims-made coverage:

- (i) The retroactive date must be on or before the contract date or the first date when any goods or services were provided to the City, whichever is earlier.
- (c) Design Consultant shall advise the City in the event any general aggregate or other aggregate limits are reduced below the required per occurrence limits. At their own expense, and where such general aggregate or other aggregate limits have been reduced below the required per occurrence limit, the Design Consultant will procure such per occurrence limits and furnish a new certificate of insurance showing such coverage is in force.

5.08 Defense & Indemnification.

- (a) To the fullest extent permitted by law, the Design 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 Design Consultant or the Design 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) Design Consultant’s obligation to defend and indemnify may be determined after Design Consultant’s liability or fault has been determined by adjudication, alternative dispute resolution, or otherwise resolved by mutual agreement between the parties. Design 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 Design Consultant is not named as a Defendant.
- (c) Design 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 Design Consultant under the terms of this indemnification obligation. The Design 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/Rates
- Exhibit B Key Personnel

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, in descending order:

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

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 its 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 Design 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 Design 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 Design 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 Design 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 Design 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 Design Consultant is liable for any violations as provided in the Certification Ordinance. If Design 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 Design 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 Design 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 Executive 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 Executive 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 Executive 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 Executive 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 Design 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 Public Works
201 West Colfax Avenue, Dept. 601
Denver, Colorado 80202

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

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:

REGISTERED AND COUNTERSIGNED:

By _____

By _____

By _____



Contract Control Number: PWADM-201631248-00

Contractor Name: WILSON & COMPANY, INC., ENGINEERS &
ARCHITECTS

By: 

Name: MARK M SCHOLFIELD
(please print)

Title: VICE PRESIDENT
(please print)

ATTEST: [if required]

By: _____

Name: _____
(please print)

Title: _____
(please print)



EXHIBIT A

SCOPE OF WORK

Brighton Boulevard – 44th Avenue to Race Court

Final Design RFQ – Scope of Work

Project Overview

The City and County of Denver (the “City”) is seeking a team (the “Consultant”) to provide design services for the reconstruction of Brighton Boulevard between 44th Street and Race Court, which is adjacent to and part of the development of the National Western Center project (“NWC”). The engagement will be via a not-to-exceed contract, and will include design of the following primary project elements (collectively, the “Project”):



1. 100%/Final design of the Brighton Boulevard right of way between 47th and the bridge over Race Court.
2. 100%/Final design of 49th Avenue between Brighton Boulevard and High Street
3. 100%/Final design of a bicycle connection between Brighton/44th Street and Brighton/47th Avenue which would follow 44th Street under I-70 en route to 47th Avenue. Coordinate design with a new bicycle facility on 47th Avenue between Brighton Boulevard and Clayton Street that is currently in early planning stage with the City.
4. Coordination with CDOT to ensure that the previously completed 30% design for Brighton between 44th and 47th Streets interfaces properly with CDOT's design for the I-70 East Corridor.
5. Final design for the replacement of the Brighton Boulevard bridge over Race Court.
6. Conceptual design of the Race Court loop road connection back to Brighton.

Item 6 above should not be factored into the critical path of the design schedule. It is the City's desire to complete the design of Item 6 within the allocated schedule for the design of the roadway, but it should not impact the critical path, and may be completed as a separate design package, if necessary.

Similarly, it is the City's desire to include the construction of the Brighton Boulevard Bridge over Race Court in the overall project (#5 above), and complete construction in advance of the RTD station opening at Brighton and 49th Avenue, which is currently scheduled for the third quarter

of 2018. However, the Consultant shall include a recommendation in the Consultant's proposal about whether it is feasible to complete the bridge construction prior to the opening of the station.

The redevelopment of Brighton Boulevard is part of a broader vision of Mayor Michael B. Hancock to establish a new gateway into Denver between Denver Union Station (DUS) and Denver International Airport (DIA). It is a key placemaking component of the 23-mile Corridor of Opportunity and one of six major

portfolios of the North Denver Cornerstone Collaborative (NDCC). The NDCC was created by Mayor Hancock in 2013 to align all of these efforts under one coordinated vision as part of creating a world class city and to help rebuild and reconnect the neighborhoods of Globeville, Elyria and Swansea to the rest of the City. In addition, Brighton Boulevard redevelopment is a critical component of National Western Center (NWC) redevelopment, one of the NDCC projects. The NWC Master Plan lays out a vision for redevelopment, including context areas and regeneration goals. This context and regeneration goals must be considered and incorporated throughout Brighton Boulevard reconstruction design.

Together the projects will promote sustainability and enhance Denver's resilience toward a changing climate. Increasing connectivity of this area through improved traffic flow and multimodal transportation will result in lowered vehicle emissions and pollution. Improvements to infrastructure will also benefit Denver's efforts to address environmental justice by improving connectivity in the area, providing easier access to jobs and recreation facilities, and creating accessible and inviting connections between the adjacent neighborhoods and the National Western Center.

The program to redevelop Brighton Boulevard is divided into four primary sections, each with their own distinct character. The stretch from 44th to Race Court is defined as the "National Western Center" section, and is included in the larger program to expand and redevelop the existing National Western Stock Complex and Denver Coliseum into a year-round destination for entertainment, trade, and food systems industry and research. . This effort is critical to redevelopment in the area, critical to improving multi-modal connectivity in the area, and to linking the NWC with the surrounding neighborhoods.

This Project also involves professional design engineering and related services required to produce final design and Public Outreach work. In July 2015, a 30% (preliminary) design of Brighton Boulevard was completed by Short, Elliott and Hendrickson, Inc. that included the section of right of way highlighted in the figure to the right. The 30% design did not include scope elements 2, 3, 5 and 6 from the list above. This Project will build upon the preliminary design.

All right-of-way acquisition will be handled by the City and County of Denver and is presently underway.

The following documents are included as references to this scope of work:

1. Brighton Boulevard 30% Design, 44th to Race Court
2. Brighton Boulevard Final Design, 29th Avenue to 44th Avenue
3. National Western Center Master Plan
4. National Western Center Master Plan – Appendix D (Regeneration Framework)
5. Elyria Swansea Neighborhood Plan
6. RTD 90% Design for the commuter Rail Station at Brighton Boulevard and 49th Avenue
7. Phase II environmental studies of the NWC area, including the DPS Bus Barn Site
8. I-70 Partial Cover Lowered Montclair Basin and Park Hill Drainage Basin Hydrologic Analyses

The basic services which must be performed on the Project have been separated into the tasks described below. Since Construction Services would be performed during construction, this task is not shown in the schedule below.



Please, note that the following tasks are provided as optional design elements in the fee schedule:

- Task 3.1 Civil Engineering Bridge – Race Court Bridge
- Task 3.2 Civil Engineering – Race Court Loop Connection Study
- Task 3.4 Civil Engineering - Structural Design of 49th Avenue
- Task 15.1 Sustainability – Optional SITES Certification
- Task 17.1 Construction Services – Brighton Bridge
- Task 20 100% Design Support – Brighton Boulevard, 44th to 47th Avenue

Project Timeline

This is a scope of work for a Final Design and Construction Administration Contract. It is anticipated that the following tasks will be completed within nine (9) months from the issuance of the Notice to Proceed, with the exception of Construction Services (Task 17), and potentially the conceptual design of the Race Court loop road connection back to Brighton, as well as the Brighton Boulevard bridge over Race Court. The construction of both of those scope elements are not critical for the completion of the roadway at the new RTD station, therefore the Consultant should indicate in their proposal whether the design of those elements can be completed within the allotted time.

The proposed schedule of activities is depicted below.

SCHEDULE OF ACTIVITIES

Task #	Description	Month								
		1	2	3	4	5	6	7	8	9
1	Project Management									
2	Meetings									
3	Civil Engineering Design (Roadway, Bridge, 49 th Ave Structural Feasibility, Loop Road)									
4	Geotechnical									
5	Environmental									
6	Drainage & Water Quality Design									
7	Signing, Striping, and Traffic Signal Design									
8	Construction Traffic Control Design									
9	Urban/Hardscape Design									
10	Landscaping, Irrigation, and Lighting Design									
11	Cost Estimating									
12	Public Outreach and Public Meetings									
13	Utilities									
14	Survey									
15	Sustainability									
16	Integrated Contractor (IC) Coordination									
17	Construction Services	To commence after completion of design								
18	Operations & Maintenance Plan									
19	TOD Site/Visit Dropoff Study									
20	100% Design Support of Brighton, 44 th to 47 th									
21	Additional Services (TBD, if needed)									

Note - See specific tasks for deliverables

Specific Tasks

The following are the specific tasks for the Brighton Boulevard Final Design. Unless noted otherwise, all deliverables shall be provided to the PM in electronic format in both PDF and CAD, if applicable. Delivery shall be via a mutually agreeable medium (CD, flash drive, FTP or other secure transfer protocols).

Task 1: Project Management

The **City Project Manager (“PM”)** for the Brighton Boulevard Design will be responsible for the day-to-day management of the Consultant team and satisfactory completion of the scope of work. Specifically, the City PM will:

- Serve as the primary liaison between the Consultant and the City, ensuring that the City’s program, goals, budget and schedule for the project are met by the Consultant
- Have primary authority for contract management, direction and enforcement
- Review and approve the Consultant’s monthly progress reports and invoices
- Review and approve any significant schedule changes and any contract modifications
- Review and approve all meeting agendas, minutes and meeting materials prepared by the Consultant
- Hold regular meetings with the Project Management Team (“PMT”). The Project Management Team will include, but is not limited to, representatives from Public Works, Parks and Recreation, Environmental Health, Community Planning and Development, North Denver Cornerstone Collaborative, Office of the National Western Center (“NWCO”), Western Stock Show Association, NDCC, and Development Services. Consultant will not be expected to attend PMT meetings, unless presentations of design progress are requested or warranted.

The **Consultant PM** will:

- With input from the PMT, develop and maintain a Project Execution Plan for the final design. The Project Execution Plan will:
 - Specify the roles and responsibilities of the Consultant and other design participants;
 - Identify goals and key objectives
 - Identify specific work tasks, sub-tasks and provide a timeline, schedule and scope of work.
- Enable weekly coordination with the PM
- Monitor the project budget, schedule, and deliverables
- Oversee and manage the sub-consultants
- Prepare and send monthly invoices to the PM

Deliverables:

- Project Execution Plan, to be updated on an agreed-upon regular basis, including
 - Detailed Final Design Project Schedule
- Monthly Invoices

Task 2: Meetings

The Consultant will prepare for and attend the following meetings:

Meetings:

- Meetings with the PM on a bi-weekly basis, at a minimum. Depending on intensity of coordination requirements during various phases of design, meetings on a weekly basis may be required at times.
- Quarterly NDCC Town Hall Meetings
- Presentations at two (2) meetings with the National Western Center Citizen's Advisory Committee
- Presentation at one (1) meeting of the National Western Center Executive Oversight Committee
- Presentation at two (2) public meetings, beyond the NDCC Town Hall Meetings
- Six (6) PMT meetings
- Miscellaneous meetings and presentations, as required
- Plan review meetings as necessary to address comments from plan reviewers

Deliverables:

- Meeting notes and action items from PMT and Miscellaneous Meetings, for review and approval by the City PM.

Task 3: Civil Engineering Design

Civil engineering design will include the following:

1. 100%/Final design of the Brighton Boulevard right of way between 47th and the bridge over Race Court.
2. 100%/Final design of 49th Avenue between Brighton Boulevard and High Street
3. 100%/Final design of a bicycle connection between Brighton/44th Street and Brighton/47th Avenue which would follow 44th Street under I-70 enroute to 47th Avenue.
4. Final design for the replacement of the Brighton Boulevard bridge over Race Court – Optional Task 3.1)
5. Conceptual design of the Race Court loop road connection back to Brighton – Optional Task 3.2

The segment of Brighton Boulevard between 44th and 47th Avenues will be designed and constructed by CDOT as part of their Central 70 project. The City provided the 30% design plans to CDOT to incorporate in their RFP documents for procurement of their developer, and Consultant shall coordinate with CDOT on their final design of that segment of Brighton, ensuring that all City requirements and desired design/performance specifications are met, where possible. The Consultant will provide 100% design support for incorporation of City desired betterments for the segment (Optional Task 20).

Final Roadway Design (Brighton Boulevard from 47th to Race, 49th Avenue from Brighton to High)

- Typical Sections
 - Finalize the Brighton Boulevard typical sections
 - Finalize cross street typical sections, including pavement sections.
- Alignments
 - Finalize Brighton vertical alignment
 - Finalize cross street horizontal alignments

- Finalize cross street vertical alignments
- Intersections
 - Finalize intersection design including bike facility interface
 - Finalize curb returns
- Access
 - Finalize horizontal layouts of accesses
 - Develop vertical layouts of accesses
- Transitions
 - Finalize transitions for cross section elements such as sidewalks, amenity zones, and bike facility at intersections and at the ends of the project.
- Bicycle Facility
 - Finalize cycle track type and design and/or protection treatment for bicycle facility along corridor
 - Finalize detail treatment of bicycle facility at driveways and intersections utilizing best practices identified in NACTO and similar bicycle treatment guidelines. Appropriate signing and striping will be identified at all driveways along the corridor.
 - Finalize bicycle connection from Brighton Boulevard at 44th Street, continue the connection from 44th Street under I-70 and connect to 47th Avenue and Brighton Boulevard.
 - As applicable, coordinate design of cycle track with design of new bicycle facility on 47th Avenue between Brighton Boulevard and Clayton Street.
- Bus stops
 - Finalize locations for bus pads and bus stops, in close coordination with RTD and the neighboring community
 - Finalize layouts for bus pads and bus stops, in close coordination with RTD and the neighboring community
- Commuter Rail Station
 - Coordinate with RTD on aspects including, but not limited to, the following elements:
 - Roadway design adjacent to station, including pull-outs for buses
 - Drainage detention and water quality
 - Determine crossing treatment as appropriate at the station to facilitate pedestrians crossing Brighton Boulevard at the station. The treatment should be consistent with the City's pedestrian crossing guidelines.
- Concrete Jointing Plans
 - Develop concrete jointing plans
- Structural Engineering Support
 - Develop structural details for special inlets
- Cross Sections

- Finalize cross sections for Brighton Boulevard
- Finalize cross sections for cross streets
- Cross sections will be every 20 feet and at key locations
- Removals
 - Finalize removals plans
- Finalize civil engineering design quantities
- Coordinate design with other disciplines (drainage, bike facility design, urban design, landscape, multi-modal transportation, water quality), and ensure that NWC Master Plan goals from the Regeneration Framework (IHW 2, 2.1, 2.2, 5) related to active and multi-modal transportation and heat island, and CNI1, 1.1,1.2, and 2 regarding access for neighbors and visitors and culturally relevant engagement, and applicable ERN goals related to stormwater management are incorporated.
 - Incorporate drainage facility design and water quality features in plan set
 - Incorporate urban design and landscape features in plan set
- Perform internal QC review of the Final Civil Plans
- Update the Final Civil Plans based on QC review comments
- Coordinate with the City's Integrated Construction (IC) Contractor

Final Civil Plans

- Print, assemble, and submit the design plan packages, as outlined below.
 - Roadway, Drainage, Urban Design Plans shall be 1"= 50' Scale
- Update the Final Civil Plans based on City and Supporting Agencies review comments
- Print, assemble, and submit the Construction Bid plan package in accordance with the requirements of the Integrated Construction contract between the City and Kiewit Infrastructure Group ("Kiewit")

Deliverables:

- 60% and Final Civil Plans and Specifications
- Documentation of comments and responses on 60% and Final Civil Plans
- Construction Bid Plans and Specifications

Task 3.1: Civil Engineering – Race Court Bridge - Optional

Bridge Design

- Develop and incorporate aesthetic goals, as the City does not currently have any aesthetic goals for this bridge. It should be fully integrated into the adjacent roadway and "disappear" from the perspective of those passing over it. The quality of materials for both the roadway and bridge structure should be consistent with the design of the new roadway to the south. (Note: NWC Master Plan Regeneration Framework has a goal CFE 4 to integrate local and regional art into site design.)
- Perform the structural analysis. Provide superstructure design, substructure design and document the design with design notes, detail notes, and computer outputs.

