#### DESIGN SERVICES AMENDATORY AGREEMENT

THIS AMENDATORY AGREEMENT is made and entered into between the CITY AND COUNTY OF DENVER, a municipal corporation of the State of Colorado (the "City"), and CH2M HILL ENGINEERS, INC., a Delaware corporation registered to do business in Colorado, with its principal place of business at 9127 South Jamaica Street, Englewood, Colorado, 80112 (the "Design Consultant"), jointly "the Parties."

#### **RECITALS**

- 1. The City and the Design Consultant previously entered into an agreement dated November 10, 2014 for professional architecture and engineering design services in support of Phase I Design Development and Public Outreach for the Brighton Boulevard (between 29<sup>th</sup> and 44<sup>th</sup> Streets) Project (the "Project"); and
- **2.** The City and the Design Consultant wish to amend the Agreement to authorize Phase II Final Design and Construction Administration.
- **NOW, THEREFORE**, in consideration of the premises and the mutual covenants and obligations herein set forth, the parties agree as follows:
- 1. All references to "<u>Exhibit A</u>" in the Agreement shall be amended to read: "<u>Exhibit A</u> and <u>Exhibit A-1</u>" as applicable. The scope of work marked as <u>Exhibit A-1</u> attached to this Amendatory Agreement is hereby incorporated by reference.
- **2.** Section 3.01 of the Agreement entitled "<u>Fee for basic services</u>", subsection (b), entitled "**Fee for Phase II Basic Services**" is hereby amended to read in its entirety as follows:
  - "(b) Fee for Phase II Basic Services: The City agrees to pay the Design Consultant, as full compensation for all Phase II basic services rendered hereunder, a fee not to exceed ONE MILLION FOUR HUNDRED TWENTY FIVE THOUSAND DOLLARS AND ZERO CENTS (\$1,425,000.00) in accordance with the billing rates and project budget stated in Exhibit A-1."
- **3.** Section 3.02 of the Agreement, entitled "**Reimbursable Expenses**" is hereby amended to read in its entirety as follows:
  - "3.02 Reimbursable Expenses. The following expenses will be reimbursed at cost with mileage being reimbursed at the then current IRS rate: mileage, parking, photocopying, graphic expenses, postage and delivery costs. Expenses not identified in this paragraph, specifically identified in **Exhibit A** and **Exhibit A-I** or preapproved in writing by the City will not be reimbursed. All other expenses shall be included in the Design Consultant's fee and will not be reimbursed hereunder. The maximum amount to be paid for all reimbursable expenses under this Agreement is **THIRTY THOUSAND DOLLARS AND ZERO CENTS** (\$30,000.00) unless an additional amount is approved by the Executive Director or his designee in writing, subject to the

Maximum Contract Amount stated herein. Unless this Agreement is amended in writing according to its terms to increase the Maximum Contract Amount, any increase in the maximum amount of reimbursable expenses will reduce the Design Consultant's maximum fee amount accordingly."

- **4.** Section 3.03 of the Agreement entitled "<u>Additional Services</u>" is hereby amended to read in its entirety as follows:
  - "3.03 <u>Additional Services</u>. 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 **ONE HUNDRED FORTY THOUSAND DOLLARS AND ZERO CENTS** (\$140,000.00)."
- **5.** Section 3.05(a) of the Agreement, entitled "<u>Maximum Contract Amount</u>", is hereby amended to read in its entirety as follows:

#### "3.05 Maximum Contract Amount.

- (a) Notwithstanding any other provision of the Agreement, the City's maximum payment obligation will not exceed **TWO MILLION THREE HUNDRED FOURTEEN THOUSAND THREE HUNDRED TWENTY FIVE DOLLARS AND ZERO CENTS** (\$2,314,325.00) (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 **Exhibits A** and **A-1**. Any services performed beyond those set forth therein are performed at Design Consultant's risk and without authorization under the Agreement."
- **6.** Section 4.01 of the Agreement entitled "<u>Term</u>" is hereby amended to read in its entirety as follows:
  - "4.01 <u>Term.</u> The term of this Agreement shall commence on November 1, 2014 and shall expire on January 31, 2016, unless sooner terminated, upon final completion of the Project."
- **7.** Except as amended herein, the Agreement is affirmed and ratified in each and every particular.

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Contract Control Number:		
IN WITNESS WHEREOF, the parties he Denver, Colorado as of	nave set their hands and affixed their seals at	
SEAL	CITY AND COUNTY OF DENVER	
ATTEST:	By	
APPROVED AS TO FORM:	REGISTERED AND COUNTERSIGNED	
By	By	
	By	



Contract Control Number:	PWADM-201418034-01
Contractor Name:	CH2M HILL ENGINEERS, INC.  Randb & Yeardy  By:
	Name: Danielle L. Yearsley (please print)
	Title: Designated Manager (please print)
	ATTEST: [if required]
	Ву:
	Name:(please print)
	Title:



### **EXHIBIT A-1**

## EXHIBIT A BRIGHTON BOULEVARD Phase II- Final Design and Construction Administration SCOPE OF WORK April 9, 2015

#### Overview

The City and County of Denver (the "City") is contracting with the CH2M HILL Team (the "Consultant") to provide design services for Brighton Boulevard from 29th to 44th Streets.

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) and is a key placemaking component of the 23-mile Corridor of Opportunity and one of six major projects of the North Denver Cornerstone Collaborative (NDCC), which was created by Mayor Hancock 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.