- Develop LRFR's (load and resistance factor ratings) for the structures in accordance with the CDOT Bridge Rating Manual and the AASHTO Manual for Bridge Evaluation
- Design a span length at least as long as that of the RTD commuter rail bridge, and that conforms with the Race Court roadway cross section as defined in the National Western Center Master Plan
- The northern limit of roadway construction will depend upon the distance required to mitigate grades
- Provide a minimum vertical clearance of at least 16.5 feet from the current Race Court alignment, while also accommodating future excavation of Race Court
- Design removal of existing bridge to avoid impact to adjacent structures
- Determine cross-section of the bridge
- Obtain geotechnical borings at the location of each substructure unit, at a minimum.
- Design must consider environmental hazards
- Determine if right-of-way needed, preparing ROW plans as necessary
- Coordinate with the railroad and RTD; coordinate with CDOT as needed
- Design to CDOT standard details and specifications
- Attend meetings which are specific to the bridge design, as required.

NOTE: This task is separated in the schedule as a distinct element with its own cost and schedule.

Deliverables:

- 60% and Final Civil Plans and Specifications
- Documentation of comments and responses on 60% and Final Civil Plans
- Construction Bid Plans and Specifications

Task 3.2: Civil Engineering – Race Court Loop Connection Study - Optional

Conceptual Design of the Race Court loop road and underpass

Provide conceptual design for new right of way connecting Brighton Boulevard and Race Court. Race Court to the west of Brighton is a gateway to a large commercial district, and the majority of vehicles traveling through the existing interchange are heavy commercial vehicles. The existing interchange includes a steep ramp up to Race Street from the Race Court underpass, and much of the traffic travels through the neighborhood to get back to Brighton Boulevard.

The Master Plan contemplates a Loop Road that provides a new, safe connection from Race Court to Brighton Boulevard that eliminates the need for commercial traffic to traverse the neighborhood.

Prepare a conceptual design to lower the existing Race Court roadway as necessary, and construct a new Loop Road connection to Brighton Boulevard.

The submittal shall include conceptual plans in addition to a report which addresses the following:

- Right of way impact
- Impact to utilities
- Drainage
- Vertical clearance of the bridge

- Horizontal alignments including tie-in options at Brighton Boulevard
- Roadway width
- Environmental concerns
- Impact to existing structures including the new RTD structure and heavy rail structures. This impact should identify whether the structures can remain in place with the roadway lowering.

The design criteria for this work shall include AASHTO Roadway Design Guides, drainage capacity consistent with City and County of Denver standards, a minimum vertical clearance of 16.5 feet, and a roadway cross-section consistent with the planned ultimate cross sections for Race Court.

NOTE: This task should be separated in the fee schedule as a distinct element with its own cost and schedule.

Deliverables:

- Conceptual Design plans, specifications and estimate

Task 3.3: Civil Engineering – Structural Feasibility Study of 49th Avenue

It is anticipated that 49th Avenue may require a specialized structural design to support the pavement structure on weak subgrade material. This task includes a feasibility study to assess design approaches and provide a recommendation on a preferred alternative concept.

Deliverables:

- Structural Feasibility Study

Task 3.4: Civil Engineering – Structural Design of 49th Avenue - Optional

This task develops a design based on the preferred alternative concept recommended in the Structural Feasibility Study. Design will be provided for 60% and final plans with construction specifications.

Deliverables:

- 60% and Final Civil Plans and Specifications
- Documentation of comments and responses on 60% and Final Civil Plans
- Construction Bid Plans and Specifications

NOTE: This task is separated in the schedule as a distinct element with its own cost and schedule.

Task 4: Geotechnical

This task includes the subsurface investigation for the purposes of final structural foundation recommendations, bridge and retaining wall design, roadway and structural fill recommendations and pavement design for the project described in the overview. The task also includes providing boring log plan sheets and materials-related project specifications. Based upon environmental site assessments which have been or are currently being performed by the Department of Environmental Health and are either included as attachments to this scope of work or will be made available to Consultant as soon as they are complete perform design as required to address existing hazardous materials removal or remediation. All work shall be coordinated with the NDCC Environmental Coordinator, Celia VanDerLoop and the Department of Environmental Health.

- Review of existing environmental and geotechnical investigation reports for subject area and identification of gaps and data needs

- Propose and obtain soil and water samples for chemical analysis where needed.
- Perform subsurface geotechnical investigation and perform applicable laboratory tests in support of providing bridge and retaining wall design, final pavement design, roadway and structural fill, and structural foundation recommendations.
- Finalize and provide the stabilization plan/pavement design and structural foundation report.
- Finalize geotechnical considerations and incorporate them into the plans.
- Write concrete pavement, hot mix asphalt, structural fill, roadway fill, and bridge project special provisions.
- Lead coordination meetings with CCD and all relevant stakeholders.

Deliverables:

- 60% and Final Geotechnical Report, for review and comment by the PMT. Acceptance of final report will be subject to satisfaction of all reviewer comments.

Task 5: Environmental Study

Currently, Brighton Boulevard north of 47th Avenue is undergoing a process of devolution which will transfer ownership from CDOT to the City and County of Denver. The CDOT environmental clearance work that is required for the devolution is complete. This task includes coordination with CDOT for the finalization of the devolution.

This task includes performing Phase 2 Hazardous Materials investigation, development of a hazardous Materials Management Plan, and development of a Methane Odors and Dust Control Plan. These work efforts are to be completed within the limits of the existing project right of way. Environmental investigation to support City property acquisition for the project are not a part of the scope of work.

NOTE: This task is included in the base scope of work for the project.

Deliverables:

- Phase 2 Hazardous Materials Investigation
- Materials Management Plan (MMP)
- Methane Odors and Dust Control Plan

Task 6: Drainage and Water Quality Design

Assumptions:

- RTD is constructing a 78" storm drain pipe under the railroad and extending it to the National Western station. That pipe must be extended south in Brighton Blvd to 47th Avenue then east as necessary in accordance with the Storm Drainage Master Plan. Although the Master Plan shows the pipe under 47th Avenue, it is possible that the Consultant will identify an alternative alignment. The outfall should be constructed to a point east of Brighton Blvd. to avoid future disruption.
- 2-foot base mapping provided by CCD or UDFCD is adequate for drainage basin delineation for offsite drainage basins.
- When performing analysis and design, utilize the designs for the nearby, planned drainage improvements which will be built by the Central 70 project, RTD, and the City.

The following Drainage work will be completed.

Hydrology

- Finalize establishment of drainage basin data: delineate, determine size, waterway geometrics, vegetation cover, land use
- Finalize analysis of hydrology for inlets, and culvert locations
- Finalize analysis of hydrology for street section, water quality structures, inlets, ditches, and green infrastructure
- Utilizing existing studies (including the I-70 Partial Cover Lowered Montclair Basin and Park Hill Drainage Basin Hydrologic Analyses), include flows from all tributary basins in the drainage study, i.e., east to Colorado Blvd., including a significant ponding area along the Union Pacific Railroad. Provide detailed analysis of the Sub-basins related to the Project right-of-way.

Hydraulics

- Finalize design of local drainage system for the Brighton section, providing capacity as needed to address flows from tributary basins.
- Finalize culvert pipe sizes, type, shape and material
- The street and storm sewer capacity shall meet the current criteria for minor and major storm event for both on-site and off-site runoff.
- Analyze the connection to the South Platte River outfalls.
- Permanent Water Quality Facilities
 - Perform an updated analysis of water quality needs. Preliminary analysis and design of water quality features has occurred for Brighton Boulevard from 44th to just beyond the curve at 49th Avenue, while no analysis has been performed for 49th Avenue or for the extension of Brighton northward beyond the Brighton curve at 49th Avenue;
 - The post construction water quality design shall handle all of the required capture volume per NWC Master Plan Regeneration Framework goal ERN 3.1. Analysis shall utilize the Storm Drainage Design and Technical Criteria Manual.
 - Identify opportunities to provide additional treatment for incoming flows, if possible
 - Finalize design of permanent water quality facilities
 - Coordinate locations and design of treatment areas with project team/ client and ongoing design of RTD water quality facility at the new commuter rail station at Brighton Boulevard and 49th Avenue; coordinate to meet objectives of project (Urban Design, Landscape, Water Quality, Transportation, and Engineering)
- Revise, as necessary, and finalize Stormwater Management Plan (SWMP)
- Prepare a final Hydraulics and Hydrology report which shall consider historical and fully developed flows of the basin and suggest appropriate measures to address passing of such flows. The Hydraulics and Hydrology report shall address existing storm water culvert crossings as well as analysis of the existing and proposed roadway drainage systems, including inlets, pipes and ditches.
- Final Water Quality Report
 - Final water quality report and water quality plan to address permanent water quality requirements for the project
- Prepare final drainage design plans

- Lead and attend drainage specific meetings. (Assume bi-monthly meetings for 6 months - 12 meetings)

Deliverables:

- 60% and Final Hydraulics and Hydrology Report
- 60% and Final Water Quality Report including Stormwater Management Plans
- 60% and Final Drainage Plans

Task 7: Signing, Striping, and Traffic Signal Design

For Brighton Boulevard and 49th Avenue, the following Signing, Striping, and Traffic Signal Design work will be completed. Additionally, this task includes 100%/final design of a bicycle connection between Brighton/44th Street and Brighton/47th Avenue which would follow 44th Street under I-70 enroute to 47th Avenue.

Signing and Striping

- Signals at 44th Street, and 47th and 49th avenues will be built with the first phase of construction, and the signal at 48th may be built in a later phase of construction on the NWC campus. Develop an interim signage plan for the intersection of Brighton and 48th Avenue, in case the signal is installed at a later date.
- Signing
 - Develop final signing plan
- Striping
 - Develop final striping design and plans
- Develop Bike Facility final signing and striping details
 - Details will focus on intersections, driveways, transition zones, and conflict points
- Prepare final signing and striping design quantities

Traffic Signal Design

- Develop final signal design for four (4) intersections- Brighton at 44th Street, and 47th, 48th, and 49th Avenues. Signals at 44th Street, and 47th and 49th Avenues will be built with the first phase of construction, and the signal at 48th may be built at a later date.
 - Signal design shall include location for controller cabinet, pedestrian push buttons, signal poles and mast arms, conduit and traffic signal heads
 - Include signal head configuration for vehicular and pedestrian traffic
 - Develop signal phasing to be included on the signal design sheets
- Develop Bicycle Facility signal details
 - Identify final signalization treatments to accommodate bicycle and pedestrian traffic where applicable
- Prepare final signal design quantities

Deliverables:

- Interim signing and striping plan for Brighton Boulevard and 48th Avenue
- Final Signing and Striping Plans
- Final Signal Plans

Task 8: Traffic Control Design

For Brighton Boulevard and for 49th Avenue, the following Traffic Control work will be completed.

Traffic Control Design

- Develop final temporary traffic control design.
 - Including identification of potential roadway, bicycle facility, and pedestrian detours
 - Including any proposed road closures
 - Including identification of possible construction stages
 - Including identification of construction haul routes
- Prepare final traffic control plans
 - Plans will include overall concept notes, standard traffic control details, and typical phasing section sheets
 - Plans will include detailed individual phasing plans showing striping and traffic control devices.
 - Plan sheets showing roadway and bicycle facility detours routes
- Develop traffic control design quantities

Deliverables:

- Final Traffic Control Plans
- Traffic Control Quantities

Task 9: Urban/Hardscape Design

For Brighton Boulevard from 47th to Race Court, including the Race Court Bridge, and for 49th Avenue, the following pavement, site design and furnishings design work will be completed.

- **Streetscape Design**
 - Pavements
 - Sidewalk layout and materials finishes
 - Concrete finishes and jointing
 - Enhanced pavement locations, specifications and design
 - Location and design of Suspended Pavement Systems, including specification of manufacturer
 - Pavement layout and design at Suspended Pavement Systems, including selection of manufacturer and unit paver type, color and size.
 - Tree Grate design and specification
 - Pavement construction details and specifications
 - Suspended pavement system details and specifications
 - Coordinate design of Bus Stop layout and amenities

- Note: NWC Master Plan Regeneration Goal IHW 5 addresses goals for reducing heat island effect
- Site Walls and Improvements
 - Layout, type and quantity of seating and site walls
 - Construction details and specifications.
 - Coordination with NWCO on potential additional enhancements to seat walls
- Porous Landscape Detention Areas
 - Location, size and water quality volume (coordination with Civil Engineer)
 - Coordinate design of sedimentation/inlet system, overflow and subgrade piping with Civil Engineer
 - Location and design of required safety railings and barriers at edges
- Furnishings
 - Benches, trash receptacles, bike racks, etc. (coordinate location and quantity.)
 - Bollard location, quantity, manufacturer and specification
 - Wayfinding and Identity Signage (coordinate location and quantity.)
 - Location and size requirements for Public Art installations (Coordinate with NWCO)

Deliverables:

- 60% and Final Site Layout and Materials Plans
- 60% and Final Construction details and specifications

Task 10: Landscape Architecture, Irrigation, and Lighting Design

For Brighton Boulevard and for 49th Avenue, the following Landscaping, Irrigation, and Lighting work will be completed.