This Project involves professional design engineering and related services required to produce final design of a hybrid reconstruction concept of Brighton Boulevard (29th to 44th Streets) in accordance with the Phase 1- Design Development and Public Outreach work. This project will also take into account the transition needed between 28th and 29th Streets and the transition to the interchange zone on the north end.

During Phase 1, the City has continued to work with property owners who are in the midst of design and redevelopment along the corridor, mainly between 31<sup>st</sup> Street and 35<sup>th</sup> Street. Through this process a hybrid concept has been refined which incorporates current development plans into the preliminary design and provides an interim solution that safely transitions between properties that are redeveloping and those that are remaining. In addition, this hybrid design concept identifies opportunities to provide on street parking. As design progresses, this hybrid concept will continue to be refined and evolve through conversations with adjacent property owners.

It is assumed that the hybrid design will only require right-of-way acquisitions at key intersection corners and temporary construction easements at all other locations. At properties that are redeveloping, the City and Developers will work towards an agreement so that elements of the ultimate vision can be designed outside of the existing right-of-way without acquiring additional right-of-way.

It is assumed that construction funding for this project is available.

The basic services which must be performed on the Project have been separated into the phases described below. This second agreement will establish the tasks and maximum price for Phase II. If, in its sole discretion, the City decides to authorize the Consultant to proceed with Phase II the phase will be authorized by written amendment.

**Phase I- Preliminary Design:** Phase I-Design Development and Public Outreach consists of the work described in this scope of work.

**Phase II- Final Design and Construction Administration:** If the City, in its sole discretion, decides to proceed with Phase II- Final Design and Construction Administration, for a selected segment of the project, the Consultant and the City will develop a Scope of Work that will be incorporated into this agreement. Any Phase II work performed by the Consultant before the City executes a written amendment will be performed at the Consultant's risk.

#### **Project Timeline**

This is a scope of work for the Final Design and Construction Administration Contract. It is anticipated

that the following tasks will be completed in six (6) months from the issuance of the Notice to Proceed. The proposed schedule of activities is below.

#### **SCHEDULE OF ACTIVITIES**

Task Ta	「asks	Month

		1	2	3	4	5	6
1	Project Management						
2	Meetings						
3	Civil Engineering Design						
4	Drainage & Water Quality Design						
5	Signing, Striping, and Traffic Signal Design						
6	Traffic Control Design						
7	Cost Estimating						
8	Urban/Hardscape Design						
9	Landscaping, Irrigation, and Lighting Design						
10	Public Outreach and Public Meetings						
11	Utilities						
12	Survey						
13	Business Improvement District (BID) Support						
14	Integrated Contractor (IC) Coordination						
15	Additional Services						

Note - See specific tasks for deliverables

#### **Specific Tasks**

The following are the specific tasks for the Brighton Boulevard Final Design.

#### **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:

- 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, Office of Economic Development, Environmental Health, Community Planning and
  Development, North Denver Cornerstone Collaborative, and Development Services
- · Lead meetings with support of Consultant project manager

#### The Consultant PM will:

- With input from the Project Management Team (PMT), update 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.
  - Weekly coordination with the City PM
  - o Monitor the project budget, schedule, and deliverables

- Oversee and manage the sub-consultants
- Prepare and send monthly invoices to the City PM

De	liverables:
	Updated Project Execution Plan including
	<ul> <li>Detailed Final Design Project Schedule</li> </ul>
	Monthly Invoices
<b>-</b> -	als On Manathum
ıa	sk 2: Meetings
The	e Consultant will prepare for and attend the following meetings.
Me	etings:
Me □	etings: Project Manager Meetings
<i>Me</i> □	
<i>Me</i> □ □	Project Manager Meetings
<i>Me</i>	Project Manager Meetings Q3 2015 NDCC Meeting
<i>Me</i>	Project Manager Meetings Q3 2015 NDCC Meeting Q4 2015 NDCC Meeting
<i>Me</i>	Project Manager Meetings Q3 2015 NDCC Meeting Q4 2015 NDCC Meeting Six (6) PMT meetings

☐ Meeting notes from PMT and Miscellaneous Meetings

#### **Task 3: Civil Engineering Design**

For Brighton Boulevard from the 28th Street transition zone to 44th Street, the following civil engineering design will be completed.

#### **Final Roadway Design**

Deliverables:

- Typical Sections
  - Finalize the Brighton Boulevard typical sections
  - Finalize cross street typical sections, including pavement sections. Assume nine (9) cross streets
- Alignments
  - Finalize Brighton vertical alignment based on previously identified critical points from the survey
  - Finalize cross street horizontal alignments (9)
  - Finalize cross street vertical alignments (9)
- Intersections
  - Finalize intersection design including bike facility interface
  - o Finalize curb returns
- Access
  - Assume sixty (60) individual access locations.

- 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.
- Finalize transition from two way bike facility to protected bicycle lane at 29th

#### Bicycle Facility

- Finalize cycle track type and design and/or protection treatment for bicycle facility along corridor
- Continue working with traffic engineering services and public works to determine feasibility of protected bicycle intersections
  - Hold two (2) meeting with Public Works to determine appropriate location and feasibility of the protection at intersections
  - Determine operations of the intersection with protection using bicycle phasing, including bicycle lead intervals or all bicycle/pedestrian phase
    - Utilize existing counts taken during previous planning efforts
    - VISSIM software will be utilized to determine the signal operations with pedestrian, bicycle, and vehicular phases included
    - AM and PM peak hour will be analyzed at up to 3 signalized intersections
- 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.
- Continue providing input to Developers on transitions from new development plans to existing conditions on Brighton Boulevard

#### Bus stops

- Finalize locations for bus pads and bus stops
- Finalize layouts for bus pads and bus stops

#### Concrete Jointing Plans

- Develop concrete jointing plans
- Structural Engineering Support
  - Develop structural details for special inlets
  - Develop structural details for the seating bench/wall. This seating bench/wall will be a key element of the urban design for the corridor.

#### Cross Sections

- Finalize cross sections for Brighton Boulevard
- Finalize cross sections for cross streets (9 streets)
- Cross sections will be every 20 ft and at key locations.

- Removals
  - Finalize removals plans
- Finalize civil engineering design quantities
- Coordinate with other disciplines (drainage, bike facility design, urban design)
  - o Incorporate drainage facility design and water quality features in plan set
  - Incorporate urban design features in plan set
- Perform internal QC review of the Final Civil Plans
- Update the Final Civil Plans based on QC review comments

#### **Final Civil Plans**

- Print, assemble, and submit the final design plan package
  - Roadway, Drainage, Urban Design Plans shall be 1"= 50' Scale
  - See table at the end of this document for assumed sheet count for Final Civil Plans
- Update the Final Civil Plans based on City and Supporting Agencies review comments
- Print, assemble, and submit the Construction Bid plan package

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Final C	ivil Plans
	20 Hard Copy Sets
	1 CD with PDF files of the plan sheets
	1 CD with the AutoCAD design files
Docum	entation of comments and responses on Final Civil Plans
Constru	uction Bid Plans
	20 Hard Copy Sets
	1 CD with PDF files of the plan sheets
	1 CD with the AutoCAD design files

#### Task 4: Drainage and Water Quality Design

#### **Assumptions:**

- Design of regional drainage facilities are not part of this scope of work.
- 2-foot base mapping provided by CCD or UDFCD is adequate for drainage basin delineation for offsite drainage basins.
- Major drainageway basin planning studies performed for UDFCD and CCD shall be utilized to understand regional drainage patterns only. Improvements recommended in these plans shall be considered as future improvements, and not designed with this project.

For Brighton Boulevard from the 28th Street transition zone to 44th Street, 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

#### **Hydraulics**

- Accomplish the final design of local drainage system
- Finalize culvert pipe sizes, type, shape and material
- Finalize analysis of South Platte River floodplain impacts for 100-year flow
- Permanent Water Quality Facilities
  - o Finalize design of permanent water quality facilities
  - Coordinate locations of treatment areas with project team/ client; coordinate to meet objectives of project (Urban Design, Landscape, Transportation, and Engineering)
- Finalize Stormwater Management Plan (SWMP)
- Prepare a final Hydraulics and Hydrology report which shall consider historical 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:

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

#### Task 5: Signing, Striping, and Traffic Signal Design

For Brighton Boulevard from the 28th Street transition zone to 44th Street, the following Signing, Striping, and Traffic Signal Design work will be completed.

#### **Signing and Striping**

- Signing
  - o Develop final signing plan
- Striping
  - Develop final striping design and plans
- Develop Bike Facility final signing and striping details
  - o Details will focus on intersections, driveways, transition zones, and conflict points

Prepare final signing and striping design quantities

#### **Traffic Signal Design**

#### **Assumptions:**

- This scope does not include design of a new signal at 31<sup>st</sup>
- Signals will be designed to the hybrid design concept and may require minimal ROW. Some traffic signal equipment would need to be relocated for the future ultimate condition.
- Traffic signal at 29<sup>th</sup> will be designed by others. The ultimate 44<sup>th</sup> Street Signal will be designed
  as part of the I-70 Project. Some bicycle facility specific signal elements will need to be added to
  the existing 44<sup>th</sup> Street signal.

#### **Traffic Signal Design**

- Develop final signal design for two (2) intersections- 35<sup>th</sup> and 38th Streets
  - Signal design will include location for controller cabinet, pedestrian push buttons, signal poles and mast arms, conduit and traffic signal heads
  - Recommended signal head configuration will be shown for vehicular and pedestrian traffic
  - Develop signal phasing to be included on the signal design sheets
- Review and provide comments on the 29<sup>th</sup> Street Intersection Signal Design
- Develop final signal design for pedestrian crossing at 33<sup>rd</sup>
  - Signal design will include pedestrian push buttons, signal poles, signal heads (beacons or heads to be determined with TES), and pedestrian indications.
- Develop Bicycle Facility signal details
  - Identify final signalization treatments to accommodate bicycle and pedestrian traffic at 35th, 38th, and 44th Streets based upon operational analysis completed in Task 3
  - o Review and provide bicycle facility focused comments on the 29<sup>th</sup> Street Intersection
- Prepare final signal design quantities

### Deliverables: ☐ Final Signing and Striping Plans ☐ Final Signal Plans

#### Task 6: Traffic Control Design

For Brighton Boulevard from the 28th Street transition zone to 44th Street, the following Traffic Control work will be completed.

#### **Traffic Control Design**

- Develop final temporary traffic control design.
  - o Including identification of potential roadway, bicycle facility, and pedestrian detours
  - o 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

De	liverables:
	Final Traffic Control Plans
	Traffic Control Quantities

#### **Task 7: Cost Estimating**

For Brighton Boulevard from the 28th Street transition zone to 44th Street, the following Cost Estimating work will be completed:

#### **Engineer's Estimate**

 Develop a construction cost estimate. Calculate quantities and unit price analysis for all identified pay items. Include a contingency for unknown items.