These plans will include the following:

- Planting
 - Plant Material
 - Location, species and size (Note: NWC Master Plan Regeneration Framework goal ERN 3 contains a landscape design goal favoring the use of native plants to minimize irrigation needs, and EER 3.1 has a goal of zero potable water for landscaping at five years after full build-out)
 - Coordination with Forestry Department on street tree species, size and diversity
 - Tabulation of plant material quantities
 - Water Quality Facilities / Porous Landscape Detention (Note: NWC MP at ERN 3.1 contains goal of net zero or net positive impact on storm water quality)
 - Plant materials, species, location and size
 - Recommended soil profile/mix (coordination with the Civil Team)
 - Free-Standing Planters
 - Planting Details
 - Typical tree and shrub planting details
 - Tree planting at Suspended Pavement Systems
 - Planting details at Porous Landscape Detention (PLD)
 - Tree staking
- Irrigation
 - Location, size and coordination of irrigation mainline
 - Location and quantity of specified irrigation fixtures and piping
 - Location and quantity of irrigation controllers and meters
 - Sleeving and coordination with the Civil Team
 - Electrical conduit required for irrigation system

- Lighting (As much as possible/relevant), utilize specifications developed for the design of Brighton Boulevard, 29th to 44th Avenues.)
 - Location and specification of LED roadway lighting (coordinate with Civil Engineer and Xcel Energy)
 - Location, type and quantity of pedestrian/landscape lighting
 - Specification of pedestrian/landscape lighting fixtures
 - Photometric calculations and plans for pedestrian/landscape lighting
 - Coordinate electrical engineering drawings, including conduit, metering and transformer locations (engineering drawings by others)

Deliverables:

- 60% and Final Planting Plans and details
- 60% and Final Lighting Plans, specifications, and Electrical Plans (by Electrical Engineer)
- 60% and Final Irrigation Plans and specifications (by Irrigation Subconsultant)
- 60% and Final planting, lighting and irrigation specifications

Task 11: Cost Estimating

The following Cost Estimating work will be completed:

Engineer's Estimate

- Develop a construction cost estimate in conjunction with the 60% design package. Calculate quantities and unit price analysis for all identified pay items. Include a contingency for unknown items.
- Review contractor's cost estimate at Final Design to ensure the accuracy of all calculations, full inclusion of all design scope elements, validity of included unit costs, and risks associated with contractor's clarifications and assumptions.

Deliverables:

- 60% Construction Cost Estimate
- Review of contractor's construction cost estimate at Final Design

Task 12: Public Outreach and Public Meetings

The City will perform the Public Outreach and Public Meeting activities described below. The fee schedule includes a budget for Communication Infrastructure Group to support the City's Public Outreach and Public Meeting program on an as needed basis

The Consultant shall develop the design with input from NWCO, NDCC, other City agencies, and key stakeholders in the study area including members of adjacent communities. The Consultant is expected to be familiar with issues raised during previous public engagement efforts. The Public Engagement & Community Outreach will include the following:

Messaging and Project Materials

- The Consultant will work with the City's communications team to develop a message platform to guide all project communications. In addition, the Consultant will develop one (1) project overview fact sheet and up to two (2) other topic-specific handouts (e.g. FAQs, issue-specific fact sheets). All written and electronic communication shall be in a digital format that can be easily posted on the National Western Center website and be bi-lingual (English and Spanish).

Public Meetings

- Plan and execute two (2) public open-house meetings (as included in Task 2). Develop and manage a strategic work plan for each public meeting to ensure consistency in flow and message. Identify key components for which public input and preferences will be sought. Provide feedback on message and design of meeting materials (boards, presentation). Develop online and written public comment tools for each and track and summarize all input/feedback over the duration of the design process.

Specialized Meetings

- The Consultant will provide services plan, promote, convene, facilitate and summarize up to six (6) meetings with select local non-profit, RNO, school or association entities, as needed.

Digital Communications

- The Consultant will provide monthly content updates to be used by the City for both updates to the existing project website within the City's denvergov.org domain and the NDCC monthly newsletter.

NDCC/NWCO Coordination

- Consultant will help staff up to two (2) North Denver Cornerstone Collaborative or NWCO Open House meetings (as included in Task 2) and provide input on the project materials to be displayed at them.

Issues Management

- The Consultant will provide up to twenty (20) hours of senior level strategic planning, issues-management counsel and strategic guidance throughout the course of the project. The focus of this task will depend on the needs of the project but will likely focus on stakeholder relations, crisis preparedness and management and other top-level issues.

Deliverables:

- Bi-Lingual Fact Sheets
- Two (2) Topic-Specific Handouts
- Digital content updates
- Public Meeting Tracking/Reporting

Task 13: Utilities

The following Utility work will be completed:

Utility Plans, Coordination, and Supplemental Potholing

- Perform an existing utility/ final design conflict analysis
- Coordinate with utility owners
 - Coordination includes but is not limited to the following utilities:
 - Proposed sanitary sewer line which is currently proposed to be aligned under either 49th or 48th Avenue and cross Brighton Boulevard.
 - Potential Denver Water recycled water line (purple pipe)
- Prepare utility specifications
- Prepare utility plans
- Develop supplemental pothole plan and hire potholing contractor to pothole up to forty (40) locations over four (4) days
- Compile pothole data and update utility CAD file with pothole results.

Deliverables:

- Potholing summary report, including a map of pothole locations
- Final Utility Specifications
- Final Utility Plans

Task 14: Survey/ROW

The following survey and ROW work will be completed.

Range Point Perpetuation

The Consultant will 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. This includes performing a diligent search within limits of the roadway for all existing range points that, if found, shall require preservation during construction. By City and County of Denver requirements, after a comprehensive review of all available records is completed, the diligent search should include a 2-foot by 2-foot by 3-foot deep excavation at the site of the range line intersection. The search must continue until the monuments are located or until there is an explanation for their absence. Located monuments will be reported based on the City and County of Denver datum. For range points that are not successfully recovered, the Consultant will utilize the best available records and field evidence including but not limited to plats, official surveys and resurveys, tie books, monument records, and land survey plats in order to calculate a coordinate position based on the appropriate City and County of Denver datum.

Final ROW Plans

Based on the final design, the Consultant will prepare right-of-way plans (i.e. acquisitions, PEs, TEs) as needed within the project limits. The final right-of-way plan and legal description format will be acceptable to the office of the City Surveyor and the City and County of Denver Right of Way Services Section. Title commitments for the impacted parcels will be provided by The City and County of Denver. Final ROW plans and legal descriptions will be deposited at the City & County of Denver Clerk and Records Office. Four sets of 11" x 17" color copies of final ROW plans and a PDF file of the complete ROW Plans will be delivered to the client. ***The monumentation of existing or proposed right-of-way is not part of this scope of work.***

Survey

This task includes full survey as needed in order to complete the design of the project.

Task Description

- If required, obtain required right-of-entry permits for survey and geotechnical investigation associated with Task 4.
- Conduct/Attend coordination meetings with the City Surveyor's office.
- Provide required traffic control for survey activities.
- Depict topography, physical features and utilities on the base mapping along with existing right-of-way and property ownership. Prepare survey control map depicting locations of project monuments. All work of surveying and installation of monuments shall be in accordance with CCD requirements, the CDOT Survey Manual, and applicable State statutes.
- Locate subsurface investigation test holes in association with Task 4.
- Locate utility potholes in association with Task 12.
- Produce a planimetric map of the project area. Features located will include, but not be limited to surface and subsurface drainage features, irrigation ditches/conduits, lawn irrigation, signs, mailboxes, fences, driveways and/or curb cuts, curbs, sidewalks, and edges of pavements (asphalt and concrete).

- 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. The scope includes the cost of utility locates. Obtain invert elevations of manholes and vaults. Utility surveys will be accomplished within the project limits. Show the horizontal and vertical locations in the design plans and cross-sections. "Potholing" of utilities will be performed at critical locations. Attend Utility Coordination meetings as requested.
- Locate storm sewer pipes and inlets and determine invert elevations in association with Task 5.

Deliverables:

- Base Mapping
- Land Survey Plat
- Final Right-of-Way Plans
- Supplemental Survey- if needed

Task 15: Sustainability

Provide design which meets the sustainability and regeneration goals of the project and support the City in this effort. Consultant shall work with City staff and the National Renewable Energy Laboratory (NREL) to develop a design to meet the goals established in **Appendix D of the National Western Master Plan** (See Attachment to this RFQ), and document all efforts and achievements towards those goals. Goals are mentioned throughout this scope, and must be addressed. These include:

- ERN 2: "...favor the use of native plants, and integrate with water use goals"
- ERN 3 "Replace or integrate physical infrastructure with natural systems and/or incorporate functional biomimicry..."
- IHW 2 "Promote active transportation, active lifestyles, and access to nature..."
- IHW 2.1 "Provide multi-modal transportation connections, particularly to major transit stops, neighborhoods..."
- IHW 2.2 "Design the site for extensive active use (e.g. biking, recreation, walking)."
- IHW 4: "Establish and meet or exceed quality of life indicators (odor, noise, light pollution, traffic, etc.) for visitors and neighbors."
- IHW 5: "Reduce and/or mitigate heat island effect..."
- EER 1.3
- EER 3.3: "...use zero potable water for landscaping..."
- EER 4: "Divert at least 90% of allowable waste from landfill during all site manipulation and demolition processes."
- EER 5
- CNI 1: "Create porous district boundaries and physical, spatial, and psychological connections."
- CNI 1.1: Ensure access for neighbors and visitors to public transportation stops, NWC venues and amenities, and increase connectivity and mobility overall."
- CNI 2: Continue relationship building, communication, and interaction with surrounding communities and Denver metro region, including culturally relevant engagement methods, to address community needs and reduce uncertainty."
- CFE 4: "Integrate local and regional visual ...art and artists into the site design..."

Deliverables:

- Documentation (white paper, memo, or similar) that identifies how sustainability/regeneration goals are incorporated throughout the Design

Task 15.1 : Sustainability – Optional Sites Certification

Use SITES sustainability scoring and obtain SITES certification.

Task 16: Integrated Contractor (IC) Coordination

For the construction of this project, the City plans to, under a separate contract, engage the services of an Integrated Contractor (IC). The Consultant will coordinate with the IC on the following items:

- Final Construction Cost Estimate reviews
- Constructability reviews
- Value Engineering exercises
- 60% and Final Construction Plan reviews

It is assumed that the Consultant will meet with IC Team eight (8) times. Reviews will occur at the following milestones:

- Project initiation (review of 30% documents)
- 60% design submittal
- Final design (95% to 100%) submittal

Deliverables:

- Attendance at eight (8) meetings with the IC Team

Task 17: Construction Services

This task covers services conducted during the construction phase.

Task Description

- Review submittals as requested.
- Respond to RFI's (Request for Information) within three business days
- Conduct periodic site inspections as requested
- Attend project meetings when requested
- Participate in Substantial Completion walk-through
- Prepare as-built plans based upon redlines by the Contractor and CCD.
- For City storm and sanitary facilities, field notes will need to be signed and sealed by a Professional Land Surveyor.

Task 17.1: Construction Services – Brighton Bridge - Optional

This task covers services for the Brighton Boulevard/Race Court bridge conducted during the construction phase.

Task Description

- Review submittals as requested.
- Respond to RFI's (Request for Information) within three business days
- Conduct periodic site inspections as requested
- Attend project meetings when requested
- Participate in Substantial Completion walk-through
- Prepare as-built plans based upon redlines by the Contractor and CCD.
- For City storm and sanitary facilities, field notes will need to be signed and sealed by a Professional Land Surveyor.

NOTE: This task is separated in the schedule as a distinct element with its own cost and schedule.

Task 18: Operations & Maintenance Plan

The eventual NWC Public Authority will be responsible for O&M of all non-roadway improvements, and would like to understand the annual costs and responsibilities associated with operating and maintaining the amenities, water quality features and landscaping within the right of way. Consultant shall develop a five-year Operations & Maintenance (O&M) Plan for all improvements and amenities that are not within the roadway, including but not limited to:

- Pedestrian and bicycle facilities
- Water quality features
- Landscaping/irrigation
- Specialty site lighting
- Specialty signage

Deliverables:

- Five-year O&M Plan

Task 19: TOD Site/Visit Dropoff Study

This task covers additional study of the built environment for the area immediately adjacent to Brighton Boulevard at the new 49th and Brighton RTD Commuter Rail Station.

The Master Plan currently contemplates a large plaza between the future Trade Show/Expo Hall and the new RTD Commuter Rail Station on the west side of Brighton Boulevard. Consultant shall engage appropriate expertise, including but not limited to architecture and urban planning, to conduct a site test and conceptual density/massing study that establishes one of the campus's gateway entries from the north and transit station. These concept studies will help guide the Campus Placemaking team in further refinement of the station plaza and its relationship to the buildings around it.

Task Description (subject to change through mutual agreement with Consultant):

- Conduct necessary due diligence to summarize development constraints for the site
- Lead charrette with NWCO staff and NWC Partners regarding potential development ideas and opportunities
- Integrate tour and school bus drop off on the west side of Brighton Blvd into the overall transit station design
- Provide three (3) conceptual site studies for review by NWC Partners
- Finalize recommendations with site plan, 2D and 3D sketches/renderings of the approved concept

Deliverables:

- Three (3) conceptual site studies, including site plan and 2D sketch for each
- Final conceptual site plan, 2D and 3D sketch/rendering

Task 20: 100% Design Support - Brighton Blvd. (44th Street to 47th Avenue) - Optional

The additional fee that is provided is to cover City requested betterments to that segment of Brighton Boulevard such as water quality features, urban design and landscaping. This also includes 100% design in the area southwest of 47th and Brighton Boulevard (north of the 46th Avenue intersection).

Task 21: Additional Services

At the request of the City PM and with written confirmation, the Consultant will provide additional services to support the final design. Before any additional services are provided, the additional services scope and required level of effort will be agreed upon by the City PM and the Consultant PM.

EXHIBIT B

RATES & FEES ESTIMATE

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Design Team		
Sr. Principal	QA of staff resources for contract	\$255.00
Principal	Overall contract and project management; project scoping; client coordination; task management	\$225.00
Senior Project Manager	Management of complex large design tasks	\$205.00
Senior Structural Engineer	Management and design of structural engineering activities	\$200.00
Senior Planner	Management and Planning Activities and Studies	\$205.00
Senior Design Engineer	Provides senior engineering support on projects	\$172.00
Design Engineer	Provides engineering support on projects	\$140.00
Junior Engineer	Completes entry level engineering	\$124.00
Engineering Intern	Completes intern level engineering	\$90.00
Senior CADD Technician	CADD project design	\$98.00
CADD Drainage Drafter	CADD project set up, drafting, GIS	\$74.00
Construction Management		
Senior Construction Manager	Provides construction management duties	\$108.00
Construction Observer	Provides construction observation duties	\$78.00
Survey Services		
Survey Project Manager	Registered Land Surveyor	\$175.00
Party Chief Surveyor	Provides survey duties	\$85.00
Instrumentation	Provides assistance for survey duties	\$60.00
CADD Survey	Provides CADD survey duties	\$80.00
Miscellaneous Services		
Administrative/Clerical	Contracting; project administration; invoicing	\$96.00

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

Unless expressly authorized by the City as part of any approved project proposal or specified in the contract, the City will not compensate the Consultant for expenses such as postage, travel, mileage, telephone, reproduction and messenger service costs incurred in connection with Work performed under this Agreement. 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 reproducible, etc. are not included in the hourly rates, and will be itemized as part of each on-call task order as a not-to-exceed reproducible expense and will be reimbursed as actual cost.

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.

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: Anderson Mason Dale 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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal		\$245
Principal- I		\$210
Project Manager		\$165
Architect III		\$144
SP/JC/CA		\$140
Architect II		\$117
Architect I		\$102
Intern III		\$98
Intern II		\$87
Intern I		\$68
Student Intern		\$60
Clerical		\$85

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

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

FIRM NAME: Anderson Mason Dale 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.

Actual Costs

<u>Item</u>		<u>Charge Rate</u>
Copies (8 ½ x 11")	B&W	\$ 0.10 / each
Copies (8 ½ x 14")	B&W	\$ 0.10 / each
Red-line copies	large format color	\$ 1.50 / S.F.
Reproducibles	24"x 36"	\$ 1.00 / page
Copies (8 1/2 x 11")	Color	\$ 0.25 / each

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: CIG Public Relations

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Owner/CEO	Senior level issues management, crisis preparedness and management of top-level issues as needed	\$275
Counselor	Strategic communication planning, issues management and messaging and coordination of specialized meetings	\$175
Chief Creative Officer	Collaboration with NWCO, NCDD and other city agencies as needed to ensure consistency in communication materials	\$175
Graphic Designer	Design meeting materials, written collateral and digital communications consistent with NWCO look and feel	\$100
Senior Associate	Develop written project materials, plan public meetings, track public comments, coordinate with translator and assist with open houses	\$150
Translator	Translate written materials into Spanish and provide translation services at public meetings	\$110
Specialist	Provide additional meeting support and various administrative functions as needed	\$80

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

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

FIRM NAME: CIG Public Relations

(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.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Overview fact sheet and other handouts (8 ½ x 11")	\$.75 / each
Display boards for public meetings	\$ 60 / each
Written comment cards	\$.35 / each
Online comment tracking program	\$ 1,000

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: Dig Studio Inc.

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal Planner	Lead Planner/Urban Design Oversight	\$175
Principal Landscape Architect	Lead Urban Designer/Landscape Architect	\$135
Senior Associate Landscape Architect	Project Management, Design and Planning, Production Lead	\$110
Landscape Architect	Design and Planning Production, Cost Estimation	\$90
Landscape Designer	Graphics, Design and Planning Production	\$85

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rates: 2.75

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

FIRM NAME: Dig Studio 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:

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.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies – Color (8 ½ x 11")	\$.50 / each
Copies – B&W (8 ½ x 11")	\$.05 / each
Copies (8 ½ x 14")	\$.50 / each
Red-line copies	\$ 1.50 / S.F.
Reproducibles (Mylars)	\$ 15 / page (\$2.20/sf)

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: Fox Tuttle Hernandez Transportation Group, LLC

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal	Project QA/QC, Technical advisor	\$170.00
Principal	Stakeholder involvement, Consensus building	\$160.00
Senior Associate	Project management, bicycle/pedestrian/trails planning and design, graphics, cross-section development	\$140.00
Senior Transportation Engineer	Bicycle and pedestrian engineer, Bicycle and pedestrian facility design, Bicycle and pedestrian transportation analysis	\$140.00
Senior Transportation Planner	Bicycle and pedestrian planning and design, cross-section alternatives development	\$125.00
Transportation Planner	Bicycle and pedestrian planning and design, graphics production	\$85.00

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

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

FIRM NAME: Fox Tuttle Hernandez Transportation Group, 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:

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.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies (8 ½ x 11")	\$ 0.65 / each
Copies (8 ½ x 14")	\$ 0.81 / each
Red-line copies	\$ 3.00 / S.F.
Reproducibles	\$ 0.65 / page

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: Goodbee & Associates, Inc.

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Owner	Direct all aspects of firm operations	\$195
Principal	Assures technical, staff, and scheduling requirements	\$180
Project Manager III	Leads and reviews technical work	\$145
Project Manager II	Leads and reviews technical work	\$130
Project Manager I	Leads and reviews technical work	\$115
Designer	Completes technical work under direction of a PM	\$106
Administrator	Bookkeeping and HR	\$103
CAD II	Completes technical work under direction of a PM	\$88
CAD I	Completes technical work under direction of a PM	\$78

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rates: 3.1

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

FIRM NAME: Goodbee & 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:

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.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies (8 ½ x 11")	\$ 0.08 / each
Copies (8 ½ x 14")	\$ 0.15 / each
Red-line copies	\$ 4.00 / S.F.
Reproducibles	\$ 10.00 / page

Please note: Goodbee & Associates, Inc. includes in-house printing as part of general overhead costs and does not charge copies printed at Goodbee's office to the project. Larger print jobs (large plan sets or oversized plots) may be printed by a third-party (i.e. Kinkos) and the estimate of those costs are noted above.

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: Group14 Engineering, Inc.

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal / Sustainability Team Leader	Sustainability Consulting, Project Management	\$135
Sustainability Design Consultant	Sustainability Consulting	\$125

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

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

FIRM NAME: Group14 Engineering, Inc. – No reimbursable expenses anticipated

(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.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies (8 ½ x 11")	\$ / each
Copies (8 ½ x 14")	\$ / each
Red-line copies	\$ / S.F.
Reproducibles	\$ / page

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: Pinyon Environmental, Inc.

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Expert Witness	Expert Witness Preparation and Deposition	\$311.29
Principal Engineer/Scientist	QA/QC by Principal or Senior Technical Reviewer, Meetings with Regulatory and Oversight Agencies	\$221.53
Senior Engineer/Scientist	Remediation, Engineering Design, Investigation Design, Development of Work Plans, Database Design, Training, Industrial Hygiene	\$186.55
Project Manager	Project Management, Coordinates Multi-Disciplinary Teams, Response to Agency Questions, Project Meetings with Clients/Regulators	\$165.83
Project Specialist	Reports to Regulatory and Oversight Agencies, Preparation of Permits, GIS Library Development and Data Analysis, Technical Review of Documents, Technical Editing	\$120.56
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	\$113.06
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	\$96.88
Staff I Technician	Groundwater Sampling, Sampling During UST Removals, Surveyor's Assistant	\$96.86
Project Assistant	Maintain Field Equipment, Data Management, Accounting	\$94.86
Drafting (Graphics)	AutoCad or Microstation Drafting	\$86.39
Clerical	Word Processing, Clerical	\$36.95

Multiplier, which when multiplied by the direct labor rates yields the above hourly rates: 2.898

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

FIRM NAME: 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.

Item	Actual Costs	Charge Rate
Copies (Color 8 1/2 x 11")		\$0.12/ each
Copies (BL&WH 8 1/2 x 11")		\$0.10/ each
Copies (Color 11 x 17")		\$0.75/ each
Copies (BL&WH 11 x 17")		\$0.25/ each
Red-line copies		\$ _____ / S.F.
Reproducibles		\$ _____ / page

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: PK Electrical, Inc.

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal / Engineer of Record	Oversees entire project, manages client. Provides QA / QC reviews.	200.00
Senior Project Engineer	Engineer in charge of design, staff and attends client mtgs	170.00
Senior Project Manager	Assist Project Engineer, manages staff, resources, schedule	150.00
Electrical Designer	Designs lighting and power systems, edits specs	130.00
Drafter	Microstation, BIM, CAD drafting and production	90.00
Admin	Filing, document control, spec editing, general tasks	75.00
Telecomm Manager	Designs DATA/Voice, A/V, Security, CCTV, Infrastructure Systems	160.00
Bookkeeper / Admin	Finance Accounts Manager / Bookkeeping	95.00
Electrician / Field Tech / Designer	Assist in Designs, performs field investigations & site surveys	130.00

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rates: 2.9

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

FIRM NAME: 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:

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.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies (8 ½ x 11")	\$.10 / each
Copies (8 ½ x 14")	\$.12 / each
Copies (11 x 17")	\$.15/ each
Red-line copies	\$.50 / S.F.
Reproducibles	\$ 2.25/ page (24"x36")

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: Rocksol Consulting Group, Inc.

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Project Manager	Oversee project; manage Rocksol services	\$121.89
Senior Geotechnical Engineer	Oversee geotechnical services on project	\$135.67
Geological Engineer	Manage and assist with geotechnical services on project	\$96.91
Geotechnical Engineer	Perform geotechnical services on project	\$78.62
Senior Structural Engineer	Oversee structural engineering services on project	\$151.07
Structural Engineer	Perform structural engineering services on project	\$105.03
Assistant Structural Engineer II	Assist with structural engineering services on project	\$83.99
Assistant Structural Engineer I	Assist with structural engineering services on project	\$65.81

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rates: 2.6861

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

FIRM NAME: Rocksol Consulting Group, 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:

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.

Not Applicable

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies (8 ½ x 11")	\$ / each
Copies (8 ½ x 14")	\$ / each
Red-line copies	\$ / S.F.
Reproducibles	\$ / page

SUB-CONSULTANT TEAM MEMBERS

FIRM NAME: Stantec Consulting Services Inc.

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). Provide additional sheets as necessary.

Title/Classification	Responsibilities	Rate/Hr.
Principal	Assignment of resources	\$218
Senior Project Manager	Project management including prep. of pay requests and budget management	\$189
Project Manager II	Project management including prep. of pay requests and budget management	\$175
Project Manager	Project management including prep. of pay requests and budget management	\$165
Senior Project Engineer	Design, Preparation of Engineering and Inspection Reports	\$154
Project Engineer II	Design, Preparation of Engineering and Inspection Reports	\$142
Project Engineer I	Design, Preparation of Engineering and Inspection Reports	\$130
Project Engineer	Design, Preparation of Engineering and Inspection Reports	\$120
Design Engineer	Design, Preparation of Engineering and Inspection Reports	\$110
Junior Engineer	Design, Preparation of Engineering and Inspection Reports	\$101
Senior Designer	Design, Preparation of Engineering and Inspection Reports	\$93
Designer II	Design, Preparation of Engineering and Inspection Reports	\$85
Designer	Design, Preparation of Engineering and Inspection Reports	\$77
Junior Designer	Design, Preparation of Engineering and Inspection Reports	\$71
Senior Professional	Non-engineering, Professional Studies and Reports	\$154
Professional II	Non-engineering, Professional Studies and Reports	\$130
Professional I	Non-engineering, Professional Studies and Reports	\$110
Professional	Non-engineering, Professional Studies and Reports	\$93
Senior CADD Technician CADD	CADD, Preparation of Drawings, Maps and photographs	\$93
Technician II	CADD, Preparation of Drawings, Maps and photographs	\$85
CADD Technician I	CADD, Preparation of Drawings, Maps and photographs	\$77
CADD Technician	CADD, Preparation of Drawings, Maps and photographs	\$63

Junior CADD Technician	CADD, Preparation of Drawings, Maps and photographs	\$50
GIS Technician	GIS Services	\$85
Construction Engineer	Construction oversight	\$130
Resident Engineer	Construction oversight	\$110
Construction Inspector II	On site construction inspection	\$101
Construction Inspector I	On site construction inspection	\$85
Construction Inspector	On site construction inspection	\$71
Junior Construction Inspector	On site construction inspection	\$57
Senior Technical Editor	Document preparation	\$154
Technical Editor	Document preparation	\$110
Senior Administrative Assistant	Administrative	\$93
Administrative Assistant II	Administrative	\$77
Administrative Assistant I	Administrative	\$63
Intern	Administrative	\$50

Multiplier, which when multiplied by the direct labor rate yields the above hourly billing rates: ~2.9

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

FIRM NAME: Stantec Consulting Services 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:

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.

Actual Costs

<u>Item</u>	<u>Charge Rate</u>
Copies (8 ½ x 11")	\$ At-cost / each
Copies (8 ½ x 14")	\$ At-cost / each
Red-line copies	\$ At-cost / S.F.
Reproducibles	\$ At-cost / page

Brighton Boulevard - 44th Street to Race Court
Wilson & Company Manhour and Fee Estimate

Base Fee Estimate Summary by Task

Task 1. Project Management and Coordination	\$ 143,577
Task 2. Meetings	\$ 125,188
Task 3. Civil Engineering Design (Roadway, Loop Road)	\$ 170,004
Task 3.3 Structural Feasibility Study of 49th Ave	\$ 17,357
Task 4. Geotechnical	\$ 42,462
Task 5. Environmental	\$ 94,702
Task 6. Drainage & Water Quality Design	\$ 63,960
Task 7. Signing, Striping, and Traffic Signal Design	\$ 113,130
Task 8. Construction Traffic Control Design	\$ 32,340
Task 9 & 10. Urban/Hardscape Design and Landscaping/Irrigation	\$ 72,670
Task 10. Lighting Design	\$ 56,421
Task 11. Cost Estimating	\$ 24,539
Task 12. Public Outreach and Public Meetings	\$ 50,860
Task 13. Utilities	\$ 59,109
Task 14. Survey/ROW	\$ 36,224
Task 15. Sustainability	\$ 21,341
Task 16. Integrated Contractor (IC) Coordination	\$ 39,015
Task 17. Construction Services	\$ 73,898
Task 18. Operations & Maintenance Plan	\$ 14,980
Task 19. TOD Site/Visit Dropoff Study	\$ 49,990
Total	\$ 1,301,767
ADDITIONAL FEE BREAKOUTS (not included above)	
Task 3.1. Civil Engineering Design - Race Court Bridge	\$ 142,842
Task 3.2. Civil Engineering - Race Court Loop Connection Study	\$ 39,530
Task 3.4. Civil Engineering - Structural Design of 49th Ave	\$ 65,601
Task 15.1. Sustainability - Optional SITES Certification	\$ 44,510

Task 17.1. Construction Services -Brighton Bridge	\$ 34,374
Task 20. 100% Design of Brighton, 44th to 47th (1,420')	\$ 50,007
Total Additional Fees	\$ 376,864

Fee Estimate Summary by Consultant

	Fee	Percentage	MWBE %
Wilson & Company	\$ 611,632	46.98%	
Anderson Mason Dale	\$ 10,080	0.77%	
CIG *	\$ 35,375		2.72%
DIG Studio *	\$ 150,510		11.56%
Fox Tuttle Hernandez	\$ 68,840	5.29%	
Goodbee Associates *	\$ 55,045		4.23%
Group 14 *	\$ 9,180		0.71%
Pinyon *	\$ 81,922		6.29%
PK Electric *	\$ 66,766		5.13%
Rocksol *	\$ 44,962		3.45%
Stantec	\$ 167,455	12.86%	
Total	\$ 1,301,767	65.91%	34.09%