#### Deliverables:

☐ Final Construction Cost Estimate

#### Task 8: Urban/Hardscape Design

For Brighton Boulevard from 28th Street transition zone to 44th Street, the following pavement, site design and furnishings design work will be completed to prepare final design plans and establish the final design concepts and final capital costs. The team will develop a Final Design package for the areas from 29th Street to 44th Street.

- 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
- Site Walls and Improvements
  - Layout, type and quantity of seating and site walls
  - Construction details and specifications.
  - Coordination with GID 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. Items to be provided by GID)
  - Bollard location, quantity, manufacturer and specification
  - Wayfinding and Identity Signage (coordinate location and quantity. (Items to be provided by GID)
  - Location and size requirements for Public Art installations (Coordinate with GID)

#### Deliverables:

Ш	Final Site Layout and Materials Plans
	Final Site Construction details and specifications
	Final Landscape Architect's Opinion of Probable Costs
	Final specifications
	Construction Bid Site Layout and Materials Plans
	Construction Bid Site Construction details and specifications
	Construction Bid Landscape Architect's Opinion of Probable Costs
	Construction Bid specifications
	One (1) additional interim pricing set and Opinion of Probable Costs

#### Task 9: Landscape Architecture, Irrigation, and Lighting Design

For Brighton Boulevard from 28th Street transition zone to 44th Street, the following Landscaping, Irrigation, and Lighting work will be completed to prepare final design plans and establish the final design concepts and final capital costs. The team will develop a Final Design package for the areas from 29th Street to 44th Street.

These plans will include the following:

- Planting
  - Plant Material
    - Location, species and size
    - Coordination with Forestry Department on street tree species, size and diversity
    - Tabulation of plant material quantities
  - Water Quality Facilities / Porous Landscape Detention
    - 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
  - Location and specification of 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)

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#### Deliverables:

Ш	Final Planting Plans and details
	Final Lighting Plans, specifications, and Electrical Plans (by Electrical Engineer)
	Final Irrigation Plans and specifications (by Irrigation Subconsultant)
	Final Landscape Architect's Opinion of Probable Costs
	Final planting, lighting and irrigation specifications
	Construction Bid Planting Plans and details
	Construction Bid Lighting Plans, specifications, and Electrical Plans (by Electrical Engineer)
	Construction Bid Irrigation Plans and specifications (by Irrigation Subconsultant)
	Construction Bid Landscape Architect's Opinion of Probable Costs
	Construction Bid planting, lighting and irrigation specifications
	One (1) additional interim pricing set and Opinion of Probable Costs

#### Task 10: Public Outreach and Public Meetings

For Brighton Boulevard from 28th Street transition zone to 44th Street, the following public outreach and public meeting work will be completed

#### **Messaging and Project Materials**

• The Consultant will 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).

#### **Public Meetings**

Plan and execute one public open-house meetings. Develop and manage a strategic workplan
for each public meeting to ensure consistency in flow and message. Provide feedback on
message and design of meeting materials (boards, presentation). Develop online public
comment tool for each and provide a summary of input.

#### **Workgroup Meetings**

• The Consultant will plan, promote, convene, facilitate and summarize up to nine (9) meetings of the Brighton Design Workgroup.

#### **Digital Communications**

 The Consultant will provide monthly content updates to the existing project website within the City's denvergov.org domain. GBSM will also create and maintain a stakeholder and comment database through its TrackVia system. Up to nine (9) project updates will be sent to the entire stakeholder database.

#### **NDCC Coordination**

 The Consultant will provide NDCC with project updates to include in their email coordination. In addition, the Consultant will help staff up to two (2) North Denver Cornerstone Collaborative Open House meetings and provide input on the project materials to be displayed at them.

#### **Issues Management**

 The Consultant will provide up to thirty (30) hours of senior level strategic planning, issuesmanagement 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.

Dei	iiverabies:
	Fact Sheets
	Two (2) Topic-Specific Handouts
	Digital content updates

#### Task 11: Utilities

For Brighton Boulevard from the 28th Street transition zone to 44th Street, the following Utility work will be completed:

#### **Existing Trolley Track Location**

Based on historic information and maps, there is a high likelihood that trolley track are located under Brighton Boulevard. This work effort will try to determine if trolley tracks are present under Brighton Boulevard. This effort includes the following:

- Meet with the City to identify four areas for a GPR survey, based on proposed improvements and previous construction. Each area will extend across the entire roadway and be 25 feet long
- Hire a GPR contractor to survey the four areas
- Call in UNCC locates prior to the GPR survey. Mark the location of suspected trolley tracks with white paint on the pavement. Document the findings on a sketch.
- Work with the City to select one primary and one secondary location for further investigation. It is anticipated that two sets of parallel tracks are running down Brighton Boulevard at a depth of two feet
- Hire a hydrovac contractor to excavate two slot trenches (one at each set of tracks) to expose
  the tracks and determine the depth of the ballast. When the tracks are exposed, have the GPR
  contractor connect to the tracks and track the signal in either direction from the excavation.
  Backfill the trench and cover with permanent patch
- If the excavation at the primary area was unsuccessful, repeat at the secondary location

#### **Utility Plans, Coordination, and Supplemental Potholing**

- Perform an existing utility/ final design conflict analysis
- Coordination with utility owners
- Prepare utility specifications

- Prepare utility plans
- Develop supplemental pothole plan and hire potholing contractor to pothole twenty (20) locations over four (4) days
- Compile pothole data and update utility CAD file with pothole results.