Above fees represent only the base project elements to the left

* MWBE Firm

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION

	WILSON & COMPANY								SUBCONSULTANTS										Total Hours	Total Task Cost			
	1	2	3	4	5	6	7	8	Anderson Mason Dale	GIG	Dig Studio	Fox Tuttle Hernandez	Goodbee	Group 14	Physon	PK Electric	Rocksol	Stantec					
	\$ 225	\$ 205	\$ 172	\$ 135	\$ 124	\$ 98	\$ 74	\$ 96															
Task 1. Project Management and Coordination																							
A. Project Planning and Monitoring																							
1. Project Execution Plan	1	8																			2	16	
2. Project Schedule		8																			2	19	
B. General Project Management																							
1. Weekly project management - 14 hour/week for 40 weeks		560									36										50	646	
2. Invoicing and Status Reports		9																				27	45
Task 1 SUBTOTAL - Project Management and Coordination	1	585	9	9				27			50										54	726	
	\$ 225	\$ 119,925	\$ -	\$ 1,215	\$ -	\$ -	\$ -	\$ 2,592			\$ 5,550										\$ 11,070	\$ 140,577	
Task 2. Meetings																							
1. Project Kickoff Meeting - (PM and Disc. Leads) - 1 meeting	8	4	12	8							6	4									2	44	
2. Standing Coordination Meetings (Devos, staff as needed) - 18 assumed bi-weekly meetings (4 2-hr in person, 4 1-hr conf call)	18	36	54	36	18						40	18									36	256	
3. Quarterly NDCC Town Hall Meetings		12									16	4									2	34	
4. National Western Center Citizen's Advisory Committee (2 Meetings)		8									12	4									2	26	
5. National Western Center Executive Oversight Committee (1 Meeting)		4									6	4									2	16	
6. Public Meetings (2 Meetings, one following conceptual design, one following FIR design)	8	40	18	18		40						8										132	
7. Project Management Team (6 Meetings)	8	18									18										15	59	
8. 60% Plan Review Meeting	8	4	12	8	4						3	4									2	45	
9. Final Plan Review Meeting	8	4	12	8							3	4										39	
10. Meeting minutes - 24 meetings		24		24							8										8	64	
11.0 Coordination with CDOT and Peer Review	8	12	12	12																		44	
Task 2 SUBTOTAL - Meetings	66	166	120	114	22	40					112	50									69	759	
	\$ 14,850	\$ 34,030	\$ 20,640	\$ 15,390	\$ 2,728	\$ 3,920	\$ -	\$ -	\$ -	\$ -	\$ 13,020	\$ 7,080									\$ 13,530	\$ 125,188	
Task 3. Civil Engineering Design (Roadway, Loop Road)																							
A. Final Design 47th Avenue to Race Court Bridge				230	250	360						27										867	
B. Final design of 49th Avenue between Brighton Boulevard and High Street				40	80	75																195	
C. Final design of a bicycle connection between Brighton/44th Street and Brighton/47th Avenue												18										18	
D. 60% Design Submittal				24	40	40																104	
E. Final Design Submittal				24	40	40																104	
F. Construction Documents Submittal (Plans and Specifications)				8	16	16																40	
G. Quality Review of Submittals				8	16	16						13										40	93
Task 3 SUBTOTAL - Civil Engineering Design (Roadway, Bridge, Loop Road)				334	442	547						58									40	1421	
	\$ -	\$ -	\$ -	\$ 45,090	\$ 54,808	\$ 53,606	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,300									\$ 8,200	\$ 170,004	
Task 3.3. Civil Engineering - Structural Design of 49th Ave - Feasibility Study																							
1. Additional Meetings (Kickoff & 3 Coordination Mts, 2-2hr in person, 2 1-hr conf. call)		12																				12	
2. Conceptual Design (Structure Selection Report)																							
a. Conceptual Design & Quantities		10			20																	30	
b. Resolve sidewalk subsidence issue		4			4																	8	
c. Drafting - General Layout & Typical Section					8			40														48	
d. Prepare Report					16																	16	
e. QC		3																				3	
Task 3.3 SUBTOTAL - Civil Engineering Design -Structural Design of 49th Ave		29			48			40														117	
	\$ -	\$ 5,945	\$ -	\$ -	\$ 5,952	\$ -	\$ 2,960	\$ -	\$ -	\$ -	\$ -	\$ -									\$ 2,500	\$ 17,357	
Task 4. Geotechnical																							
A. Field Data Collection (Permits, Utility Clearance, Drilling/Sampling)																					100	100	
B. Analysis (Lab Assignment and Testing - RockSol)																					130	130	
C. Soils Investigation/Pavement Design Report (60% and Final) (Geotechnical Evaluation and Report Preparation)																					96	96	
D. Specifications																					16	16	
E. Meetings																					28	28	
Task 4 SUBTOTAL - Geotechnical																					370	370	
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -									\$ 33,400	\$ 33,400	
Task 5. Environmental																							
A. Management and Meetings		12	60																			72	
B. CDOT Categorical Exclusion (Devolution of Brighton Blvd North of 47th Ave)																							
1. Categorical Exclusion Report (CDOT Form 128)																							
2. Hazardous Materials (Phase 1)																							
3. Historical Resources																							
4. Noise																							
5. Air Quality																							
6. Biological Resources																							
7. Archeology																							
8. Paleontology																							
9. Section 4(f) and 6(f)																							
C. Environmental Clearances (100% Design)																							
1. Phase I Environmental Site Assessments (assumed 2 total)																							
2. Phase II Environmental Site Assessment																					150	150	
3. Materials Management Plan																					49	49	
4. Methane Odors and Dust Control Plan																					49	49	
C. Environmental Permits (100% Design)																							
Task 5 Subtotal - Environmental		12	60																		248	320	
Labor Cost	\$ -	\$ 2,460	\$ 10,320	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,072	\$ 52,852	
Expenses	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 41,850	\$ 41,850	
Environmental Study Total																						\$ 94,702	

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION

TASK DESCRIPTION	WILSON & COMPANY								SUBCONSULTANTS										Total Hours	Total Task Cost	
	1	2	3	4	5	6	7	8	Anderson Mason Dale	GIG	Dig Studio	Fox Tuttle Hernandez	Goodbee	Group 14	Phylon	PK Electric	Rocksof	Stantec			
	Principal	Project Manager	Senior Design Engineer	Design Engineer	Junior Engineer	Senior CADD Tech	CADD Tech	Admin													
	\$ 225	\$ 205	\$ 172	\$ 135	\$ 124	\$ 98	\$ 74	\$ 96													
Task 6. Drainage & Water Quality Design																					
A. Hydrology				14	50													15			81
B. Hydraulics				16	50													5			73
C. Stormwater Management Plan				16	16													5			37
D. Hydrology and Hydraulics Report (60% and Final)				24	32													8			72
E. Water Quality Report (60% and Final)				24														8			40
F. Design Plans (60% and Final)				16	48	40												8			120
F. Cost Estimating				8		30												8			46
Task 6 SUBTOTAL - Drainage & Water Quality Design				94	220	70												57			469
	\$ 6,300	\$ -	\$ -	\$ 12,690	\$ 27,280	\$ 6,860	\$ -	\$ -										\$ 10,830			\$ 63,960
Task 7. Signing, Striping, and Traffic Signal Design																					
A. Signing Plans																		61			61
B. Striping Plans																		53			53
C. Bikeway Signing and Striping Details																		33			293
D. Traffic Signal Design (4 Intersections)												260						4			146
E. Bicycle Facility Signal details																		18			67
F. Plans and Quantities (60% and Final)																		14			248
Task 7 SUBTOTAL - Signing, Striping, and Traffic Signal Design												296						572			868
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ 42,160						\$ 70,970			\$ 113,130
Task 8. Construction Traffic Control Design																					
A. Temporary Traffic Control Design				8														84			92
B. Traffic Control Plans and Quantities																		72			72
C. Construction Phasing Plans				8														90			98
Task 8 SUBTOTAL - Construction Traffic Control Design				16														246			262
	\$ -	\$ -	\$ -	\$ 2,160	\$ -	\$ -	\$ -	\$ -										\$ 30,180			\$ 32,340
Task 9 & 10. Urban/Hardscape Design and Landscaping/Irrigation																					
A. Streetscape Design (Paving, walls, furnishings, plantings, porous landscape detention areas, bike lane & lighting coordination)	8			26	40																74
1. Schematic Design Plans (one - 40% Submittal)												124									124
2. Design Development Plans (one - 60% Submittal)												116									116
3. Final Design Drawings & Specifications (one - 90% Submittal)												116									116
4. Final For Construction Drawings (one - 100% Submittal) (plans & details) and Specifications												164									164
B. Irrigation Plans and Specifications (60%, 90% and 100% for Construction Drawings & Specifications)												76									76
Task 9 SUBTOTAL - Urban/Hardscape Design	8			26	40							596									670
	\$ 1,800	\$ -	\$ -	\$ 3,510	\$ 4,960	\$ -	\$ -	\$ -				\$ 60,900									\$ 71,170
Task 10. Lighting Design																					
A. Lighting Analysis & Photometric Calculations																		120			120
B. Lighting Plans, Specifications, Electrical Plans (60% and Final)																		170			170
C. Coordinate electrical services with XCEL																		62			62
D. Cost Estimating																		29			29
E. Meetings																		28			28
Task 10 SUBTOTAL - Lighting Design																		409			409
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -										\$ 56,421			\$ 56,421
Task 11. Cost Estimating																					
A. Progressive Cost Estimating		4	16	20	30							8									88
B. Engineers Estimate - Final		4	16	28	30							6									89
Task 11 SUBTOTAL - Cost Estimating		8	32	48	60							14									177
	\$ -	\$ 1,640	\$ 5,504	\$ 6,480	\$ -	\$ 5,880	\$ -	\$ -				\$ 1,960									\$ 24,539
Task 12. Public Outreach and Public Meetings																					
A. Messaging and Project Materials (no additional materials provided beyond what is already prepared in Tasks 9 & 19)												40	22	10						2	74
B. Public Meeting Attendance (2 Meetings)												60	8	11							79
C. Specialized Meetings												40		18						5	63
D. Digital Communications/Content Updating												35									35
E. NDCC/NWCO Coordination																				10	16
F. Issues Management																				10	10
G. Bilingual Fact Sheets												16									16
H. Topic-Specific Handouts (2)												32									32
I. Public Meeting Tracking/Reporting												48									48
Task 12 SUBTOTAL - Public Outreach and Public Meetings												271	30	45						27	373
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				\$ 35,375	\$ 3,130.00	\$ 6,820						\$ 5,535	\$ 50,860
Task 13. Utilities																					
A. Perform an existing utility/ final design conflict analysis; re-evaluate after potholing						8															48
B. Coordinate with utility owners																					96
C. Prepare utility specifications																					22
D. Prepare utility plans - final plans for CCD submittal; 60% interim plans for utility coordination																					172
E. Develop supplemental pothole plan to pothole (up to 40 locations)																					30
G. Compile pothole data and update utility CAD file																					14
H. Potholing Summary Report																					8
I. Interdisciplinary Coordination (roadway, survey, drainage, landscape, streetscape)																					20
J. Meetings																					38
Task 13 SUBTOTAL - Utilities						8						424								16	448
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 784	\$ -	\$ -				\$ 49,045								\$ 3,280	\$ 53,109

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION

	WILSON & COMPANY								SUBCONSULTANTS										Total Hours	Total Task Cost			
	1	2	3	4	5	6	7	8	Anderson Mason Dale	GIG	Dig Studio	Fox Tuttle Hernandez	Goodbee	Group 14	Phycon	PK Electric	Rocksof	Stantec					
Task 14. Survey/ROW																							
A. Right of Entry permits						4	8																12
B. Survey Kick-off Meeting with City																							8
C. Traffic Control			8																				10
D. Topographic Survey and Base Map Preparation						50	30																84
E. Coordinate Utilities						6	4																10
F. Land Survey Plat						48	20																72
G. Final ROW Plans						116	14																135
H. Supplemental Survey			12			14	10																36
Task 14 SUBTOTAL - Survey/ROW			33			243	91																367
	\$ -	\$ -	\$ 5,676	\$ -	\$ -	\$ 23,814	\$ 6,734	\$ -															\$ 36,224
Task 15. Sustainability																							
A. Oversee Integration of National Western Master Plan Sustainability Goals	2		6	6							20				32								66
B. Coordinate with Design Team on Working Sustainably			6	6							8				12		9						41
C. Report/White Paper on Final Sustainability Integration in Project	2		6	8							8				8								32
D. Meetings															16								16
Task 15 SUBTOTAL - Sustainability	4		18	20							36				68		9						155
	\$ 900	\$ -	\$ 3,096	\$ 2,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,060	\$ -	\$ -	\$ 9,180	\$ 1,405	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 21,341
Task 16. Integrated Contractor (IC) Coordination																							
A. Final Construction Cost Estimate reviews	8	8	8	8							10												42
B. Constructability Reviews		8	8	8							10										5		39
C. Value Engineering exercises	8	8	8	8							26												58
D. 60% and Final Construction Plan reviews	8	12	8	8							4												40
E. Attend IC Team Meetings (8)	8	16	8	8							8										8		56
Task 16 Integrated Contractor (IC) Coordination	32	52	40	40							58										13		235
	\$ 7,200	\$ 10,660	\$ 6,880	\$ 5,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,210	\$ -	\$ -	\$ -	\$ 2,665	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 39,015
Task 17. Construction Services																							
A. Review Submittals	4			40		40					45										28		157
B. Respond to RFIs	4			40		40					45	4									6		139
C. Conduct periodic site inspections			16	16	16						58	6											112
D. Attend project meetings when requested		8	8	16							32	4											68
E. Participate in Substantial Completion walk-through		8	8	8							18	4											46
F. Prepare as-built plans based upon redlines by the Contractor and CCD		4	4	8	16	16															16		64
G. Survey of City Storm and Sanitary Facilities																							
	<i>N/A - Field Books no longer used, all data is recorded in the computer</i>																						
Task 17 Subtotal - Construction Services	8	20	36	128	32	96					198	18									50		586
	\$ 1,800	\$ 4,100	\$ 6,192	\$ 17,280	\$ 3,968	\$ 9,408	\$ -	\$ -	\$ -	\$ -	\$ 20,510	\$ 2,520	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,620	\$ -	\$ 72,398
Labor Cost Expenses				\$ 1,500																			\$ 1,500
																							\$ 73,898
Task 18. Operations & Maintenance Plan																							
A. Operation and Maintenance Plan											56					58							114
Task 18 SUBTOTAL - Operations & Maintenance Plan											56					58							114
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,040	\$ -	\$ -	\$ -	\$ 8,940	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,980
Task 19. TOD Site/Visit Dropoff Study																							
A. Summarize development constraints for the site											20												20
B. Lead charrette with NWCO staff and NWC Partners	4	8									42												58
C. Integrate tour and school bus drop off on the west side of Brighton Blvd											48												48
D. Conceptual Site Studies (3 ea with site plan and 2D sketches)	16	12									76												120
E. Final Conceptual Plan with 2D and 3D sketches/renderings	4	4									44												128
Task 19 SUBTOTAL - TOD Site/Visit Dropoff Study	24	24									64												374
	\$ 5,400	\$ 4,920	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,080	\$ 29,590	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49,990
Total Hours/Project Cost	171	896	339	829	804	1064	131	27	64	271	1398	481	424	68	248	476	370	1159	9220				
Labor Rate/hr	\$ 225	\$ 205	\$ 172	\$ 135	\$ 124	\$ 98	\$ 74	\$ 96															
Labor Cost	\$ 38,475	\$ 183,680	\$ 58,308	\$ 111,915	\$ 99,696	\$ 104,272	\$ 9,694	\$ 2,592	\$ 10,080	\$ 35,375	\$ 149,010	\$ 68,840	\$ 49,045	\$ 9,180	\$ 40,072	\$ 66,766	\$ 35,900	\$ 165,955	\$ 1,238,855	\$ 1,238,855			
Expenses*		\$ 1,500	\$ 1,500								\$ 1,500	\$ 6,000	\$ 41,850	\$ 9,063	\$ 1,500								\$ 62,913
Total Base Project Cost									\$ 10,080	\$ 35,375	\$ 150,510	\$ 68,840	\$ 55,045	\$ 9,180	\$ 81,922	\$ 66,766	\$ 44,962	\$ 167,455	\$ 1,301,767	\$ 1,301,767			
										2.72%	11.56%	4.23%	0.71%	6.29%	5.13%	3.45%						\$ 443,760	34.09%

* See breakout pages for expense details

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated workhours shown. Assumes 9 month active project duration.

WILSON & COMPANY								SUBCONSULTANTS								Total Hours	Total Task Cost
1	2	3	4	5	6	7	8										
Principal	Project Manager	Senior Design Engineer	Design Engineer	Junior Engineer	Senior CADD Tech	CADD Tech	Admin	Anderson Mason Dale	GIG	Dig Studio	Fox Tuttle Hernandez	Goodbee	Group 14	Phylon	PK Electric	Rocksol	Stantec
\$ 225	\$ 205	\$ 172	\$ 135	\$ 124	\$ 98	\$ 74	\$ 96										

TASK DESCRIPTION

ADDITIONAL FEE BREAKOUTS

Task 3_1. Civil Engineering Design - Race Court Bridge																						
A. 60% Design Submittal		60		125																		335
B. Final design for the replacement of the Brighton Boulevard bridge over Race Court		80	80	225																		635
C. Cost Estimates		8	16	16																		40
D. Meetings		36																				36
Task 3_1 SUBTOTAL - Civil Engineering Design (Roadway, Bridge, Loop Road)		184	96	366		400																1046
	\$ -	\$ 37,720	\$ 16,512	\$ 49,410	\$ -	\$ 39,200	\$ -	\$ -														\$ 142,842

Task 3_2. Civil Engineering - Race Court Loop Connection Study																						
A. Conceptual design to lower Race Court and provide a new Loop Road connection to Brighton Boulevard																						
1. Survey						36	5															41
2. Roadway		16	32	60	60	70																238
3. Drainage		8		8		16																32
Task 3_1 SUBTOTAL - Civil Engineering Design -Race Court Loop Connection Study		8	16	32	68	60	122	5														311
	\$ 1,800	\$ 3,280	\$ 5,504	\$ 9,180	\$ 7,440	\$ 11,956	\$ 370	\$ -														\$ 39,530

Task 3_4. Civil Engineering - Structural Design of 49th Ave																						
1. Additional Meetings (Kickoff & 3 Coordination Mtgs, 2-2hr in person, 2 1-hr conf. call)		12																				12
2. Feasibility Study - included in basic services																						
3. 60% Design Submittal (with Cost Estimate)																						
a. Structural Design		8			40																	48
b. Plan Preparation		8			12		80															100
c. Cost Estimate					6																	6
d. QC		6																				6
4. Final Submittal (with Specifications & Cost Estimate)																						
a. Final Structural Calculation Package		7			60																	67
b. Independent Check of Calculations			36																			36
c. Plan Preparation		8			16		96															120
d. Specifications					4																	4
e. Cost Estimate					4																	4
f. QC		10																				10
5. Geotechnical, RockSol - (consultation only, no new borings)																						
6. Bid Package																						
a. Address final comments		8			8																	16
b. Update Plans					2		16															18
c. Construction Field Pack					4																	4
d. Load Rating		2			8																	10
7. Design Support During Construction																						
a. Review RFI's and contractor submittals		20			20																	40
b. Field Visits (2 included)		8																				8
Task 3_4 SUBTOTAL - Civil Engineering Design -Structural Design of 49th Ave		97	36		184		192															509
	\$ -	\$ 19,885	\$ 6,192	\$ -	\$ 22,816	\$ -	\$ 14,208	\$ -								\$ 2,500						\$ 65,601

Task 15_1. Sustainability - Optional SITES Certification																						
A. SITES Consulting and Admin		2									88			196								286
Task 15_1 SUBTOTAL - Sustainability Optional SITES Certification		2									88			196								286
											\$ 8,600			\$ 26,460								\$ 35,510
														\$ 9,000								\$ 9,000
																						SITES Certification Total \$ 44,510

Task 17_1. Construction Services -Brighton Bridge																						
A. Review Submittals (Limit: 4 submittals)		36		36																		72
B. Respond to RFI's (Limit: 10 RFI's)		36		36																		72
C. Conduct periodic site inspections & Field Reports (Limit: 10 (2 hr.) site inspections)		12		12																		24
D. Attend project meetings when requested (up to 10 (2 hr.) meetings)		10		8																		18
E. Participate in Substantial Completion walk-through (one walk through)		4																				4
F. Prepare as-built plans based upon redlines by the Contractor and CCD (by Contractor, Dig Studio will not provide)				8		8																16
Task 17_1 Subtotal - Construction Services Brighton Bridge		98		100		8																206
	\$ -	\$ 20,090	\$ -	\$ 13,500	\$ -	\$ 784	\$ -	\$ -														\$ 34,374

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION

TASK DESCRIPTION	WILSON & COMPANY								SUBCONSULTANTS								Total Hours	Total Task Cost			
	1	2	3	4	5	6	7	8													
	Principal	Project Manager	Senior Design Engineer	Design Engineer	Junior Engineer	Senior CADD Tech	CADD Tech	Admin	Anderson Mason Dale	GIG	Dig Studio	Fox Tuttle Hernandez	Goodbee	Group 14	Phycon	PK Electric	Rocksof	Stantec			
	\$ 225	\$ 205	\$ 172	\$ 135	\$ 124	\$ 98	\$ 74	\$ 96													
Task 20. 100% Design of Brighton, 44th to 47th (if needed)																					
A. Design Survey (deleted - survey by CDOT)																					
B. Roadway Design (design from 47th to north end of 46th intersection)		6		20		45												5		76	
C. Urban Design (as required for CCD betterments)											54									54	
D. Drainage Design (water quality design and details only)	2	6		32	42						5									87	
E. Traffic Design (Signing, Striping, Signal, MOT, Phasing)(from 47th to north end of 46th intersection)																				30	
F. Landscape, Irrigation and Lighting Design (as required for CCD betterments)											68					56				124	
G. Utilities (from 47th to north end of 46th)													32							32	
H. Geotechnical (deleted -pavement design by CDOT)																					
Task 20 SUBTOTAL - 100% Design of Brighton, 44th to 47th (if needed)	2	12		52	42	45					127		32			56		35		403	
Labor Cost	\$ 450	\$ 2,460	\$ -	\$ 7,020	\$ 5,208	\$ 4,410	\$ -	\$ -			\$ 12,635		\$ 3,840		\$ 7,389	\$ -	\$ 4,595			\$ 48,007	
Expenses													\$ 2,000								\$ 2,000
44th to 47th Total																					\$ 50,007

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated Work Hours

AMD		Total Hours	Total Task Cost
2	17		
Principal 2	Architect 2		
\$ 225	\$ 117		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION					
Task 1. Project Management and Coordination					
A. Project Planning and Monitoring					
1. Project Execution Plan					
2. Project Schedule					
B. General Project Management					
1. Weekly project management - XX hour/week PM; 2 hour/month Admin					
2. Invoicing and Status Reports					
Task 1 SUBTOTAL - Project Management and Coordination					\$ -
Task 2. Meetings					
1. Project Kickoff Meeting - (PM and Disc. Leads) - 1 meeting					
2. Standing Coordination Meetings (Devos, staff as needed) - XX assumed bi-weekly meetings (XX 2-hr in person, XX 1-hr conf call)					
3. Quarterly NDCC Town Hall Meeting					
4. National Western Center Citizen's Advisory Committee (2 Meetings)					
5. National Western Center Executive Oversight Committee (1 Meeting)					
6. Public Meetings (2 Meetings, one following conceptual design, one following FIR design)					
7. Project Management Team (6 Meetings)					
8. 60% Plan Review Meeting					
9. Final Plan Review Meeting					
10. Meeting minutes - XX meetings					
Task 2 SUBTOTAL - Meetings					\$ -
Task 19. TOD Site/Visit Dropoff Study					
A. summarize development constraints for the site					
B. Lead charrette with NWC staff and NWC Partners				4	4
C. Integrate tour and school bus drop off on the west side of Brighton Blvd					
D. Conceptual Site Studies (3 ea with site plan and 2D sketches)				16	16
E. Final Conceptual Plan with 2D and 3D sketches/renderings				4	44
Task 19 SUBTOTAL - TOD Site/Visit Dropoff Study				24	64
					\$ 10,080.00

Total Hours/Project Cost	24	40	64	\$ -
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Labor Rate/hr \$ 225 \$ 117

Labor Cost \$ 5,400 \$ 4,680 **\$ 10,080**

Expenses

Mileage
Potholing

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated Work Hours

CIG		Total Hours	Total Task Cost
25	26		
Public Outreach 1	Public Outreach 2		
\$ 150	\$ 125		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION			
Task 1. Project Management and Coordination			
A. Project Planning and Monitoring			
1. Project Execution Plan			
2. Project Schedule			
B. General Project Management			
1. Weekly project management - XX hour/week PM; 2 hour/month Admin			
2. Invoicing and Status Reports			
Task 1 SUBTOTAL - Project Management and Coordination			\$ -
Task 2. Meetings			
1. Project Kickoff Meeting - (PM and Disc. Leads) - 1 meeting			
2. Standing Coordination Meetings (Devos, staff as needed) - XX assumed bi-weekly meetings (XX 2-hr in person, XX 1-hr conf call)			
3. Quarterly NDCC Town Hall Meetings			
4. National Western Center Citizen's Advisory Committee (2 Meetings)			
5. National Western Center Executive Oversight Committee (1 Meeting)			
6. Public Meetings (2 Meetings, one following conceptual design, one following FIR design)			
7. Project Management Team (6 Meetings)			
8. 60% Plan Review Meeting			
9. Final Plan Review Meeting			
10. Meeting minutes - XX meetings			
Task 2 SUBTOTAL - Meetings			\$ -
Task 12. Public Outreach and Public Meetings			
A. Messaging and Project Materials	10	30	40
B. Public Meetings (2 Meetings)	20	40	60
C. Specialized Meetings (up to 6)	10	30	40
D. Digital Communications/Content Updating		35	35
E. NDCC/NWCO Coordination			
F. Issues Management (up to 20 hours)			
G. Bilingual Fact Sheets		16	16
H. Topic-Specific Handouts (2)	8	24	32
I. Public Meeting Tracking/Reporting	12	36	48
Task 12 SUBTOTAL - Public Outreach and Public Meetings	60	211	271

Revised per City to \$35k

Total Hours/Project Cost	60	211	271	\$ 35,375.00
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Labor Rate/hr	\$ 150	\$ 125
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Labor Cost	\$ 9,000	\$ 26,375	\$ 35,375.00
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Expenses

Mileage
Potholing

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated Work Hours

DIG						Total Hours	Total Task Cost
12	13	14	15	16	17		
Principal Planner 1	Principal Land.Arch. 1	Land.Arch./Planner 2	Landscape Designer 3	Irrigation Principal	Irrigation Designer		
\$ 175	\$ 135	\$ 110	\$ 90	\$ 100	\$ 85		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION															
Task 18. Operations & Maintenance Plan															
A. Operation and Maintenance Plan								8	32	16			56		
Task 18 SUBTOTAL - Operations & Maintenance Plan								8	32	16			56	\$ 6,040.00	
Task 19. TOD Site/Visit Dropoff Study															
A. Summarize development constraints for the site								4		8	8			20	
B. Lead charrette with NWCO staff and NWC Partners								6	8	12	16			42	
C. Integrate tour and school bus drop off on the west side of Brighton Blvd								4	4	16	24			48	
D. Conceptual Site Studies (3 ea with site plan and 2D sketches)								12	16	24	24			76	
E. Final Conceptual Plan with 2D and 3D sketches/renderings								8	4	24	40			76	
Task 19 SUBTOTAL - TOD Site/Visit Dropoff Study								34	32	84	112			262	\$ 29,590.00
Task 20. 100% Design of Brighton, 44th to 47th (if needed)															
A. Roadway Design															
B. Urban Design <i>reduced hours by 50% - design of only denver desired betterments</i>									4	20	30			54	
C. Drainage Design <i>reduced hours by 50% - design of only denver desired betterments</i>									1	2	2			5	
D. Traffic Design (Signing, Striping, Signal, MOT, Phasing) <i>reduced hours by 50% - design of only denver desired betterments</i>															
E. Landscape, Irrigation and Lighting Design <i>reduced hours by 50% - design of only denver desired betterments</i>									4	20	30	2	12	68	
Task 20 SUBTOTAL - 100% Design of Brighton, 44th to 47th (if needed)								9	42	62	2	12	127	\$ 12,635.00	
Total Hours/Project Cost								34	189	666	506	22	108	1525	\$ 161,645.00
Labor Rate/hr								\$ 175	\$ 135	\$ 110	\$ 90	\$ 100	\$ 85		
Labor Cost								\$ 5,950	\$ 25,515	\$ 73,260	\$ 45,540	\$ 2,200	\$ 9,180	\$ 161,645	
Expenses														\$ 1,500	
Mileage Potholing															
Total														\$ 163,145	
Task 15. Sustainability OPTIONAL SITES Submittals															
A. Landscape and Irrigation SITES Submittals									4	24	40	8	12	88	\$ 8,600.00