De	liverables:
	Final Utility Specifications
	Final Utility Plans

#### Task 12: Survey/ROW

For Brighton Boulevard from the 28th Street transition zone to 44th Street, 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 for a total of one-hundred-ten (110) property impacts (i.e. acquisitions, PEs, TEs) 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. It is our understanding that 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 Recorders 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.* 

#### Supplemental Survey

The consultant will provide up to eighty (80) hours of supplemental field survey and forty (40) hours of associated office time, as needed, in support of the development of final design.

De	liverables:
	Final Right-of-Way Plans
	Supplemental Survey- if needed

#### Task 13: Business Improvement District (BID) Support

BID support efforts are included in this scope of work. Support tasks associated with the formation of the BID and GID include:

• Support of petition requirements

- Support of election requirements
- Development of BID and GID Operations and Maintenance Costs
- Development of BID and GID graphics

#### Task 14: Integrated Contractor (IC) Coordination

For the construction of Brighton Boulevard from the 28th Street transition zone to 44th Street, 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
- Final Construction Plans

It is assumed that the Consultant will meet with IC Team three (3) times.

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☐ Attendance at three (3) meetings with the IC Team

#### **Task 15: 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.

#### **Construction Administration**

If the City, in its sole discretion, decides to proceed with Construction Administration Services, the Consultant and the City will develop a Scope of Work that will be incorporated into this agreement. Any Construction Administration work performed by the Consultant before the City executes a written amendment will be performed at the Consultant's risk.

#### **Summary**

Task #	Task	Cost
1	Project Management	\$100,520
2	Meetings	\$128,705
3	Civil Engineering Design	\$315,465
4	Drainage and Water Quality Design	\$148,280
5	Signing, Striping, and Traffic Signal Design	\$48,750
6	Traffic Control Design	\$48,240
7	Cost Estimating	\$9,040
8	Urban/Hardscape Design	\$135,200
9	Landscaping, Irrigation, and Lighting Design	\$196,570
10	Public Outreach and Public Meetings	\$80,505
11	Utilities	\$43,870
12	Survey/ROW	\$56,960
13	Business Improvement District (BID) Support	\$45,600
14	Integrated Contractor (IC) Coordination	\$62,700
15	Additional Services	\$100,000
Sub-Total		\$1,520,405
Reimburs	able Expenses	\$15,000
Total		\$1,535,405

See attached spreadsheet for specific task breakdown.

Milestone Activity Sched	ule
Milestone	Completion Date
Notice to Proceed	July 2014
Public Meeting #1	TBD
Final Engineering Plans and Cost Estimate	December 2015
Final Engineering Plans Review Meeting	December 2015
Construction Bid Plans	January 2016

# EXHIBIT A BRIGHTON BOULEVARD Phase II- Final Design and Construction Administration SCOPE OF WORK April 9, 2015

Brighton Final Design	
INDEX OF SHEETS	Sheet Count
Title Sheet	1
Abbreviations and Symbols	1
General Notes	3
Typical Sections	4
Summary of Approximate Quantities	2
Tabulation of Removals	1
Tabulation of Earthwork Tabulation of Surfacing	1 1
Tabulation of Curb & Gutter, Guardrail, and Miscellaneous Items	1
Land Survey Control Diagram	5
Geometric Layout	4
Removal Plans	15
Construction Phasing Quantities	1
Construction Phasing Notes	3
Construction Phasing Standard Details	7
Construction Phasing Sheets	30
Roadway Plans	15
Roadway Profiles	15
Roadway Details	9
Bicycle Facility Details	12
Concrete Jointing Plans	15 -
Structural Seating Bench/Wall Details	5
Drainage Tabulation of Quantities	1
Drainage Plans	15
Structural Inlet Details	2
Storm Water Management Quantities	1
Storm Water Management Plan Notes	1
Storm Water Management Standard Details Storm Water Management Plans	6 30
Signing and Striping Tabulation of Quantities	1
Signing and Striping Plan	- 15
Bicycle Facility Detailed Signing and Striping	12
Signal Tabulation of Quantities	1
Signal Plans	15
Bike Facility Detailed Signal Plans	5
Utility General Notes & Boring Log	1
Utility Plans	15
Landscape Design Quantities	1
Landscape Design Plans	25
Landscape Design Details	4
Planting Quantities	1
Planting Plans	15
Planting Details	4
Irrigation Design Quantities	1
Irrigation Design Potails	15 4
Irrigation Design Details	4
Lighting Plans Tabulation of Quantities	1
Lighting Plans Lighting Details	15 4
	4
Cross Sections - Brighton Blvd	90
Cross Sections - Cross Street	18
	455