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated Work Hours

Fox Tuttle Hernandez			Total Hours	Total Task Cost
1	2	3		
Principal 1	Principal 2	Project Engineer 1		
\$ 170	\$ 160	\$ 140		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION					
Task 1. Project Management and Coordination					
A. Project Planning and Monitoring					
1. Project Execution Plan					
2. Project Schedule					
B. General Project Management					
1. Weekly project management - XX hour/week PM; 2 hour/month Admin					
2. Invoicing and Status Reports					
Task 1 SUBTOTAL - Project Management and Coordination					\$ -
Task 2. Meetings					
1. Project Kickoff Meeting - (PM and Disc. Leads) - 1 meeting			4	4	
2. Standing Coordination Meetings (Devos, staff as needed) - XX assumed bi-weekly meetings (XX 2-hr in person, XX 1-hr conf call)			18	18	
3. Quarterly NDCC Town Hall Meetings			4	4	
4. National Western Center Citizen's Advisory Committee (2 Meetings)			4	4	
5. National Western Center Executive Oversight Committee (1 Meeting)			4	4	
6. Public Meetings (2 Meetings, one following conceptual design, one following FIR design)		4	4	8	
7. Project Management Team (6 Meetings)			4	4	
8. 60% Plan Review Meeting			4	4	
9. Final Plan Review Meeting			4	4	
10. Meeting minutes - XX meetings					
Task 2 SUBTOTAL - Meetings		4	46	50	\$ 7,080.00
Task 3. Civil Engineering Design (Roadway, Bridge, Loop Road)					
A. Final Design 47th Avenue to Race Court Bridge	3		24	27	
B. Final design of 49th Avenue between Brighton Boulevard and High Street					
C. Final design of a bicycle connection between Brighton/44th Street and Brighton/47th Avenue	2		16	18	
D. 60% Design Submittal					
E. Final Design Submittal					
F. Construction Documents Submittal (Plans and Specifications)	1		12	13	
Task 3 SUBTOTAL - Civil Engineering Design (Roadway, Bridge, Loop Road)	6		52	58	\$ 8,300.00
Task 7. Signing, Striping, and Traffic Signal Design					
A. Signing Plans					
B. Striping Plans					
C. Bikeway Signing and Striping Details	20		240	260	
D. Traffic Signal Design (3 Intersections)			4	4	
E. Bicycle Facility Signal details	2		16	18	
F. Plans and Quantities (60% and Final)	2		12	14	
Task 7 SUBTOTAL - Signing, Striping, and Traffic Signal Design	24		272	296	\$ 42,160.00
Task 11. Cost Estimating					
A. Engineers Estimate - 60% Design			8	8	
B. Engineers Estimate - Final			6	6	
Task 11 SUBTOTAL - Cost Estimating			14	14	\$ 1,960.00
Task 12. Public Outreach and Public Meetings					
A. Messaging and Project Materials		6	4	10	
B. Public Meetings (2 Meetings)		6	5	11	
C. Specialized Meetings		10	8	18	
D. Digital Communications/Content Updating					
E. NDCC/NWCO Coordination		4	2	6	
F. Issues Management					
G. Bilingual Fact Sheets					
H. Topic-Specific Handouts (2)					
I. Public Meeting Tracking/Reporting					
Task 12 SUBTOTAL - Public Outreach and Public Meetings		26	19	45	\$ 6,820.00
Task 16. Integrated Contractor (IC) Coordination					
A. Final Construction Cost Estimate reviews					
B. Constructability Reviews					
C. Value Engineering exercises					
D. 60% and Final Construction Plan reviews					
E. Attend IC Team Meetings (8)					
Task 16 Integrated Contractor (IC) Coordination					\$ -
Task 17. Construction Services					
A. Review Submittals					
B. Respond to RFT's			4	4	
C. Conduct periodic site inspections			6	6	
D. Attend project meetings when requested			4	4	
E. Participate in Substantial Completion walk-through			4	4	
F. Prepare as-built plans based upon redlines by the Contractor and CCD					
G. Survey of City Storm and Sanitary Facilities					
Task 17 Subtotal - Construction Services			18	18	\$ 2,520.00
Total Hours/Project Cost	30	30	421	481	\$ 68,840.00

Labor Rate/hr	\$ 170	\$ 160	\$ 140	
Labor Cost	\$ 5,100	\$ 4,800	\$ 58,940	\$ 68,840.00
Expenses				

Mileage
Potholing

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated Work Hours

Goodbee				Total Hours	Total Task Cost
1	4	33	38		
Principal 1	Project Manager 2	CADD TECH 2	Admin 1		
\$ 180	\$ 130	\$ 88	\$ 103		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION

Task 1. Project Management and Coordination					
A. Project Planning and Monitoring					
1. Project Execution Plan					
2. Project Schedule					
B. General Project Management					
1. Weekly project management - XX hour/week PM; 2 hour/month Admi					
2. Invoicing and Status Reports		9		9	18
Task 1 SUBTOTAL - Project Management and Coordination		9		9	18

\$ 2,097.00

Task 2. Meetings					
1. Project Kickoff Meeting - (PM and Disc. Leads) - 1 meetin		4			4
2. Standing Coordination Meeting:		8			8
3. Quarterly NDCC Town Hall Meeting:					
4. National Western Center Citizen's Advisory Committee (2 Meetings)					
5. National Western Center Executive Oversight Committee (1 Meeting)					
6. Public Meetings (2 Meetings, one following conceptual design, one following FIR design)					
7. Project Management Team (6 Meetings)					
8. 60% Plan Review Meeting		4			4
9. Final Plan Review Meeting		4			4
10. Meeting minutes - XX meetings					
Task 2 SUBTOTAL - Meetings		20		20	20

\$ 2,600.00

Task 13. Utilities					
A. Perform an existing utility/ final design conflict analysis; re-evaluate after potholing		40			40
B. Coordinate with utility owners		60	20		80
C. Prepare utility specifications	2	20			22
D. Prepare utility plans - final plans for CCD submittal; 60% interim plans for utility coordinatio	4	68	100		172
E. Develop supplemental pothole plan to pothole (up to 40 locations)		20	10		30
G. Compile pothole data and update utility CAD file		2	12		14
H. Potholing Summary Report		4	4		8
I. Interdisciplinary Coordination (roadway, survey, drainage, landscape, streetscape)		20			20
Task 13 SUBTOTAL - Utilities	6	234	146		386

\$ 44,348.00

Task 20. 100% Design of Brighton, 44th to 47th (if needed)					
A. Roadway Design					
B. Urban Design					
C. Drainage Design					
D. Traffic Design (Signing, Striping, Signal, MOT, Phasing					
E. Landscape, Irrigation and Lighting Design					
F. Utilities (from 47th to north end of 46th)	2	20	10		32
Task 20 SUBTOTAL - 100% Design of Brighton, 44th to 47th (if needed)	2	20	10		32

\$ 3,840.00

Total Hours/Project Cost	8	283	156	9	456	\$ -
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Labor Rate/hr	\$ 180	\$ 130	\$ 88	\$ 103
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Labor Cost	\$ 1,440	\$ 36,790	\$ 13,728	\$ 927	\$52,885
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Expenses

Mileage					
Potholing				\$ 8,000	

\$60,885

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated Work Hours

Group 14		
27		
Sustainability (Group 14)	Total Hours	Total Task Cost
\$ 135		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION			
Task 1. Project Management and Coordination			
A. Project Planning and Monitoring			
1. Project Execution Plan			
2. Project Schedule			
B. General Project Management			
1. Weekly project management - XX hour/week PM; 2 hour/month Admin			
2. Invoicing and Status Reports			
Task 1 SUBTOTAL - Project Management and Coordination			
			\$ -
Task 2. Meetings			
1. Project Kickoff Meeting - (PM and Disc. Leads) - 1 meeting	4	4	\$ 540.00
2. Standing Coordination Meetings (Devos, staff as needed) - XX assumed bi-weekly meetings (XX 2-hr in person, XX 1-hr conf call)			
3. Quarterly NDCC Town Hall Meetings			
4. National Western Center Citizen's Advisory Committee (2 Meetings)			
5. National Western Center Executive Oversight Committee (1 Meeting)			
6. Public Meetings (2 Meetings, one following conceptual design, one following FIR design)			
7. Project Management Team (6 Meetings)	12	12	\$ 1,620.00
8. 60% Plan Review Meeting			
9. Final Plan Review Meeting			
10. Meeting minutes - XX meetings			
Task 2 SUBTOTAL - Meetings			
	16	16	\$ 2,160.00
Task 15. Sustainability			
A. Oversee Integration of National Western Master Plan Sustainability Goals			
B. Coordinate with Design Team on Working Sustainably	12	12	\$ 1,620
C. Report/White Paper on Final Sustainability Integration in Project	8	8	\$ 1,080
SITES Consulting and Admin	196	196	\$ 26,460
Task 15 SUBTOTAL - Sustainability			
	248	248	\$ 33,480.00

Total Hours/Project Cost	264	264	\$ 35,640.00
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Labor Rate/hr \$ 135

Labor Cost \$ 35,640 \$ 35,640.00

SITES Registration (\$2,500) and Certification (\$6,500) **Expenses** \$ 9,000 \$ 9,000.00 **\$ 9,000.00**

Mileage
Pothing

Total **\$ 44,640.00**



Fee Worksheet - Reimbursables

Date: 9/1/2016 **Address:** 9100 West Jewell Avenue, Lakewood CO 80
By: Brian Partington **Phone:** 303-980-5200

Reimbursables	Unit	Cost Per Unit	Number	Cost
Field Visit	Each	\$ 40.00	4	\$ 160.00
Soil Boring	Each	\$ 105.00	20	\$ 2,100.00
Well Sampling	Each	\$ 67.00	20	\$ 1,340.00
Total				\$ 3,600.00

* At actual cost

Vendors	Cost
Drilling (Vista GeoScience, estimate)	\$ 15,000.00
Agency Database (GeoSearch)	\$ 1,250.00
Disposal of Investigation Derived Waste (Estimate)	\$ 2,000.00
Traffic Control (Estimate)	\$ 5,000.00
Laboratory Analysis (Origins, Inc., estimate)	\$ 15,000.00
Total	\$ 38,250.00

Note: Vendor costs are estimated, and are contingent on the results of the initial studies

Additional Services	Cost
Miscellaneous as Requested By CCD Project Manager	\$ -
Total	-

Total Estimated ODCs \$ 41,850.00

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated Work Hours

Pinyon						Total Hours	Total Task Cost
1	3	4	7	9	10		
Principal Engineer/Scientist	Project Manager	Project Specialist	Staff II Engineer/Scientist	Drafting (Graphics)	Project Assistant		
\$ 229	\$ 163	\$ 120	\$ 107	\$ 86	\$ 82		

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION

Task Description	1	3	4	7	9	10	Total Hours	Total Task Cost
Task 1. Project Management and Coordination								
A. Project Planning and Monitoring								
1. Project Execution Plan								
2. Project Schedule								
B. General Project Management								
1. Weekly project management - XX hour/week PM; 2 hour/month Admin								
2. Invoicing and Status Reports		18					18	36
Task 1 SUBTOTAL - Project Management and Coordination - carry down		18					18	36
								\$ 4,410.00
Task 2. Meetings								
1. Project Kickoff Meeting - (PM and Disc. Leads) - 1 meeting		4					4	
2. Standing Coordination Meetings (Devos, staff as needed) - XX assumed bi-weekly meetings (XX 2-hr in person, XX 1-hr conf call)								
3. Quarterly NDCC Town Hall Meetings								
4. National Western Center Citizen's Advisory Committee (2 Meetings)								
5. National Western Center Executive Oversight Committee (1 Meeting)								
6. Public Meetings (2 Meetings, one following conceptual design, one following FIR design)								
7. Project Management Team (6 Meetings)		24					24	
8. 60% Plan Review Meeting		4					4	
9. Final Plan Review Meeting		4					4	
10. Meeting minutes - XX meetings								
Task 2 SUBTOTAL - Meetings - carry down		36					36	36
								\$ 5,868.00
Task 5. Environmental								
A. CDOT Categorical Exclusion (Devolution of Brighton Blvd North of 47th Ave)								
1. Categorical Exclusion Report (CDOT Form 128)								
2. Hazardous Materials (Phase 1)								\$ -
3. Historical Resources								\$ -
4. Noise								\$ -
5. Air Quality								\$ -
6. Biological Resources								\$ -
7. Archaeology								\$ -
8. Paleontology								\$ -
9. Section 4(f) and 6(f)								\$ -
B. Environmental Clearances (100% Design)								
1. Phase I Environmental Site Assessments (assumed 2 total)								\$ -
2. Phase II Environmental Site Assessment	4	16	40	80	10		150	\$ 17,744.00
3. Materials Management Plan	1	4	40		4		49	\$ 6,025.00
4. Methane Odors and Dust Control Plan	1	4	40		4		49	\$ 6,025.00
1. Clearance Report								
2. Hazardous Materials (Phase I)								
3. Hazardous Materials (Phase II)								
4. Historical Resources								
5. Noise								
6. Air Quality								
7. Biological Resources								
8. Archaeology								
9. Paleontology								
10. Section 4(f) and 6(f)								
C. Environmental Permits (100% Design)								
Task 5 SUBTOTAL - Environmental	6	24	120	80	18		248	29,794.00

Total Hours/Project Cost	6	78	120	80	18	18	320	40,072.00
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Labor Rate/hr	\$ 229	\$ 163	\$ 120	\$ 107	\$ 86	\$ 82
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Labor Cost	\$ 1,374	\$ 12,714	\$ 14,400	\$ 8,560	\$ 1,548	\$ 1,476	\$ 40,072.00
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Expenses							\$ 41,850.00
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Mileage
Potholing

Total \$ 81,922.00

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated Work Hours

PK Electric									Total Hours	Total Task Cost
2	5	6	8	10	32	33	39			
Principal 2	Project Manager 3	Senior Engineer 1	Project Engineer 1	Junior Engineer 1	CADD TECH 1	CADD TECH 2	Admin 2			
\$ 225	\$ 165	\$ 155	\$ 140	\$ 120	\$ 98	\$ 85	\$ 80			

Estimated workhours shown. Assumes 9 month active project duration.