CH2M HILL Fee PROJECT: DRAFT BRIGHTON BOULEVARD PHASE II- FINAL DESIGN AND CONSTRUCTION ADMINISTARTION SCOPE OF WORK																														
CONSTRUCTION ADMINISTARTION SCOPE OF WORK						CH2M HILL						Fehr & Pe	ers		GBSM	ov			105 West		Go	odbee		RNL				Wenk		
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Hourly Ra	\$215	\$195	\$175	\$165	\$130	\$105	\$115	\$90	\$65	\$75	\$100 \$19	5 \$135	\$120	\$250	\$175 \$12	\$155	\$115	\$90	\$75	\$125	\$50 \$	140	\$225	\$125	\$100	\$195	\$150	\$95	\$90	\$60
Specific Tasks																														
Task 1 - Project Management	16		1										1																	(
Update the Project Management Plan  Detailed Final Design Project Schedule	16 4																													1
Weekly Coordination with City PM Weekly project oversight (6 months)	20 288	<del></del>									2																			29
Contract Set-up Subcontract Set-up and Management	2 6										40 56																			8
Monthly progress reports and invoices (6 months)	6									24	6 6		6	6		6	6				6			6		6				6 9
Subtotal Hours Subtotal Labor Costs	\$73,530	\$0	\$0	\$0	\$0	\$0	\$0 \$0	\$0	\$0		104 6 10,400 \$1,1		\$720	\$1,500	0 0 \$0 \$0		6 \$690	\$0	\$0 \$0	\$0	\$300	\$0	\$0	6 \$750	0 \$0	6 \$1,170	\$0	\$0	\$0	6 62 \$360 \$100
Task 2 - Meetings  NDCC Q3 2015 Meeting	4										- 2		+	4															-	1
Preparation NDCC Q4 2015 Meeting	8 4										8			4																2
Preparation	8										8			4																2
PMT Meetings (Assume 6) Minutes	12 20	24		12							6 12		+	12		12	2						-	12	12	12		12	12	15 2
Preparation Miscellaneous meetings (Assume 18)	20 72	72									20 36	36		54		36	1						36			36				37
Plan Review Meeting	4	8									4	4				4							4				4			3
Subtotal Hours Subtotal Labor Costs	152 \$32,680	104 \$20,280		12 \$1,980	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0		42 56 4,200 \$10,9			\$2 \$20,500	0 0 \$0 \$0		7 \$805		0 \$0	0 \$0	0 \$0		9,000		12 \$1,200	\$9,360	\$600			0 68 \$0 \$128
Task 3 - Civil Engineering Design Final Roadway Design											-																			
Finalize existing utility			4			- 40			8																					1
Finalize the title, general notes, and summary plan sheets Finalize Typical Sections		8	4			12 12	4		8 16																					2
Finalize horizontal and vertical alignments for Brighton Boulevard Finalize horizontal and vertical alignments for nine(9) cross streets		16 18	32 18			40 72	16 9		16 72																					12
Final Intersection Design and Layout (9)			18			54	Ţ		54		20																			18
VISSIM Analysis for protected bicycle intersection Finalize Access Design (60)		20	60			60	18		60		4																			5 22
Finalize Transitions Finalize Bike Facility Design and Details		8				24			16		24	60																		4 8
Finalize Bus stop design						8					27	- 00																		8
Concrete Jointing Plans  Develop Structural Details for Special Inlet		8	20			40 20	16		20																					6
Develop Structural Detail for Seating Bench/Wall		8	32			40	20		24																					10
Finalize roadway cross sections Finalize removal plans		4				16 20	8		20																					4
Prepare final civil engineering design quantities Coordination with other disciplines	10	6 60				40					20													20						11
Prepare Construction Specifications Perform internal QC review		60 60				40					40 8	16				20							40			20				2 <sup>4</sup>
Update Final Plans based on QC review comments		8	8			16	4		20		4	16				20							20	20		8			20	16
Final Plan Production  Print and assemble the final design plan package		8					8		20		20																			5
Construction Bid Plan Production  Update Final Plans based on City review comments		16	16			32	8		40		8	32	-			40							40	40		16			40	32
Print and assemble the preliminary design plan package  Subtotal Hours	10	8	212	0	0	546	8 <b>121</b>	0	20 <b>414</b>		20 <b>80</b> 90	214	0	0	0 0	80	0	0	0		0	0	100	80	0	44			60	5
Subtotal Labor Costs		\$64,740		\$0		\$57,330		\$0	\$26,910		8,000 \$17,5			\$0 \$0	\$0 \$0			\$0	\$0	\$0 \$0				10,000	\$0	\$8,580	\$0			0 23 \$0 \$315
Task 4 - Drainage & Water Quality Design Final Stormwater Management Plan (SWMP)	$\pm$		16			40			16				<u> </u>	<u> </u>		$\pm$	<u> </u>						+							8
Final Hydraulics and Hydrology Report Final Water Quality Report	+	32 32				80	60		16 20	$\overline{}$			+	<del>                                     </del>			+	+			$ \overline{\Box}$		-1			20	$- \mp$	20		23 14
Final Drainage Plans		32	48			80	40		80																				40	28
Final Drainage Details Final Drainage Design Quantities		16				40 28	20		40																	20 8		80 20	40	29
Drainage Meetings (Assume 12)  Subtotal Hours	0	24 144		0	0	268	128	0	176	0	0 0	0	0	0	0 0	0	0	0	0	0	0	0	0	0	0	12 60	0	120	40	0 11
Subtotal Labor Costs Teels C. Circuits Statistics and Troffic Circuit Design	\$0		\$39,200			\$28,140					\$0 \$0		\$0		\$0 \$0			\$0			\$0			\$0		\$11,700				\$0 \$148
Task 5 - Signing, Striping, and Traffic Signal Design Final Signing & Striping Plans		2														30														3
Final Bike Facility Signing & Striping Details Final Signing & Striping Quantities		2									8	60 16				8							-							7 2
	+	2								$\overline{}$	4			<del>                                     </del>		80	+	+			$ \overline{\Box}$		-1			$- \mp$	$- \mp$			12
Final Signal Plans Final Bike Facility Signal Details		2						_								8			_											1
Final Bike Facility Signal Details Final Signal Quantities		\$2,340		0 \$0	0 \$0	0 \$0		0 \$0			0 16 \$0 \$3,1				0 0 \$0 \$0			0 \$0	0 \$0		0 \$0				0 \$0	0 \$0				0 33 \$0 \$48,
Final Bike Facility Signal Details Final Signal Quantities Subtotal Hours Subtotal Labor Costs		I	+	-					+							80	-						+		+	+	+			9
Final Bike Facility Signal Details Final Signal Quantities Subtotal Hours		8													0 0	200		0	0											21
Final Bike Facility Signal Details Final Signal Quantities Subtotal Hours Subtotal Labor Costs Task 6 - Traffic Control Design Final Phasing Final Temporary Traffic Control Plans	4 4	8	0	0	0	0	0	0	0	0	0 0	0	0								0	0	0	r	0	0	0	0	0	
Final Bike Facility Signal Details Final Signal Quantities Subtotal Hours Subtotal Labor Costs Task 6 - Traffic Control Design Final Phasing Final Temporary Traffic Control Plans Subtotal Labor Costs Subtotal Labor Costs	4 4 8	8	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0		0 0 \$0 \$0			0 \$0	\$0 \$0			\$0	\$0	0 \$0			\$0 \$0	0 \$0	0 \$0		0 \$0	-		0 30 \$0 \$48,
Final Bike Facility Signal Details Final Signal Quantities Subtotal Hours Subtotal Labor Costs Task 6 - Traffic Control Design Final Phasing Final Temporary Traffic Control Plans Subtotal Hours	4 4 8 \$1,720	8 16	\$0																									_		0 30
Final Bike Facility Signal Details Final Signal Quantities Subtotal Hours Subtotal Labor Costs Task 6 - Traffic Control Design Final Phasing Final Temporary Traffic Control Plans Subtotal Labor Costs Task 7 - Cost Estimating Develop Final Construction Cost Estimate Subtotal Hours	4 4 8 \$1,720	8 16 \$3,120 16	\$0	\$0	\$0	<b>\$0</b> 40 <b>40</b>	\$0	\$0 0	\$0	\$0	0 0	\$0	\$0	\$0	\$0 \$0	\$43,400	\$0	\$0	\$0 0	\$0	\$0	0	0	\$0 0	\$0	\$0	\$0	\$0	0	0 30 \$0 \$48, 6 0 6
Final Bike Facility Signal Details Final Signal Quantities Subtotal Hours Subtotal Labor Costs Task 6 - Traffic Control Design Final Phasing Final Pemporary Traffic Control Plans Subtotal Labor Costs Task 7 - Cost Estimating Develop Final Construction Cost Estimate Subtotal Hours Subtotal Hours Subtotal Labor Costs Task 8 - Urban/Hardscape Design	4 4 8 \$1,720	8 16 \$3,120	\$0	\$0 0 \$0	\$0	<b>\$0</b> 40	\$0	\$0	\$0	\$0	0 0	\$0	\$0	\$0	\$0 \$0	\$43,400	\$0	\$0	\$0	\$0	\$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	\$0	0 \$0	0 \$0	0 30 \$0 \$48, 6 0 66 \$0 \$9,0
Final Bike Facility Signal Details Final Signal Quantities Subtotal Hours Subtotal Labor Costs Task 6 - Traffic Control Design Final Phasing Final Phasing Final Premporary Traffic Control Plans Subtotal Hours Subtotal Hours Subtotal Labor Costs Task 7 - Cost Estimating Develop Final Construction Cost Estimate Subtotal Hours Subtotal Labor Costs Task 8 - Urban/Hardscape Design Urban Design Plans Urban Design Petails	4 4 8 \$1,720	8 16 \$3,120 16	\$0	\$0	\$0	<b>\$0</b> 40 <b>40</b>	\$0	\$0 0	\$0	\$0	0 0	\$0	\$0	\$0	\$0 \$0	\$43,400	\$0	\$0	\$0 0	\$0	\$0	0 \$0	0 \$0	0 \$0	\$0	\$0	\$0	0 \$0	0	0 30 \$0 \$48, 6 0 6
Final Bike Facility Signal Details Final Signal Quantities Subtotal Hours Subtotal Labor Costs Task 6 - Traffic Control Design Final Phasing Final Phasing Final Temporary Traffic Control Plans Subtotal Hours Subtotal Labor Costs Task 7 - Cost Estimating Develop Final Construction Cost Estimate Subtotal Hours Subtotal Hours Very Cost Settimation Urban Design Plans Urban Design Plans	4 4 8 \$1,720	8 16 \$3,120 16 16 \$3,120	\$0	\$0 0 \$0	\$0	<b>\$0</b> 40 <b>40</b>	\$0	\$0 0	\$0	0 \$0	0 0	0 \$0	0 \$0	\$0	\$0 \$0	\$43,400 0 \$0	0 \$0	\$0	\$0 0	\$0	0 \$0	0 \$0	\$0 0 \$0 120	0 \$0	0 \$0	0 \$0	0 \$0	\$0 0 \$0 80	0 \$0	0 30 \$0 \$48, 6 0 66 \$0 \$9,0