TASK DESCRIPTION	2	5	6	8	10	32	33	39	Total Hours	Total Task Cost
Task 1. Project Management and Coordination										
A. Project Planning and Monitoring										
1. Project Execution Plan										
2. Project Schedule										
B. General Project Management										
1. Weekly project management - 2 hour/week PM; 1 hour/month Admin										
2. Invoicing and Status Reports										
Task 1 SUBTOTAL - Project Management and Coordination										\$ -
Task 2. Meetings										
1. Project Kickoff Meeting - (PM and Disc. Leads) - 1 meeting										
2. Standing Coordination Meetings - 20 assumed bi-weekly meetings (12 2-hr in person, 8 1-hr conf call)	2	18							20	
3. National Western Center Executive Oversight Committee (1 Meeting)										
4. Project Management Team (6 Meetings)										
5. 60% Plan Review Meeting		4							4	
6. Final Plan Review Meeting		4							4	
Task 2 SUBTOTAL - Meetings	2	26							28	\$ 4,740.00
Task 10. Landscaping, Irrigation, and Lighting Design										
A. Lighting Analysis & Photometric Calculations										
B. Planting Plans and Details (60% and Final)	6	12	30	40		32			120	
C. Lighting Plans, Specifications, Electrical Plans (60% and Final)	12	10	40	40	10	20	30	8	170	
D. Irrigation Plans and Specifications (60% and Final)										
E. Coordinate electrical services with XCEL	2	8	16	16			12	8	62	
Task 10 SUBTOTAL - Landscaping, Irrigation, and Lighting Design	20	30	86	96	10	52	42	16	352	\$ 47,366.00
Task 11. Cost Estimating										
A. Engineers Estimate - 60% Design	2		4	8				1	15	
B. Engineers Estimate - Final	1		4	8				1	14	
Task 11 SUBTOTAL - Cost Estimating	3		8	16				2	29	\$ 4,315.00
Task 15. Sustainability										
A. Oversee Integration of National Western Master Plan Sustainability Goals										
B. Coordinate with Design Team on Working Sustainably	1		4	4					9	
C. Report/White Paper on Final Sustainability Integration in Project										
Task 15 SUBTOTAL - Sustainability	1		4	4					9	\$ 1,405.00
Task 16. Integrated Contractor (IC) Coordination										
A. Final Construction Cost Estimate reviews										
B. Constructability Reviews										
C. Value Engineering exercises										
D. 60% and Final Construction Plan reviews										
E. Attend IC Team Meetings (8)										
Task 16 Integrated Contractor (IC) Coordination										\$ -
Task 17. Construction Services										
A. Review Submittals										
B. Respond to RFIs										
C. Conduct periodic site inspections										
D. Attend project meetings when requested										
E. Participate in Substantial Completion walk-through										
F. Prepare as-built plans based upon redlines by the Contractor and CCD										
G. Survey of City Storm and Sanitary Facilities										
Task 17 Subtotal - Construction Services										\$ -
Task 18. Operations & Maintenance Plan										
A. Operation and Maintenance Plan	4	12	20	20				2	58	
Task 18 SUBTOTAL - Operations & Maintenance Plan	4	12	20	20				2	58	\$ 8,940.00
Task 19. TOD Site/Visit Dropoff Study										
A. summarize development constraints for the site										
B. Lead charrette with NWCO staff and NWC Partners										
C. Integrate tour and school bus drop off on the west side of Brighton Blvd										
D. Conceptual Site Studies (3 ea with site plan and 2D sketches)										
E. Final Conceptual Plan with 2D and 3D sketches/renderings										
Task 19 SUBTOTAL - TOD Site/Visit Dropoff Study										\$ -
Task 20. 100% Design of Brighton, 44th to 47th (if needed)										
A. Roadway Design										
B. Urban Design <small>reduced hours by 50% - design of only denver desired betterments</small>										
C. Drainage Design										
D. Traffic Design (Signing, Striping, Signal, MOT, Phasing)										
E. Landscape, Irrigation and Lighting Design (coordination with CDOT design only)	4	5	10	10	9	8	10		56	\$ 7,389.00
Task 20 SUBTOTAL - 100% Design of Brighton, 44th to 47th (if needed)	4	5	10	10	9	8	10		56	\$ 7,389.00
Total Hours/Project Cost	34	73	128	146	19	60	52	20	532	\$ 74,155.00

Labor Rate/hr \$ 225 \$ 165 \$ 155 \$ 140 \$ 120 \$ 98 \$ 85 \$ 80

Labor Cost \$ 7,650 \$ 12,045 \$ 19,840 \$ 20,440 \$ 2,280 \$ 5,880 \$ 4,420 \$ 1,600 **\$ 74,155**

Expenses

Mileage
Potholing

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated Work Hours

Stantec				Total Hours	Total Task Cost
3	4	9	11		
Project Manager 1	Project Manager 2	Project Engineer 2	Junior Engineer 2		
\$ 205	\$ 190	\$ 130	\$ 100		

Estimated workhours shown. Assumes 9 month active project duration.

Hrs Check

TASK DESCRIPTION								
Task 1. Project Management and Coordination								
A. Project Planning and Monitoring								
1. Project Execution Plan	2				2			
2. Project Schedule	2				2			
B. General Project Management								
1. Weekly project management - XX hour/week PM; 2 hour/month Admin	50				50			
2. Invoicing and Status Reports								
Task 1 SUBTOTAL - Project Management and Coordination	54				54	\$ 11,070.00	54	
Task 2. Meetings								
1. Project Kickoff Meeting - (PM and Disc. Leads) - 1 meeting	2				2			
2. Standing Coordination Meetings (Devos, staff as needed) - XX assumed bi-weekly meetings (XX 2-hr in person, XX 1-hr conf call)	36				36			
3. Quarterly NDCC Town Hall Meetings	2				2			
4. National Western Center Citizen's Advisory Committee (2 Meetings)	2				2			
5. National Western Center Executive Oversight Committee (1 Meeting)	2				2			
6. Public Meetings (2 Meetings, one following conceptual design, one following FIR design)								
7. Project Management Team (6 Meetings)	12				15			
8. 60% Plan Review Meeting	2				2			
9. Final Plan Review Meeting								
10. Meeting minutes - XX meetings	8				8			
11.0 Coordination with CDOT and Peer Review								
Task 2 SUBTOTAL - Meetings	66				69	\$ 13,530.00	66	
Task 3. Civil Engineering Design (Roadway, Bridge, Loop Road)								
A. Final Design 47th Avenue to Race Court Bridge								
B. Final design of 49th Avenue between Brighton Boulevard and High Street								
C. Final design of a bicycle connection between Brighton/44th Street and Brighton/47th Avenue								
D. 60% Design Submittal								
E. Final Design Submittal								
F. Construction Documents Submittal (Plans and Specifications)								
G. Quality Review of Submittals								
	40				40			
Task 3 SUBTOTAL - Civil Engineering Design (Roadway, Bridge, Loop Road)	40				40	\$ 8,200.00	40	
Task 6. Drainage & Water Quality Design								
A. Hydrology								
		15			15			
B. Hydraulics								
		5			5			
C. Stormwater Management Plan								
		5			5			
D. Hydrology and Hydraulics Report (60% and Final)								
		8			8			
E. Water Quality Report (60% and Final)								
		8			8			
F. Design Plans (60% and Final)								
		8			8			
G. Cost Estimating								
		8			8			
Task 6 SUBTOTAL - Drainage & Water Quality Design		57			57	\$ 10,830.00	57	
Task 7. Signing, Striping, and Traffic Signal Design								
A. Signing Plans								
		8	23	30	61			
B. Striping Plans								
		8	20	25	53			
C. Bikeway Signing and Striping Details								
		8	15	10	33			
D. Traffic Signal Design (4 Intersections)								
		24	58	60	142			
E. Bicycle Facility Signal details								
		4	15	30	49			
F. Plans and Quantities (60% and Final)								
		24	100	110	234			
Task 7 SUBTOTAL - Signing, Striping, and Traffic Signal Design		76	231	265	572	\$ 70,970.00	572	
Task 8. Construction Traffic Control Design								
A. Temporary Traffic Control Design								
		12	36	36	84			
B. Traffic Control Plans and Quantities								
		14	22	36	72			
C. Construction Phasing Plans								
		10	20	60	90			
Task 8 SUBTOTAL - Construction Traffic Control Design		36	78	132	246	\$ 30,180.00	246	
Task 11. Cost Estimating								
A. Engineers Estimate - 60% Design								
		10			10			
B. Engineers Estimate - Final								
		5			5			
Task 11 SUBTOTAL - Cost Estimating		15			15	\$ 3,075.00	15	
Task 12. Public Outreach and Public Meetings								
A. Messaging and Project Materials								
		2			2			
B. Public Meetings (2 Meetings)								
C. Specialized Meetings								
		5			5			
D. Digital Communications/Content Updating								
E. NDCC/NWCO Coordination								
		10			10			
F. Issues Management								
		10			10			
G. Bilingual Fact Sheets								
H. Topic-Specific Handouts (2)								
I. Public Meeting Tracking/Reporting								
Task 12 SUBTOTAL - Public Outreach and Public Meetings		27			27	\$ 5,535.00	27	

Project Number:	PWT2015-037	PCN:	N/A
Description:	BRIGHTON BOULEVARD, 44TH AVENUE TO RACE COURT		
City Project Manager:	John LaSala, PE		
Wilson Project Manager:	Marc Devos, PE		

Estimated Work Hours

Stantec				Total Hours	Total Task Cost
3	4	9	11		
Project Manager 1	Project Manager 2	Project Engineer 2	Junior Engineer 2		
\$ 205	\$ 190	\$ 130	\$ 100		

Estimated workhours shown. Assumes 9 month active project duration.

Hrs Check

TASK DESCRIPTION

Task 13. Utilities							
A. Perform an existing utility/ final design conflict analysis							
B. Coordinate with utility owners	16				16		
C. Prepare utility specifications							
D. Prepare utility plans							
E. Develop supplemental pothole plan to pothole (up to 40 locations)							
G. Compile pothole data and update utility CAD file							
H. Potholing Summary Report							
Task 13 SUBTOTAL - Utilities	16				16	\$ 3,280.00	16
Task 16. Integrated Contractor (IC) Coordination							
A. Final Construction Cost Estimate reviews							
B. Constructability Reviews	5				5		
C. Value Engineering exercises							
D. 60% and Final Construction Plan reviews							
E. Attend IC Team Meetings (8)	8				8		
Task 16 Integrated Contractor (IC) Coordination	13				13	\$ 2,665.00	13
Task 17. Construction Services							
A. Review Submittals		4	24		28		
B. Respond to RFI's		6			6		
C. Conduct periodic site inspections							
D. Attend project meetings when requested							
E. Participate in Substantial Completion walk-through							
F. Prepare as-built plans based upon redlines by the Contractor and CCD				16	16		
G. Survey of City Storm and Sanitary Facilities							
Task 17 Subtotal - Construction Services		10	24	16	50	\$ 6,620.00	50
Task 20. 100% Design of Brighton, 44th to 47th (if needed)							
A. Roadway Design	5				5		
B. Urban Design							
C. Drainage Design							
D. Traffic Design (Signing, Striping, Signal, MOT, Phasing)design from 47th to north end of 46th intersection)		3	10	17	30		
E. Landscape, Irrigation and Lighting Design							
Task 20 SUBTOTAL - 100% Design of Brighton, 44th to 47th (if needed)	5	3	10	17	35	\$ 4,595.00	35

Total Hours/Project Cost	236	182	343	430	1191	\$ 170,550.00	1194
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Labor Rate/hr	\$ 205	\$ 190	\$ 130	\$ 100	
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Labor Cost	\$ 48,380	\$ 34,580	\$ 44,590	\$ 43,000	\$ 170,550
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Expenses					\$1,500
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Mileage
Potholing

Total	\$ 172,050
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Mark Scholfield	Principal-in-Charge - Wilson & Company
Dennis Ohlrogge	Quality Manager - Stantec
Marc Devos	Project Manager – Wilson & Company
Gretchen Wilson	Urban Design & Landscape – Dig Studio
Alicia Zimmerman	Cycle Track – Fox Tuttle Hernandez
Kristi Estes	Public Outreach & Meetings - CIG
Alan Wiskus	Lighting Design – PK Electrical
Laura Charlier	Sustainability – Group 14
Jessica Burch	Roadway – Wilson & Company
Mark Hildahl	Structural – Wilson & Company
Vance Fossinger	Drainage – Wilson & Company
Jim Godwin	Water Quality – Wilson & Company
Jon Chesser	Environmental Clearances – Wilson & Company
Mike Gill	Traffic Signals/Signing striping - Stantec

Key Personnel

EXHIBIT C

INSURANCE



CERTIFICATE OF LIABILITY INSURANCE

6/1/2017

DATE (MM/DD/YYYY)

9/13/2016

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	
	INSURER A : Zurich American Insurance Company	NAIC # 16535
INSURED 4011 WILSON & COMPANY, INC., ENGINEERS & ARCHITECTS 1675 BROADWAY, SUITE 200 DENVER CO 80202	INSURER B :	
	INSURER C :	
	INSURER D :	
	INSURER E :	
	INSURER F :	

COVERAGES WILCO15 CERTIFICATE NUMBER: 14257051 REVISION NUMBER: XXXXXXXX

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER	Y	Y	GLO 5944326	6/1/2016	6/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	BAP 5944327	6/1/2016	6/1/2017	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	<input type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX
A	<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N N	N/A	WC 5944328	6/1/2016	6/1/2017	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
 RE: PWT2015-037. BRIGHTON BLVD. 44TH AVE TO RACE COURT. 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, AS 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 AS REQUIRED BY WRITTEN CONTRACT.

CERTIFICATE HOLDER 14257051 CITY & COUNTY OF DENVER 201 W. COLFAX AVE 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
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CERTIFICATE OF LIABILITY INSURANCE

6/1/2017

DATE (MM/DD/YYYY)

9/13/2016

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	
INSURED 1048828 WILSON & COMPANY, INC., ENGINEERS & ARCHITECTS 1675 BROADWAY, SUITE 200 DENVER CO 80202	INSURER A: Catlin Insurance Company, Inc NAIC # 19518	
	INSURER B: _____	
	INSURER C: _____	
	INSURER D: _____	
	INSURER E: _____	
	INSURER F: _____	

COVERAGES WILCO15 **CERTIFICATE NUMBER:** 14257057 **REVISION NUMBER:** XXXXXXXX

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

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER: _____			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX DAMAGE TO RENTED PREMISES (Ea occurrence) \$ XXXXXXXX MED EXP (Any one person) \$ XXXXXXXX PERSONAL & ADV INJURY \$ XXXXXXXX GENERAL AGGREGATE \$ XXXXXXXX PRODUCTS - COMP/OP AGG \$ XXXXXXXX \$ _____
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			NOT APPLICABLE			COMBINED SINGLE LIMIT (Ea accident) \$ XXXXXXXX BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED _____ RETENTION \$ _____			NOT APPLICABLE			EACH OCCURRENCE \$ XXXXXXXX AGGREGATE \$ XXXXXXXX \$ XXXXXXXX
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N <input checked="" type="checkbox"/> N/A If yes, describe under DESCRIPTION OF OPERATIONS below			NOT APPLICABLE			PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ XXXXXXXX E.L. DISEASE - EA EMPLOYEE \$ XXXXXXXX E.L. DISEASE - POLICY LIMIT \$ XXXXXXXX
A	PROFESSIONAL LIABILITY	N	N	AED-675334-0617	6/1/2016	6/1/2017	\$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: PWT2015-037. BRIGHTON BLVD, 44TH AVE TO RACE COURT.

CERTIFICATE HOLDER

14257057
 CITY & COUNTY OF DENVER
 201 W. COLFAX AVE
 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