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Hourly Rate	\$215	\$195	\$175	\$165	\$130	\$105	\$115	\$90	\$65	\$75	\$100	\$195	\$135	\$120	\$250	\$175	\$125	\$155	\$115	\$90	\$75	\$125	\$50	\$140	\$225	\$125	\$100	\$195	\$150	\$95	\$90	\$60	
Task 9- Landscaping, Irrigation, and Lighting Design																																	0
Landscape Plans Landscape Details				100 120																					40		120 120			20	40 40		360 380
Landscape Details  Landscape Quantities				16																1					8	24	24			4	8		84
Irrigation Plans				8																					8	80	120						216
Irrigation Details Irrigation Quantities		1		8	+										1					+					8	20 8	80 16					+	116 40
Lighting Plans				40																					24	60	40						164
Lighting Details			1	16 2						$\vdash$															2	60 8	40 20						118 32
Lighting Quantities  Subtotal Hours	0	0	0	318	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2 140	340	580	0	0	44	88	0	1510
Subtotal Labor Costs	\$0	\$0	\$0	\$52,470	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$31,500	\$42,500	\$58,000	\$0	\$0	\$4,180	\$7,920	\$0	\$196,570
Task 10- Public Outreach and Public Meetings  Messaging and Project Materials	}	1	1	-	+	1	-	}	-						2	16	16			<del>                                     </del>						}	-				1		34
Messaging and Project Materials Public Meetings (1)	4	8	1	4	+	1						4			8	20	20	4		<del>                                     </del>						4		4			1	+	80
Brighton Design Workgorup Meetings (9)	18	18		9								9			54	40	40	9								9		9					215
Digital Communications NDCC Coordination		-			-										2 12	9	30 8			-													41 24
Issues Management & Strategy															30	4																	30
Subtotal Hours	22	26	0	13	0	0	0	0	0	0	0	13	0	0	108	89	114		0	0	0	0	0 \$0	0	0	13	0	13	0	0	0	0	424
Subtotal Labor Costs  Public Involvement Expenses =	\$4,730	\$5,070	\$0	\$2,145	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$2,535	\$0	\$0	\$27,000	\$15,575	\$14,250	\$2,015	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$1,625	\$0	\$2,535	\$0	\$0	\$0	\$0	<b>\$77,480</b> \$3,025
Subtotal Expenses Costs																																	\$3,025
Subtotal Labor and Expense Costs																																	\$80,505
Task 11- Utilities  Locate Trolley Tracks		2																						70									72
Utilities Conflict Analysis		2																						16									18
Utilities Company Coordination Utilities Specification		2																						20 20									22 22
Utility Plans		2																		+				60									62
Subtotal Hours	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	186	0	0	0	0	0	0	0	0	196
Subtotal Labor Costs  Utility Expenses =	\$0	\$1,950	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$26,040	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	<b>\$27,990</b> \$15,880
Subtotal Expenses Costs																																	\$15,880
Subtotal Labor and Expense Costs																																	\$43,870
Task 12 - Survey/ROW  Range Point Perpetuation		-	1	-	+	1													8	40		40							-				0 88
Final ROW Plans		2																	80	140	140		26										388
Supplemental Survey	0	2		0	0		0	0	0	0	0	0	0		0	0	0	0	4 92	100	32	80	4 30	0	0	0	0	0	0		0	_	122
Subtotal Hours Subtotal Costs		\$780	\$0			\$0	\$0					<u>0</u> \$0	\$0 \$0		\$0	\$0 \$0	\$0 \$0			180 \$16,200	\$12,900	120 \$15,000	\$1,500			\$0	\$0	\$0	\$0 \$0		\$0	\$0 \$0	598 \$56,960
Task 13 - Business Improvement District (BID)/ General Improvement District (GID) Support																																	0
BID/GID Support  Subtotal Hours	40 40		0	0	0	0	0	0	0	0	0	0	0	0	40 40	0	0	0	0	0	0	0	0	0	40 40		80 <b>80</b>	0	0	0	0	0	280 280
Subtotal Hours Subtotal Costs	\$8,600			\$0		\$0					\$0			\$0	\$10,000	0 \$0		\$0	\$0		\$0	\$0		\$0		\$10,000	\$8,000		\$0	\$0	\$0		\$45,600
Task 14 - Integrated Contractor (IC) Coordination																																	0
IC Coordination Subtotal Hours	80 <b>80</b>	60 <b>60</b>	0	0	0	0	0	0	0	0	0	20 <b>20</b>	0	0	20 20	0	0	20 20	0	O.	0	0	0	0	40 <b>40</b>	40 40	0	40 40	0	0	0	0	320 320
Subtotal Costs		\$11,700	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$3,900	\$0	\$0	\$5,000	\$0	\$0	\$3,100	\$0	\$0	\$0	\$0	\$0	\$0	\$9,000	\$5,000	\$0	\$7,800	\$0	\$0	\$0	\$0	\$62,700
Task 15 - Additional Services																																	0
Subtotal Hours Subtotal Costs	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0 \$0	0 \$0	<u>0</u> \$0	\$0 \$0	\$0	\$0	\$0 \$0	\$0	0 \$0	0 \$0	\$0	0 \$0	\$0	0 \$0	0 \$0	<u> </u>	\$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	0 \$0	\$100,000
Total Hours =		724		543							226		430					577	105		172		36				912			256	320	6	9876
Total Cost=										\$9,000																							
Reimbursable Expenses																																	
Mileage and Parking =																																	\$5,000
Photocopying and Graphic Expenses =	-																																\$5,000 \$5,000
Postages and Deliveries = Subtotal Reimbursable Expenses																																	\$5,000
Total Project Cost=																																	\$1.535.405

Total Project Cost= \$1,535,405

Task #	Task	Cost
1	Project Management	\$100,520
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